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BUREAU OF FOREIGN AND DOMESTIC COMMERCE

STATISTICAL ABSTRACT

OF THE

UNITED STATES

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LETTER OF SUBMITTAL

DEPARTMENT OF COMMERCE,
 BUREAU OF FOREIGN AND DOMESTIC COMMERCE,
 Washington, October 7, 1929.

SIR: I have the honor to submit herewith for publication the fifty-first annual issue of the Statistical Abstract of the United States. As in previous years, this publication has been prepared in the Division of Statistical Research, of which E. Dana Durand is chief. It represents, however, a digest of data collected by all statistical agencies of the National Government, as well as those of a considerable number of private agencies and one or two States. Many of these offices and agencies have been of great assistance in furnishing advance data and also in the actual preparation of the tables used in the Abstract. Special mention in this connection is due the following offices of the Federal Government: The Bureau of the Census, the Bureau of Fisheries, and the Bureau of Mines of the Department of Commerce; the Bureau of Agricultural Economics and the Weather Bureau of the Department of Agriculture; the Bureau of Immigration and the Bureau of Labor Statistics of the Department of Labor; the Bureau of Education of the Department of the Interior; the Federal Board for Vocational Education; the Statistical Division of the Income Tax Unit and the Federal Farm Loan Bureau of the Treasury Department; the Veterans' Bureau; the Interstate Commerce Commission; the United States Shipping Board; and the Division of Analysis and Research of the Federal Reserve Board. Valuable aid has also been given by the Bureau of Railway Economics, Washington; the New York Produce Exchange; the Spectator Co., New York; Dun's Review, New York; and the Bureau of Canals, State of New York.

Comparative international tables showing statistics for the United States and foreign countries are published in Volume II of the Commerce Yearbook.

Respectfully,

O. P. HOPKINS,
Acting Director.

To Hon. R. P. LAMONT,
Secretary of Commerce.

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STATISTICAL ABSTRACT OF THE UNITED STATES

1.—AREA AND POPULATION

No. 1.—TERRITORIAL EXPANSION OF THE UNITED STATES

NOTE.—Gross areas, including land and water, but not water surface of oceans, Gulf of Mexico, and Great Lakes. Recent revisions in these figures are due to more accurate maps

Accession	Date	Gross area, square miles	Accession	Date	Gross area, square miles
Aggregate (1920).....		3,789,393	Outlying territories and possessions		
Continental United States.....		3,028,789	Alaska Territory.....	1867	711,604
Territory in 1790 ¹		892,135	Hawaii Territory.....	1898	6,406
Louisiana Purchase.....	1803	827,987	Philippine Islands.....	1899	114,400
Florida.....	1819	58,606	Port Rico (unincorporated territory).....	1899	3,435
By treaty with Spain.....	1819	13,435	Guam.....	1899	206
Texas.....	1845	389,166	American Samoa.....	1900	75
Oregon.....	1846	286,541	Panama Canal Zone.....	1904	549
Mexican Cession.....	1848	529,189	Virgin Islands of the U. S.....	1917	133
Gadsden Purchase.....	1853	29,670			

¹ Includes drainage basin of Red River of the North, not a part of any accession, but in the past some times considered a part of the Louisiana Purchase.

Source: Bureau of the Census, Department of Commerce.

No. 2.—DATES OF ORGANIZATION OF STATES AND TERRITORIES

State	Date of organization		State	Date of organization	
	Territory	State		Territory	State
ORIGINAL STATES, 1789			STATES WITH PREVIOUS TERRITORIAL ORGANIZATION—contd.		
New Hampshire.....			Illinois.....	1809	¹ 1818
Massachusetts.....			Alabama.....	1817	¹ 1819
Rhode Island.....			Missouri.....	1812	1821
Connecticut.....			Arkansas.....	1819	1835
New York.....			Michigan.....	1805	1837
New Jersey.....			Florida.....	1822	1845
Pennsylvania.....			Iowa.....	1838	1846
Delaware.....			Wisconsin.....	1836	1848
Maryland.....			California.....	⁶ 1847	1850
Virginia.....			Minnesota.....	1849	1858
North Carolina.....			Oregon.....	1848	1859
South Carolina.....			Kansas.....	1854	1861
Georgia.....			Nevada.....	1861	1864
STATES ADMITTED WITHOUT PREVIOUS TERRITORIAL ORGANIZATION ¹			Nebraska.....	1854	1867
Vermont.....	1791		Colorado.....	1861	1876
Kentucky.....	1792		North Dakota.....	⁶ 1861	1889
Maine.....	1820		South Dakota.....	⁶ 1861	1889
Texas.....	¹ 1845		Montana.....	1864	1889
West Virginia.....	1863		Washington.....	1853	1889
STATES WITH PREVIOUS TERRITORIAL ORGANIZATION			Idaho.....	1863	1890
Tennessee.....	³ 1790	1796	Wyoming.....	1895	1890
Ohio.....	⁴ 1787	1803	Utah.....	1850	1896
Louisiana.....	1804	1812	Oklahoma.....	1890	1907
Indiana.....	1800	² 1816	New Mexico.....	1850	1912
Mississippi.....	1798	² 1817	Arizona.....	1863	1912
			TERRITORIES, ETC.		
			District of Columbia.....	1790	⁷ 1791
			Alaska.....	1912	
			Hawaii.....	1900	

¹ Vermont and Texas had been independent republics; Maine had been under jurisdiction of Massachusetts; Kentucky and West Virginia were set off from Virginia.

² Joint resolution of Congress.

³ "Territory of the United States, south of the river Ohio," ceded from North Carolina, containing more territory than the present State of Tennessee.

⁴ "Territory northwest of the Ohio River," containing more territory than the present State of Ohio.

⁵ "Military territory," containing more territory than the present State of California.

⁶ Dakota Territory.

⁷ Federal area, under supervision of Congress.

Source: Bureau of the Census, Department of Commerce

No. 3.—AREA: GEOGRAPHIC DIVISIONS AND STATES, 1920

Division and State	Area (square miles)			Division and State	Area (square miles)		
	Land	Water	Total		Land	Water	Total
Continental United States	2,973,774	153,015	3,026,789	South Atlantic—Con. Dist. of Columbia	60	10	70
New England	61,976	4,448	66,424	Virginia	40,202	2,365	42,567
Maine	29,895	3,145	33,040	West Virginia	24,022	148	24,170
New Hampshire	9,031	310	9,341	North Carolina	48,740	3,686	52,426
Vermont	9,124	440	9,564	South Carolina	30,495	494	30,989
Massachusetts	8,039	227	8,266	Georgia	58,725	540	59,265
Rhode Island	1,027	181	1,208	Florida	54,861	3,805	58,666
Connecticut	4,820	145	4,965	East South Central	179,609	1,974	181,583
Middle Atlantic	100,000	2,554	102,554	Kentucky	40,181	417	40,598
New York	47,654	1,550	49,204	Tennessee	41,987	395	42,382
New Jersey	7,514	710	8,224	Alabama	51,279	719	51,998
Pennsylvania	44,832	294	45,126	Mississippi	46,302	503	46,805
East North Central	245,564	2,541	248,105	West South Central	429,746	8,048	437,794
Ohio	40,740	2,800	43,540	Arkansas	52,525	810	53,335
Indiana	36,045	2,809	38,854	Louisiana	45,409	3,097	48,506
Illinois	56,043	2,822	58,865	Oklahoma	69,414	643	70,057
Michigan	57,480	2,500	59,980	Texas	262,398	3,498	265,896
Wisconsin	55,250	2,810	58,060	Mountain	859,009	6,028	865,037
West North Central	510,804	7,575	518,379	Montana	146,131	866	147,007
Minnesota	80,858	2,824	83,682	Idaho	83,354	534	83,888
New York	65,283	581	65,864	Wyoming	97,548	366	97,914
Iowa	70,183	654	70,837	Colorado	103,058	290	103,348
Missouri	68,727	693	69,420	New Mexico	122,593	181	122,774
North Dakota	70,183	654	70,837	Arizona	113,810	146	113,956
South Dakota	76,868	747	77,615	Utah	82,184	2,806	84,990
Nebraska	76,808	712	77,520	Nevada	100,821	899	101,720
Kansas	81,774	384	82,158	Pacific	318,096	6,028	324,124
South Atlantic	289,071	13,839	302,910	Washington	66,336	2,291	68,627
Delaware	1,065	405	1,470	Oregon	95,607	1,092	96,699
Maryland	9,941	2,386	12,327	California	155,662	2,645	158,307

¹ Does not include the water surface of the oceans, the Gulf of Mexico, or the Great Lakes, the Strait of Juan de Fuca, and the Gulf of Georgia, lying within the jurisdiction of the United States.

² Exclusive of Great Lakes.

³ Exclusive of water area of the Strait of Juan de Fuca and the Gulf of Georgia.

Source: Bureau of the Census, Department of Commerce.

No. 4.—AREA AND POPULATION: CONTINENTAL UNITED STATES, 1790 TO 1920

NOTE.—The enumeration of 1870 was incomplete in the Southern States. The last column shows the estimated rate of increase corrected for 1870 and 1880

Census year	Area (square miles)			Population				
	Gross	Land	Water	Number	Per square mile ¹	Increase over preceding census		
						Number	Per cent	Corrected per cent, estimated
1790	892,135	867,980	24,155	3,929,214	4.5			
1800	892,135	867,980	24,155	5,308,483	6.1	1,379,269	35.1	
1810	1,720,122	1,685,865	34,257	7,239,881	4.3	1,931,398	39.4	
1820	1,702,223	1,753,588	38,633	9,688,483	5.5	2,448,602	33.1	
1830	1,702,223	1,753,588	38,633	12,860,020	7.3	3,227,537	33.5	
1840	1,702,223	1,753,588	38,633	17,009,488	9.7	4,207,468	32.7	
1850	2,607,110	2,644,397	52,712	23,191,876	7.9	6,122,423	35.9	
1860	3,026,789	2,973,065	53,724	31,448,321	10.6	8,251,445	35.6	
1870	3,026,789	2,973,065	53,724	38,558,371	13.0	7,115,060	22.6	26.6
1880	3,026,789	2,973,065	53,724	50,155,793	16.9	11,597,412	30.1	26.0
1890	3,026,789	2,973,065	53,724	62,947,714	21.2	12,791,921	25.5	
1900	3,026,789	2,973,065	53,724	75,994,375	25.6	13,046,861	20.7	
1910	3,026,789	2,973,065	53,724	91,972,266	30.9	15,977,691	21.0	
1920	3,026,789	2,973,774	53,015	105,710,020	35.5	13,738,364	14.9	
1928 ²	3,026,789	2,973,774	53,015	120,013,000	40.4	14,302,000	13.5	

¹ Based on land area.

² Population estimated as of July 1.

Source: Bureau of the Census, Department of Commerce.

No. 5.—POPULATION: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, 1910 AND 1920

NOTE.—These data represent actual enumerations, not estimates, as in Table 6. For several of the outlying possessions they relate to dates other than 1910 and 1920, as indicated by footnotes. The census of Continental United States was as of date Apr. 15 in 1910 and Jan. 1 in 1920

Area	Gross area (land and water) in square miles ¹	Population	
		1910	1920
United States, with outlying territories and possessions.....	3, 733, 393	101, 148, 530	117, 823, 185
Continental United States.....	3, 020, 789	91, 972, 206	105, 710, 020
Outlying territories and possessions.....	711, 604	9, 174, 284	12, 112, 545
Alaska Territory.....	586, 400	64, 356	55, 036
American Samoa.....	75	2, 261	8, 056
Guam.....	200	11, 806	13, 275
Hawaii Territory.....	6, 406	191, 909	255, 912
Panama Canal Zone.....	549	2, 62, 810	22, 858
Porto Rico (unincorporated territory).....	3, 455	1, 118, 012	1, 209, 809
Military and naval, etc., services abroad.....	-----	55, 008	117, 238
Philippine Islands.....	114, 400	3 7, 636, 426	4 10, 314, 310
Virgin Islands of the United States.....	183	27, 086	26, 051
Total Continental United States and incorporated territories (Alaska and Hawaii).....	3, 619, 595	92, 228, 531	106, 021, 568
Total Statistical Customs Area—Continental United States, Alaska, Hawaii, and Porto Rico.....	3, 623, 030	93, 346, 543	107, 321, 377

¹ See headnote Table 1.
² Population in 1912.

³ Population in 1903.
⁴ Population Dec. 31, 1918.

⁵ Population in 1911.
⁶ Population Nov. 1, 1917.

No. 6.—POPULATION: ANNUAL MIDYEAR ESTIMATES FOR CONTINENTAL UNITED STATES, AND CERTAIN OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Estimates for continental United States, prior to 1920, and for Hawaii, Porto Rico, and Philippine Islands, all years, are based on the assumption that the increase each year between two successive censuses is equal to the annual average increase between the two enumerations. Beginning 1920, estimates for continental United States are based on available data regarding births, deaths, immigration, and emigration. Estimates for 1920 have not been made pending the 1920 census. For estimated population by States see Table 11

Year	Continental United States	Year	Continental United States	Year	Continental United States	Hawaii	Porto Rico	Philippine Islands	Panama Canal Zone
1850.....	23, 200, 638	1877.....	40, 773, 203	1903.....	80, 983, 390	105, 636	1, 010, 724	7, 691, 824	-----
1852.....	24, 910, 926	1878.....	47, 632, 945	1904.....	82, 001, 384	169, 075	1, 026, 521	7, 891, 016	-----
1853.....	25, 736, 070	1879.....	49, 032, 687	1905.....	84, 219, 378	173, 514	1, 042, 318	8, 030, 208	-----
1854.....	26, 561, 214	1880.....	50, 202, 332	1906.....	85, 837, 372	177, 853	1, 058, 115	8, 190, 400	-----
1855.....	27, 386, 359	1881.....	51, 541, 575	1907.....	87, 455, 306	181, 192	1, 073, 912	8, 368, 582	-----
1856.....	28, 211, 504	1882.....	52, 820, 768	1908.....	89, 073, 300	185, 931	1, 089, 700	8, 537, 794	-----
1857.....	29, 039, 649	1883.....	54, 099, 961	1909.....	90, 691, 354	188, 870	1, 105, 506	8, 706, 977	-----
1858.....	29, 861, 794	1884.....	55, 379, 154	1910.....	92, 207, 080	193, 262	1, 121, 913	8, 876, 170	-----
1859.....	30, 686, 939	1885.....	56, 658, 347	1911.....	93, 682, 189	199, 874	1, 140, 938	9, 045, 393	-----
1860.....	31, 502, 013	1886.....	57, 937, 540	1912.....	95, 097, 298	206, 466	1, 159, 364	9, 214, 556	1 61, 270
1861.....	32, 214, 118	1887.....	59, 216, 733	1913.....	96, 512, 407	213, 058	1, 178, 090	9, 383, 749	2 57, 400
1862.....	32, 925, 923	1888.....	60, 495, 927	1914.....	97, 927, 516	219, 050	1, 196, 818	9, 552, 942	3 27, 706
1863.....	33, 637, 128	1889.....	61, 775, 121	1915.....	99, 342, 625	224, 243	1, 215, 642	9, 722, 135	4 29, 926
1864.....	34, 348, 633	1890.....	63, 056, 433	1916.....	100, 757, 735	229, 846	1, 234, 268	9, 891, 328	5 31, 943
1865.....	35, 060, 138	1891.....	64, 361, 124	1917.....	102, 172, 845	239, 429	1, 252, 994	10, 060, 521	6 23, 295
1866.....	35, 771, 643	1892.....	65, 065, 810	1918.....	103, 587, 955	246, 022	1, 271, 720	10, 229, 714	7 21, 707
1867.....	36, 483, 148	1893.....	65, 970, 496	1919.....	105, 003, 065	252, 615	1, 290, 446	10, 398, 906	8 21, 769
1868.....	37, 194, 653	1894.....	68, 275, 182	1920.....	106, 421, 021	259, 208	1, 309, 172	10, 568, 098	9 21, 860
1869.....	37, 906, 158	1895.....	69, 579, 868	1921.....	108, 444, 777	265, 800	1, 327, 897	10, 737, 290	10 23, 787
1870.....	38, 655, 016	1896.....	70, 884, 554	1922.....	109, 893, 093	272, 392	1, 346, 623	10, 906, 482	11 23, 671
1871.....	39, 814, 757	1897.....	72, 189, 240	1923.....	111, 693, 474	278, 984	1, 365, 349	11, 075, 674	12 23, 701
1872.....	40, 974, 498	1898.....	73, 493, 926	1924.....	113, 727, 432	285, 576	1, 384, 075	11, 244, 867	13 27, 143
1873.....	42, 134, 239	1899.....	74, 798, 612	1925.....	115, 378, 094	292, 168	1, 402, 801	11, 414, 060	14 27, 151
1874.....	43, 293, 980	1900.....	76, 129, 493	1926.....	117, 136, 000	299, 000	1, 422, 000	11, 583, 000	15 27, 662
1875.....	44, 453, 721	1901.....	77, 747, 462	1927.....	118, 628, 000	305, 400	1, 440, 300	11, 752, 400	16 27, 624
1876.....	45, 613, 462	1902.....	79, 365, 396	1928.....	120, 013, 000	311, 900	1, 459, 000	11, 921, 600	17 27, 624

¹ Enumeration by Canal Commission.

² Police census.

³ Police census, excluding persons in military and naval service.

Source of Tables 5 and 6: Bureau of the Census, Department of Commerce.

No. 7.—RACE, NATIVITY, AND PARENTAGE: CONTINENTAL UNITED STATES

NOTE.—The census of 1870 in the Southern States is considered incomplete; this affects especially the figures for the negro population

Class	1800	1870	1880	1890	1900	1910	1920
All classes.....	31,443,321	38,558,371	50,156,788	62,947,714	75,984,575	91,972,288	105,710,820
White.....	26,022,637	33,580,377	43,402,070	55,101,258	66,800,196	81,731,957	94,820,915
Negro.....	4,441,820	4,880,000	6,580,793	7,488,678	8,833,994	9,827,763	10,469,131
Indian.....	144,021	125,731	106,407	245,253	237,106	265,683	244,437
Chinese.....	34,933	63,100	105,465	107,488	80,863	71,531	61,639
Japanese.....		55	148	2,030	24,326	72,157	111,010
All other ¹						3,175	9,488
Native (all races).....	27,304,624	32,691,142	43,475,840	53,698,154	65,053,299	78,450,380	91,789,928
Foreign born.....	4,138,697	5,867,229	6,679,948	9,249,560	10,341,276	13,515,880	13,920,892
White population:							
Native, total.....	22,825,784	28,096,065	36,843,291	45,979,301	56,595,379	68,386,412	81,108,161
Native parentage.....		22,771,397	28,593,424	34,475,716	40,949,362	49,488,575	58,421,957
Foreign or mixed parentage.....		6,324,268	8,274,867	11,503,675	15,646,017	18,897,837	22,686,204
Foreign.....		4,107,098	6,368,769	8,085,019	10,932,280	12,916,811	15,694,539
Mixed native and foreign.....		1,157,170	1,911,098	3,418,656	4,713,737	5,981,026	6,991,665
Foreign born.....	4,096,758	5,493,712	6,569,679	9,121,807	10,213,817	13,345,546	13,712,754
Per cent of total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White.....	85.0	87.1	86.5	87.5	87.9	88.9	89.7
Negro.....	14.1	12.7	13.1	11.9	11.6	10.7	9.9
Indian.....	0.1	0.1	0.1	0.4	0.3	0.3	0.2
Chinese.....	0.1	0.2	0.2	0.2	0.1	0.1	0.1
Japanese.....		(²)	(²)	(²)	(²)	0.1	0.1
All other ³						(²)	(²)
Native (all races).....	86.8	85.0	86.7	85.3	86.4	85.3	86.8
Foreign born.....	13.2	14.4	13.3	14.7	13.6	14.7	13.2
White population:							
Native, total.....	72.6	72.9	73.5	73.0	74.5	74.4	76.7
Native parentage.....		58.1	67.0	54.8	53.9	53.8	55.3
Foreign or mixed parentage.....		13.8	16.5	18.3	20.6	20.5	21.5
Foreign.....		10.8	12.7	12.8	14.0	14.0	14.8
Mixed native and foreign.....		3.0	3.8	5.5	6.6	6.5	6.6
Foreign born.....	13.0	14.2	13.1	14.4	13.4	14.5	13.0
Increase over preceding census: ⁴							
All classes.....	8,251,445	7,116,050	11,697,412	12,466,487	13,046,891	15,977,691	13,738,354
Per cent.....	36.0	22.0	30.1	24.9	20.7	21.0	14.9
White.....	7,869,469	6,660,840	9,813,593	11,580,920	11,707,988	14,922,761	13,088,953
Per cent.....	37.7	24.8	29.2	26.7	21.2	22.3	10.0
Negro.....	803,022	498,179	1,700,784	880,247	1,345,318	903,769	635,368
Per cent.....	22.1	9.9	34.9	13.5	18.0	11.2	5.5
Indian.....	44,021	-18,200	40,670	-7,011	-11,057	28,487	-21,246
Per cent.....	-41.5		153.1	-6.4	-4.5	12.0	-8.0
Chinese.....	34,933	28,266	42,206	2,010	-17,625	-18,332	-9,892
Per cent.....	80.9		60.9	1.9	-16.4	-20.4	-13.8
Japanese.....		55	93	1,801	22,287	47,831	38,853
Per cent.....			(⁵)	1,277.7	1,093.0	196.6	53.8
All other ³						3,175	6,313
Per cent.....							198.8
Native (all races).....	6,357,350	5,686,518	10,484,008	9,896,863	11,955,145	12,803,081	13,333,548
Per cent.....	30.3	20.8	31.8	22.3	22.3	19.5	17.0
Foreign born.....	1,894,095	1,428,532	1,112,714	2,569,004	1,091,716	3,174,610	404,806
Per cent.....	84.4	34.5	20.0	38.5	11.8	30.7	3.0
White population:							
Native, total.....	5,513,251	5,269,881	8,747,026	9,018,732	10,615,988	11,791,033	12,721,749
Per cent.....	31.8	23.1	31.1	24.5	23.1	20.8	13.6
Native parentage.....			5,797,027	5,789,924	6,473,646	8,539,213	8,933,852
Per cent.....			23.5	20.3	18.8	20.9	18.1
Foreign or mixed parentage.....			2,950,509	3,228,808	4,142,342	3,251,820	3,788,357
Per cent.....			65.4	39.0	36.0	20.8	20.0
Foreign.....			2,106,671	1,721,250	2,547,261	2,284,031	2,778,228
Per cent.....			52.7	27.0	31.5	21.5	21.5
Mixed native and foreign.....			783,928	1,507,558	1,595,081	967,789	1,010,139
Per cent.....			65.2	78.9	46.7	19.3	16.9
Foreign born.....	1,850,218	1,306,050	1,005,907	2,562,188	1,091,950	3,131,728	367,209
Per cent.....	82.8	34.1	19.4	39.1	12.0	30.7	2.8

¹ Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1890.

² Comprises Filipinos, Hindus, Koreans, Hawaiians, Malays, Siamese, Samoans, and Maoris.

³ Less than one-tenth of 1 per cent.

⁴ A minus sign (-) denotes decrease.

⁵ Exclusive of 325,404 persons (117,368 whites, 13,636 Negroes, 159,447 Indians, and 13 Chinese), specially enumerated in 1890 in Indian Territory and on Indian reservations.

⁶ Per cent not shown where base is less than 100.

Source: Bureau of the Census, Department of Commerce.

No. 8.—SEX DISTRIBUTION, BY CLASSES: CONTINENTAL UNITED STATES

Class	1900		1910		1920		Males per 100 females		
	Males	Females	Males	Females	Males	Females	1900	1910	1920
All classes.....	38,816,446	37,178,127	47,332,277	44,632,939	53,900,431	51,810,189	104.4	106.0	104.0
White.....	34,201,735	32,607,461	42,178,245	39,553,712	48,430,655	46,390,260	104.9	106.0	104.4
Negro.....	4,386,647	4,447,447	4,885,831	4,941,832	5,209,436	5,253,695	98.6	98.9	99.2
Indian.....	119,484	117,712	135,133	130,560	126,068	119,369	101.5	103.5	104.8
Chinese.....	85,341	4,522	66,866	4,675	53,891	7,748	1,887.2	1,430.1	695.5
Japanese.....	23,341	985	63,070	9,087	72,707	38,303	2,369.6	694.1	189.8
All other.....			3,092	33	8,674	814		(^c)	1,065.6
White population:									
Native, total.....	28,686,450	27,908,929	34,654,467	33,731,955	40,902,333	40,205,828	102.8	102.7	101.7
Native parentage.....	20,849,847	20,009,515	25,229,218	24,250,367	29,636,781	28,785,176	103.7	104.0	103.0
Foreign or mixed parentage.....	7,836,603	7,899,414	9,425,239	9,472,598	11,265,552	11,420,652	100.3	99.5	98.6
Foreign.....	5,341,350	5,200,030	6,456,793	6,459,518	7,810,531	7,884,008	101.0	100.0	99.1
Mixed native and foreign.....	2,495,253	2,518,484	2,968,446	3,013,080	3,455,021	3,536,644	99.1	98.5	97.7
Foreign born.....	5,515,285	4,698,532	7,523,788	5,821,767	7,528,322	6,184,432	117.4	129.2	121.7
			1860	1870	1880	1890			
Total population:									
Males.....		16,085,204		19,493,565		25,518,820		32,237,101	
Females.....		15,368,117		19,064,800		24,636,963		30,710,613	
Males per 100 females.....		104.7		102.2		103.6		106.0	

¹ Ratio not shown, number of females being less than 100.

No. 9.—AGE DISTRIBUTION: BY CLASSES, 1920, WITH CERTAIN COMPARISONS FOR PREVIOUS CENSUSES, CONTINENTAL UNITED STATES

Age group	All classes									
	Number			Per cent						
	1900	1910	1920	1900	1910	1920				
Total.....	75,994,575	91,972,266	105,710,620	100.0	100.0	100.0				
Under 5.....	9,170,628	10,631,364	11,573,230	12.1	11.6	10.9				
5 to 14.....	16,954,367	18,867,772	18,867,772	22.3	20.5	20.8				
15 to 19.....	7,556,089	9,063,603	9,430,553	9.9	9.9	8.9				
20 to 44.....	28,632,443	35,865,869	40,555,543	37.7	39.0	38.4				
45 and over.....	13,480,474	17,375,613	21,963,380	17.7	18.9	20.8				
Age unknown.....	200,584	169,055	148,699	0.3	0.2	0.1				
Age group	Male		Female		Native white, native parentage		Native white, foreign or mixed parentage			
	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.		
Total (1920).....	53,900,431	100.0	51,810,189	100.0	58,421,957	100.0	22,688,204	100.0		
Under 5.....	5,857,461	10.9	5,715,769	11.0	7,306,530	12.6	2,962,407	13.1		
5 to 14.....	11,122,307	20.6	10,916,905	21.1	13,433,572	23.0	5,521,749	24.3		
15 to 19.....	4,673,792	8.7	4,756,704	9.2	5,599,046	9.6	2,187,107	9.6		
20 to 44.....	20,555,965	38.1	19,999,578	38.6	20,952,732	35.9	8,235,855	36.3		
45 and over.....	11,598,031	21.5	10,365,349	20.0	10,977,908	18.8	3,767,796	16.6		
Age unknown.....	92,875	0.2	55,824	0.1	92,169	0.2	11,230	(²)		
Age group	Foreign-born white		Negroes		Indian		Chinese		Japanese	
	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.
Total (1920).....	13,712,764	100.0	10,463,131	100.0	244,437	100.0	61,639	100.0	111,010	100.0
Under 5.....	44,984	0.3	1,143,699	10.9	33,346	13.6	2,898	4.7	10,020	17.1
5 to 14.....	501,246	3.7	2,503,121	23.9	64,330	26.3	4,516	7.3	10,312	9.3
15 to 19.....	527,942	3.9	1,083,215	10.4	25,417	10.4	2,760	4.5	4,342	3.9
20 to 44.....	7,198,586	52.5	3,996,083	38.2	75,345	30.8	25,470	41.3	64,315	57.9
45 and over.....	5,419,732	39.5	1,713,510	16.4	45,199	18.5	25,735	41.8	12,600	11.4
Age unknown.....	20,264	0.1	23,503	0.2	791	0.3	260	0.4	412	0.4

¹ All classes for 1920 includes other nonwhite (9,488) not shown separately.

² Less than one-tenth of 1 per cent.

Source of Tables 8 and 9: Bureau of the Census, Department of Commerce.

No. 10.—POPULATION OF ALASKA, HAWAII, PORTO RICO, AND PHILIPPINE ISLANDS: BY SEX, RACE, NATIVITY, AND AGE

	1900	1910	1920		1899	1910	1920
ALASKA				PORTO RICO			
Total.....	69,592	84,858	55,036	Total.....	958,243	1,118,012	1,299,809
Male.....	45,372	45,857	34,630	Male.....	472,261	557,301	647,925
Female.....	17,720	18,499	20,407	Female.....	480,982	560,711	651,984
White.....	30,493	36,400	27,883	White.....	680,426	732,555	948,709
Indian.....	29,536	25,331	26,558	Black.....	50,390	50,245	49,246
Chinese.....	3,116	1,209	56	Mulatto.....	304,352	335,192	301,816
Japanese.....	270	913	312	Other.....	75	20	38
Negro.....	168	209	128	Native.....	939,376	1,106,246	1,291,642
All other.....		294	99	Foreign born ¹	13,867	11,766	8,167
Native.....	50,931	43,921	42,765	Under 5 years.....	150,403	185,189	200,256
Foreign born.....	12,661	20,436	12,270	Under 1 year.....	26,309	39,800	43,184
Under 5 years.....	3,634	5,363	5,060	5 to 9 years.....	143,546	151,223	195,131
Under 1 year.....	647	1,108	1,152	10 to 14 years.....	124,353	143,751	168,054
5 to 9 years.....	3,977	4,256	3,909	15 to 19 years.....	93,148	113,789	126,248
10 to 14 years.....	3,210	2,876	4,292	20 to 44 years.....	328,859	386,775	441,125
15 to 19 years.....	3,154	3,534	3,270	45 years and over.....	112,827	134,231	108,696
20 to 44 years.....	25,335	35,070	22,076	Age unknown.....	107	54	297
45 years and over.....	7,371	11,955	13,224	PHILIPPINE ISLANDS²			
Age unknown.....	19,911	622	297	Total.....	6,708,311	7,685,428	10,314,310
HAWAII				Male.....			
Total.....	154,001	191,909	255,912	Female.....			
Male.....	106,360	123,090	161,146	3,496,652			
Female.....	47,632	68,810	104,766	3,401,034			
White.....	28,810	44,048	54,742	Brown.....			
Negro.....	233	695	343	0,914,880			
Chinese.....	25,787	21,074	23,507	Yellow.....			
Japanese.....	61,111	79,675	109,274	42,097			
Philippine.....		2,361	21,031	Half-breed.....			
Korean.....		4,533	4,950	15,419			
Hawaiian.....	29,799	26,041	23,723	White.....			
Part-Hawaiian.....	7,857	12,506	18,027	14,271			
Other races.....	415	370	310	Negro.....			
Native.....	63,221	98,157	168,071	1,019			
Foreign born.....	90,780	93,752	87,241	Philippine Islands ³			
Under 5 years.....	16,034	24,065	38,550	6,931,548			
Under 1 year.....	3,431	5,515	8,679	Foreign ³			
5 to 9 years.....	11,149	19,055	30,195	66,138			
10 to 14 years.....	8,433	13,537	22,060	Under 5 years ⁴			
15 to 19 years.....	10,844	13,050	20,045	1,054,096			
20 to 44 years.....	91,200	95,721	103,416	Under 1 year.....			
45 years and over.....	16,633	25,825	40,933	167,905			
Age unknown.....	563	56	113	5 to 9 years ⁴			
				990,064			
				10 to 14 years.....			
				751,243			
				15 to 19 years ⁴			
				696,180			
				20 to 44 years ⁴			
				2,464,811			
				45 years and over ⁴			
				1,061,292			
				1,800,788			
				254,488			
				1,100,390			
				1,062,447			
				1,191,933			
				2,983,945			
				1,212,825			

¹ In the figures for 1899 persons born in the United States are included among the foreign born.

² Figures in the 1910 and 1920 columns are for 1903 and 1918, respectively. All data except for total population relate to Christians only in 1903 and to Christians and non-Christians in only the regularly organized provinces in 1918. Distribution by sex, race, etc., in 1899 is not available.

³ Birthplace.

⁴ Figures in 1920 are for the population under 6 years, 6 to 9 years, 15 to 20 years, 21 to 45 years, 46 years and over, respectively.

Sources: Alaska, Hawaii, and Porto Rico from the Bureau of Census, Department of Commerce; Philippine Islands from the Census of the Philippine Islands.

No. 11.—POPULATION: ANNUAL MIDYEAR ESTIMATES BY STATES

NOTE.—The total population of the United States is estimated upon the basis of the available birth, death, immigration, and emigration figures. The annual increase in the United States population is distributed to the various States according to the per cent which each State increase was of the United States increase between 1910 and 1920, except that in the case of those States which took a census in 1925 the State census figures are used. If a State showed a decrease in population between 1910 and 1920 or 1920 and 1925, the 1920 or 1925 census figure was used and no estimate made. Pending the 1930 census, estimates for 1920 have not been made

[All figures in thousands]

Division and State	1920	1922	1923	1924	1925	1926	1927	1928
United States (Cont'l).....	108,422	109,890	111,602	113,727	115,878	117,196	118,628	120,013
New England	7,450	7,668	7,777	7,894	7,998	8,092	8,182	8,276
Maine.....	769	776	770	783	787	790	793	795
New Hampshire.....	444	447	449	450	452	454	455	456
Vermont.....	1,852	1,852	1,852	1,852	1,852	1,852	1,852	1,852
Massachusetts.....	3,880	3,901	4,047	4,103	4,144	4,197	4,242	4,290
Rhode Island.....	611	640	654	668	679	693	704	716
Connecticut.....	1,894	1,462	1,407	1,538	1,572	1,606	1,636	1,667
Middle Atlantic	22,417	23,181	23,496	23,897	24,238	24,597	24,902	25,225
New York.....	10,457	10,744	10,887	11,031	11,162	11,303	11,423	11,550
New Jersey.....	3,187	3,345	3,427	3,522	3,600	3,660	3,740	3,821
Pennsylvania.....	8,773	9,042	9,182	9,344	9,476	9,614	9,730	9,854
East North Central	21,687	22,459	22,889	23,396	23,789	24,208	24,584	24,942
Ohio.....	6,809	6,062	6,194	6,347	6,471	6,600	6,710	6,826
Indiana.....	2,942	3,000	3,031	3,060	3,095	3,124	3,150	3,176
Illinois.....	6,628	6,744	6,866	6,987	7,098	7,203	7,296	7,390
Michigan.....	3,711	3,930	4,045	4,177	4,284	4,390	4,490	4,591
Wisconsin.....	2,647	2,723	2,793	2,869	2,846	2,885	2,918	2,963
West North Central	12,581	12,760	12,842	12,941	13,021	13,108	13,182	13,261
Minnesota.....	2,403	2,482	2,524	2,572	2,611	2,651	2,686	2,722
Iowa.....	2,406	2,412	2,415	2,418	2,420	2,422	2,425	2,428
Missouri.....	3,410	3,438	3,453	3,470	3,484	3,498	3,510	3,523
North Dakota.....	646	644	643	642	641	641	641	641
South Dakota.....	641	658	666	674	681	689	696	704
Nebraska.....	1,802	1,328	1,342	1,358	1,371	1,385	1,396	1,408
Kansas.....	1,773	1,790	1,790	1,807	1,813	1,821	1,828	1,835
South Atlantic	14,098	14,616	14,884	15,186	15,418	15,678	15,898	16,127
Delaware.....	224	229	232	235	238	240	243	244
Maryland.....	1,457	1,497	1,517	1,541	1,560	1,580	1,597	1,616
District of Columbia.....	443	450	484	501	514	528	540	552
Virginia.....	2,322	2,385	2,418	2,456	2,486	2,519	2,549	2,576
West Virginia.....	1,476	1,538	1,570	1,607	1,638	1,669	1,696	1,724
North Carolina.....	2,577	2,667	2,714	2,768	2,812	2,858	2,897	2,938
South Carolina.....	1,692	1,735	1,767	1,788	1,804	1,826	1,845	1,864
Georgia.....	2,010	2,083	3,022	3,066	3,102	3,139	3,171	3,203
Florida.....	997	1,112	1,170	1,228	1,264	1,317	1,363	1,407
East South Central	8,919	9,043	9,108	9,184	9,240	9,309	9,363	9,419
Kentucky.....	2,423	2,455	2,472	2,492	2,508	2,524	2,538	2,553
Tennessee.....	2,346	2,385	2,405	2,429	2,448	2,468	2,485	2,502
Alabama.....	2,359	2,412	2,440	2,472	2,490	2,526	2,549	2,573
Mississippi.....	1,179	1,179	1,179	1,179	1,179	1,179	1,179	1,179
West South Central	10,316	10,687	10,882	11,105	11,287	11,479	11,638	11,807
Arkansas.....	1,761	1,807	1,831	1,858	1,880	1,905	1,923	1,944
Louisiana.....	1,806	1,842	1,861	1,882	1,900	1,919	1,934	1,950
Oklahoma.....	2,047	2,141	2,191	2,248	2,294	2,342	2,384	2,425
Texas.....	4,702	4,897	4,999	5,117	5,213	5,313	5,397	5,487
Mountain	3,371	3,551	3,646	3,754	3,842	3,936	4,013	3,910
Montana.....	557	601	624	651	672	695	714	739
Idaho.....	437	404	479	495	508	522	534	546
Wyoming.....	197	209	216	223	229	236	241	247
Colorado.....	947	983	1,001	1,023	1,040	1,059	1,074	1,090
New Mexico.....	362	370	375	380	384	388	392	396
Arizona.....	341	374	391	411	428	445	459	474
Utah.....	453	473	483	494	504	514	522	531
Nevada.....	177	177	177	177	177	177	177	177
Pacific	5,655	5,866	6,170	6,392	6,568	6,731	6,885	7,045
Washington.....	1,367	1,422	1,451	1,484	1,510	1,538	1,562	1,587
Oregon.....	789	817	832	849	863	877	890	902
California.....	3,479	3,747	3,887	4,049	4,189	4,316	4,433	4,556

¹ Population Jan. 1, 1920.

² Population State Census, 1925.

Source: Bureau of the Census, Department of Commerce.

No. 12.—POPULATION BY STATES

NOTE.—The census of 1870 in the

Division and State	Population							
	1790	1800	1810	1820	1830	1840	1850	1860
United States (Cont'l).....	3,929,214	5,308,493	7,299,881	9,689,453	12,869,020	17,069,463	23,181,876	31,448,321
New England.....	1,069,404	1,839,011	1,471,973	1,690,071	1,964,717	2,384,822	2,728,116	3,185,288
Maine.....	96,540	151,719	228,706	296,336	309,456	501,793	563,160	628,279
New Hampshire.....	141,888	183,868	214,460	244,161	290,328	284,674	317,970	320,073
Vermont.....	85,426	154,465	217,895	235,961	280,662	291,948	314,120	315,098
Massachusetts.....	378,787	422,845	472,040	523,287	610,408	737,699	994,514	1,231,069
Rhode Island.....	68,826	69,122	76,931	83,050	97,100	108,830	147,545	174,620
Connecticut.....	237,946	251,002	261,942	275,248	297,076	309,078	370,792	480,147
Middle Atlantic.....	668,632	1,402,585	2,614,702	2,689,845	3,697,094	4,526,280	5,898,736	7,453,955
New York.....	340,120	680,051	950,049	1,372,812	1,918,608	2,428,921	3,037,394	3,830,735
New Jersey.....	184,139	211,149	245,602	277,575	320,823	373,306	480,555	672,035
Pennsylvania.....	434,373	602,365	310,091	1,046,458	1,348,238	1,724,053	2,311,780	2,906,215
East North Central.....		51,006	372,324	792,719	1,470,018	3,024,728	4,532,380	6,936,584
Ohio.....		45,365	230,760	681,434	937,903	1,519,407	1,980,329	2,339,511
Indiana.....		5,641	28,520	147,178	343,031	655,866	988,416	1,350,429
Illinois.....			12,282	56,211	137,445	470,183	851,470	1,711,981
Michigan.....			4,762	3,896	31,639	212,267	397,654	749,119
Wisconsin.....						30,945	305,391	775,881
West North Central.....			53,763	66,586	140,455	420,814	860,335	2,169,832
Minnesota.....							6,077	172,023
Iowa.....						43,112	192,214	674,913
Missouri.....			19,783	66,536	140,455	383,792	682,044	1,182,012
North Dakota.....								(¹)
South Dakota.....								4,837
Nebraska.....								28,841
Kansas.....								107,206
South Atlantic.....	1,651,806	2,286,494	2,674,891	3,061,063	3,645,762	3,925,299	4,679,090	5,384,703
Delaware.....	59,096	64,273	72,674	72,749	76,748	78,085	81,533	112,216
Maryland.....	319,728	341,548	360,543	407,350	447,040	476,019	583,934	697,049
District of Columbia.....		14,098	24,023	39,039	30,824	43,712	51,987	75,080
Virginia.....	747,610	880,200	974,009	1,068,363	1,211,406	1,239,797	1,421,961	1,606,318
West Virginia.....								
North Carolina.....	393,751	478,163	555,500	638,823	737,957	758,410	869,639	962,622
South Carolina.....	249,073	345,591	415,115	502,741	581,185	594,398	683,507	703,708
Georgia.....	82,548	162,636	252,433	340,989	516,823	601,392	666,185	697,289
Florida.....					34,730	54,477	87,445	140,424
East South Central.....	109,389	335,487	708,690	1,199,489	1,815,909	2,575,445	3,393,271	4,020,991
Kentucky.....	73,677	220,955	400,611	664,317	937,917	779,828	982,403	1,155,684
Tennessee.....	35,691	106,602	261,727	422,323	681,904	829,210	1,002,717	1,109,891
Alabama.....				127,901	309,227	690,750	771,923	964,201
Mississippi.....		8,869	40,352	75,448	136,621	376,651	606,626	791,305
West South Central.....			77,618	187,680	246,127	449,685	940,251	1,747,697
Arkansas.....			1,032	14,373	30,388	67,574	209,897	435,450
Louisiana.....			76,556	163,407	215,739	352,411	517,792	708,002
Oklahoma.....								
Texas.....							212,592	604,215
Mountain.....							72,927	174,033
Montana.....								
Idaho.....								
Wyoming.....								
Colorado.....								84,277
New Mexico.....							61,547	93,516
Arizona.....								
Utah.....							11,380	40,273
Nevada.....								6,867
Pacific.....							105,891	444,053
Washington.....								11,604
Oregon.....							13,294	52,465
California.....							82,597	379,984

¹ A minus sign (-) denotes decrease.² Includes population (325,404) of Indian Territory and Indian reservations, specially enumerated in 1890, but not included in the general report on population for 1890.³ Includes persons (3,318 in 1830 and 6,100 in 1840) on public ships in the service of the United States not credited to any division or State.

Source: Bureau of the Census, Department of Commerce.

AT EACH CENSUS, 1790 TO 1920

Southern States is considered incomplete

Population—Continued						Per cent increase ¹		Rank in population		Division and State
1870	1880	1890 ²	1900	1910	1920	1900-1910	1910-1920	1910	1920	
39,558,371	50,155,788	62,947,714	76,904,676	91,972,268	105,710,620	21.0	14.9	-----	-----	U. S.
3,487,924	4,010,829	4,700,749	5,592,017	6,552,681	7,400,909	17.2	12.9	VII	VII	N. E.
626,915	648,936	901,086	894,466	742,371	708,014	6.9	3.5	34	35	N. H.
318,300	346,901	376,630	471,589	430,572	448,083	4.6	2.9	39	41	Me.
430,561	332,286	532,422	348,641	355,966	352,428	3.6	-1.0	42	45	Vt.
1,477,861	1,788,085	2,288,947	2,895,346	3,806,416	3,852,356	20.0	14.4	6	6	Mass.
217,363	270,531	345,606	428,556	542,610	604,807	26.6	11.4	38	38	R. I.
537,454	622,700	746,258	2,068,420	1,114,760	1,380,681	22.7	23.9	31	29	Conn.
8,810,806	10,486,878	12,706,220	15,454,678	18,815,892	22,261,144	25.0	15.2	I	I	M. A.
4,382,759	5,082,871	6,003,174	7,268,894	9,113,614	10,385,227	25.4	14.0	1	1	N. Y.
906,096	1,131,110	1,444,933	1,833,609	2,537,167	3,156,900	34.7	24.4	11	10	N. J.
3,521,951	4,282,691	5,258,113	6,302,115	7,665,111	8,720,017	21.6	13.8	2	2	Pa.
9,124,517	11,208,868	13,478,805	15,985,581	18,250,621	21,475,548	14.2	17.7	II	II	E. N. C.
2,605,290	3,198,062	3,672,829	4,157,545	4,707,121	5,759,394	14.7	20.8	4	4	Ohio.
1,680,637	1,978,301	2,192,404	2,516,462	2,700,876	2,930,390	7.3	8.5	9	11	Ind.
2,539,801	3,077,871	3,820,852	4,821,550	5,638,591	6,486,280	16.9	15.0	8	8	Ill.
1,184,050	1,636,937	2,093,890	2,420,982	2,810,173	3,068,412	16.1	30.5	8	7	Mich.
1,064,670	1,315,497	1,698,830	2,068,042	2,333,860	2,632,007	12.8	12.8	13	13	Wis.
3,856,504	6,157,443	8,932,112	10,347,423	11,637,921	12,544,249	12.5	7.8	IV	IV	W. N. C.
439,706	780,773	1,310,293	1,751,394	2,075,708	2,387,125	18.5	15.0	19	17	Minn.
1,194,020	1,624,615	1,912,207	2,311,563	2,224,771	2,404,021	-1.3	8.1	15	16	Iowa.
1,721,295	2,168,380	2,679,185	3,106,065	3,293,385	3,404,055	6.0	3.4	7	9	Mo.
^a 2,405	^b 36,908	100,083	319,140	577,056	646,872	80.8	12.1	37	36	N. Dak.
^c 11,776	^d 98,268	348,600	401,670	583,888	636,547	45.4	9.0	36	37	S. Dak.
122,993	452,420	1,062,656	1,065,300	1,192,214	1,296,372	11.8	8.7	29	31	Nebr.
364,399	996,096	1,428,108	1,470,495	1,600,040	1,769,257	15.0	4.6	22	24	Kans.
5,858,610	7,597,197	8,867,922	10,443,480	12,194,896	13,990,272	16.8	14.7	III	III	Del.
125,015	146,608	168,493	184,735	202,322	223,009	9.5	10.2	47	47	S. A.
780,894	934,948	1,042,890	1,188,044	1,295,340	1,449,661	9.0	11.9	27	28	Md.
131,700	177,624	230,382	278,718	331,069	437,571	18.8	32.2	43	42	D. C.
1,256,108	1,612,665	1,656,980	1,864,184	2,061,612	2,309,187	11.2	12.0	20	20	Va.
442,014	618,457	702,704	968,800	1,221,119	1,493,701	27.4	19.9	28	27	W. Va.
1,071,311	1,399,750	1,617,949	1,893,810	2,206,287	2,559,128	16.6	16.0	16	14	N. C.
705,606	905,677	1,151,149	1,440,816	1,515,400	1,683,724	13.1	11.1	26	26	S. C.
1,184,109	1,642,180	1,837,353	2,216,331	2,609,121	2,895,832	17.7	11.0	10	12	Ga.
187,748	260,493	391,422	528,542	752,619	908,578	42.4	28.7	31	32	Fla.
4,404,446	5,585,151	6,429,154	7,547,767	8,409,801	8,998,307	11.4	5.7	VI	VI	E. S. C.
1,321,011	1,648,090	1,868,635	2,147,174	2,289,909	2,416,680	6.6	5.5	14	15	Ky.
1,268,520	1,642,359	1,767,618	2,020,610	2,184,789	2,337,885	8.1	7.0	17	19	Tenn.
996,962	1,202,505	1,613,401	1,828,697	2,138,093	2,348,174	16.9	9.8	18	18	Ala.
827,922	1,131,597	1,280,600	1,551,270	1,797,114	1,790,618	15.8	-4.2	21	23	Miss.
2,029,985	3,334,320	4,740,983	6,532,200	8,784,534	10,242,224	34.5	16.9	V	V	W. S. C.
484,471	802,525	1,128,211	1,311,504	1,574,449	1,752,204	20.0	11.3	25	25	Ark.
725,915	939,946	1,118,938	1,381,625	1,650,388	1,798,509	19.9	8.6	24	22	La.
818,579	1,591,749	2,258,657	3,048,710	3,896,542	4,603,228	109.7	22.4	23	21	Okla.
		2,235,627	3,048,710	3,896,542			19.7	5	5	Tex.
315,385	658,119	1,218,935	1,674,687	2,083,517	3,396,101	57.3	26.7	IX	IX	Mont.
20,955	39,159	142,924	243,329	376,053	548,880	54.5	46.0	40	39	Idaho.
14,990	32,610	68,648	161,772	325,694	431,806	101.3	32.6	45	43	Wyo.
9,118	20,789	62,656	92,531	145,955	194,402	57.7	33.2	48	48	Colo.
39,864	194,427	413,249	539,709	799,024	939,629	48.0	17.6	32	35	N. Mex.
91,874	119,565	160,282	195,310	327,301	380,350	67.6	10.1	44	44	Ariz.
9,658	40,440	88,243	122,931	204,354	334,162	66.2	63.5	46	46	N. Mex.
36,786	143,963	210,779	270,749	373,351	449,396	34.9	20.4	41	40	Utah.
42,491	62,206	47,855	42,335	81,875	77,407	93.4	-5.5	49	49	NeV.
675,135	1,114,678	1,898,834	2,418,692	4,192,304	5,568,871	73.5	32.8	VIII	VIII	Pac.
23,955	75,116	357,232	518,103	1,141,990	1,356,621	120.4	18.8	30	30	Wash.
90,928	174,768	317,704	419,596	672,765	793,389	62.7	16.4	36	34	Orag.
560,247	864,894	1,219,808	1,958,053	3,377,549	3,426,801	60.1	44.1	12	6	Calif.

¹ Population of area taken to form State of Missouri in 1821; part of Louisiana Territory in 1810.
² Population shown for South Dakota in 1890 represents entire Dakota Territory; for 1870 and 1880, population parts as since existing have been segregated.
³ Area now constituting West Virginia formed part of Virginia prior to 1870.
⁴ Population of area taken to form Arkansas Territory in 1819; part of Louisiana Territory in 1810.
⁵ Includes population of Indian Territory, as follows: 1890, 150,182; 1900, 392,060.

No. 13.—DENSITY OF POPULATION PER SQUARE MILE, BY STATES

NOTE.—The population of continental United States has been divided by the total land area, although it included at each census some unorganized territory which was not canvassed by the enumerators. For each State or Territory the population as returned at a given census has been divided by the land area as constituted at the time that census was taken. The areas of Indian reservations, outside of Indian Territory, are included in the areas of the several States and Territories, although the population was not ascertained and can not be considered in figuring density of population prior to 1890. The census of 1870 in the Southern States is considered incomplete. Population density in 1920 of Alaska, Hawaii, and Porto Rico, and of December 31, 1913, Philippine Islands, based on gross area, and not land area, was as follows: Alaska, 0.1; Hawaii, 39.7; Porto Rico, 373.4; Philippine Islands, 00.0.

Division and State	1800	1850	1860	1870	1880	1890	1900	1910	1920
Continental States	6.1	7.9	10.6	13.0	16.9	21.2	25.6	30.9	35.5
United States									
New England	19.9	44.0	50.6	56.3	64.7	75.8	90.2	105.7	119.4
Maine	5.1	19.5	21.0	21.0	21.7	22.1	23.2	24.8	25.7
New Hampshire	20.4	35.2	36.1	35.2	38.4	41.7	45.6	47.7	49.1
Vermont	16.9	34.4	34.5	36.2	36.4	36.4	37.7	39.0	38.6
Massachusetts	52.6	123.7	153.1	181.3	221.8	278.5	349.0	418.8	479.2
Rhode Island	64.8	138.3	163.7	203.7	259.2	323.8	401.6	508.5	566.4
Connecticut	52.1	76.9	95.5	111.5	129.2	154.8	188.5	231.3	286.4
Middle Atlantic	14.0	59.0	74.6	98.1	105.0	127.1	154.5	193.2	222.6
New York	12.4	65.0	81.4	92.0	106.7	129.0	152.5	191.2	217.9
New Jersey	28.1	65.2	89.4	120.6	150.5	192.3	250.7	337.7	420.0
Pennsylvania	13.4	51.6	64.8	78.6	95.5	117.3	140.6	171.0	194.5
East North Central	0.2	18.4	28.2	37.2	45.7	54.9	65.2	74.3	87.5
Ohio	1.1	48.6	57.4	65.4	78.5	90.1	102.1	117.0	141.4
Indiana	(¹)	27.5	37.6	46.8	55.1	61.1	70.1	74.9	81.3
Illinois		15.2	30.6	45.4	55.0	68.3	86.1	100.6	116.7
Michigan		6.9	13.0	20.6	28.5	36.4	42.1	48.9	63.8
Wisconsin		5.5	14.0	19.1	23.8	30.6	37.4	42.2	47.6
West North Central		3.1	3.0	7.6	12.1	17.5	20.3	22.8	24.6
Minnesota		(¹)	2.1	5.4	9.7	16.2	21.7	25.7	29.5
Iowa		3.5	12.1	21.5	29.2	34.4	40.2	40.0	43.2
Missouri		9.9	17.2	25.0	31.6	39.0	45.2	47.9	49.5
North Dakota		(²)	(²)	(²)	(²)	2.7	4.5	8.2	9.2
South Dakota		(²)	(²)	(²)	(²)	4.5	5.2	7.6	8.3
Nebraska			0.2	1.6	5.9	13.8	13.9	15.5	16.9
Kansas			1.3	4.5	12.2	17.5	18.0	20.7	21.6
South Atlantic	8.6	17.4	19.9	21.8	28.2	32.9	38.8	45.3	52.0
Delaware	32.7	46.6	57.1	63.6	74.6	85.7	94.0	103.0	113.5
Maryland	34.4	58.0	69.1	78.6	94.0	104.9	119.5	130.3	145.8
District of Columbia	156.6	891.2	1,204.5	2,270.7	3,062.5	3,972.3	4,645.3	5,517.8	7,292.9
Virginia	13.7	22.1	24.8	30.4	37.6	41.1	46.1	51.2	57.4
West Virginia				18.4	25.7	31.8	39.9	50.8	60.9
North Carolina	9.8	17.8	20.4	22.0	28.7	33.2	38.9	45.3	52.5
South Carolina	11.3	21.9	23.1	23.1	32.6	37.7	44.0	49.7	55.2
Georgia	1.5	15.4	18.0	20.2	26.3	31.3	37.7	44.4	49.2
Florida		1.6	2.6	3.4	4.9	7.1	9.6	13.7	17.7
East South Central	2.9	18.7	22.4	24.5	31.1	35.8	42.0	46.8	49.5
Kentucky	5.5	24.4	28.8	32.0	41.0	46.3	53.4	57.0	60.1
Tennessee	2.5	24.1	26.6	30.2	37.0	42.4	48.5	52.4	56.1
Alabama		15.0	18.8	19.4	24.6	29.5	35.7	41.7	45.8
Mississippi	0.3	13.1	17.1	17.0	24.4	27.8	33.5	38.8	38.6
West South Central		2.6	4.9	5.6	9.3	11.0	15.2	20.4	23.8
Arkansas		4.0	8.3	9.2	15.3	21.5	25.0	30.0	33.4
Louisiana		11.4	15.6	16.0	20.7	24.6	30.4	36.5	39.6
Oklahoma						³ 2.0	³ 10.3	23.9	29.2
Texas		0.8	2.3	3.1	6.1	8.5	11.6	14.8	17.8
Mountain		0.2	0.3	0.4	0.8	1.4	1.9	3.1	3.9
Montana				0.1	0.3	1.0	1.7	2.6	3.8
Idaho				0.2	0.4	1.1	1.9	3.9	5.2
Wyoming				0.1	0.2	0.6	0.9	1.5	2.0
Colorado			0.3	0.4	1.9	4.0	5.2	7.7	9.1
New Mexico		0.3	0.4	0.7	1.0	1.3	1.6	2.7	3.7
Arizona				0.1	0.4	0.8	1.1	1.8	2.9
Utah		(⁴)	0.3	1.1	1.8	2.6	3.4	4.5	5.5
Nevada			0.1	0.4	0.6	0.4	0.4	0.7	0.7
Pacific		0.2	1.0	2.1	3.5	5.9	7.6	13.2	17.5
Washington			0.1	0.4	1.1	5.3	7.8	17.1	20.3
Oregon		(⁵)	0.5	1.0	1.8	3.3	4.3	7.0	8.2
California		0.6	2.4	3.6	5.5	7.8	9.5	15.3	22.0

¹ Less than one-tenth of 1 per cent.

² Dakota Territory: Less than one-tenth of 1 per cent in 1860, 0.1 in 1870, and 0.9 in 1880.

³ Indian Territory: 5.9 in 1890 and 12.7 in 1900; combined with Oklahoma, 3.7 in 1890 and 11.4 in 1900.

Source: Bureau of the Census, Department of Commerce.

No. 14.—AGE DISTRIBUTION OF POPULATION, BY STATES, 1920

Division and State	Age groups—						Age un- known
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 years and over	
Continental United States.....	11, 673, 230	11, 306, 075	10, 641, 137	9, 430, 656	40, 555, 543	21, 963, 380	148, 689
New England.....	753, 890	701, 890	660, 732	589, 138	2, 870, 855	1, 819, 363	6, 901
Maine.....	75, 140	71, 641	69, 991	63, 860	270, 873	215, 614	895
New Hampshire.....	41, 891	39, 762	38, 791	35, 152	160, 601	126, 504	702
Vermont.....	34, 644	33, 412	32, 585	29, 608	121, 389	100, 614	376
Massachusetts.....	385, 761	369, 826	333, 538	302, 131	1, 638, 710	920, 252	3, 132
Rhode Island.....	62, 356	58, 253	53, 836	51, 655	237, 065	140, 930	203
Connecticut.....	153, 838	138, 906	121, 991	106, 832	551, 211	306, 350	1, 413
Middle Atlantic.....	2, 354, 451	2, 240, 380	2, 045, 395	1, 815, 697	8, 949, 275	4, 333, 938	22, 149
New York.....	1, 010, 290	972, 151	902, 418	817, 690	4, 327, 292	2, 343, 412	11, 965
New Jersey.....	338, 695	322, 958	291, 236	255, 161	1, 279, 766	665, 522	2, 561
Pennsylvania.....	1, 005, 466	945, 280	851, 741	742, 737	3, 342, 217	1, 825, 004	7, 023
East North Central.....	2, 220, 032	2, 124, 725	1, 964, 219	1, 793, 056	8, 508, 125	4, 342, 133	23, 268
Ohio.....	686, 136	548, 802	505, 329	464, 054	2, 309, 363	1, 337, 608	3, 012
Indiana.....	289, 195	284, 081	274, 400	254, 204	1, 090, 824	726, 956	3, 830
Illinois.....	655, 073	645, 264	695, 330	540, 552	2, 630, 468	1, 400, 600	8, 924
Michigan.....	404, 586	368, 220	326, 453	295, 514	1, 474, 769	795, 138	3, 732
Wisconsin.....	285, 042	277, 458	259, 707	238, 132	987, 201	581, 672	2, 855
West North Central.....	1, 341, 412	1, 313, 097	1, 249, 571	1, 144, 428	4, 752, 200	2, 723, 220	18, 323
Minnesota.....	261, 394	248, 599	233, 961	210, 609	925, 236	495, 673	2, 653
Iowa.....	250, 887	239, 979	227, 801	214, 981	901, 494	562, 442	3, 437
Missouri.....	327, 909	338, 375	336, 121	307, 163	1, 302, 890	788, 386	4, 211
North Dakota.....	90, 889	85, 773	74, 769	61, 484	230, 121	102, 584	1, 292
South Dakota.....	79, 831	74, 521	66, 510	50, 476	239, 979	114, 783	1, 447
Nebraska.....	143, 240	140, 830	132, 108	110, 052	494, 159	264, 687	2, 549
Kansas.....	187, 292	185, 270	170, 311	162, 691	655, 321	390, 665	2, 737
South Atlantic.....	1, 729, 369	1, 747, 456	1, 633, 561	1, 408, 111	4, 993, 897	2, 456, 784	20, 124
Delaware.....	22, 929	21, 144	20, 214	18, 572	86, 650	52, 772	722
Maryland.....	147, 065	143, 703	139, 871	130, 997	563, 715	322, 879	1, 491
District of Columbia.....	30, 430	29, 840	29, 816	33, 526	212, 140	99, 924	1, 889
Virginia.....	277, 184	283, 135	265, 993	234, 360	818, 503	426, 974	3, 093
West Virginia.....	195, 934	184, 372	164, 147	141, 311	525, 499	249, 652	2, 786
North Carolina.....	368, 808	355, 642	318, 857	285, 198	844, 533	409, 556	3, 209
South Carolina.....	228, 581	235, 827	223, 040	182, 761	690, 417	242, 762	1, 336
Georgia.....	363, 229	382, 373	365, 312	307, 540	1, 039, 013	464, 516	2, 940
Florida.....	105, 293	111, 420	106, 311	91, 837	363, 477	187, 449	2, 713
East South Central.....	1, 088, 134	1, 127, 944	1, 083, 052	911, 387	3, 078, 204	1, 694, 538	10, 048
Kentucky.....	291, 625	287, 571	271, 237	235, 824	840, 910	481, 545	1, 918
Tennessee.....	280, 739	280, 384	276, 437	238, 371	818, 265	435, 555	2, 154
Alabama.....	299, 522	318, 231	299, 412	244, 993	705, 254	365, 055	2, 707
Mississippi.....	216, 248	235, 758	235, 966	192, 199	614, 775	292, 403	3, 269
West South Central.....	1, 216, 509	1, 285, 179	1, 233, 234	1, 070, 051	3, 749, 355	1, 667, 113	19, 780
Arkansas.....	220, 811	228, 483	221, 471	185, 852	602, 303	293, 535	1, 084
Louisiana.....	200, 213	223, 230	219, 227	185, 305	694, 714	280, 495	4, 325
Oklahoma.....	252, 578	291, 754	247, 437	209, 335	729, 212	327, 086	5, 281
Texas.....	533, 907	572, 707	545, 099	488, 569	1, 750, 069	756, 397	10, 480
Mountain.....	398, 814	374, 324	335, 530	285, 204	1, 304, 365	626, 303	13, 061
Montana.....	67, 372	60, 074	51, 327	42, 028	225, 192	100, 959	1, 937
Idaho.....	54, 536	51, 279	46, 597	38, 319	161, 081	79, 115	339
Wyoming.....	22, 524	20, 885	17, 453	14, 780	80, 411	31, 409	875
Colorado.....	97, 058	95, 080	89, 214	78, 632	360, 496	205, 489	7, 054
New Mexico.....	46, 369	46, 350	40, 925	34, 600	129, 822	61, 783	455
Arizona.....	40, 807	37, 894	32, 073	23, 435	139, 144	54, 184	1, 025
Utah.....	61, 375	36, 491	31, 026	43, 373	161, 093	74, 077	401
Nevada.....	6, 743	6, 759	5, 710	4, 977	34, 526	18, 377	315
Pacific.....	479, 479	481, 621	445, 843	412, 586	2, 340, 294	1, 397, 998	15, 060
Washington.....	129, 434	128, 258	117, 563	106, 466	594, 273	308, 831	4, 787
Oregon.....	71, 318	73, 084	69, 014	62, 775	314, 820	161, 524	364
California.....	278, 727	280, 279	259, 276	243, 326	1, 461, 201	897, 633	9, 419

Source: Bureau of the Census, Department of Commerce.

No. 15.—POPULATION:

NOTE.—The census of 1870 in the Southern States

Division and State	1860			1880			1890 ¹	
	White	Negro	All other ²	White	Negro	All other ²	White	Negro
Continental United States.	26,022,537	4,441,880	78,954	43,402,970	6,580,793	172,020	55,101,268	7,468,676
New England.	3,110,480	24,711	92	3,988,789	39,926	1,815	4,653,191	44,580
Maine.....	626,947	1,327	5	646,862	1,451	633	659,263	1,190
New Hampshire.....	325,579	494	—	346,229	685	77	375,840	614
Vermont.....	314,369	709	20	331,218	1,057	11	331,418	937
Massachusetts.....	1,221,432	9,602	32	1,763,782	18,697	606	2,215,373	22,144
Rhode Island.....	170,649	3,952	19	269,939	6,488	104	337,859	7,393
Connecticut.....	451,504	8,627	10	610,769	11,547	384	733,438	12,302
Middle Atlantic.	7,327,548	131,290	147	10,305,056	189,492	2,331	12,468,794	225,336
New York.....	3,831,500	49,005	140	5,010,022	65,104	1,745	6,923,955	70,092
New Jersey.....	646,699	25,336	—	1,092,017	38,853	240	1,396,581	47,638
Pennsylvania.....	2,849,259	56,949	7	4,197,016	85,536	340	5,148,258	107,606
East North Central.	6,855,644	63,699	7,541	11,012,047	183,296	11,393	13,253,725	207,023
Ohio.....	2,302,898	36,673	30	3,117,920	70,900	242	3,584,805	87,113
Indiana.....	1,338,710	11,428	200	1,938,798	39,228	275	2,140,736	45,215
Illinois.....	1,704,291	7,628	32	3,031,151	46,368	352	3,768,472	57,028
Michigan.....	736,142	6,799	6,172	1,614,560	15,100	7,277	2,072,884	15,223
Wisconsin.....	273,693	1,171	1,017	1,309,618	2,702	3,177	1,680,828	2,444
West North Central.	2,044,326	120,540	4,987	5,049,370	202,323	6,744	8,660,088	284,089
Minnesota.....	169,395	259	2,369	776,884	1,564	2,325	1,296,048	3,683
Iowa.....	673,779	1,069	65	1,614,600	9,516	499	1,901,090	10,685
Missouri.....	1,063,489	118,503	20	2,022,826	145,350	204	2,528,458	150,184
North Dakota.....				36,192	113	604	182,407	373
South Dakota.....	2,570		2,261	96,955	288	1,025	328,010	541
Nebraska.....	28,696	32	63	449,794	2,385	263	1,047,090	8,913
Kansas.....	106,390	627	189	952,155	43,107	834	1,376,619	49,710
South Atlantic.	3,395,107	2,068,198	1,398	4,654,112	2,941,202	1,883	5,692,149	3,262,690
Delaware.....	90,589	21,627	—	120,160	20,442	6	140,066	28,336
Maryland.....	515,918	171,131	—	724,693	210,230	20	826,493	215,657
District of Columbia.....	90,763	14,316	1	118,009	59,596	22	154,695	75,572
Virginia.....	1,047,299	648,907	112	880,858	631,616	91	1,020,122	635,438
West Virginia ⁴				692,637	25,886	34	730,077	32,690
North Carolina.....	629,942	361,522	1,158	897,242	531,277	1,231	1,055,382	561,013
South Carolina.....	291,300	412,320	88	391,105	604,332	140	462,008	688,934
Georgia.....	591,550	465,698	38	816,000	725,133	141	978,357	868,815
Florida.....	77,746	62,677	1	142,605	126,690	198	224,949	166,180
East South Central.	2,628,376	1,394,360	255	3,657,693	1,924,996	2,562	4,305,668	2,119,797
Kentucky.....	919,484	236,167	33	1,377,170	271,451	60	1,590,462	265,071
Tennessee.....	826,722	283,019	60	1,138,831	403,151	377	1,336,637	490,678
Alabama.....	526,271	437,770	160	662,185	600,193	217	839,719	678,489
Mississippi.....	353,899	437,404	2	479,398	650,291	1,908	644,651	742,569
West South Central.	1,102,490	844,553	624	2,243,722	1,087,705	2,793	3,295,436	1,375,090
Arkansas.....	324,143	111,259	48	591,531	210,696	328	818,752	309,117
Louisiana.....	357,456	350,373	173	454,054	483,655	1,337	558,395	559,193
Oklahoma ⁵							172,554	21,609
Texas.....	420,891	182,921	403	1,197,237	393,384	1,128	1,745,935	488,171
Mountain.	164,092	235	10,696	614,821	5,022	33,276	1,117,363	12,971
Montana.....				35,335	940	3,428	127,690	1,450
Idaho.....				29,013	83	3,544	82,117	201
Wyoming.....				19,437	298	1,054	59,324	622
Colorado.....	34,231	46	—	191,120	2,436	706	404,594	6,215
New Mexico.....	32,924	36	10,507	103,721	1,016	9,829	142,918	1,056
Arizona.....				35,160	156	1,705	55,734	1,357
Utah.....	40,125	59	89	142,423	232	1,308	205,925	588
Nevada.....	6,812	45	—	53,550	488	8,222	30,121	242
Pacific.	386,475	4,244	53,834	997,455	6,830	110,293	1,754,644	14,110
Washington.....	11,138	30	426	67,199	325	7,532	340,529	1,602
Oregon.....	52,160	128	177	163,075	487	11,206	301,982	1,186
California.....	323,177	4,086	52,731	767,181	6,018	91,495	1,111,833	11,322

¹ Includes population specially enumerated in Indian Territory and on Indian reservations.² Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1890.

Source: Bureau of the Census, Department of Commerce.

RACE, BY STATES

was incomplete; consequently, 1860 is shown

1890— Contd.	1900			1910			1920			Division and State
	All other	White	Negro	All other	White	Negro	All other	White	Negro		All other
857,780	66,809,196	8,833,994	351,385	81,781,967	9,827,765	412,548	84,820,915	10,463,131	426,574	U. S.
2,978	5,527,026	59,099	5,892	6,480,514	66,306	5,891	7,318,079	79,051	5,779	N. E.
633	692,226	1,319	921	759,996	1,363	1,013	765,695	1,310	1,009	Me.
76	410,791	662	136	429,906	564	102	442,331	621	131	N. H.
67	342,771	820	44	354,295	1,621	37	351,817	672	39	Vt.
1,430	2,769,764	31,974	3,608	3,323,926	35,055	3,435	3,803,524	45,466	3,365	Mass.
254	419,050	9,092	414	552,492	9,629	589	598,980	10,036	381	R. I.
518	892,424	15,226	770	1,098,897	15,174	685	1,368,732	21,046	853	Conn.
12,100	15,110,882	326,921	17,895	16,880,452	417,870	17,570	21,641,840	600,183	19,121	M. A.
0,127	7,156,881	99,232	12,781	8,065,845	134,191	12,578	10,172,027	185,483	14,717	N. Y.
714	1,812,317	69,844	1,508	2,445,894	89,760	1,513	3,037,037	117,132	1,681	N. J.
2,269	6,141,664	156,845	3,606	7,467,713	193,919	3,479	8,432,726	284,568	2,723	Pa.
17,557	15,710,053	257,842	17,686	17,927,622	300,836	22,163	20,938,562	514,654	22,127	E. N. G.
411	4,060,204	96,901	440	4,654,897	111,452	772	5,571,893	186,187	1,314	Ohio.
453	2,458,502	67,505	455	2,694,961	60,320	595	2,849,071	80,810	509	Ind.
852	4,734,873	85,078	1,599	5,626,962	109,049	2,520	6,296,333	182,274	3,073	Mich.
5,783	2,398,595	15,810	6,003	2,785,247	17,115	7,511	3,601,627	60,682	6,703	Ill.
10,056	2,057,911	2,642	8,589	2,820,555	2,900	10,465	2,616,938	5,201	9,228	Wis.
47,995	10,085,817	237,909	48,697	11,851,621	242,662	43,639	12,225,387	278,621	40,841	W. N. G.
0,127	1,737,036	4,989	9,399	2,059,227	7,084	9,397	2,398,930	8,509	9,380	Minn.
522	2,218,607	12,093	408	2,200,191	14,073	607	2,384,131	19,005	835	Iowa.
543	2,944,849	101,234	538	3,134,932	167,452	951	3,225,044	178,241	770	Mo.
8,203	811,712	286	7,143	869,855	617	6,584	639,964	497	6,451	N. Dak.
20,049	380,714	465	20,801	563,771	817	10,300	619,147	832	10,598	S. Dak.
0,647	1,056,520	6,269	3,505	1,180,236	7,089	4,232	1,279,219	13,242	3,011	Nebr.
1,779	1,416,310	52,003	2,173	1,634,352	54,030	2,507	1,708,906	57,925	2,420	Kans.
3,083	6,706,053	3,729,017	3,405	8,071,603	4,112,453	10,804	9,848,940	4,325,120	16,212	S. A.
41	153,977	30,697	61	171,102	31,131	89	192,615	39,335	53	Del.
240	922,424	235,084	559	1,062,639	232,250	457	1,204,737	245,479	445	Md.
125	191,532	86,702	484	236,129	94,446	495	326,800	190,966	745	D. C.
420	1,192,856	60,722	607	1,389,809	671,096	707	1,617,000	693,017	1,261	Va.
27	915,233	43,499	83	1,166,817	64,173	129	1,377,235	86,945	121	W. Va.
1,549	1,263,693	624,450	5,738	1,500,511	697,843	7,833	1,733,770	763,407	11,037	N. C.
207	537,607	782,321	133	674,161	835,843	303	818,538	884,719	467	S. C.
181	1,131,204	1,034,813	224	1,431,802	1,176,987	322	1,680,114	1,206,365	853	Ga.
293	297,393	230,730	479	443,634	308,609	316	638,153	329,487	830	Fla.
3,689	5,044,847	2,499,886	3,024	5,754,896	2,652,513	3,062	6,367,647	2,523,532	2,228	E. S. G.
102	1,802,309	284,706	159	2,027,951	261,656	298	2,180,560	235,938	132	Ky.
203	1,640,186	480,243	187	1,711,432	473,083	269	1,885,993	451,768	134	Tenn.
1,194	1,001,152	827,307	238	1,228,832	908,282	979	1,447,032	900,652	490	Ala.
2,190	641,200	907,630	2,440	786,111	1,000,457	1,616	853,062	935,184	1,472	Miss.
67,257	4,771,065	1,694,066	67,159	6,721,491	1,984,426	78,617	8,115,727	2,063,679	62,018	W. S. G.
842	944,580	366,556	1,228	1,131,026	442,891	532	1,275,757	472,220	227	Ark.
1,000	726,612	650,804	1,209	941,086	713,874	1,428	1,096,611	700,257	1,641	La.
64,404	670,204	55,894	64,503	1,444,531	137,612	75,012	1,821,194	149,408	57,691	Oklia.
1,421	2,426,860	620,722	1,319	3,204,848	690,049	1,645	3,918,165	741,694	3,860	Tx.
83,601	1,679,856	15,590	79,212	2,520,455	21,467	91,595	3,212,869	30,801	92,401	Mt.
13,744	226,283	1,523	15,223	360,580	1,894	13,639	534,260	1,658	12,971	Mont.
6,230	154,495	293	6,984	319,221	651	6,521	425,668	920	5,278	Idaho.
2,309	89,051	940	2,540	140,318	2,235	3,412	190,146	1,375	2,881	Wyo.
2,500	529,046	8,570	2,084	783,415	11,463	4,166	924,103	11,318	4,298	Colo.
15,408	180,207	1,610	13,493	304,594	1,628	21,079	334,473	5,733	19,944	N. Mex.
31,152	92,903	1,845	28,180	171,468	2,009	30,877	291,449	8,005	34,708	Ariz.
4,266	272,466	672	3,612	366,583	1,144	5,624	441,001	1,446	6,049	Utah.
7,992	35,465	134	6,796	74,276	513	7,080	70,090	1,346	6,362	Nev.
119,580	2,293,613	14,604	108,415	4,023,878	29,193	139,236	5,363,684	47,790	166,447	Pac.
14,801	496,304	2,514	10,285	1,109,111	6,058	26,821	1,319,777	6,883	29,061	Wash.
14,536	394,582	1,105	17,849	655,090	1,492	16,183	769,146	2,144	12,099	Oreg.
69,243	1,402,727	11,045	71,281	2,269,672	21,645	66,223	3,264,711	38,763	123,387	Calif.

² Dakota Territory; see footnote 5, Table 12.

⁴ Area now constituting West Virginia formed part of Virginia in 1860.

⁵ Includes population of Indian Territory for 1890 and 1900.

NOTE.—For total white

Division and State	Native white						Foreign-born white
	Native parentage		Foreign parentage		Mixed native and foreign parentage		
	1910	1920	1910	1920	1910	1920	
Continental United States.	49,468,575	56,421,957	12,916,311	15,694,539	5,981,526	9,991,665	13,345,545
New England	2,618,415	2,893,149	1,400,565	1,808,940	592,144	735,936	1,814,896
Maine	404,007	495,780	78,455	86,150	11,500	16,419	110,138
New Hampshire	230,231	225,512	97,601	81,039	35,516	44,847	96,558
Vermont	220,322	228,325	93,507	42,100	35,545	35,866	49,801
Massachusetts	1,103,429	1,230,773	846,820	1,093,258	323,627	401,950	1,061,050
Rhode Island	159,821	178,553	114,270	132,000	50,376	64,288	178,025
Connecticut	395,049	449,206	286,512	421,133	85,677	111,880	328,769
Middle Atlantic	8,492,941	9,631,012	4,113,078	5,397,951	1,478,238	1,700,302	4,599,179
New York	3,230,325	3,498,266	2,241,837	2,844,038	765,411	873,566	2,729,272
New Jersey	1,009,909	1,212,675	676,011	829,068	201,768	256,741	658,188
Pennsylvania	4,252,727	4,750,071	1,295,228	1,724,811	511,039	569,995	1,499,719
East North Central	9,771,963	11,790,870	3,450,015	4,043,692	1,558,419	1,861,621	3,067,920
Ohio	3,133,259	3,869,122	671,275	839,261	353,113	385,823	697,245
Indiana	2,130,083	2,329,544	211,008	227,066	139,542	141,593	159,322
Illinois	2,600,555	3,068,563	1,232,155	1,487,036	491,682	558,783	1,202,560
Michigan	1,224,841	1,676,447	611,319	775,288	253,563	428,257	595,524
Wisconsin	763,225	1,054,694	724,258	736,051	320,503	360,055	512,569
West North Central	6,528,687	7,475,548	2,108,763	2,196,136	1,112,000	1,261,752	1,813,931
Minnesota	876,081	827,627	667,460	708,136	273,676	347,019	543,010
Iowa	1,363,526	1,528,553	395,541	376,710	236,040	253,271	273,484
Missouri	2,387,835	2,535,936	812,027	300,004	206,174	202,018	228,896
North Dakota	102,481	207,966	130,054	203,973	71,182	98,512	156,168
South Dakota	215,652	308,598	143,045	141,341	74,446	80,317	100,623
Nebraska	642,075	767,064	234,670	231,948	127,683	140,555	175,865
Kansas	1,207,057	1,393,304	169,906	163,094	122,199	125,560	135,190
South Atlantic	7,341,205	8,779,416	274,451	358,643	165,392	199,961	290,555
Delaware	127,809	139,876	17,566	23,288	8,307	9,641	17,420
Maryland	766,627	893,098	130,321	143,203	61,517	66,269	104,174
Dist. of Columbia	166,711	233,483	26,522	35,123	18,644	23,695	24,351
Virginia	1,325,238	1,534,494	21,613	30,514	16,390	22,116	26,628
West Virginia	1,042,197	1,232,847	35,407	66,825	23,231	25,847	57,072
North Carolina	1,435,718	1,765,203	3,386	5,737	4,965	5,740	5,942
South Carolina	661,970	796,418	5,759	7,026	5,378	5,694	6,054
Georgia	1,391,658	1,842,097	13,232	16,371	13,440	13,860	15,072
Florida	373,967	532,295	23,145	35,761	15,680	27,099	33,842
East South Central	5,458,493	6,092,782	123,915	115,494	91,062	87,842	86,557
Kentucky	1,369,194	2,039,134	76,523	65,931	48,181	44,715	40,053
Tennessee	1,654,600	1,832,787	20,672	23,423	17,795	17,335	18,469
Alabama	1,177,459	1,304,129	17,667	19,591	14,750	16,650	18,066
Mississippi	787,233	826,762	9,153	9,539	10,336	9,042	9,389
West South Central	5,787,449	6,953,785	364,082	416,739	241,251	280,510	348,759
Arkansas	1,077,509	1,226,692	18,367	19,030	15,226	16,909	16,909
Louisiana	776,587	941,724	68,389	67,016	44,328	43,000	51,782
Oklahoma	1,120,403	1,679,107	46,877	63,083	44,167	49,036	40,084
Texas	2,692,950	3,112,262	227,379	276,670	134,535	168,714	239,984
Mountain	1,466,824	2,002,598	370,069	451,132	248,912	306,054	436,810
Montana	182,127	275,503	68,000	101,918	38,206	61,041	91,044
Idaho	203,599	294,252	40,075	47,020	35,120	44,533	40,427
Wyoming	80,696	122,884	19,751	25,234	12,753	16,778	27,118
Colorado	478,136	603,041	114,747	130,059	66,081	74,049	126,851
New Mexico	255,609	273,317	19,410	18,865	13,414	13,414	22,824
Arizona	82,468	151,145	26,117	39,584	16,059	22,071	46,824
Utah	171,063	245,781	73,083	75,901	57,644	63,764	63,393
Nevada	35,326	36,285	12,820	11,701	8,031	7,911	17,999
Pacific	2,108,770	2,387,387	667,545	884,372	398,110	548,007	861,448
Washington	585,389	711,706	174,845	214,613	107,083	143,398	241,197
Oregon	416,851	497,726	79,336	95,827	55,902	73,442	103,001
California	1,206,533	1,877,955	403,364	573,927	235,225	331,167	517,250

Source: Bureau of the Census, Department of Commerce.

AND PARENTAGE, BY STATES

population see Table 15

Foreign-born white—Continued	Negro		Indian		Chinese		Japanese		Division and State	
	1920	1910	1920	1910	1920	1910	1920	1910		1920
	13,712,754	9,827,763	10,463,131	265,693	244,437	71,631	61,639	72,167		111,010	U. S.
1,870,654	66,306	79,051	2,076	1,715	3,499	3,602	272	347	N. E.	
107,349	1,363	1,310	892	839	108	161	13	7	Me.	
91,233	564	621	34	28	67	95	1	8	N. H.	
44,526	1,621	572	26	24	8	11	3	4	Vt.	
1,077,534	38,055	45,466	688	555	2,582	2,544	151	191	Mass.	
173,499	9,529	10,036	284	110	272	225	33	35	R. I.	
376,513	15,174	21,046	152	159	462	566	71	102	Conn.	
4,912,575	417,870	600,183	7,717	5,840	8,189	8,312	1,843	3,288	W. N. C.	
2,736,112	134,191	193,483	6,040	5,503	5,266	5,793	1,247	2,686	N. Y.	
738,613	89,780	117,132	168	100	1,139	1,190	206	325	N. J.	
1,387,860	193,919	284,563	1,593	337	1,784	1,829	190	255	Pa.	
3,223,279	306,836	514,554	18,255	15,695	3,415	5,043	482	927	E. N. C.	
678,697	111,452	186,187	127	151	569	941	76	130	Ohio.	
150,808	60,320	80,810	279	125	276	283	38	31	Ind.	
1,206,951	109,049	182,274	188	194	2,103	2,776	285	472	Ill.	
726,635	17,115	60,682	7,510	5,614	2,111	792	49	184	Mich.	
460,128	2,900	5,301	10,142	9,611	226	251	34	60	Wis.	
1,371,981	242,662	278,521	41,406	37,263	1,195	1,673	1,000	1,215	W. N. C.	
486,164	7,034	8,809	9,053	8,761	275	508	67	85	Minn.	
225,647	14,973	19,005	471	529	97	235	36	29	Iowa.	
186,026	157,452	178,241	313	171	535	412	99	135	Mo.	
131,503	617	467	6,486	6,254	39	124	59	72	N. Dak.	
82,391	817	832	10,137	16,384	121	142	42	38	S. Dak.	
149,652	7,689	13,242	3,502	2,888	112	189	590	804	Nebr.	
110,578	54,030	57,925	2,444	2,276	16	68	107	52	Kans.	
315,920	4,112,488	4,325,120	9,054	13,673	1,592	1,824	156	380	S. A.	
19,810	31,181	30,333	5	2	30	43	4	8	Del.	
102,177	232,250	244,479	56	32	378	371	24	29	Md.	
28,548	94,446	100,065	68	37	369	461	47	103	D. C.	
30,785	671,096	690,017	539	824	154	278	14	56	Va.	
61,906	84,173	86,345	36	7	90	98	3	10	W. Va.	
7,099	697,843	763,407	7,851	11,824	80	88	2	24	N. O. C.	
6,401	835,843	864,710	331	304	57	93	8	16	S. C.	
16,186	1,176,987	1,206,365	95	125	238	211	4	9	Ga.	
43,008	308,060	329,487	74	518	191	181	50	106	Fla.	
71,939	2,452,513	2,523,532	2,613	1,693	414	542	26	35	E. S. C.	
30,780	261,656	235,938	234	57	52	62	12	9	Ky.	
15,478	473,068	451,758	216	56	43	57	8	8	Tenn.	
17,662	908,282	900,652	909	405	62	59	4	18	Ala.	
8,019	1,009,487	935,184	1,283	1,105	207	304	2	2	Miss.	
459,333	1,984,426	2,063,879	76,767	60,618	1,303	1,534	428	573	W. S. C.	
13,975	442,891	472,220	400	62	106	113	9	5	Ark.	
44,871	713,374	700,257	780	1,096	507	387	31	67	La.	
39,998	137,612	149,408	74,825	57,337	139	261	43	67	Okla.	
360,519	690,049	741,694	702	2,109	595	773	340	449	Tex.	
453,225	21,467	30,801	76,338	78,899	5,614	4,339	10,447	10,792	Mt.	
93,620	1,334	1,058	10,745	10,956	1,255	372	1,835	1,674	Mont.	
38,963	651	920	3,488	3,098	859	585	1,863	1,569	Idaho.	
25,255	2,235	1,375	1,486	1,843	246	252	1,596	1,194	Wyo.	
116,954	11,453	11,318	1,482	1,883	373	201	2,800	2,404	Colo.	
29,077	1,628	5,733	20,873	19,512	248	171	258	251	N. Mex.	
78,099	2,069	8,005	29,201	32,989	1,305	1,137	371	550	Ariz.	
66,455	1,144	1,440	3,123	2,711	371	342	2,110	2,936	Utah.	
14,802	513	346	5,240	4,967	627	689	864	754	NeV.	
1,083,868	29,195	47,790	32,453	31,011	46,320	34,265	57,793	93,480	Pac.	
250,035	6,053	6,883	10,997	9,061	2,799	2,363	12,929	17,337	Wash.	
102,151	1,492	2,144	5,090	4,590	7,393	3,090	3,418	4,151	Oreg.	
681,662	21,646	38,763	16,371	17,360	36,248	28,812	41,356	71,952	Calif.	

Division and State	Total population						Native white, 1920		
	1910		1920		Males per 100 females		Male	Female	Males per 100 females
	Male	Female	Male	Female	1910	1920			
Continental United States.	47,332,277	44,659,989	53,900,431	51,810,189	106.0	104.0	40,902,333	40,205,828	101.7
New England	3,265,114	3,287,667	3,672,591	3,728,318	99.3	98.5	2,682,175	2,763,260	97.1
Maine.....	377,032	365,319	388,762	379,202	103.2	102.5	331,048	320,698	101.5
New Hampshire.....	216,290	214,282	222,112	220,971	100.9	100.5	174,823	170,275	99.2
Vermont.....	182,593	173,888	178,854	173,574	105.3	103.0	154,793	152,498	101.5
Massachusetts.....	1,655,248	1,711,168	1,890,014	1,962,342	96.7	96.3	1,390,998	1,394,992	95.4
Rhode Island.....	270,314	272,206	297,624	300,873	99.3	97.0	205,907	214,514	96.0
Connecticut.....	503,642	551,114	695,835	685,296	102.3	101.5	483,946	498,273	97.1
Middle Atlantic	9,813,269	9,602,628	11,200,445	11,054,699	103.8	101.4	8,272,922	8,456,343	97.9
New York.....	4,584,597	4,529,017	5,187,850	5,197,877	101.2	99.8	3,638,435	3,747,480	97.1
New Jersey.....	1,230,643	1,250,704	1,590,075	1,565,825	102.9	101.5	1,139,491	1,158,983	98.3
Pennsylvania.....	3,942,206	3,722,905	4,420,020	4,290,997	105.9	103.2	3,494,990	3,459,880	98.5
East North Central	9,392,830	8,857,782	11,036,041	10,440,502	106.0	105.7	8,038,715	8,776,868	101.8
Ohio.....	2,434,753	2,332,363	2,955,980	2,803,414	104.4	105.4	2,463,320	2,429,870	101.4
Indiana.....	1,833,295	1,817,631	1,489,074	1,441,310	105.0	103.3	1,368,045	1,339,568	101.4
Illinois.....	2,911,674	2,726,917	3,304,833	3,180,447	106.8	103.9	2,550,609	2,541,373	100.3
Michigan.....	1,454,534	1,355,639	1,628,436	1,739,976	107.3	110.8	1,476,459	1,398,533	105.6
Wisconsin.....	1,208,778	1,126,282	1,350,718	1,275,340	107.4	100.4	1,089,782	1,067,028	102.1
West North Central	6,092,855	5,645,066	6,459,087	6,085,182	109.9	106.1	5,514,722	5,398,704	103.9
Minnesota.....	1,108,511	967,197	1,245,537	1,141,838	114.9	109.1	957,140	925,032	103.4
Iowa.....	1,148,171	1,070,600	1,229,392	1,174,029	106.6	104.7	1,091,046	1,066,888	102.3
Missouri.....	1,637,813	1,505,522	1,723,819	1,680,730	105.1	102.5	1,523,279	1,510,739	101.2
North Dakota.....	317,554	259,502	341,073	305,199	122.4	112.0	262,045	245,806	106.9
South Dakota.....	317,112	269,776	337,120	299,427	118.9	112.6	280,687	250,109	109.6
Nebraska.....	627,732	564,432	672,807	623,567	111.2	107.9	573,953	550,614	105.1
Kansas.....	885,912	805,037	909,221	860,030	110.0	105.7	818,472	782,860	104.2
South Atlantic	6,134,606	6,060,990	7,035,843	6,954,429	101.2	101.2	4,708,147	4,624,873	101.6
Delaware.....	103,435	98,887	113,755	109,243	94.6	104.1	80,680	80,125	100.6
Maryland.....	644,225	651,121	729,456	720,206	98.9	101.3	550,973	551,627	99.9
District of Columbia.....	158,050	173,019	203,543	234,023	91.3	87.0	130,889	161,423	84.8
Virginia.....	1,035,348	1,026,284	1,168,432	1,140,095	100.9	102.4	800,082	781,042	101.4
West Virginia.....	644,044	577,075	703,100	700,001	111.6	108.9	673,959	641,370	105.1
North Carolina.....	1,068,476	1,107,811	1,279,062	1,280,061	99.2	99.9	894,690	881,990	101.4
South Carolina.....	751,842	763,558	858,293	845,431	98.5	99.2	411,728	400,409	102.8
Georgia.....	1,305,019	1,304,102	1,444,823	1,451,009	100.1	99.6	844,105	828,823	101.8
Florida.....	304,166	358,453	495,320	473,150	110.0	104.7	303,041	292,104	103.7
East South Central	4,245,169	4,184,732	4,471,690	4,421,617	101.9	101.1	3,184,419	3,111,189	102.4
Kentucky.....	1,161,709	1,128,196	1,227,494	1,180,136	103.0	103.2	1,091,374	1,058,406	102.1
Tennessee.....	1,103,491	1,081,298	1,178,067	1,163,918	102.1	100.9	942,203	928,312	101.5
Alabama.....	1,074,200	1,063,884	1,173,105	1,175,060	101.1	99.8	722,414	706,950	102.2
Mississippi.....	905,769	820,354	897,124	893,494	107.6	105.4	423,423	417,515	102.6
West South Central	4,544,505	4,240,029	5,265,829	4,976,395	107.2	105.8	3,943,100	3,713,294	106.2
Arkansas.....	810,020	764,423	895,228	856,976	106.0	104.5	645,573	610,204	105.4
Louisiana.....	835,275	821,113	903,335	895,174	101.7	100.9	590,690	521,050	101.9
Oklahoma.....	881,778	775,677	1,058,044	970,239	113.7	108.0	927,780	853,460	108.7
Texas.....	2,017,626	1,878,916	2,409,222	2,254,066	107.4	106.9	1,835,072	1,722,574	106.5
Mountain	1,478,018	1,155,499	1,789,299	1,546,802	127.9	115.7	1,446,936	1,313,339	110.1
Montana.....	226,872	140,181	269,941	248,948	152.1	120.5	232,363	207,277	112.6
Idaho.....	185,546	140,043	233,910	197,947	132.5	118.2	165,259	151,446	113.1
Wyoming.....	91,670	54,295	110,359	84,043	168.3	131.3	90,567	74,324	121.9
Colorado.....	430,697	368,327	492,731	446,898	116.9	110.3	416,028	391,123	106.4
New Mexico.....	175,245	152,050	190,450	169,891	115.3	112.1	158,505	147,001	107.3
Arizona.....	118,574	85,780	133,602	150,560	128.2	121.9	114,688	98,662	116.2
Utah.....	196,803	170,488	232,051	217,346	111.5	108.8	196,357	189,089	103.8
Nevada.....	52,551	29,324	46,240	31,167	179.2	145.4	31,571	24,326	129.3
Pacific	2,365,906	1,928,398	2,984,626	2,602,245	129.5	113.9	2,211,797	2,107,969	104.9
Washington.....	658,063	483,327	734,701	621,920	136.3	118.1	558,575	511,147	109.3
Oregon.....	384,265	288,500	416,334	367,055	133.2	113.4	344,840	322,146	107.0
California.....	1,322,978	1,054,571	1,813,591	1,613,270	125.5	112.4	1,308,373	1,274,676	102.6

Source: Bureau of the Census, Department of Commerce.

AND NATIVITY, BY STATES

Foreign-born white, 1920			Negro, 1920			Indian, 1920		Chinese, 1920		Japanese, 1920		Division and State
Male	Fe- male	Males per 100 fe- males	Male	Fe- male	Males per 100 fe- males	Male	Fe- male	Male	Fe- male	Male	Fe- male	
7,528,322	6,184,432	121.7	5,200,436	5,253,005	99.2	125,068	119,368	53,891	7,748	72,707	38,303	U. S.
945,738	924,918	102.3	40,155	38,898	103.2	848	887	3,301	301	284	68	N. E.
55,807	51,542	108.3	716	504	120.5	420	410	153	8	7	7	Me.
46,844	44,380	105.5	333	288	115.6	13	15	99	2	0	2	N. H.
23,711	20,815	113.9	320	252	127.0	16	9	11	0	4	4	Vt.
532,319	544,215	93.0	22,912	22,554	101.6	202	238	2,397	237	149	42	Mass.
86,164	87,335	98.7	5,090	4,940	103.2	59	51	201	24	31	4	R. I.
190,891	176,622	113.2	10,778	10,268	105.0	79	80	530	30	87	15	Conn.
2,617,566	2,295,009	114.1	301,147	299,030	100.7	3,068	2,872	8,067	745	2,647	019	M. A.
1,442,576	1,343,537	107.4	95,418	103,055	92.0	2,816	2,037	5,240	563	2,190	496	N. Y.
591,655	840,958	112.9	67,432	59,700	96.2	55	44	1,132	58	247	78	N. J.
782,336	694,514	123.3	148,297	130,271	108.3	106	141	1,095	134	210	45	Pa.
1,800,384	1,413,945	128.0	273,026	241,523	113.0	8,169	7,529	4,623	420	750	177	E. N. C.
591,344	287,353	136.2	100,160	86,027	116.4	94	57	370	65	104	26	Ohio.
88,180	62,638	140.7	41,817	33,993	107.2	73	52	276	7	66	15	Ind.
657,264	540,687	119.6	93,935	85,439	106.1	108	86	2,523	253	374	98	Ill.
419,806	312,829	132.3	34,249	25,833	132.6	2,941	2,673	717	75	162	22	Mich.
258,740	201,383	128.5	2,965	2,236	132.6	4,950	4,661	231	20	44	16	Wis.
779,022	592,939	131.4	143,762	134,759	106.7	18,026	18,337	1,526	153	849	269	W. N. C.
278,688	207,576	134.2	4,851	3,958	122.6	4,424	4,337	448	60	19	19	Minn.
127,065	98,582	128.9	10,121	8,884	113.0	280	249	218	17	23	0	Iowa.
109,418	82,608	125.2	90,991	87,250	104.3	87	84	383	29	115	20	Mo.
76,396	56,117	134.3	276	191	144.5	3,183	3,071	119	5	63	9	N. Dak.
47,610	34,781	136.9	475	357	133.1	8,298	8,089	124	18	28	12	S. Dak.
84,277	65,375	128.9	7,309	5,933	123.2	1,450	1,429	160	20	611	193	Nebr.
62,678	47,900	130.9	29,739	23,186	105.6	1,193	1,078	64	4	42	10	Kans.
186,143	130,777	141.6	2,133,377	2,161,743	97.8	6,923	6,750	1,638	186	285	75	S. A.
11,369	8,441	134.7	15,655	14,080	106.6	2	1	41	2	8	8	Del.
54,628	47,549	114.9	123,453	121,026	102.0	18	14	350	21	22	7	Md.
15,142	13,406	112.9	80,855	59,111	86.0	20	17	417	44	90	13	D. C.
19,051	11,734	162.4	342,536	347,481	98.0	423	401	254	24	45	11	Va.
41,910	19,996	209.6	47,129	39,216	120.2	4	3	85	13	9	1	N. Va.
4,341	2,758	157.4	373,965	389,442	96.0	5,972	5,862	76	18	6	6	W. G.
4,095	2,306	177.6	422,185	442,534	95.4	145	159	70	17	11	4	S. C.
10,004	6,182	161.8	590,443	615,922	96.9	68	57	187	24	0	0	Ga.
24,603	18,405	133.7	167,150	162,331	103.0	271	247	153	28	73	33	Fla.
42,093	29,846	141.0	1,243,795	1,279,787	97.2	854	789	475	67	27	8	E. S. C.
17,479	13,301	131.4	118,548	117,390	101.0	27	30	56	6	7	2	Ky.
9,021	6,467	139.7	222,630	220,119	97.2	33	23	51	0	7	1	Tenn.
10,625	7,037	151.0	439,779	460,873	95.4	211	194	55	4	13	5	Ala.
4,968	3,051	162.8	462,829	472,355	98.0	583	522	313	51	0	0	Miss.
280,777	198,566	131.3	1,029,457	1,084,122	99.5	30,542	30,076	1,402	132	405	178	W. S. C.
8,591	5,384	159.6	230,895	235,325	100.7	61	45	97	16	3	2	Ark.
26,808	18,063	148.4	344,704	355,463	97.0	550	510	346	41	48	9	La.
24,931	15,037	165.8	70,294	73,114	104.3	28,759	28,587	243	18	54	13	Okla.
200,447	160,072	125.2	371,474	370,220	100.3	1,181	928	716	57	300	149	Tex.
271,373	181,852	149.2	19,726	11,075	178.1	39,363	37,096	3,919	420	7,225	2,987	Mt.
58,229	35,391	164.5	962	696	138.2	5,679	5,277	805	67	842	232	Mont.
24,877	14,080	176.6	585	335	174.6	1,577	1,521	542	43	1,058	511	Idaho.
16,934	8,321	203.5	863	512	168.6	715	628	240	6	952	242	Wyo.
68,219	48,735	140.0	5,834	5,484	106.4	734	649	252	39	1,601	863	Colo.
16,845	12,232	137.7	4,593	1,140	402.9	10,149	9,303	161	10	200	51	N. Mex.
44,637	33,442	133.5	5,859	2,146	273.0	17,028	15,961	963	174	383	167	Ariz.
30,875	25,580	120.7	834	612	136.3	1,442	1,289	314	28	2,174	762	Utah.
10,737	4,065	264.1	190	150	130.7	2,479	2,428	630	59	615	139	Nev.
617,278	418,590	148.2	24,991	22,799	109.6	15,938	15,073	28,947	5,318	59,538	33,952	Pac.
153,118	96,937	158.0	3,957	2,928	135.2	4,552	4,509	2,688	275	11,322	6,065	Wash.
62,310	39,841	156.4	1,197	947	126.4	2,301	2,239	2,629	461	2,802	1,349	Oreg.
401,850	279,812	143.6	19,837	18,920	104.8	9,085	8,275	24,230	4,532	45,414	26,538	Calif.

No. 18.—AGE DISTRIBUTION: PERCENTAGES, BY STATES

NOTE.—Per cent which persons of each age group form of total. Per cents based on total, including the small number of persons of unknown age, for whom percentages are not shown

Division and State	Per cent in age group—											
	Under 5 years		5 to 9 years		10 to 14 years		15 to 19 years		20 to 44 years		45 years and over	
	1910	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910	1920
Continental United States.....	11.6	10.9	10.6	10.8	9.9	10.1	9.9	8.9	38.0	38.4	18.9	20.8
New England.....	9.8	10.2	8.9	9.5	8.5	8.8	8.9	8.0	40.8	38.9	28.0	24.6
Maine.....	9.7	9.8	9.0	9.3	8.7	9.1	8.8	8.3	36.5	35.3	27.2	28.1
New Hampshire.....	9.2	9.3	8.6	9.0	8.4	8.8	8.8	7.9	37.7	36.2	27.1	28.0
Vermont.....	9.6	9.8	9.2	9.5	8.8	9.2	8.8	8.4	36.5	34.4	27.0	28.5
Massachusetts.....	9.8	10.0	8.8	9.3	8.5	8.7	8.8	7.8	42.2	39.9	21.9	24.1
Rhode Island.....	10.0	10.3	8.9	9.6	8.7	8.9	9.6	8.5	41.9	39.2	20.8	23.3
Connecticut.....	10.1	11.1	9.1	10.1	8.5	8.8	9.1	7.7	41.4	39.9	21.7	22.2
Middle Atlantic.....	10.6	10.6	9.4	10.1	8.9	9.2	9.3	8.2	41.8	40.2	19.8	21.7
New York.....	9.9	9.7	8.8	9.4	8.6	8.7	9.2	7.9	42.8	41.7	20.5	22.6
New Jersey.....	10.5	10.7	9.5	10.2	9.0	9.2	9.3	8.1	42.0	40.6	19.5	21.1
Pennsylvania.....	11.5	11.5	10.1	10.8	9.3	9.8	9.4	8.5	40.5	38.3	19.1	20.9
East North Central.....	10.5	10.3	9.7	9.9	9.4	9.1	9.6	8.3	39.5	39.6	21.2	22.5
Ohio.....	10.1	10.2	9.2	9.5	8.9	8.8	9.4	8.1	40.0	40.1	22.3	23.2
Indiana.....	10.2	9.9	9.8	9.7	9.5	9.4	9.0	8.7	38.3	37.4	22.5	24.8
Illinois.....	10.6	10.1	9.7	9.9	9.2	9.2	9.7	8.3	41.3	40.7	19.3	21.6
Michigan.....	10.6	11.0	9.8	10.0	9.2	8.9	9.5	8.1	38.3	40.2	22.4	21.7
Wisconsin.....	11.0	10.8	10.6	10.5	10.5	9.9	10.4	9.0	36.8	37.5	20.5	22.1
West North Central.....	11.3	10.7	10.6	10.5	10.1	10.0	10.2	8.1	38.4	37.9	19.3	31.7
Minnesota.....	10.9	11.0	10.6	10.4	10.3	9.8	10.4	9.2	39.0	38.8	18.5	20.8
Iowa.....	10.6	10.4	10.3	10.0	10.0	9.5	10.1	8.9	37.4	37.6	21.5	23.4
Missouri.....	10.9	9.6	10.3	9.9	9.8	9.8	10.1	9.0	38.9	38.3	19.7	23.2
North Dakota.....	14.3	14.1	12.1	13.3	10.3	11.6	9.8	9.5	39.6	35.6	13.6	15.9
South Dakota.....	12.6	12.5	11.5	11.7	10.3	10.4	10.0	9.3	38.9	37.7	16.5	18.0
Nebraska.....	11.8	11.0	10.7	10.8	10.2	10.2	10.4	9.2	38.0	38.1	18.7	20.4
Kansas.....	11.3	11.6	10.5	10.5	10.0	10.1	10.1	9.2	37.6	37.0	20.3	22.4
South Atlantic.....	13.6	12.4	12.5	12.5	11.4	11.7	10.6	10.1	35.6	35.7	16.2	17.6
Delaware.....	9.9	10.3	9.5	9.5	9.5	9.1	9.6	8.3	38.9	38.9	22.4	23.7
Maryland.....	10.6	10.1	10.3	9.9	10.0	9.6	9.9	9.0	38.6	38.9	20.5	22.3
District of Columbia.....	8.1	7.0	7.6	6.8	7.4	6.8	8.5	7.7	46.5	48.5	21.5	22.8
Virginia.....	13.0	12.0	12.4	12.3	11.5	11.5	10.5	10.1	35.0	35.4	17.3	18.5
West Virginia.....	13.8	13.4	12.1	12.6	10.7	11.2	10.2	9.7	37.4	35.9	15.5	17.1
North Carolina.....	15.1	14.0	13.4	13.9	12.1	12.5	11.0	10.5	32.6	33.0	15.7	16.0
South Carolina.....	15.1	13.6	13.8	14.0	12.7	13.2	11.4	10.9	33.4	33.8	13.5	14.4
Georgia.....	14.4	12.5	13.3	13.2	12.1	12.6	10.7	10.6	34.7	34.9	14.6	16.0
Florida.....	12.9	10.9	12.1	11.5	10.7	11.0	10.1	9.5	39.0	37.5	14.8	10.4
East South Central.....	13.8	12.2	12.7	12.7	11.5	12.2	10.8	10.2	35.1	34.6	15.9	17.9
Kentucky.....	12.9	12.3	11.9	11.9	11.0	11.0	10.6	9.8	35.7	35.0	17.8	19.9
Tennessee.....	13.5	12.0	12.3	12.2	11.1	11.8	10.9	10.2	35.2	35.0	16.8	18.0
Alabama.....	14.6	12.8	13.3	13.6	11.8	12.8	10.7	10.4	34.4	34.0	14.9	16.4
Mississippi.....	14.4	12.1	13.6	13.2	12.2	13.2	10.9	10.7	34.8	34.3	13.7	16.3
West South Central.....	14.1	11.9	13.1	12.8	11.6	12.0	10.8	10.4	35.8	36.6	14.4	16.3
Arkansas.....	14.7	12.6	13.3	13.0	11.4	12.6	11.0	10.5	34.7	34.4	14.7	16.9
Louisiana.....	13.5	11.6	13.2	12.4	11.7	12.2	10.6	10.5	36.5	37.0	14.2	16.1
Oklahoma.....	14.6	12.5	13.1	12.9	11.2	12.2	10.5	10.3	36.2	35.8	14.1	16.2
Texas.....	13.8	11.4	13.1	12.3	11.7	11.7	10.9	10.5	35.9	37.7	14.5	16.2
Mountain.....	11.6	11.9	10.4	11.2	9.1	10.1	8.9	8.5	42.7	39.1	17.0	18.8
Montana.....	10.2	12.3	9.1	10.9	7.9	9.4	7.9	7.7	47.9	41.0	16.2	18.4
Idaho.....	12.4	12.6	11.1	11.9	9.8	10.8	9.3	8.9	40.8	37.4	16.2	18.3
Wyoming.....	10.5	11.6	8.9	10.7	7.4	9.0	7.3	7.6	51.1	44.4	14.0	16.2
Colorado.....	10.3	10.3	9.5	10.1	8.7	9.5	8.9	8.4	43.0	39.0	19.3	21.9
New Mexico.....	13.8	12.9	12.5	12.9	10.5	11.4	9.9	9.6	37.9	36.0	16.1	17.1
Arizona.....	12.1	12.2	10.7	11.3	8.9	9.8	8.5	8.5	43.8	41.6	15.7	16.2
Utah.....	14.1	13.7	12.3	12.6	10.7	11.5	10.0	9.7	37.4	35.8	15.1	16.7
Nevada.....	7.8	8.7	6.9	8.7	6.0	7.4	6.4	6.4	51.0	44.6	21.2	23.7
Pacific.....	8.6	8.5	7.9	8.7	7.7	8.0	8.5	7.4	45.8	42.0	21.5	25.1
Washington.....	9.5	9.3	8.7	9.5	8.1	8.7	8.7	7.8	45.8	41.6	18.5	22.8
Oregon.....	8.9	9.1	8.5	9.3	8.3	8.8	9.0	8.0	44.1	40.2	20.9	24.4
California.....	8.1	8.0	7.4	8.2	7.3	7.6	8.2	7.1	45.5	42.6	23.1	26.2

No. 19.—RACE, NATIVITY, AND PARENTAGE: PERCENTAGES, BY STATES

Division and State	Per cent of total population						Per cent of white population						
	White			Negro			Native, 1920			Foreign born			
	1900	1910	1920	1900	1910	1920	Total	Native parentage	Foreign parentage	Mixed parentage	1900	1910	1920
Continental United States..	87.9	88.9	89.7	11.8	10.7	9.9	86.5	61.6	16.6	7.4	15.3	16.3	14.5
New England.....	88.8	88.9	88.9	1.1	1.0	1.1	74.4	38.3	26.1	10.1	28.0	28.0	26.6
Maine.....	90.7	90.7	90.7	0.2	0.2	0.2	86.0	64.7	11.3	10.0	13.4	14.9	14.0
New Hampshire.....	90.8	90.8	90.8	0.2	0.1	0.1	79.4	51.0	18.3	10.1	21.4	22.5	20.6
Vermont.....	90.7	90.5	90.8	0.2	0.5	0.2	87.3	64.0	12.0	10.5	13.0	14.1	12.7
Massachusetts.....	98.7	98.8	98.7	1.1	1.1	1.2	71.7	32.4	28.7	10.6	30.3	31.6	28.3
Rhode Island.....	97.8	98.1	98.3	2.1	1.8	1.7	70.8	20.2	30.8	10.8	31.9	33.4	29.2
Connecticut.....	98.2	98.6	98.4	1.7	1.4	1.5	72.3	33.1	31.0	8.2	26.6	29.9	27.7
Middle Atlantic.....	97.8	97.7	97.2	2.1	2.2	2.7	77.3	44.5	24.9	7.9	21.9	25.6	22.7
New York.....	98.4	98.4	97.9	1.4	1.5	1.9	72.6	36.1	28.0	8.6	26.4	30.4	27.4
New Jersey.....	90.2	90.4	90.2	3.7	3.5	3.7	75.7	39.0	27.3	8.5	23.7	26.9	24.3
Pennsylvania.....	97.5	97.4	96.7	2.5	2.5	3.3	83.5	56.3	20.5	6.8	16.0	19.3	16.5
East North Central.....	98.3	98.2	97.5	1.6	1.6	2.4	84.0	56.3	19.3	9.0	16.7	17.1	15.4
Ohio.....	97.7	97.6	96.7	2.3	2.3	3.2	87.8	66.9	15.0	6.9	11.3	12.8	12.2
Indiana.....	97.7	97.7	97.2	2.3	2.2	2.8	94.7	81.8	8.0	5.0	5.8	6.0	5.3
Illinois.....	98.2	98.0	97.1	1.8	1.9	2.8	80.8	48.7	23.3	8.9	20.4	21.8	16.2
Michigan.....	96.1	96.1	95.2	0.7	0.6	1.6	79.8	46.4	21.5	11.9	22.5	21.4	20.2
Wisconsin.....	99.5	99.4	99.4	0.1	0.1	0.2	82.4	40.3	28.1	14.0	25.1	22.1	17.6
West North Central.....	97.3	97.5	97.5	2.3	2.1	2.2	88.8	61.1	17.4	10.2	15.2	14.2	11.2
Minnesota.....	90.2	90.2	90.2	0.3	0.3	0.4	79.5	34.9	20.9	14.6	29.1	26.4	20.5
Iowa.....	99.4	99.3	99.2	0.9	0.7	0.8	90.5	64.0	15.8	10.6	13.8	12.4	6.5
Missouri.....	94.3	95.2	94.7	5.2	4.8	5.2	94.2	78.7	9.3	6.3	7.3	7.3	5.8
North Dakota.....	97.7	98.8	98.0	0.1	0.1	0.1	79.5	32.5	31.9	15.1	30.1	27.4	20.5
South Dakota.....	94.8	96.6	97.3	0.1	0.1	0.1	80.7	46.8	22.8	14.0	33.2	17.8	13.3
Nebraska.....	90.1	90.0	98.7	0.6	0.6	1.0	88.3	59.2	18.1	11.0	16.8	14.9	11.7
Kansas.....	96.3	96.7	96.6	3.5	3.2	3.3	93.5	76.6	9.0	7.3	8.9	8.3	6.5
South Atlantic.....	64.2	66.2	69.0	55.7	33.7	30.9	96.7	91.0	8.7	2.1	3.1	3.6	3.3
Delaware.....	83.4	84.6	86.4	16.6	15.4	13.6	89.7	75.0	12.1	5.0	8.9	10.2	10.3
Maryland.....	80.2	82.0	83.1	19.8	17.9	16.9	91.5	74.1	11.0	5.5	9.8	9.8	8.5
Dist. of Columbia.....	68.7	71.3	74.7	31.1	28.5	25.1	91.3	73.3	10.7	7.2	10.2	10.3	6.7
Virginia.....	64.3	67.4	70.1	35.0	32.6	30.0	94.8	89.5	1.9	1.9	1.0	1.9	1.9
West Virginia.....	95.5	94.7	94.1	4.5	5.3	5.9	95.5	89.5	6.0	1.4	2.4	4.9	4.5
North Carolina.....	66.7	68.0	69.7	33.0	31.6	29.8	99.6	99.0	0.8	0.3	0.3	0.4	0.4
South Carolina.....	41.0	44.8	48.6	58.4	55.2	51.4	99.2	97.7	0.9	0.7	1.0	0.9	0.8
Georgia.....	53.3	54.9	58.3	46.7	45.1	41.7	99.0	97.3	1.0	0.8	1.0	1.1	1.0
Florida.....	56.3	58.9	65.9	43.7	41.0	34.0	93.3	83.4	8.6	4.2	6.5	7.6	6.7
East South Central.....	66.8	68.4	71.6	33.1	31.5	28.4	98.9	95.7	1.8	1.4	1.8	1.5	1.1
Kentucky.....	80.7	88.6	90.2	13.3	11.4	9.8	98.6	93.5	3.0	2.1	2.7	2.0	1.4
Tennessee.....	76.2	78.3	80.7	23.8	21.7	19.3	98.2	97.2	1.1	0.9	1.1	1.1	0.8
Alabama.....	54.7	57.5	61.6	42.5	42.5	38.4	98.8	96.3	1.4	1.1	1.4	1.5	1.2
Mississippi.....	41.3	43.7	47.7	58.5	56.2	52.2	99.1	96.8	1.1	1.1	1.2	1.2	0.9
West South Central.....	73.0	76.5	78.2	25.9	22.6	20.1	94.3	85.8	5.1	3.5	5.5	5.2	5.7
Arkansas.....	72.0	71.8	73.0	28.0	28.1	27.0	98.9	95.9	1.5	1.6	1.5	1.5	1.1
Louisiana.....	52.8	56.8	61.0	47.1	43.1	38.9	95.9	85.9	6.1	3.9	7.1	5.5	4.1
Oklahoma.....	84.8	87.2	89.8	7.0	8.3	7.4	97.8	92.2	2.9	2.7	3.0	2.8	2.2
Texas.....	79.6	82.2	84.0	20.4	17.7	15.9	90.8	79.4	7.1	4.3	7.3	7.5	6.2
Mountain.....	94.3	95.7	96.3	0.9	0.8	0.9	85.9	62.3	14.0	6.5	18.3	17.3	14.1
Montana.....	93.0	96.9	97.2	0.6	0.5	0.3	82.5	51.6	19.1	11.8	27.6	25.4	17.5
Idaho.....	95.5	98.0	98.6	0.2	0.2	0.2	90.8	69.1	11.3	10.5	14.2	12.7	9.2
Wyoming.....	96.2	96.1	97.8	1.0	1.5	0.7	86.7	64.5	13.3	8.8	18.6	19.3	13.3
Colorado.....	98.0	98.0	98.3	1.6	1.4	1.2	87.3	65.3	14.1	8.0	17.1	16.2	12.7
New Mexico.....	92.3	93.1	92.9	0.8	0.5	1.6	91.3	81.7	5.6	4.0	7.4	7.4	8.7
Arizona.....	75.6	83.9	87.2	1.5	1.0	2.4	73.2	51.9	13.0	7.8	24.1	27.3	26.8
Utah.....	98.5	98.2	98.3	0.2	0.3	0.3	87.2	55.6	17.2	14.4	19.4	17.3	12.8
Nevada.....	83.6	90.7	91.3	0.3	0.6	0.4	79.1	51.3	16.6	11.2	24.2	24.2	20.9
Pacific.....	94.9	96.0	96.2	0.6	0.7	0.9	80.7	53.9	16.5	10.2	20.6	21.4	13.3
Washington.....	95.8	97.1	97.3	0.5	0.5	0.5	81.1	53.9	16.3	10.9	20.6	21.7	18.9
Oregon.....	95.4	97.4	98.2	0.3	0.2	0.3	80.7	64.7	12.5	9.5	13.7	15.7	13.3
California.....	94.5	95.0	95.3	0.7	0.9	1.1	79.1	51.4	17.6	10.1	22.6	22.9	20.9

¹ Includes population of Indian Territory for 1900.

Source: Bureau of the Census, Department of Commerce.

No. 20.—PERSONS 21 YEARS OF AGE AND OVER, BY CLASSES AND

Division and State	Persons 21 years of age and over						
	All classes			Native white			
	Total	Male	Female	Total		Native parentage	
				Male	Female	Male	Female
Continental United States.	60,866,520	31,463,370	29,463,150	21,513,048	21,100,793	16,805,063	15,202,194
New England.	4,591,477	2,269,655	2,321,822	1,373,641	1,458,696	941,967	873,707
Maine	475,191	241,778	233,413	191,540	187,816	156,580	163,041
New Hampshire	281,020	141,204	139,822	98,448	100,033	73,113	73,232
Vermont	217,042	110,378	106,064	89,697	88,745	68,251	66,884
Massachusetts	2,411,507	1,172,359	1,239,149	663,262	726,179	360,244	389,517
Rhode Island	368,037	179,270	188,917	97,955	106,061	49,559	52,202
Connecticut	838,074	424,210	413,853	231,739	246,962	134,210	138,831
Middle Atlantic.	13,451,656	6,802,663	6,646,993	4,173,531	4,376,445	3,701,397	3,771,534
New York	6,514,631	3,255,503	3,259,178	1,868,523	1,974,329	1,056,138	1,036,508
New Jersey	1,807,884	900,837	937,047	561,055	584,451	344,005	350,444
Pennsylvania	5,039,091	2,536,323	2,452,768	1,733,043	1,817,065	1,301,054	1,334,582
East North Central.	13,026,595	6,777,790	6,247,805	4,334,366	4,791,330	3,247,231	3,109,308
Ohio	3,563,481	1,847,319	1,711,162	1,411,920	1,395,954	1,008,943	1,031,366
Indiana	1,779,320	900,203	870,417	707,256	787,820	674,607	661,368
Illinois	3,944,197	2,028,852	1,916,345	1,344,311	1,350,358	822,102	797,375
Michigan	2,215,436	1,192,158	1,023,278	781,637	722,970	467,192	416,493
Wisconsin	1,527,861	800,258	727,403	539,534	534,328	214,387	202,706
West North Central.	7,278,543	3,860,137	3,472,411	2,955,333	2,621,042	1,835,663	1,823,521
Minnesota	1,380,834	738,332	642,502	465,001	441,809	174,681	157,617
Iowa	1,428,682	737,829	690,353	609,085	591,995	397,210	381,037
Missouri	2,038,314	1,038,472	1,000,342	877,138	866,175	699,238	677,197
North Dakota	322,918	178,148	144,770	100,124	92,221	42,011	35,090
South Dakota	344,846	185,882	155,964	138,706	118,829	72,230	59,982
Nebraska	733,310	390,287	348,023	303,680	282,073	191,206	174,983
Kansas	1,024,144	534,187	480,957	456,139	428,840	359,087	337,615
South Atlantic.	7,212,523	3,646,704	3,565,819	2,420,351	2,385,209	2,269,847	2,226,893
Delaware	136,521	70,530	65,941	50,261	49,863	42,726	41,742
Maryland	862,391	433,857	428,334	310,049	316,330	251,107	252,535
District of Columbia	305,255	139,800	165,455	91,359	113,445	79,134	90,647
Virginia	1,207,074	613,053	593,421	419,652	407,620	404,200	394,296
West Virginia	252,344	126,572	124,772	335,192	310,449	317,118	282,693
North Carolina	1,210,727	603,633	607,044	429,840	426,727	426,600	423,513
South Carolina	773,991	389,199	390,792	201,633	195,172	197,542	191,279
Georgia	1,421,606	711,760	709,846	410,440	411,733	409,711	402,543
Florida	530,614	280,600	256,014	192,875	153,871	147,269	137,645
East South Central.	4,523,944	2,292,653	2,241,291	1,608,459	1,564,958	1,536,840	1,488,143
Kentucky	1,280,493	657,883	631,013	567,894	548,143	520,442	500,910
Tennessee	1,214,947	609,547	605,400	480,387	475,038	467,349	461,749
Alabama	1,143,395	573,392	569,593	348,008	337,918	338,268	327,816
Mississippi	876,105	441,331	434,775	210,470	203,859	204,581	197,665
West South Central.	5,243,779	2,756,430	2,487,349	1,994,472	1,802,361	1,802,048	1,621,833
Arkansas	867,292	452,177	416,115	319,949	291,788	306,174	280,307
Louisiana	924,184	469,609	454,515	265,526	257,263	233,307	220,012
Oklahoma	1,021,558	550,172	471,416	474,735	410,010	440,096	380,973
Texas	2,439,715	1,234,412	1,146,303	934,292	843,290	822,471	740,541
Mountain.	1,888,021	1,037,393	831,553	770,069	651,790	563,726	456,346
Montana	320,552	184,099	135,803	125,276	101,079	79,834	61,595
Idaho	234,076	132,959	101,117	106,890	86,928	70,381	61,768
Wyoming	115,739	60,857	45,882	61,871	37,754	38,944	27,369
Colorado	564,323	303,782	260,747	235,639	213,142	180,292	158,047
New Mexico	135,139	102,522	82,064	80,032	69,142	72,260	62,363
Arizona	137,929	100,361	78,663	61,327	47,329	47,402	35,439
Utah	228,682	120,375	107,807	88,506	82,779	45,436	41,397
Nevada	52,218	33,313	13,905	20,338	13,637	13,177	8,338
Pacific.	3,670,977	2,093,970	1,666,107	1,335,516	1,249,472	916,854	830,910
Washington	857,079	422,137	374,942	322,456	279,632	220,779	185,765
Oregon	494,968	270,953	224,015	205,722	185,001	153,332	135,123
California	2,318,930	1,250,880	1,067,150	807,338	784,839	542,743	510,022

Source: Bureau of the Census, Department of Commerce.

SEX, AND MALES 18 TO 44 YEARS OF AGE: BY STATES, 1920

Persons 21 years of age and over—Continued								Males 18 to 44 years of age	Division and State
Native white—Con.		Foreign-born white		Negro		All other			
Foreign or mixed parentage		Male	Female	Male	Female	Male	Female		
Male	Female								
5,708,885	5,898,590	6,028,452	5,570,268	2,782,006	2,730,469	168,984	61,620	22,401,211	U. S.
530,684	582,989	866,042	830,249	27,128	26,187	3,844	600	1,538,294	N. E.
34,960	34,775	49,355	44,974	492	384	361	239	148,430	Me.
25,335	26,801	42,432	39,617	229	159	95	13	80,923	N. H.
21,446	21,861	20,462	17,770	108	144	21	5	60,736	Vt.
303,018	336,062	401,107	407,806	15,550	14,892	2,440	301	807,898	Mass.
48,396	54,759	78,118	78,748	3,396	3,158	251	50	125,465	R. I.
97,520	108,131	134,568	160,334	7,203	6,480	646	82	299,002	Conn.
1,472,124	1,604,911	2,406,975	2,070,777	209,907	199,584	12,260	2,237	4,863,850	M. A.
803,385	887,821	1,318,883	1,209,614	69,259	73,285	8,838	1,050	2,313,807	N. Y.
216,450	234,007	360,002	314,320	37,511	38,160	1,399	116	697,019	N. J.
452,289	483,083	727,190	640,843	103,137	88,089	2,063	171	1,853,104	Pa.
1,687,765	1,682,622	1,687,798	1,290,847	165,361	169,960	9,695	4,068	4,760,165	E. N. C.
842,077	904,698	863,504	250,010	70,853	56,987	1,042	102	1,296,399	Ohio.
122,049	126,452	82,003	67,405	28,651	25,284	888	48	602,708	Ind.
522,217	552,083	613,797	504,131	67,846	60,604	2,890	252	1,449,872	Ill.
314,745	306,477	381,808	281,352	26,837	27,520	2,526	1,436	854,578	Mich.
385,107	332,122	245,711	188,880	2,144	1,465	2,849	2,230	555,618	Wis.
1,020,870	986,421	738,673	553,121	69,601	86,174	11,840	9,174	2,651,768	W. N. C.
290,420	284,192	269,856	195,726	3,838	2,828	2,637	2,139	526,632	Minn.
211,875	210,958	121,392	98,087	6,939	5,629	413	142	501,040	Iowa.
177,000	185,978	97,345	70,208	63,452	57,376	537	85	705,038	Mo.
64,113	67,131	70,043	61,064	207	129	1,774	1,416	133,575	N. Dak.
66,536	58,847	45,840	32,087	315	205	4,461	4,243	140,030	S. Dak.
112,474	107,090	79,821	61,078	5,378	4,069	1,408	813	279,150	Nebr.
97,052	91,226	67,876	43,338	19,562	17,448	610	336	365,408	Kans.
160,704	158,318	170,407	116,808	1,051,012	1,060,940	4,934	2,862	2,724,140	S. A.
7,535	8,111	10,614	7,631	9,657	8,456	48	1	45,236	Del.
58,852	63,804	50,363	43,261	73,086	68,905	359	29	309,676	Md.
18,225	22,798	14,042	12,334	33,822	30,626	577	60	102,670	D. C.
16,362	13,324	17,431	10,420	176,036	175,106	534	186	454,990	Va.
18,074	17,750	38,471	16,994	29,820	21,319	53	10	305,095	N. Va.
3,180	3,214	4,035	2,453	107,240	176,516	2,568	2,343	556,568	W. C.
4,141	3,893	3,850	2,091	183,474	193,456	192	73	306,292	S. C.
9,729	9,190	9,319	5,536	282,779	292,551	222	26	642,136	Ga.
15,606	16,226	22,282	16,088	95,092	85,916	351	139	197,886	Fla.
69,819	76,816	39,697	27,545	635,653	648,418	844	372	1,657,670	E. S. C.
41,452	47,233	16,827	12,661	73,091	70,790	71	19	409,119	Ky.
12,738	13,289	8,428	5,891	120,947	124,448	85	23	438,225	Tenn.
9,740	10,163	9,814	6,291	215,915	225,215	165	79	423,075	Ala.
5,889	6,191	4,028	2,702	225,700	227,963	533	251	327,261	Miss.
192,424	180,618	208,431	148,789	538,727	623,517	14,800	12,692	2,103,428	W. S. C.
13,775	11,481	8,160	5,000	123,939	118,296	123	82	330,492	Ark.
32,219	37,251	24,848	16,380	178,623	180,628	672	244	362,226	La.
34,639	29,037	22,817	13,291	40,110	36,221	12,510	11,894	414,772	Okla.
111,791	102,749	162,600	114,118	199,055	188,373	1,495	522	995,938	Tex.
216,343	195,444	241,321	152,687	16,072	7,809	29,908	19,267	765,704	Mt.
45,442	39,484	34,250	31,450	754	508	4,419	2,817	132,569	Mont.
30,509	25,160	23,306	12,804	403	236	2,240	1,149	95,705	Idaho.
12,927	10,355	15,796	7,261	678	387	1,512	480	54,037	Wyo.
55,347	55,095	62,089	42,928	4,237	3,869	1,817	808	209,979	Colo.
7,822	6,779	13,244	8,680	4,045	763	5,150	4,070	76,548	N. Mex.
13,925	11,890	33,582	22,391	5,075	1,484	9,377	7,394	84,965	Ariz.
43,160	41,382	38,791	23,403	652	452	2,836	1,113	92,045	Utah.
7,211	5,209	10,203	3,692	167	110	2,555	1,466	22,256	Nev.
418,682	418,562	589,178	370,445	18,435	15,932	80,841	80,258	1,338,103	Pac.
101,677	93,867	143,263	87,177	3,105	2,103	13,318	6,030	329,067	Wash.
52,390	49,878	68,580	36,227	937	683	5,714	2,104	179,038	Oreg.
264,595	274,817	367,340	247,041	14,393	13,146	61,800	22,124	829,998	Calif.

**No. 21.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER:
 BY SEX, RACE, AND NATIVITY, CONTINENTAL UNITED STATES**

NOTE.—The number divorced is considered to be understated

Class	Males 15 years and over				Females 15 years and over			
	Number		Per cent		Number		Per cent	
	1910	1920	1910	1920	1910	1920	1910	1920
All classes	32,426,805	36,920,663	100.0	100.0	30,047,995	35,177,515	100.0	100.0
Single.....	12,550,129	12,967,565	38.7	35.1	8,933,170	9,616,902	29.7	27.3
Married.....	18,002,300	21,849,266	55.8	59.2	17,084,687	21,318,933	58.9	60.6
Widowed.....	1,471,300	1,752,303	4.5	4.8	3,176,228	3,917,625	10.6	11.1
Divorced.....	156,162	236,284	0.5	0.6	185,068	273,304	0.6	0.8
Unknown.....	156,524	110,240	0.5	0.3	68,172	50,751	0.2	0.1
White	29,158,125	33,836,586	100.0	100.0	26,837,937	31,654,841	100.0	100.0
Single.....	11,300,282	11,782,666	39.0	35.3	8,091,249	8,772,732	30.1	27.7
Married.....	16,283,940	19,698,113	55.7	59.1	15,852,011	19,210,238	59.0	60.7
Widowed.....	1,274,385	1,549,164	4.4	4.6	2,705,990	3,399,662	10.1	10.7
Divorced.....	135,203	207,663	0.5	0.6	150,801	228,563	0.6	0.7
Unknown.....	134,312	97,981	0.5	0.3	67,286	43,644	0.2	0.1
Native white, total	22,019,232	26,093,047	100.0	100.0	21,411,081	25,740,356	100.0	100.0
Single.....	9,091,366	9,927,618	41.3	38.1	7,097,139	7,930,933	33.1	30.3
Married.....	11,821,805	14,795,171	53.7	56.7	12,228,008	15,086,735	57.1	58.6
Widowed.....	889,062	1,111,115	4.0	4.3	1,905,878	2,480,407	8.9	9.6
Divorced.....	112,144	175,713	0.5	0.7	130,259	200,909	0.6	0.8
Unknown.....	103,255	73,430	0.5	0.3	49,747	35,872	0.2	0.1
Native white, native parentage	16,233,095	19,092,107	100.0	100.0	15,523,990	18,529,749	100.0	100.0
Single.....	6,186,324	6,776,518	38.1	35.5	4,644,122	5,268,490	29.9	28.4
Married.....	9,144,090	11,244,289	56.3	58.9	9,219,385	11,195,865	60.4	60.4
Widowed.....	728,883	874,821	4.5	4.6	1,523,560	1,895,000	9.8	10.2
Divorced.....	87,456	134,789	0.5	0.7	100,053	152,743	0.6	0.8
Unknown.....	87,333	61,690	0.5	0.3	36,780	27,650	0.2	0.1
Native white, foreign parentage	4,059,778	4,792,911	100.0	100.0	4,092,572	4,806,547	100.0	100.0
Single.....	1,989,127	2,141,310	49.0	44.7	1,660,120	1,791,271	40.6	36.5
Married.....	1,926,075	2,445,291	47.4	51.0	2,128,165	2,648,064	52.0	54.0
Widowed.....	117,046	171,612	2.9	3.6	276,348	431,821	6.8	8.8
Divorced.....	16,471	26,107	0.4	0.5	18,987	29,535	0.5	0.6
Unknown.....	11,059	8,601	0.3	0.2	8,952	5,866	0.2	0.1
Native white, mixed parentage	1,725,359	2,138,029	100.0	100.0	1,794,559	2,304,561	100.0	100.0
Single.....	616,915	1,009,790	53.1	45.9	792,897	877,172	44.2	38.1
Married.....	751,631	1,105,591	43.0	50.3	880,458	1,242,816	49.1	52.0
Widowed.....	43,733	64,082	2.5	2.9	105,070	163,686	5.9	7.1
Divorced.....	8,217	14,727	0.5	0.7	11,219	18,631	0.6	0.8
Unknown.....	4,863	3,239	0.3	0.1	4,015	2,356	0.2	0.1
Foreign-born white	7,139,893	7,252,539	100.0	100.0	5,446,306	5,913,985	100.0	100.0
Single.....	2,268,916	1,855,047	31.8	25.6	994,110	835,709	18.3	14.1
Married.....	4,432,135	4,902,942	62.1	67.6	3,624,003	4,123,503	66.5	69.7
Widowed.....	384,726	438,049	5.4	6.0	800,112	919,265	14.7	15.5
Divorced.....	23,059	31,950	0.3	0.4	20,542	27,656	0.4	0.5
Unknown.....	31,057	24,561	0.4	0.3	7,539	7,772	0.1	0.1
Negro	3,059,312	3,393,211	100.0	100.0	3,103,344	3,423,100	100.0	100.0
Single.....	1,083,472	1,104,877	35.4	32.6	823,996	825,258	26.6	24.1
Married.....	1,749,228	2,050,407	57.2	60.4	1,775,949	2,039,181	57.2	59.6
Widowed.....	180,970	200,734	6.2	5.9	459,331	507,901	14.8	14.8
Divorced.....	20,146	26,689	0.7	0.8	33,286	43,871	1.1	1.3
Unknown.....	16,496	10,504	0.5	0.3	10,282	6,820	0.3	0.2
Indian	80,383	76,321	100.0	100.0	78,982	70,431	100.0	100.0
Single.....	27,391	26,450	34.1	34.7	10,324	16,238	21.2	23.1
Married.....	46,154	43,095	57.4	55.5	49,095	43,923	63.8	62.4
Widowed.....	5,310	5,711	6.6	7.5	10,071	9,217	13.1	13.1
Divorced.....	679	950	0.8	0.9	959	826	1.2	1.2
Unknown.....	840	385	1.0	0.5	333	227	0.7	0.3
Chinese, Japanese, and all other	127,986	115,545	100.0	100.0	9,662	29,143	100.0	100.0
Single.....	78,984	53,573	61.7	46.4	1,601	2,674	16.6	9.2
Married.....	43,278	57,661	33.8	49.9	7,632	25,591	79.0	87.8
Widowed.....	1,713	2,609	1.3	2.3	336	785	3.5	2.7
Divorced.....	134	252	0.1	0.2	22	42	0.2	0.1
Unknown.....	3,876	1,370	3.0	1.2	71	51	0.7	0.2

Source: Bureau of the Census, Department of Commerce

No. 22.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER,
BY MAJOR CLASSES AND SEX; BY GEOGRAPHIC DIVISIONS, 1920

NOTE.—The number divorced is considered to be understated. For marital condition of total population of each division see Table 24

Division and marital condition	Native white				Foreign-born white		Negro	
	Native parentage		Foreign or mixed parentage		Number	Per cent	Number	Per cent
	Number	Per cent	Number	Per cent				
UNITED STATES (cont'l)								
Males.....	10,092,107	100.0	8,990,940	100.0	7,252,539	100.0	3,393,211	100.0
Single.....	6,776,518	35.5	3,151,100	45.1	1,855,047	25.6	1,104,877	32.6
Married.....	11,244,289	58.9	3,550,882	50.8	4,902,942	67.6	2,050,407	60.4
Widowed.....	874,821	4.0	236,294	3.4	438,049	6.0	200,734	5.9
Divorced.....	134,789	0.7	40,924	0.6	31,950	0.4	26,689	0.8
Unknown.....	61,690	0.3	11,740	0.2	24,551	0.3	10,504	0.3
Females.....	18,528,748	100.0	7,211,108	100.0	5,913,985	100.0	3,423,100	100.0
Single.....	5,268,490	28.4	2,668,443	37.0	835,799	14.1	828,258	24.1
Married.....	11,195,865	60.4	3,890,370	54.0	4,123,503	69.7	2,039,181	59.6
Widowed.....	1,885,000	10.2	695,407	8.3	919,255	15.5	507,961	14.8
Divorced.....	152,743	0.8	48,166	0.7	27,650	0.5	43,871	1.3
Unknown.....	27,660	0.1	8,222	0.1	7,772	0.1	6,829	0.2
NEW ENGLAND								
Males.....	972,911	100.0	666,851	100.0	609,765	100.0	30,498	100.0
Single.....	331,847	34.1	374,281	53.7	216,041	23.7	11,870	38.9
Married.....	539,103	58.5	287,366	42.7	636,924	70.0	16,732	54.9
Widowed.....	60,870	6.3	21,697	3.1	53,046	5.8	1,691	5.2
Divorced.....	8,897	0.9	2,691	0.4	2,590	0.3	215	0.7
Unknown.....	2,194	0.2	816	0.1	1,158	0.1	90	0.3
Females.....	1,008,255	100.0	760,461	100.0	888,754	100.0	28,868	100.0
Single.....	320,837	31.9	371,256	49.1	160,504	18.1	7,833	27.1
Married.....	534,679	53.1	331,003	43.8	603,268	67.9	16,954	56.3
Widowed.....	139,246	13.8	50,003	6.6	120,992	13.6	4,732	16.4
Divorced.....	10,339	1.0	3,548	0.5	3,253	0.4	287	1.0
Unknown.....	1,164	0.1	641	0.1	732	0.1	47	0.2
MIDDLE ATLANTIC								
Males.....	3,210,560	100.0	1,873,841	100.0	2,530,225	100.0	235,674	100.0
Single.....	1,175,331	36.6	914,692	48.8	605,712	23.9	85,397	36.2
Married.....	1,852,462	57.7	884,508	47.2	1,780,343	70.4	136,401	57.9
Widowed.....	159,676	5.0	66,587	3.6	130,220	5.1	11,815	5.0
Divorced.....	13,922	0.4	4,080	0.2	4,216	0.2	827	0.4
Unknown.....	9,169	0.3	3,374	0.2	6,734	0.4	1,174	0.5
Females.....	3,232,690	100.0	2,023,534	100.0	2,208,635	100.0	229,987	100.0
Single.....	1,057,617	32.1	844,769	41.7	348,395	15.8	59,219	25.7
Married.....	1,852,408	56.3	987,130	48.8	1,541,376	69.8	135,197	58.8
Widowed.....	301,294	11.0	182,908	9.0	310,281	14.0	34,007	14.8
Divorced.....	17,108	0.5	6,134	0.3	4,919	0.2	1,190	0.5
Unknown.....	4,263	0.1	2,593	0.1	3,064	0.1	374	0.2
EAST NORTH CENTRAL								
Males.....	3,908,456	100.0	1,953,028	100.0	1,753,645	100.0	218,760	100.0
Single.....	1,396,227	35.7	806,506	41.3	419,937	23.9	76,969	35.2
Married.....	2,290,648	58.0	1,064,703	54.5	1,207,992	68.8	125,254	57.3
Widowed.....	175,973	4.5	65,860	3.4	112,897	6.4	13,075	6.0
Divorced.....	36,429	0.9	13,030	0.7	9,551	0.5	2,887	1.3
Unknown.....	9,179	0.2	2,939	0.2	4,168	0.2	575	0.3
Females.....	3,770,085	100.0	2,002,374	100.0	1,359,107	100.0	185,274	100.0
Single.....	1,068,181	28.3	605,130	30.2	148,405	10.9	33,781	18.2
Married.....	2,202,068	60.8	1,156,234	57.7	974,174	71.7	119,004	64.6
Widowed.....	365,386	9.7	163,530	8.2	226,814	16.7	28,667	15.5
Divorced.....	38,786	1.0	15,280	0.8	7,998	0.6	2,931	1.6
Unknown.....	5,674	0.2	2,191	0.1	1,776	0.1	301	0.2
WEST NORTH CENTRAL								
Males.....	2,367,289	100.0	1,225,560	100.0	761,080	100.0	112,538	100.0
Single.....	874,598	36.9	535,668	43.7	178,443	23.4	38,637	34.3
Married.....	1,334,601	57.6	646,061	52.7	514,637	67.6	63,551	56.5
Widowed.....	100,946	4.3	34,764	2.8	61,796	8.1	1,759	7.3
Divorced.....	19,004	0.8	6,412	0.5	4,242	0.6	1,162	1.0
Unknown.....	8,140	0.3	2,655	0.2	1,962	0.3	429	0.4
Females.....	2,263,984	100.0	1,206,290	100.0	875,368	100.0	102,372	100.0
Single.....	656,392	29.0	414,557	34.4	56,197	9.8	20,548	20.1
Married.....	1,379,396	60.9	702,907	58.3	404,122	70.2	62,061	60.6
Widowed.....	202,817	9.0	79,244	6.6	110,643	12.6	17,465	17.1
Divorced.....	21,270	0.9	7,790	0.6	3,466	0.6	2,062	2.0
Unknown.....	4,089	0.2	1,692	0.1	940	0.2	236	0.2

No. 22.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY MAJOR CLASSES AND SEX: BY GEOGRAPHIC DIVISIONS, 1920—Continued

Division and marital condition	Native white				Foreign-born white		Negro	
	Native parentage		Foreign or mixed parentage		Number	Per cent	Number	Per cent
	Number	Per cent	Number	Per cent				
SOUTH ATLANTIC								
Males	2,783,077	100.0	179,697	100.0	179,095	100.0	1,311,284	100.0
Single.....	972,859	35.0	74,980	41.7	84,376	30.4	433,651	33.1
Married.....	1,078,200	60.3	95,611	53.2	113,408	63.4	795,982	60.7
Widowed.....	116,616	4.2	7,948	4.4	10,063	5.6	72,281	5.5
Divorced.....	9,290	0.3	943	0.5	594	0.3	5,415	0.4
Unknown.....	6,052	0.2	209	0.1	594	0.3	3,935	0.3
Females	2,745,420	100.0	186,752	100.0	124,860	100.0	1,861,103	100.0
Single.....	783,803	28.5	63,953	34.4	17,911	14.3	355,986	20.2
Married.....	1,069,800	60.8	98,424	53.0	80,322	64.1	797,273	58.0
Widowed.....	275,545	10.0	22,188	11.9	20,054	16.1	195,668	14.4
Divorced.....	12,149	0.4	1,055	0.6	422	0.3	9,465	0.7
Unknown.....	4,123	0.2	132	0.1	151	0.1	2,711	0.2
EAST SOUTH CENTRAL								
Males	1,898,799	100.0	77,624	100.0	41,082	100.0	782,683	100.0
Single.....	621,430	32.8	26,448	34.0	9,531	23.2	236,391	30.2
Married.....	1,180,367	62.2	46,791	60.1	27,538	67.1	486,794	62.2
Widowed.....	84,210	4.4	3,956	5.1	3,694	9.0	50,380	6.4
Divorced.....	7,611	0.4	541	0.7	213	0.5	6,887	0.9
Unknown.....	3,181	0.2	88	0.1	86	0.2	2,211	0.3
Females	1,858,996	100.0	85,036	100.0	28,860	100.0	821,483	100.0
Single.....	484,438	26.1	25,804	30.3	3,654	12.7	192,268	23.4
Married.....	1,174,207	63.2	46,844	54.5	17,907	62.0	486,417	59.2
Widowed.....	187,356	10.1	12,180	14.3	7,119	24.7	127,985	15.6
Divorced.....	10,955	0.6	616	0.8	133	0.5	13,176	1.6
Unknown.....	2,040	0.1	62	0.1	47	0.2	1,637	0.2
WEST SOUTH CENTRAL								
Males	2,227,731	100.0	233,688	100.0	231,050	100.0	664,084	100.0
Single.....	771,816	34.6	92,425	39.6	70,114	30.3	204,318	30.8
Married.....	1,336,835	60.0	129,959	55.6	141,822	61.4	408,050	61.4
Widowed.....	97,489	4.4	9,355	4.0	16,043	7.2	41,458	6.2
Divorced.....	12,251	0.5	1,522	0.7	1,043	0.5	7,904	1.2
Unknown.....	9,340	0.4	447	0.2	1,428	0.6	1,869	0.3
Females	2,054,846	100.0	221,627	100.0	170,398	100.0	667,340	100.0
Single.....	515,544	25.1	66,938	29.8	29,519	17.3	151,058	22.6
Married.....	1,331,436	64.8	130,912	60.1	109,951	64.5	406,214	60.9
Widowed.....	189,767	9.2	22,805	10.3	30,011	17.6	94,624	14.2
Divorced.....	14,517	0.7	1,700	0.8	826	0.5	13,980	2.1
Unknown.....	3,582	0.2	272	0.1	231	0.2	1,464	0.2
MOUNTAIN								
Males	663,674	100.0	258,172	100.0	254,224	100.0	17,457	100.0
Single.....	249,428	37.6	109,906	41.4	88,352	34.8	9,724	55.7
Married.....	370,161	55.8	139,250	53.9	147,673	58.1	6,011	37.9
Widowed.....	29,378	4.4	8,821	3.4	14,852	5.8	756	4.3
Divorced.....	7,871	1.2	2,824	1.1	2,231	0.9	277	1.6
Unknown.....	6,836	1.0	371	0.1	1,116	0.4	89	0.5
Females	564,785	100.0	236,849	100.0	165,408	100.0	8,799	100.0
Single.....	143,474	25.4	66,753	27.8	18,424	11.1	1,383	15.7
Married.....	364,567	64.5	150,620	63.6	117,521	71.1	5,465	64.2
Widowed.....	48,411	8.6	17,626	7.4	27,816	16.8	1,513	17.2
Divorced.....	6,902	1.2	2,748	1.2	1,417	0.9	236	2.7
Unknown.....	1,431	0.3	202	0.1	228	0.1	22	0.3
PACIFIC								
Males	1,081,620	100.0	492,279	100.0	592,393	100.0	20,273	100.0
Single.....	382,982	36.1	219,188	44.5	212,541	35.9	7,420	36.6
Married.....	601,862	56.7	246,633	50.1	333,445	56.3	11,032	54.4
Widowed.....	49,663	4.7	17,336	3.5	34,838	5.9	1,214	6.0
Divorced.....	19,514	1.8	3,281	1.7	7,294	1.2	465	2.3
Unknown.....	7,599	0.7	841	0.2	4,305	0.7	142	0.7
Females	872,707	100.0	499,185	100.0	392,437	100.0	17,889	100.0
Single.....	238,204	24.5	151,183	30.7	52,790	13.5	3,182	17.8
Married.....	597,314	71.4	287,296	58.3	268,362	68.4	10,816	60.5
Widowed.....	115,178	11.8	46,023	9.1	65,525	16.7	3,310	18.5
Divorced.....	20,717	2.1	9,256	1.9	5,217	1.3	544	3.0
Unknown.....	1,294	0.1	437	0.1	543	0.1	37	0.2

Source: Bureau of the Census, Department of Commerce.

No. 23.—MARITAL CONDITION OF WHITE AND NEGRO PERSONS 15 YEARS OF AGE AND OVER: FOR EACH GEOGRAPHIC DIVISION AND FOR EACH STATE HAVING A NEGRO POPULATION OF OVER 5 PER CENT OF THE TOTAL, 1920

NOTE.—The small number unknown is not shown separately but included in the total. The number divorced is considered to be understated. For marital condition of white and negro population in the United States as a whole, see Table 21

Division and State	Male					Female				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
WHITE										
New England.....	2,579,827	922,169	1,503,393	135,613	14,184	2,651,460	852,597	1,469,950	310,241	17,145
Middle Atlantic.....	7,614,616	2,695,735	4,517,303	356,483	22,616	7,824,759	2,250,781	4,391,414	894,493	28,161
East North Central.....	7,615,192	2,622,670	4,562,443	354,720	59,010	7,131,626	1,881,716	4,422,406	765,730	62,073
West North Central.....	4,353,929	1,588,709	2,525,299	197,506	29,656	4,045,622	1,127,246	2,486,425	392,704	32,528
Missouri.....	1,144,084	381,364	693,383	57,400	8,914	1,119,217	294,063	685,064	127,709	10,460
South Atlantic.....	3,141,869	1,102,221	1,887,339	134,627	10,827	3,058,032	865,667	1,854,546	317,787	13,626
Delaware.....	70,263	23,460	42,083	3,495	266	66,875	17,204	41,470	7,716	317
Maryland.....	425,508	138,034	248,705	21,250	2,014	423,286	125,428	245,300	49,946	2,226
Dist. of Columbia.....	119,472	47,279	65,634	5,222	672	141,971	57,067	64,878	18,707	1,049
Virginia.....	554,210	197,003	312,353	22,109	1,614	510,912	149,699	306,858	51,631	2,265
West Virginia.....	452,863	150,801	272,142	18,116	2,120	405,240	104,668	263,150	34,205	2,362
North Carolina.....	538,513	183,375	351,069	21,072	1,820	536,462	165,897	328,200	49,882	1,302
South Carolina.....	264,087	91,318	151,810	10,843	242	246,451	71,126	140,402	26,199	387
Georgia.....	528,044	176,539	327,534	21,695	1,576	520,175	137,769	323,144	56,451	2,358
Florida.....	218,908	70,862	134,809	11,325	1,289	204,660	46,800	132,144	24,050	1,360
East South Central.....	2,015,958	667,409	1,264,698	91,860	8,366	1,972,892	513,898	1,238,458	208,655	11,734
Kentucky.....	709,888	231,735	438,622	34,623	3,820	686,568	176,976	432,702	72,420	4,770
Tennessee.....	597,593	190,278	376,005	28,100	2,476	594,613	165,111	371,420	63,684	3,937
Alabama.....	442,613	144,772	277,585	18,009	1,438	432,489	111,919	273,709	44,223	2,059
Mississippi.....	265,601	90,624	162,484	11,128	631	259,222	70,800	160,627	26,328	968
West South Central.....	2,692,469	934,355	1,608,819	123,467	14,816	2,447,071	611,001	1,572,299	242,589	17,043
Arkansas.....	403,252	127,753	252,047	20,520	2,136	374,035	84,939	245,179	35,018	2,410
Louisiana.....	354,944	131,943	204,865	15,130	1,207	341,713	99,806	201,259	38,238	1,546
Oklahoma.....	606,270	197,934	373,295	27,734	4,570	582,668	118,745	364,280	43,983	4,397
Texas.....	1,328,003	476,675	778,409	60,083	6,897	1,198,660	307,451	758,011	122,344	8,350
Mountain.....	1,176,070	444,080	657,084	53,051	12,926	967,040	227,051	632,708	93,753	11,087
Pacific.....	2,146,292	614,711	1,181,940	101,837	35,059	1,859,389	442,177	1,162,972	226,726	35,190
NEGRO										
New England.....	80,498	11,870	16,732	1,591	215	28,853	7,893	16,954	4,732	287
Middle Atlantic.....	235,674	85,397	156,401	11,819	687	229,887	63,219	135,197	34,007	1,190
East North Central.....	218,760	76,969	125,264	13,075	2,867	186,274	53,761	116,604	26,667	2,931
West North Central.....	112,588	38,637	63,551	8,109	1,752	102,372	20,548	62,061	17,465	2,066
Missouri.....	71,577	24,609	40,331	5,375	978	67,000	13,966	39,772	11,091	1,172
South Atlantic.....	1,311,264	433,651	795,982	72,281	5,415	1,361,103	356,988	797,273	185,668	9,465
Delaware.....	11,359	4,318	6,157	768	41	10,229	2,758	5,098	1,378	41
Maryland.....	86,568	31,320	49,116	5,511	426	83,250	21,767	48,723	12,188	474
Dist. of Columbia.....	98,916	18,364	22,801	2,337	208	46,434	13,244	23,686	9,051	332
Virginia.....	217,056	77,781	125,947	12,252	1,124	219,838	61,386	125,550	30,828	1,631
West Virginia.....	34,727	13,730	18,920	1,556	313	26,313	5,500	17,652	2,780	273
North Carolina.....	214,825	78,172	130,114	10,357	482	229,671	63,505	150,537	28,903	1,009
South Carolina.....	237,928	77,126	148,780	11,062	355	257,602	72,308	149,137	34,653	983
Georgia.....	356,516	100,681	226,710	20,094	1,065	379,967	88,081	228,361	59,376	3,568
Florida.....	113,372	36,169	68,031	7,884	801	107,961	22,443	67,580	16,462	1,199
East South Central.....	782,683	236,391	486,794	50,380	6,887	821,483	192,268	486,417	127,965	13,176
Kentucky.....	156,538	28,509	48,898	6,094	1,318	84,104	19,073	48,345	14,935	1,621
Tennessee.....	147,594	45,428	80,626	10,714	1,495	154,408	36,418	50,448	25,590	2,739
Alabama.....	207,530	58,556	160,483	16,398	2,043	288,197	70,327	166,443	40,120	4,590
Mississippi.....	281,992	50,903	181,783	16,094	2,031	294,774	67,450	181,181	41,302	4,226
West South Central.....	864,084	204,818	408,050	41,453	7,904	667,340	151,058	406,214	94,624	13,880
Arkansas.....	152,569	43,422	96,929	10,009	1,818	151,400	31,136	96,121	20,931	2,955
Louisiana.....	219,800	68,948	136,866	11,991	1,311	229,290	55,308	137,442	38,003	2,869
Oklahoma.....	449,426	15,389	29,537	3,501	712	46,426	10,246	29,013	6,096	945
Texas.....	242,289	77,065	144,708	16,832	4,063	240,224	54,369	143,638	34,594	7,208
Mountain.....	17,457	9,724	6,811	756	277	8,799	1,383	5,645	1,513	236
Pacific.....	20,273	7,420	11,032	1,214	465	17,888	3,182	10,816	3,310	544

Source: Bureau of the Census, Department of Commerce.

No. 24.—MARITAL CONDITION OF PERSONS

NOTE.—The number divorced

Division and State	Males 15 years of age and over								
	Number						Per cent of total		
	Total	Single	Married	Widowed	Di- vorced	Un- known	Single	Mar- ried	Wid- owed
Continental United States.	36,920,863	12,967,565	21,849,286	1,756,308	235,284	110,240	35.1	59.2	4.8
New England.....	2,614,119	935,919	1,522,214	137,307	14,408	4,271	35.8	58.2	6.3
Maine.....	279,478	92,085	166,171	18,123	2,628	471	32.9	59.5	6.5
New Hampshire.....	161,931	54,688	94,791	10,324	1,762	366	33.8	58.5	6.4
Vermont.....	127,905	41,894	76,310	8,372	1,171	158	32.8	59.7	6.5
Massachusetts.....	1,347,783	496,697	775,687	67,582	5,825	1,007	36.9	57.6	5.0
Rhode Island.....	147,543	77,269	121,208	10,711	1,226	129	36.7	57.6	5.1
Connecticut.....	486,474	173,286	288,047	22,195	1,706	1,150	35.6	59.2	4.6
Middle Atlantic.....	7,863,593	2,788,893	4,668,707	368,584	23,737	23,611	35.5	59.2	4.7
New York.....	3,732,823	1,350,038	2,183,536	173,113	10,166	15,925	36.2	58.5	4.0
New Jersey.....	1,110,387	382,481	672,749	50,577	2,593	1,987	34.4	60.6	4.6
Pennsylvania.....	3,020,387	1,056,294	1,802,422	144,894	10,978	6,699	35.0	59.7	4.8
East North Central.....	7,844,734	2,704,777	4,692,684	368,367	61,934	16,932	34.5	59.3	4.7
Ohio.....	2,125,420	712,996	1,290,790	101,696	17,225	2,313	33.5	60.7	4.8
Indiana.....	1,059,899	327,582	663,577	55,549	10,339	2,852	30.9	62.6	5.2
Illinois.....	2,347,493	830,251	1,387,092	107,204	16,587	6,359	35.4	59.1	4.6
Michigan.....	1,371,116	474,065	820,071	62,418	12,368	2,204	36.9	59.8	4.0
Wisconsin.....	940,300	369,833	531,148	41,590	5,475	2,704	38.3	56.5	4.4
West North Central.....	4,480,000	1,632,528	2,599,868	206,467	31,535	13,294	36.4	56.0	4.6
Minnesota.....	898,738	365,830	460,829	45,827	4,134	2,208	42.1	53.0	4.1
Iowa.....	865,467	303,626	512,060	40,763	6,944	2,014	35.1	59.2	4.7
Missouri.....	1,216,243	406,275	733,960	62,793	9,895	3,320	33.4	60.3	5.2
North Dakota.....	214,091	87,934	116,254	7,765	815	1,233	41.1	54.3	3.6
South Dakota.....	224,873	89,234	123,995	9,000	1,272	1,322	39.7	55.1	4.0
Nebraska.....	461,298	169,423	267,199	19,715	3,231	1,725	36.7	57.9	4.3
Kansas.....	630,130	210,101	382,569	30,744	5,244	1,472	33.0	60.7	4.9
South Atlantic.....	4,469,049	1,538,339	2,688,520	207,103	16,263	10,826	34.5	60.2	4.6
Delaware.....	81,611	27,815	48,850	4,264	307	375	34.1	59.9	5.2
Maryland.....	512,513	184,547	297,995	26,771	2,440	700	36.0	58.1	5.2
District of Columbia.....	169,013	60,976	88,038	7,616	884	839	38.3	55.8	4.8
Virginia.....	751,890	275,096	437,986	34,381	2,940	1,487	36.6	58.3	4.6
West Virginia.....	487,684	172,948	291,096	19,674	2,434	1,532	35.5	59.7	4.0
North Carolina.....	756,631	257,831	463,809	31,539	1,322	2,080	34.1	61.3	4.2
South Carolina.....	492,223	168,586	300,701	21,413	597	981	34.2	61.1	4.4
Georgia.....	884,801	283,338	554,366	42,314	3,242	1,551	32.0	62.7	4.8
Florida.....	332,678	107,201	203,029	19,131	2,090	1,221	32.2	61.0	5.8
East South Central.....	2,799,332	894,179	1,742,015	143,301	15,260	5,577	31.9	62.2	5.1
Kentucky.....	795,592	260,277	487,561	41,289	5,138	1,128	32.7	61.3	5.2
Tennessee.....	745,280	235,742	465,672	38,823	3,971	1,072	31.6	62.5	5.3
Alabama.....	710,229	226,392	444,168	34,420	3,486	1,763	31.9	62.5	4.8
Mississippi.....	548,321	171,768	344,614	27,769	2,665	1,505	31.3	62.8	5.1
West South Central.....	3,375,273	1,145,995	2,027,272	168,000	22,863	13,143	34.0	60.1	4.9
Arkansas.....	555,957	171,241	349,040	30,594	3,954	1,128	30.8	62.8	5.5
Louisiana.....	575,509	201,243	342,062	27,170	2,519	2,501	35.0	59.4	4.7
Oklahoma.....	671,835	219,012	412,202	32,252	5,423	2,946	32.6	61.4	4.8
Texas.....	1,571,981	554,494	923,968	75,984	10,967	6,568	35.3	58.8	4.8
Mountain.....	1,228,847	487,345	683,184	56,174	13,432	8,732	38.0	55.6	4.6
Montana.....	299,491	84,007	113,159	8,590	2,324	1,411	40.1	54.0	4.1
Idaho.....	156,167	59,795	87,969	6,403	1,667	327	38.3	56.3	4.1
Wyoming.....	79,306	33,171	41,408	3,180	906	641	41.8	62.2	4.0
Colorado.....	350,813	123,473	200,800	17,592	4,378	4,570	35.2	57.2	5.0
New Mexico.....	123,167	45,425	68,973	7,583	944	242	36.9	56.0	6.2
Arizona.....	127,117	51,329	67,735	6,182	1,166	705	40.4	53.3	4.9
Utah.....	146,202	53,294	86,397	5,078	1,240	247	36.4	59.1	3.5
Nevada.....	36,444	16,851	16,723	1,560	741	589	46.2	45.9	4.3
Pacific.....	2,255,117	869,621	1,239,824	106,015	35,803	13,854	38.1	55.0	4.7
Washington.....	546,019	212,021	298,950	23,915	8,602	2,531	38.8	54.8	4.4
Oregon.....	398,126	112,181	175,423	14,474	5,033	416	38.4	56.9	4.7
California.....	1,400,972	535,419	765,451	67,626	21,568	10,908	38.2	54.6	4.8

Source: Bureau of the Census, Department of Commerce.

15 YEARS OF AGE AND OVER: BY STATES, 1920

is considered to be understated

Females 15 years of age and over										Division and State
Number						Per cent of total				
Total	Single	Married	Widowed	Divorced	Un-known	Single	Married	Widowed		
35,177,515	9,616,902	21,818,983	3,017,825	273,304	50,761	27.3	60.6	11.1	U. S.	
2,681,138	880,668	1,485,377	315,093	17,441	2,574	32.1	55.4	11.8	N. E.	
271,764	72,169	162,623	34,017	2,685	280	26.6	59.8	12.5	Me.	
161,208	46,292	92,353	20,431	1,845	287	28.7	57.3	12.7	N. H.	
123,982	32,307	74,505	15,989	1,014	77	26.1	60.1	12.9	Vt.	
1,425,443	490,170	758,897	167,263	8,000	1,123	34.4	53.2	11.7	Mass.	
219,409	74,098	118,772	24,577	1,884	128	33.8	54.1	11.2	R. I.	
479,332	145,537	278,227	52,826	2,063	679	30.4	58.0	11.0	Conn.	
7,787,457	2,310,805	4,518,248	888,739	28,367	10,298	28.8	58.2	11.5	M. A.	
3,767,540	1,164,525	2,134,604	448,670	13,562	6,179	30.9	50.7	11.9	N. Y.	
1,092,623	311,293	653,587	123,076	3,297	1,370	28.5	59.8	11.3	N. J.	
2,897,294	834,987	1,730,057	316,993	12,508	2,749	28.8	50.7	10.9	Pa.	
7,321,833	1,916,579	4,545,175	785,038	65,090	9,951	26.2	62.1	10.7	E. N. C.	
1,990,701	507,550	1,241,451	221,755	15,466	1,479	25.5	62.4	11.1	Ohio.	
1,021,915	244,659	650,187	114,244	10,723	2,102	23.9	63.6	11.2	Ind.	
2,242,120	617,873	1,353,118	247,985	19,275	3,869	27.6	60.3	11.1	Ill.	
1,193,037	285,297	782,648	118,412	10,768	912	23.8	65.3	9.9	Mich.	
869,060	201,200	617,771	82,642	5,858	1,589	30.1	59.6	9.5	Wis.	
4,159,479	1,150,373	2,555,896	411,472	34,727	7,011	27.7	61.4	9.9	W. N. C.	
774,433	248,592	450,785	68,945	4,843	1,298	32.1	58.2	8.9	Minn.	
1,991,947	524,706	1,367,241	81,118	7,510	1,319	27.4	61.6	9.9	Iowa.	
1,180,407	308,051	724,856	130,774	11,939	2,057	26.0	61.1	11.3	Mo.	
181,460	54,685	113,843	11,618	735	560	30.1	62.7	6.4	N. Dak.	
190,812	53,808	121,408	13,862	1,128	556	28.2	63.6	7.3	S. Dak.	
419,146	113,807	263,890	37,298	3,368	723	27.2	63.0	8.9	Nebr.	
587,284	146,614	376,790	58,857	5,504	519	25.0	64.0	10.0	Kans.	
4,420,837	1,222,581	2,654,236	518,797	23,110	7,133	27.7	60.0	11.6	S. A.	
77,105	19,962	47,409	9,094	368	222	28.9	61.6	11.8	Del.	
506,569	147,204	294,043	62,087	2,700	535	29.1	58.0	12.3	Md.	
189,469	70,330	88,002	27,761	1,381	392	37.3	47.0	14.7	D. C.	
730,985	211,140	432,557	82,483	3,898	907	28.9	50.2	11.3	Va.	
431,564	110,160	280,811	36,995	2,685	954	26.5	65.1	8.0	W. Va.	
769,135	225,149	469,742	79,118	2,325	1,861	29.3	59.9	10.3	N. C.	
504,048	143,467	298,648	50,805	1,825	753	28.5	59.2	11.9	S. C.	
900,117	226,866	551,522	115,829	5,929	984	25.1	61.3	12.9	Ga.	
312,798	69,294	199,842	40,565	2,562	535	22.2	63.9	13.0	Fla.	
2,794,845	706,269	1,725,179	334,697	24,914	3,786	25.3	61.7	12.0	E. S. C.	
770,095	195,055	481,060	87,378	6,392	810	25.3	62.4	11.3	Ky.	
749,045	190,536	461,838	39,285	6,676	665	25.4	61.7	11.9	Tonn.	
720,780	182,268	440,207	90,369	6,649	1,287	25.3	61.1	12.5	Ala.	
554,325	138,410	342,029	67,665	5,197	1,024	25.0	61.7	12.2	Miss.	
3,131,029	766,117	1,988,774	339,238	31,236	5,664	24.5	63.5	10.8	W. S. C.	
525,477	116,084	344,325	58,954	5,370	744	22.1	65.5	11.2	Ark.	
571,330	155,276	338,897	71,278	4,418	1,472	27.2	59.3	12.5	La.	
594,670	132,818	402,863	51,984	5,886	1,128	22.3	67.7	8.7	Okla.	
1,439,534	361,939	902,689	157,022	15,564	2,320	25.1	62.7	10.9	Tex.	
1,000,086	233,864	664,476	98,277	11,510	1,959	23.4	65.4	9.8	Mt.	
160,625	37,036	108,119	13,388	1,821	261	23.1	67.3	8.8	Mont.	
123,287	28,124	84,654	9,391	1,140	72	22.8	68.6	7.6	Idaho.	
54,169	11,120	38,172	4,089	660	128	20.5	70.5	7.5	Wyo.	
307,468	73,008	195,193	34,186	4,058	923	23.8	63.5	11.1	Colo.	
103,503	24,993	66,877	10,832	942	159	24.1	64.3	10.5	N. Mex.	
95,671	20,170	68,685	10,808	852	156	21.1	66.6	11.3	Ariz.	
133,642	35,127	83,713	13,168	1,531	193	26.3	62.6	9.9	Utah.	
21,731	4,196	14,463	2,415	500	157	19.3	66.6	11.1	Nev.	
1,910,811	446,681	1,181,672	231,274	35,896	2,375	23.5	62.4	12.1	Pac.	
438,357	100,343	287,871	41,859	7,816	438	22.9	65.7	9.6	Wash.	
261,847	60,142	170,069	26,514	4,988	134	23.0	64.9	10.1	Oreg.	
1,210,607	289,196	733,632	162,871	23,105	1,803	23.9	60.6	13.5	Calif.	

No. 25.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER: CONTINENTAL UNITED STATES, 1910 AND 1920, AND BY GEOGRAPHIC DIVISIONS, 1920

NOTE.—For definition of urban population, see Table 37. Illiteracy in this and subsequent tables is defined as inability to write in any language, regardless of ability to read. Per cents represent proportion illiterate in the total number of persons of given class and age

Division, sex, and age	All classes ¹		Native white, native parantage		Native white, foreign or mixed parantage		Foreign-born white		Negro	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
United States, 1910.....	5,516,163	7.7	1,378,884	3.7	156,886	1.1	1,650,361	12.7	2,227,731	80.4
10 to 20 years.....	946,146	4.7	265,457	2.3	36,470	0.8	142,868	11.1	485,083	20.0
21 years and over.....	4,570,017	8.9	1,113,427	4.3	118,918	1.3	1,507,493	12.9	1,742,648	35.7
Urban, total.....	1,748,830	5.1	128,937	0.9	58,964	0.7	1,157,524	12.5	1,392,074	17.6
Rural, total.....	3,767,333	10.1	1,249,947	5.4	96,424	1.0	492,837	13.3	1,354,767	36.0
United States, 1920.....	4,931,905	6.0	1,109,875	2.5	182,697	0.8	1,763,740	13.1	1,842,161	22.9
Males.....	2,540,209	6.0	614,012	2.7	70,095	0.8	866,822	11.7	942,893	23.5
Females.....	2,391,696	5.9	495,263	2.3	62,602	0.7	896,918	14.8	899,793	22.3
10 to 20 years.....	698,794	2.7	171,594	1.3	30,339	0.6	56,595	5.7	329,174	13.0
21 years and over.....	4,233,111	7.1	938,311	3.0	102,358	0.9	1,707,145	13.7	1,512,987	27.4
Urban, total.....	1,955,112	4.4	155,493	0.8	55,020	0.5	1,327,520	13.0	1,402,170	13.4
10 to 20 years.....	87,671	0.9	19,294	0.4	10,441	0.3	27,490	3.0	29,875	14.4
21 years and over.....	1,867,441	5.5	136,199	1.0	45,179	0.6	1,300,030	13.8	372,295	16.0
Rural, total.....	2,978,793	7.7	964,383	3.3	77,077	1.4	436,220	13.9	1,439,991	28.5
10 to 20 years.....	511,123	4.3	152,270	1.9	19,898	1.2	20,105	12.7	209,299	16.1
21 years and over.....	2,468,670	9.1	812,112	4.8	57,179	1.5	407,116	13.3	1,140,692	35.7
New England.....	239,700	4.9	13,185	0.6	13,759	0.8	267,207	14.0	4,607	7.1
10 to 20 years.....	8,874	0.7	2,127	0.4	1,954	0.3	4,623	3.4	141	1.1
21 years and over.....	230,826	6.1	11,058	0.6	11,805	1.1	262,584	14.8	4,466	8.5
Urban, total.....	245,299	5.2	4,880	0.3	6,064	0.6	220,504	14.0	4,067	6.9
Rural, total.....	44,401	3.6	8,305	1.1	4,705	1.9	30,703	13.7	5,560	9.0
Middle Atlantic.....	865,362	4.9	62,924	0.7	24,048	0.5	760,010	16.7	25,587	5.0
10 to 20 years.....	21,800	0.5	5,481	0.3	4,384	0.3	10,783	2.9	1,056	1.1
21 years and over.....	843,562	6.3	47,443	0.9	19,664	0.6	749,227	16.7	24,531	6.0
Urban, total.....	691,226	5.2	10,420	0.4	15,361	0.4	634,749	16.1	19,643	4.4
Rural, total.....	174,156	4.0	33,504	1.2	8,687	1.1	125,261	18.0	5,944	9.0
East North Central.....	495,470	2.9	88,793	1.0	28,390	0.6	342,832	10.8	32,052	7.3
10 to 20 years.....	15,232	0.4	7,421	0.3	3,030	0.2	3,667	1.8	908	1.2
21 years and over.....	480,238	3.7	81,372	1.3	25,360	0.8	339,165	11.4	31,084	3.7
Urban, total.....	351,028	3.3	30,787	0.7	12,848	0.4	280,567	11.3	26,308	6.8
Rural, total.....	143,842	2.2	58,005	1.3	15,542	1.0	62,265	8.8	5,744	10.8
West North Central.....	193,221	2.0	59,954	1.1	14,079	0.5	95,760	8.4	24,887	10.5
10 to 20 years.....	12,605	0.5	6,708	0.4	1,956	0.3	2,162	3.2	1,337	2.7
21 years and over.....	180,616	2.5	53,246	1.4	12,722	0.6	84,598	6.5	23,550	12.5
Urban, total.....	70,415	2.0	12,017	0.6	4,846	0.5	45,303	7.5	15,007	8.6
Rural, total.....	113,806	1.0	47,037	1.4	9,832	0.6	41,457	5.5	8,980	16.9
South Atlantic.....	1,212,942	11.5	352,907	5.4	3,878	0.9	39,757	12.8	812,842	26.2
10 to 20 years.....	204,178	6.2	55,312	2.7	605	0.5	972	4.0	148,607	13.4
21 years and over.....	1,008,764	14.0	297,595	6.6	3,273	1.1	38,785	13.5	664,235	31.5
Urban, total.....	227,055	6.4	37,271	1.8	1,949	0.6	24,690	11.2	162,327	17.2
Rural, total.....	985,887	14.1	315,636	7.0	1,929	1.9	16,067	16.4	650,115	28.6
East South Central.....	845,459	12.7	269,026	6.6	2,626	1.5	6,457	9.1	536,583	27.9
10 to 20 years.....	145,361	6.8	46,091	3.1	235	0.8	208	5.2	98,580	15.4
21 years and over.....	700,098	15.5	222,934	8.4	2,391	1.6	6,249	9.3	438,003	34.1
Urban, total.....	120,354	7.7	22,409	2.3	1,003	0.8	4,026	8.4	98,864	20.6
Rural, total.....	719,105	14.3	276,616	7.8	1,023	3.2	2,431	10.5	437,719	30.3
West South Central.....	773,637	10.0	199,408	3.9	35,021	6.9	35,021	29.9	402,233	25.3
10 to 20 years.....	162,274	6.5	42,231	2.5	15,091	9.9	24,049	33.3	78,364	14.9
21 years and over.....	611,363	11.7	157,177	4.6	19,330	5.2	104,076	29.1	323,869	30.5
Urban, total.....	146,820	6.1	19,307	1.3	6,819	2.8	47,783	23.1	72,397	16.1
Rural, total.....	626,817	11.8	180,101	5.0	28,202	9.7	80,337	30.3	329,836	29.0
Mountain.....	132,659	5.2	35,163	2.4	5,697	1.0	55,422	12.7	1,457	5.3
10 to 20 years.....	19,275	2.9	5,027	1.1	1,620	1.0	5,463	12.9	78,364	1.8
21 years and over.....	113,384	6.0	30,136	2.0	4,077	1.0	49,959	12.7	1,886	5.8
Urban, total.....	25,895	2.6	4,957	0.9	1,473	0.6	17,096	9.7	701	4.8
Rural, total.....	107,264	8.8	30,209	3.3	4,224	1.3	38,323	14.8	756	5.8
Pacific.....	123,435	2.7	8,518	0.4	4,600	0.4	86,870	8.9	1,913	4.6
10 to 20 years.....	7,195	0.8	1,166	0.2	864	0.3	4,068	5.7	50	0.7
21 years and over.....	116,240	3.2	7,350	0.4	3,736	0.4	82,802	8.8	1,863	5.4
Urban, total.....	61,020	2.1	3,545	0.3	2,267	0.3	46,707	7.9	1,466	4.1
Rural, total.....	61,515	3.7	4,971	0.6	2,333	0.6	39,773	11.6	447	8.5

¹ Includes Indians, Chinese, Japanese, and other nonwhites.

Source: Bureau of the Census, Department of Commerce.

No. 26.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER AND 21 YEAR OF AGE AND OVER: By STATES

Division and State	Number of illiterate persons 10 years of age and over						Illiterate persons of voting age	
	All classes ¹			Native white	Foreign-born white	Negro	Male	Female
	Total	Male	Female					
Continental United States	4,981,605	2,540,209	2,391,696	1,242,572	1,763,740	1,842,161	2,192,363	2,140,743
New England	289,700	140,260	149,420	26,044	257,207	4,607	135,862	144,944
Maine.....	20,240	12,421	7,819	8,396	11,004	64	11,310	7,282
New Hampshire.....	15,788	8,246	7,542	1,073	13,746	33	7,073	7,284
Vermont.....	8,488	5,150	3,332	3,613	4,837	28	4,967	3,195
Massachusetts.....	146,007	68,423	77,584	7,780	135,720	2,665	66,729	70,021
Rhode Island.....	31,312	14,103	17,144	2,255	28,169	839	13,723	16,596
Connecticut.....	67,265	31,800	35,300	2,027	63,131	1,078	31,190	34,586
Middle Atlantic	865,382	413,456	451,824	76,972	760,010	25,687	403,400	440,182
New York.....	425,022	188,353	236,669	28,406	389,003	5,032	184,213	231,146
New Jersey.....	127,061	61,546	66,115	9,606	111,555	5,910	60,076	64,232
Pennsylvania.....	312,699	163,559	149,140	38,870	288,812	14,645	159,111	144,764
East North Central	495,470	262,636	232,832	117,183	342,632	32,052	253,072	226,262
Ohio.....	131,006	72,627	58,379	33,726	84,387	12,715	70,102	56,543
Indiana.....	52,034	28,804	23,170	27,020	17,555	6,476	27,714	22,433
Illinois.....	173,987	80,698	87,289	30,007	131,996	10,470	84,059	85,065
Michigan.....	88,046	48,173	39,873	14,172	70,535	2,203	40,811	38,802
Wisconsin.....	50,397	26,276	24,121	10,440	38,350	182	25,290	23,416
West North Central	193,221	101,744	91,477	74,632	86,780	24,667	94,190	86,420
Minnesota.....	34,487	17,413	17,074	5,055	26,242	241	10,473	16,390
Iowa.....	20,060	11,353	9,327	8,275	11,004	1,283	10,808	8,336
Missouri.....	83,403	45,444	37,959	47,066	17,660	18,528	41,625	35,729
North Dakota.....	9,037	4,681	5,256	1,307	7,238	16	4,305	5,008
South Dakota.....	8,100	3,806	4,303	1,490	3,848	35	3,540	4,100
Nebraska.....	13,784	6,999	6,785	3,360	9,468	556	6,507	6,465
Kansas.....	22,821	12,048	10,773	7,179	11,201	4,228	11,078	9,892
South Atlantic	1,212,942	637,060	574,902	356,785	39,767	812,849	512,185	494,569
Delaware.....	10,508	5,097	4,811	2,427	3,373	4,700	5,447	4,641
Maryland.....	64,434	33,435	30,999	15,368	13,575	35,404	30,091	28,786
Dist. of Columbia.....	10,500	4,345	6,104	640	1,728	8,053	4,185	6,005
Virginia.....	195,159	107,374	87,785	70,475	2,150	122,322	80,810	75,557
West Virginia.....	60,413	40,896	28,517	44,324	14,548	10,513	35,927	25,551
North Carolina.....	241,003	125,302	116,301	104,844	474	133,674	102,402	102,000
South Carolina.....	220,007	110,425	110,242	38,742	391	181,422	86,614	92,868
Georgia.....	328,838	178,254	156,584	66,796	861	261,115	131,003	130,291
Florida.....	71,811	37,262	34,550	13,160	2,657	55,639	29,677	28,820
East South Central	845,459	447,071	398,388	301,651	6,467	539,583	359,074	341,024
Kentucky.....	155,014	86,495	68,519	112,206	2,244	40,548	74,405	61,830
Tennessee.....	182,029	98,852	83,777	101,809	1,263	79,532	80,491	72,672
Alabama.....	278,082	140,991	137,091	65,394	1,893	210,690	111,907	110,568
Mississippi.....	229,734	120,738	109,001	22,242	1,057	205,813	92,181	80,964
West South Central	773,637	400,795	373,842	234,420	128,725	402,233	310,753	300,610
Arkansas.....	121,837	63,950	67,878	41,411	1,145	70,245	50,370	49,037
Louisiana.....	200,062	148,081	151,011	81,957	9,707	208,730	110,821	119,150
Oklahoma.....	56,864	32,347	24,517	30,418	5,456	14,205	26,718	21,358
Texas.....	295,844	166,408	139,436	80,643	112,417	102,053	122,838	111,056
Mountain	132,659	66,305	66,264	40,860	55,422	1,457	58,917	58,467
Montana.....	9,544	5,357	4,187	1,067	5,178	87	5,076	3,995
Idaho.....	4,024	3,085	1,839	914	2,501	44	2,854	1,656
Wyoming.....	3,149	2,180	969	421	2,233	66	2,049	891
Colorado.....	24,208	11,587	12,021	8,624	14,224	619	10,558	11,522
New Mexico.....	41,637	18,235	23,402	25,519	7,250	228	15,050	10,902
Arizona.....	39,131	10,984	19,147	3,233	19,291	338	15,847	14,789
Utah.....	6,204	3,078	2,586	925	3,504	59	3,342	2,337
Nevada.....	3,802	2,289	1,513	157	1,241	16	2,141	1,375
Pacific	123,435	69,848	53,587	13,116	86,570	1,813	66,005	50,235
Washington.....	18,526	10,479	8,047	2,379	11,630	245	10,039	7,738
Oregon.....	9,317	5,589	3,728	1,090	5,172	89	5,357	3,548
California.....	95,592	53,780	41,812	8,747	69,708	1,579	50,609	38,949

¹ The total includes 83,432 illiterate persons among the Indians, Chinese, Japanese, and other nonwhite population.

Source: Bureau of the Census, Department of Commerce.

No. 27.—PERCENTAGE OF ILLITERACY: BY STATES

Division and State	Per cent illiterate among persons 10 years of age and over										Per cent illiterate among persons of voting age, 1920			
	All classes		Male		Female		Native white		Foreign-born white		Negro		Males	Females
	1910	1920	1920	1920	1910	1920	1910	1920	1910	1920	1910	1920		
Continental United States	7.7	6.0	6.0	5.9	3.0	2.0	12.7	13.1	30.4	22.9	7.0	7.3		
New England	5.3	4.9	4.9	5.0	0.9	0.7	13.8	14.0	7.8	7.1	6.0	6.9		
Maine	4.1	3.3	3.9	2.5	2.0	1.6	13.7	11.1	8.0	5.9	4.7	3.1		
New Hampshire	4.6	4.4	4.5	4.2	1.1	0.7	14.5	15.4	10.6	6.7	5.6	6.2		
Vermont	3.7	3.0	3.6	2.4	1.9	1.4	13.1	11.3	4.8	6.2	4.5	3.0		
Massachusetts	5.2	4.7	4.5	4.9	0.5	0.4	12.7	12.8	8.1	6.3	5.7	6.1		
Rhode Island	7.7	6.5	6.0	7.0	1.3	0.7	17.3	16.5	9.5	10.2	7.6	8.2		
Connecticut	6.0	6.2	5.8	6.6	0.6	0.4	15.4	17.0	6.3	6.2	7.4	8.4		
Middle Atlantic	5.7	4.9	4.7	5.1	1.0	0.6	15.9	15.7	7.9	5.0	5.9	6.6		
New York	5.5	5.1	4.5	5.6	0.8	0.5	13.7	14.2	5.0	2.9	5.7	7.1		
New Jersey	5.8	5.1	4.9	5.3	0.9	0.6	14.7	15.3	9.9	6.1	6.3	6.9		
Pennsylvania	5.9	4.6	4.7	4.5	1.3	0.8	20.1	18.9	9.1	6.1	6.2	6.9		
East North Central	3.4	2.9	3.0	2.8	1.4	0.9	10.1	10.8	11.0	7.9	3.7	3.6		
Ohio	3.2	2.3	3.0	2.6	1.5	0.9	11.5	12.6	11.1	8.1	3.8	3.3		
Indiana	3.1	2.2	2.4	2.0	2.1	1.3	11.7	11.8	13.7	9.5	3.0	2.6		
Illinois	3.7	3.4	3.3	3.4	1.3	0.8	10.1	11.0	10.5	6.7	4.1	4.4		
Michigan	3.3	3.0	3.1	2.9	1.1	0.7	9.3	9.9	5.7	4.2	3.9	3.8		
Wisconsin	3.2	2.4	2.5	2.4	0.9	0.7	8.7	8.4	4.5	4.1	3.2	3.2		
West North Central	2.9	2.0	2.0	1.9	1.4	0.9	7.6	6.4	14.9	10.5	2.5	2.5		
Minnesota	3.0	1.8	1.8	1.9	0.5	0.4	7.6	5.4	3.4	3.1	2.2	2.6		
Iowa	1.7	1.1	1.2	1.0	0.8	0.5	6.3	4.9	10.3	8.1	1.4	1.3		
Missouri	4.3	3.0	3.3	2.8	2.9	2.0	10.1	9.6	17.4	12.1	4.0	3.6		
North Dakota	3.1	2.1	1.9	2.4	0.5	0.4	6.3	5.6	4.8	4.0	2.5	3.5		
South Dakota	2.9	1.7	1.5	1.9	0.4	0.4	5.0	4.7	5.5	5.2	1.9	2.6		
Nebraska	1.9	1.4	1.3	1.4	0.6	0.4	7.1	6.4	7.2	4.8	1.7	1.0		
Kansas	2.2	1.6	1.7	1.6	0.6	0.6	10.5	10.5	12.0	8.8	2.1	2.0		
South Atlantic	16.0	11.5	12.1	11.0	7.6	5.1	13.5	12.8	32.5	26.2	14.0	13.9		
Delaware	8.1	5.9	6.2	5.5	2.9	1.8	19.8	17.3	25.6	19.1	7.7	7.0		
Maryland	7.2	5.6	5.7	5.4	2.6	1.8	11.9	13.4	23.4	18.2	6.9	6.7		
District of Columbia	4.9	2.8	2.5	3.0	0.5	0.3	8.2	6.1	13.5	8.6	3.0	3.6		
Virginia	15.2	11.2	12.1	10.2	8.0	5.9	9.2	7.1	30.0	23.5	14.1	12.7		
West Virginia	8.3	6.4	7.2	5.6	6.4	4.6	23.9	24.0	20.3	15.3	8.9	7.3		
North Carolina	18.5	13.1	13.7	12.5	12.3	8.2	8.3	6.8	31.9	24.5	17.0	16.8		
South Carolina	25.7	19.1	18.3	17.9	10.3	6.5	6.8	6.2	38.7	29.3	22.3	23.8		
Georgia	20.7	15.3	16.2	14.4	7.8	5.4	6.0	5.4	36.5	20.1	18.4	18.4		
Florida	13.8	9.6	9.6	9.5	5.0	2.9	10.5	6.3	25.5	21.5	10.6	11.3		
East South Central	17.4	12.7	13.3	12.0	9.2	6.4	9.7	8.1	34.3	27.9	15.7	15.2		
Kentucky	12.1	8.4	9.3	7.6	10.0	7.0	8.3	7.3	27.6	21.0	11.3	9.8		
Tennessee	13.6	10.3	11.2	9.5	9.7	7.3	8.3	8.3	27.3	22.4	13.2	12.0		
Alabama	22.9	16.1	16.4	15.8	9.9	6.3	11.3	10.9	40.1	31.3	19.5	20.5		
Mississippi	22.4	17.2	18.1	16.3	5.2	3.6	15.1	13.3	35.6	20.3	20.9	20.7		
West South Central	13.2	10.0	10.0	10.0	5.8	4.1	25.6	23.9	32.1	25.3	11.3	12.1		
Arkansas	12.6	9.4	9.6	9.1	7.0	4.5	8.9	8.3	26.4	21.8	11.1	11.8		
Louisiana	20.0	21.9	21.6	22.2	13.4	10.5	24.0	21.9	48.4	38.5	23.6	26.2		
Oklahoma	3.6	3.8	4.1	3.4	3.3	2.3	8.8	14.0	17.7	12.4	4.9	4.5		
Texas	9.9	8.3	8.5	8.2	4.3	3.0	30.0	33.8	24.6	17.8	9.6	9.7		
Mountain	6.9	5.2	4.7	5.7	2.9	2.0	12.5	12.7	8.0	6.3	5.4	6.5		
Montana	4.3	2.3	2.3	2.3	0.4	0.3	9.4	5.6	7.0	6.0	2.7	2.8		
Idaho	2.2	1.5	1.7	1.3	0.3	0.3	6.9	6.5	6.4	5.4	2.1	1.6		
Wyoming	3.3	2.1	2.5	1.5	0.3	0.3	9.7	9.0	5.0	5.3	2.0	1.9		
Colorado	3.7	3.2	2.9	3.6	1.6	1.4	11.3	12.4	8.6	6.2	3.5	4.4		
New Mexico	20.2	15.6	12.7	13.9	14.9	11.6	31.0	27.1	14.2	4.3	14.7	24.1		
Arizona	20.9	15.3	13.9	17.1	4.2	2.1	31.5	27.5	7.2	4.6	14.5	18.8		
Utah	2.5	1.9	2.1	1.6	0.4	0.3	5.9	6.3	4.8	4.6	2.8	2.2		
Nevada	6.7	5.9	5.8	6.2	0.4	0.4	7.6	8.5	5.5	5.1	6.4	7.3		
Pacific	3.0	2.7	2.8	2.5	0.4	0.4	8.0	8.8	6.3	4.6	3.3	3.0		
Washington	2.0	1.7	1.7	1.6	0.3	0.3	4.8	4.7	4.3	4.0	2.1	2.1		
Oregon	1.9	1.5	1.6	1.3	0.4	0.4	6.1	5.1	3.4	4.7	2.0	1.6		
California	3.7	3.3	3.5	3.1	0.5	0.4	10.0	10.5	7.1	4.7	4.9	3.6		

Source: Bureau of the Census, Department of Commerce.

No. 28.—DWELLINGS, FAMILIES, AND TENURE OF HOMES: BY STATES, 1920

Note.—A dwelling is a place in which one or more persons regularly sleep. A hotel, a boarding house, an institution, or an apartment house, though containing many families, constitutes but one dwelling, while a boat, tent, room in a factory, store, etc., although occupied by only one person, is also counted as a dwelling. A family signifies a group of persons, whether related by blood or not, who live in one household, usually sharing the same table. One person alone is a family, while occupants and employees of a hotel, if that is the usual place of abode, and all the inmates of an institution are treated as a single family

Division and State	Total dwellings	Total families	Families having homes—					Tenure unknown
			Rented	Owned				
				Free	Mortgaged	Unknown		
Continental United States:								
1910	17,805,845	20,255,555	10,697,695	5,684,284	2,281,605	167,732	473,949	
1920	20,097,204	24,351,976	12,943,598	6,522,119	4,059,593	285,245	541,118	
New England	1,255,964	1,703,812	1,010,686	334,753	322,064	10,507	24,902	
Maine	132,304	185,100	73,800	80,540	25,079	2,310	3,417	
New Hampshire	92,154	108,884	53,189	30,195	15,193	1,390	2,307	
Vermont	77,158	85,804	35,706	20,020	18,571	1,449	1,728	
Massachusetts	507,052	874,798	564,097	120,312	171,741	3,192	9,450	
Rhode Island	98,861	137,160	92,800	19,899	21,352	680	2,439	
Connecticut	228,405	311,010	190,904	43,788	69,228	2,168	5,405	
Middle Atlantic	3,566,549	5,085,080	3,144,593	934,703	892,787	30,633	70,424	
New York	1,325,114	2,441,125	1,670,088	342,452	381,776	14,510	32,290	
New Jersey	515,211	721,841	433,911	101,658	166,844	4,472	10,016	
Pennsylvania	1,726,224	1,922,114	1,036,594	490,598	345,167	17,651	33,109	
East North Central	4,385,541	5,143,913	2,407,639	1,510,174	1,069,927	63,651	62,222	
Ohio	1,216,542	1,414,068	673,858	432,604	271,872	14,421	21,113	
Indiana	690,466	737,707	326,192	243,851	139,796	11,755	16,113	
Illinois	1,190,414	1,534,077	846,071	370,221	208,446	10,693	29,745	
Michigan	755,931	862,745	349,054	268,287	220,407	10,717	14,220	
Wisconsin	520,188	595,316	212,404	195,011	169,340	7,465	11,030	
West North Central	2,716,998	2,957,849	1,257,810	952,049	691,238	43,494	73,262	
Minnesota	469,052	526,026	202,222	181,253	123,786	7,328	11,437	
Iowa	559,188	586,070	230,880	205,115	119,289	8,163	13,023	
Missouri	717,256	829,043	409,068	220,120	168,824	8,714	15,608	
North Dakota	129,905	134,881	45,050	37,203	43,375	4,261	4,927	
South Dakota	136,512	142,793	53,099	46,438	34,021	3,653	4,982	
Nebraska	288,300	303,436	125,713	99,715	63,973	5,410	8,025	
Kansas	410,065	435,000	182,784	163,181	82,370	6,955	11,360	
South Atlantic	2,781,694	2,991,628	1,684,936	896,122	381,804	43,228	85,478	
Delaware	47,868	52,070	28,287	12,358	9,072	799	954	
Maryland	288,261	324,742	160,210	94,095	60,867	3,710	5,261	
District of Columbia	72,175	90,194	65,054	12,364	15,375	774	2,037	
Virginia	480,220	483,363	231,593	187,547	48,014	5,901	9,738	
West Virginia	293,002	310,098	160,528	109,732	26,477	5,153	8,208	
North Carolina	495,209	513,377	201,303	186,460	38,498	10,884	16,232	
South Carolina	330,500	349,126	227,657	80,911	21,977	5,201	13,290	
Georgia	586,509	628,525	421,047	141,899	39,546	6,740	19,263	
Florida	217,871	234,133	128,678	70,163	20,848	3,976	10,465	
East South Central	1,897,187	1,977,381	1,101,352	617,367	181,660	24,095	52,898	
Kentucky	510,981	546,306	268,043	209,239	59,846	6,908	11,070	
Tennessee	488,392	519,108	264,982	186,199	50,056	5,620	12,251	
Alabama	480,392	508,769	319,756	124,456	41,445	6,462	16,950	
Mississippi	387,402	403,198	257,971	97,473	30,322	5,105	12,327	
West South Central	2,110,870	2,242,810	1,252,703	613,788	262,404	37,185	76,270	
Arkansas	375,316	390,960	208,491	110,279	46,727	5,247	11,218	
Louisiana	370,377	389,913	248,802	94,420	24,515	7,475	14,701	
Oklahoma	418,567	444,524	231,813	109,001	74,580	10,253	18,871	
Texas	946,629	1,017,413	503,597	291,089	116,576	14,210	31,041	
Mountain	743,775	803,853	349,755	269,807	149,458	11,674	28,059	
Montana	130,670	139,912	53,392	43,776	35,559	2,505	4,710	
Idaho	95,299	100,500	38,013	30,974	26,057	1,277	3,279	
Wyoming	44,710	48,476	22,271	14,167	8,570	1,314	2,145	
Colorado	211,103	230,843	109,501	71,155	43,244	2,382	4,501	
New Mexico	78,024	83,706	32,907	35,693	8,208	1,351	2,047	
Arizona	73,673	80,208	44,163	24,605	7,797	673	2,070	
Utah	89,587	98,346	38,598	38,842	17,582	1,561	1,763	
Nevada	20,709	21,832	10,940	7,795	1,532	611	984	
Pacific	1,268,677	1,445,350	734,278	362,255	268,192	14,491	36,144	
Washington	304,735	342,228	151,513	106,729	72,655	3,938	7,393	
Oregon	185,031	202,860	89,588	60,491	40,064	2,227	4,530	
California	778,861	900,232	493,177	219,035	155,473	8,326	24,221	

Source: Bureau of the Census, Department of Commerce.

No. 29.—DWELLINGS AND FAMILIES: AVERAGE NUMBER OF PERSONS PER DWELLING AND PER FAMILY AND PERCENTAGE DISTRIBUTION OF FAMILIES ACCORDING TO TENURE OF HOME, BY STATES

NOTE.—In computing the percentages the homes reported as of unknown proprietorship and encumbrance have been distributed in the same proportion as the known

Division or State	Average persons per dwelling		Average persons per family		Per cent of total number of families (1920) having homes—				Per cent of owned homes, 1920	
	1910	1920	1910	1920	Rented	Owned	Owned free	Owned encumbered	Free	Encumbered
Continental United States	5.2	5.1	4.5	4.3	54.4	45.6	28.2	17.5	61.7	38.3
New England	6.0	5.9	4.5	4.3	60.2	39.8	20.4	19.5	51.1	48.9
Maine	4.7	4.7	4.2	4.1	40.4	59.6	45.0	14.5	75.0	24.4
New Hampshire	4.8	4.8	4.2	4.1	50.2	49.8	35.1	14.7	70.4	29.6
Vermont	4.6	4.6	4.2	4.1	42.5	57.5	35.1	22.4	61.0	39.0
Massachusetts	6.0	6.5	4.6	4.4	65.2	34.8	14.8	20.1	42.4	57.6
Rhode Island	6.8	6.1	4.6	4.4	68.9	31.1	15.0	16.1	48.2	51.8
Connecticut	6.1	6.0	4.5	4.4	62.4	37.6	14.6	23.0	38.7	61.3
Middle Atlantic	6.2	6.2	4.6	4.4	62.8	37.2	19.0	18.2	51.2	48.8
New York	7.7	7.8	4.5	4.3	69.3	30.7	14.5	16.2	47.3	52.7
New Jersey	6.2	6.1	4.5	4.4	61.7	38.3	14.5	23.7	38.0	62.0
Pennsylvania	5.1	5.1	4.7	4.5	54.8	45.2	26.5	18.7	58.7	41.3
East North Central	4.9	4.9	4.3	4.2	47.7	52.3	30.6	21.7	58.5	41.5
Ohio	4.7	4.7	4.2	4.1	48.4	51.6	31.7	19.9	61.4	38.6
Indiana	4.3	4.2	4.1	4.0	45.2	54.8	34.8	20.0	63.6	36.4
Illinois	5.6	5.4	4.5	4.2	50.2	49.8	25.4	18.4	58.0	42.0
Michigan	4.5	4.9	4.3	4.3	41.1	58.9	32.3	26.6	54.9	45.1
Wisconsin	5.0	5.0	4.7	4.4	36.4	63.6	34.1	29.6	53.5	46.5
West North Central	4.8	4.6	4.5	4.2	43.6	56.4	33.9	22.5	60.1	39.9
Minnesota	5.5	5.1	5.0	4.5	39.3	60.7	36.1	24.6	59.1	40.6
Iowa	4.5	4.3	4.3	4.1	41.0	59.0	36.7	21.4	63.2	36.8
Missouri	4.9	4.7	4.4	4.1	50.5	49.5	28.9	20.7	58.3	41.7
North Dakota	4.9	5.0	4.8	4.3	34.7	65.3	30.2	35.1	46.2	53.8
South Dakota	4.6	4.7	4.5	4.5	38.5	61.5	35.2	26.3	67.3	32.7
Nebraska	4.6	4.5	4.5	4.3	42.6	57.4	34.9	22.4	60.9	39.1
Kansas	4.4	4.3	4.3	4.1	43.1	56.9	37.0	19.9	65.0	35.0
South Atlantic	5.0	5.0	4.3	4.7	58.0	42.0	32.0	10.0	78.2	21.8
Delaware	4.7	4.7	4.5	4.3	55.3	44.7	25.1	19.6	50.1	49.9
Maryland	5.1	5.0	4.7	4.5	50.1	49.9	30.3	19.5	60.9	39.1
District of Columbia	6.7	6.1	4.6	4.5	69.7	30.3	13.5	16.8	44.6	55.4
Virginia	5.1	5.1	4.9	4.3	48.9	51.1	40.6	10.5	79.4	20.6
West Virginia	5.1	5.0	4.9	4.7	53.2	46.8	37.7	9.1	80.6	19.4
North Carolina	5.1	5.2	5.0	5.0	52.6	47.4	39.3	8.1	82.9	17.1
South Carolina	5.0	5.1	4.8	4.8	67.8	32.2	26.3	6.9	78.5	21.5
Georgia	4.9	4.9	4.7	4.6	66.1	33.9	24.2	6.7	78.2	21.8
Florida	4.5	4.4	4.4	4.1	57.5	42.5	32.7	9.7	77.1	22.9
East South Central	4.9	4.8	4.7	4.5	67.3	32.7	33.0	9.7	77.2	22.8
Kentucky	4.9	4.7	4.6	4.4	48.4	51.6	40.1	11.5	77.3	22.7
Tennessee	4.9	4.8	4.7	4.5	52.3	47.7	37.6	10.1	78.8	21.2
Alabama	4.8	4.9	4.7	4.6	65.0	35.0	26.3	8.7	75.0	25.0
Mississippi	4.8	4.6	4.7	4.4	66.0	34.0	25.9	8.1	76.3	23.7
West South Central	4.9	4.9	4.8	4.6	57.8	42.2	29.5	12.6	70.0	30.0
Arkansas	4.8	4.7	4.7	4.5	54.9	45.1	32.4	12.7	71.9	28.1
Louisiana	5.0	4.9	4.8	4.6	66.3	33.7	26.7	6.9	79.4	20.6
Oklahoma	4.8	4.8	4.7	4.6	54.5	45.5	27.0	18.5	59.4	40.6
Texas	5.0	4.9	4.9	4.6	57.2	42.8	30.6	12.2	71.4	28.6
Mountain	4.5	4.5	4.3	4.2	44.8	55.2	35.5	18.7	64.4	35.6
Montana	4.5	4.2	4.3	3.9	39.5	60.5	33.4	27.1	55.2	44.8
Idaho	4.5	4.5	4.4	4.3	39.1	60.9	32.6	28.3	53.5	46.5
Wyoming	4.7	4.3	4.5	4.0	48.1	51.9	32.4	19.6	62.3	37.7
Colorado	4.3	4.5	4.1	4.1	48.4	51.6	32.1	19.5	62.2	37.8
New Mexico	4.3	4.6	4.1	4.3	40.6	59.4	40.0	10.4	82.5	17.5
Arizona	4.5	4.6	4.3	4.2	57.2	42.8	32.5	10.3	75.9	24.1
Utah	5.1	5.0	4.8	4.0	40.0	60.0	41.3	18.7	68.8	31.2
Nevada	3.6	3.7	3.5	3.5	52.4	47.6	39.8	7.8	83.6	16.4
Pacific	4.7	4.4	4.3	3.9	52.1	47.9	32.4	19.4	59.4	40.6
Washington	4.8	4.5	4.5	4.0	45.3	54.7	32.6	22.2	59.5	40.5
Oregon	4.6	4.2	4.4	3.9	45.2	54.8	34.2	20.6	62.4	37.6
California	4.6	4.2	4.4	3.8	56.3	43.7	25.6	18.1	58.5	41.5

Source: Bureau of the Census, Department of Commerce.

No. 30.—FOREIGN-BORN POPULATION, ALL RACES, BY COUNTRY OF BIRTH: CONTINENTAL UNITED STATES

Country of birth	Number						Per cent of increase ¹	
	1870	1880	1890	1900	1910	1920	1900-1910	1910-1920
Total foreign born.....	5,567,229	6,678,243	9,249,560	10,341,276	13,515,888	18,020,692	30.7	3.0
Europe.....	4,938,618	5,744,311	8,020,603	8,871,780	11,791,841	11,882,053	32.9	0.8
Northwestern Europe.....	8,124,633	9,494,424	4,380,752	4,202,683	4,239,027	8,830,094	0.9	-9.6
England.....	555,046	604,160	909,002	840,513	877,710	813,853	4.4	-7.3
Scotland.....	140,835	170,136	242,231	233,524	261,076	254,570	11.8	-2.5
Wales.....	74,533	83,302	100,079	93,566	82,488	67,000	-11.9	-18.7
Ireland.....	1,855,827	1,854,871	1,371,509	1,615,459	1,352,251	1,037,234	-16.3	-23.3
Norway.....	114,246	181,729	322,605	330,388	363,877	363,863	20.1	-0.9
Sweden.....	97,332	194,337	478,041	682,014	665,207	625,585	14.3	-6.0
Denmark ²	30,107	64,196	132,543	153,600	181,049	189,154	18.2	4.1
Netherlands.....	46,802	58,000	81,825	94,931	120,063	131,766	26.5	0.7
Belgium ³	12,553	15,535	22,639	20,757	49,400	62,687	66.0	20.9
Luxemburg.....	5,302	12,836	2,822	3,031	3,071	12,685	1.3	300.8
Switzerland.....	75,153	85,621	104,069	115,593	124,848	118,659	8.0	-5.0
France ⁴	116,402	106,971	113,174	104,197	117,418	153,072	12.7	30.4
Central and Eastern Europe.....	1,784,440	2,187,776	3,420,829	4,136,646	6,024,041	6,134,845	45.0	1.8
Germany ⁵	1,090,533	1,906,742	2,784,804	2,663,413	2,311,237	1,680,103	-13.2	-27.0
Poland ⁶	14,430	48,857	147,440	383,407	937,894	1,139,979	144.6	21.5
Czechoslovakia ⁷						362,438		
Austria ⁸	70,797	124,024	241,377	432,798	845,555	575,627	95.4	-31.9
Hungary ⁹	3,737	11,626	62,435	145,714	495,009	307,283	240.1	-19.8
Yugoslavia ¹⁰						109,450		
Serbia ¹¹						4,639		
Montenegro ¹²						5,374		
Russia and Lithuania.....	4,044	35,722	182,644	423,720	1,184,412	1,535,563	179.5	29.6
Finland.....				62,641	129,650	149,824	107.0	15.5
Rumania ¹³				15,032	65,923	102,823	338.0	56.0
Bulgaria ¹⁴					11,498	10,477		-8.9
Turkey in Europe ¹⁵	302	1,205	1,839	6,510	7,320	5,284	225.2	-33.6
Southern Europe.....	25,853	53,265	206,648	530,200	1,525,875	1,911,213	187.9	25.3
Greece ¹⁶	300	776	1,887	8,515	101,282	175,976	1,089.5	73.7
Albania.....					(¹⁷)	5,608		
Italy ¹⁸	17,157	44,230	182,580	484,027	1,343,125	1,610,113	177.5	10.9
Spain.....	3,704	5,121	6,185	7,050	22,103	49,635	213.0	124.1
Portugal.....	4,542	8,138	15,990	30,608	60,360	60,981	93.9	17.9
Other Europe ¹⁹	1,078	3,786	12,570	2,251	2,858	5,001	471.8	106.5
Asia.....	64,565	107,630	113,396	120,246	191,484	237,950	59.2	24.3
Armenia, Palestine, Syria, and Turkey in Asia.....	(²⁰)	(²¹)	(²²)	(²³)	59,729	102,751		72.0
China.....	63,042	104,468	106,701	81,534	56,750	43,500	-30.4	-23.3
Japan.....	73	401	2,202	24,788	67,744	81,502	173.3	20.3
India.....	580	1,707	2,143	2,031	4,604	4,901	129.6	5.1
Other Asia.....	804	1,054	2,200	11,805	2,591	5,230	-78.2	102.1
America.....	551,336	807,230	1,088,245	1,317,380	1,469,231	1,727,017	13.0	16.0
Canada and Newfoundland ²⁴	403,464	717,157	980,038	1,179,922	1,209,717	1,138,174	2.5	-5.9
Canada.....								
French ²⁵			302,490	305,126	385,083	307,780	-2.5	-20.1
Other ²⁶			678,442	784,796	819,554	817,129	4.4	-0.3
Newfoundland ²⁷					5,080	13,249		160.8
West Indies.....	11,570	16,401	23,250	25,435	47,435	78,962	87.3	65.8
Mexico.....	42,435	68,399	77,853	103,393	221,915	436,418	114.6	119.2
Central and South America.....	3,866	5,273	6,198	8,630	9,964	23,403	15.5	135.5
All other.....	14,711	20,772	27,311	31,808	43,330	73,672	36.0	70.0

¹ A minus sign (-) denotes decrease.
² Boundaries changed since 1910. Statistics for 1920 relate to postwar boundaries; for 1910, to prewar boundaries.
³ Persons reported in 1910 as of Polish mother tongue born in Germany (190,066), Austria (320,418), and Russia (418,370) have been deducted from the respective countries and combined as Poland for comparison with number reported in 1920 as born in Poland. Though Poland before 1919 was divided among Russia, Germany, and Austria, the censuses of 1870 to 1900 listed it as a country of birth.
⁴ Created since 1910.
⁵ Included as part of Yugoslavia in 1920.
⁶ Turkey in Asia included with Turkey in Europe prior to 1910.
⁷ Albania included with Turkey in Europe in 1910 and earlier years.
⁸ Includes "Europe, not specified" at each census, and Danzig, Pflume, and Saar Basin in 1920.
⁹ Newfoundland included with Canada prior to 1910.
¹⁰ Except possessions of the United States.

No. 31.—FOREIGN-BORN WHITE POPULATION, BY COUNTRY OF BIRTH, CONTINENTAL UNITED STATES

NOTE.—Statistics for 1910 are on the basis of prewar, for 1920, postwar boundaries (see notes to Table 30). For estimates of the total white population by countries of origin, calculated for immigration purposes, see Table 116

Country of birth	1910		1920		Country of birth	1920		1920	
	Number	Per cent	Number	Per cent		Number	Per cent	Number	Per cent
Total	13,345,546	100.0	13,712,754	100.0	E. Europe—Contd.				
Europe	11,787,878	88.3	11,877,991	86.6	Bulgaria.....	11,453	0.1	10,477	0.1
Northwestern Europe	4,237,373	31.8	8,328,876	27.9	Turkey in Europe ²	32,221	0.2	5,284	(1)
England.....	876,455	6.6	812,828	5.9	Southern Europe	1,623,934	11.4	1,908,389	13.9
Scotland.....	261,034	2.0	254,507	1.9	Greece ⁴	101,264	0.8	175,972	1.3
Wales.....	82,479	0.6	87,066	0.5	Albania.....	(2)	---	5,608	(1)
Ireland.....	1,352,155	10.1	1,037,233	7.6	Italy ⁴	1,343,070	10.1	1,610,109	11.7
Norway.....	463,858	3.0	363,862	2.7	Spain.....	21,977	0.2	49,247	0.4
Sweden.....	665,183	5.0	625,580	4.6	Portugal.....	57,623	0.4	67,453	0.5
Denmark.....	181,621	1.4	189,154	1.4	Other Europe	2,953	(1)	5,001	(1)
Netherlands.....	120,053	0.9	131,766	1.0	Asia.....	64,314	0.5	110,450	0.8
Belgium.....	49,397	0.4	62,686	0.5	Turkey in Asia ²	59,702	0.4	11,014	0.1
Luxemburg.....	3,068	(1)	12,585	0.1	Armenia.....	(2)	---	36,626	0.3
Switzerland.....	124,834	0.9	118,659	0.9	Palestine.....	(2)	---	3,202	(1)
France ⁴	117,236	0.9	152,890	1.1	Syria.....	(2)	---	51,900	0.4
Central Europe	4,181,703	31.3	4,330,880	31.6	Other Asia.....	4,612	(1)	7,708	0.1
Germany ²	2,501,181	18.7	1,636,102	12.3	America.....	1,453,186	10.9	1,656,801	12.1
Poland.....	(3)	---	1,139,978	8.3	Canada.....				
Czechoslovakia.....	(3)	---	362,436	2.6	French.....	385,083	2.9	307,786	2.2
Austria ²	1,174,924	8.8	575,625	4.2	Other.....	810,987	6.1	810,092	5.9
Hungary ²	495,600	3.7	397,282	2.9	Newfoundland.....	5,076	(1)	13,242	0.1
Serbia.....	4,635	(1)	(2)	---	Mexico.....	219,802	1.6	478,363	3.5
Montenegro.....	5,363	(1)	(2)	---	West Indies ⁴	23,169	0.2	26,369	0.2
Yugoslavia.....	---	---	169,437	1.2	Central and South America.....	9,069	0.1	20,929	0.2
Eastern Europe	1,842,016	13.8	1,803,965	13.2	Other countries.....	40,167	0.3	67,512	0.5
Russia.....	1,602,752	12.0	1,400,489	10.2	Atlantic Islands.....	15,795	0.1	38,984	0.3
Lithuania.....	(2)	---	135,068	1.0	Australia.....	8,938	0.1	10,801	0.1
Finland.....	120,669	1.0	149,824	1.1	All other.....	15,434	0.1	17,727	0.1
Rumania ⁴	65,920	0.5	102,823	0.7					

¹ Less than one-tenth of 1 per cent.
² Included in another country or countries.
³ Boundaries changed with loss of territory.

⁴ Boundaries changed with increase of territory.
⁵ Excluding possessions of United States in 1920.

No. 32.—URBAN AND RURAL FOREIGN-BORN POPULATION: CONTINENTAL UNITED STATES, 1920, BY COUNTRY OF BIRTH

NOTE.—See Table 37 for explanation of urban and rural segregation

Country of birth	Urban	Rural	Percent urban	Country of birth	Urban	Rural	Percent urban
Total foreign born	10,500,942	8,410,760	75.4	Bulgaria.....	7,879	2,598	75.2
Northwestern Europe	2,737,407	1,092,687	71.5	Turkey in Europe.....	4,826	458	91.3
England.....	620,676	193,177	76.3	Southern Europe	1,607,948	303,270	84.1
Scotland.....	195,614	68,956	76.8	Greece.....	154,052	21,924	87.5
Wales.....	47,716	19,350	71.1	Albania.....	5,156	452	91.9
Ireland.....	900,947	136,287	86.9	Italy.....	1,369,250	250,863	84.4
Norway.....	171,098	102,165	47.2	Spain.....	26,363	13,172	73.4
Sweden.....	394,700	230,885	63.1	Portugal.....	53,122	16,859	75.9
Denmark.....	101,016	88,138	53.4	Other Europe	4,523	1,378	76.8
Netherlands.....	74,424	57,342	56.5	Asia.....	170,690	67,260	71.7
Belgium.....	41,710	20,977	66.5	Armenia.....	30,307	6,321	82.7
Luxemburg.....	7,213	5,372	57.3	Palestine.....	2,914	289	91.0
Switzerland.....	67,731	50,628	57.1	Syria.....	45,321	6,580	87.3
France.....	113,962	39,110	74.4	Turkey in Asia.....	0,854	1,165	89.4
Central Europe	3,207,139	1,123,735	74.1	China.....	34,635	8,925	79.5
Germany.....	1,137,961	548,147	67.5	Japan.....	40,751	40,751	50.0
Poland.....	901,813	178,169	84.4	India.....	2,693	2,208	64.9
Czechoslovakia.....	240,463	121,685	69.3	Other Asia.....	4,215	1,021	80.5
Austria.....	431,670	143,887	75.0	America.....	1,170,024	558,993	67.7
Hungary.....	317,737	79,546	80.0	Canada—French.....	243,750	64,036	79.2
Yugoslavia.....	117,695	61,934	69.3	Canada—Other.....	591,812	228,327	72.4
Eastern Europe	1,545,926	268,045	85.7	Newfoundland.....	12,037	1,212	90.9
Russia.....	1,241,157	169,338	88.6	West Indies ¹	72,742	6,220	92.1
Lithuania.....	118,634	16,434	87.8	Mexico.....	229,179	257,239	47.1
Finland.....	79,974	69,850	53.4	Central and South America.....	20,504	2,950	87.4
Rumania.....	93,456	9,367	90.9	All other.....	67,260	18,382	77.8

¹ Except possessions of the United States.

No. 33.—FOREIGN WHITE STOCK, BY MOTHER TONGUE: CONTINENTAL UNITED STATES

NOTE.—The last two columns include native white persons (1) having both parents foreign born and of the specified foreign tongue, and (2) having one parent foreign born and of the specified mother tongue and the other parent native. Persons having both parents foreign born, one parent of one mother tongue and the other of another, are grouped in the last line

Linguistic group and mother tongue	Total foreign white stock				Per cent of increase, 1910-1920 ¹	Foreign-born white		Native white of foreign or mixed parentage	
	Number		Per cent distribution			1910	1920	1910	1920
	1910	1920	1910	1920		1910	1920	1910	1920
Total	32,243,382	36,398,958	100.0	100.0	12.9	13,345,545	13,712,754	13,897,837	22,688,204
English and Celtic ²	9,980,861	9,729,365	30.8	26.7	-2.0	3,363,792	3,007,932	6,567,069	6,721,433
Germanic	9,000,139	8,632,500	27.9	23.7	-4.2	2,910,857	2,449,364	6,089,282	6,173,136
German	5,646,402	5,164,111	26.8	22.4	-5.6	2,759,032	2,267,128	5,887,370	5,896,983
Dutch and Frisian	311,015	370,499	1.0	1.0	19.1	125,045	136,540	184,970	233,960
Flemish	42,722	87,890	0.1	0.2	105.7	20,780	45,690	10,342	42,194
Scandinavian	2,781,402	2,972,796	8.6	8.2	6.9	1,272,150	1,194,933	1,509,252	1,777,863
Swedish	1,894,410	1,485,062	4.3	4.1	0.5	693,218	643,203	711,192	841,859
Norwegian	976,827	1,020,788	3.0	2.8	4.5	402,587	362,199	574,240	658,589
Danish ³	410,165	466,946	1.3	1.3	13.8	186,345	189,531	223,820	277,416
Latin and Greek	4,185,632	6,036,001	13.0	16.6	44.2	2,395,398	2,990,954	1,800,544	3,045,047
Italian ⁴	2,135,393	3,365,804	6.6	9.2	57.0	1,305,110	1,624,998	770,283	1,740,866
French	1,288,897	1,290,110	4.0	3.5	0.1	528,842	466,956	760,055	823,164
Spanish ⁵	444,132	850,848	1.4	2.3	91.6	258,181	556,111	186,001	294,737
Portuguese	139,221	215,728	0.4	0.6	55.0	72,649	105,895	60,572	109,833
Rumanian	49,588	91,683	0.2	0.3	84.9	42,277	62,336	7,311	29,347
Greek	128,701	221,708	0.4	0.6	72.3	118,379	174,658	10,322	47,110
Slavic and Lettic	3,194,047	5,270,581	9.9	14.5	65.0	1,881,669	2,460,832	1,362,981	2,810,249
Polish	1,684,108	2,436,895	5.2	6.7	44.7	943,781	1,077,392	740,827	1,360,503
Czech	531,193	622,796	1.6	1.7	17.2	228,738	234,564	302,455	383,232
Slovak	281,707	619,866	0.9	1.7	120.0	166,474	274,948	115,233	344,918
Russian ⁶	91,341	731,949	0.3	2.0	701.3	57,926	392,049	33,415	339,900
Ruthenian	34,837	95,458	0.1	0.3	174.0	25,131	55,672	9,708	39,738
Slovenian	181,594	208,562	0.6	0.6	14.8	123,631	102,744	57,903	105,898
Serbo-Croatian—									
Croatian	92,260	140,559	0.3	0.4	52.4	74,036	83,063	18,224	57,496
Dalmatian	5,372	3,119	(?)	(?)	-41.9	4,344	2,112	1,028	1,007
Serbian	20,453	52,203	0.1	0.1	97.1	23,403	36,471	3,800	15,737
Montenegrin	3,949	4,535	(?)	(?)	14.8	3,830	4,193	63	337
Bulgarian	19,183	14,420	0.1	(?)	-24.8	18,341	12,853	842	1,507
Slavic not specified ⁸	34,799	3,624	0.1	(?)	-89.0	21,012	2,039	13,787	1,585
Lithuanian and Lettish	207,821	336,600	0.6	0.9	62.0	140,963	182,227	66,858	154,373
Unclassified	2,261,568	2,956,321	7.0	8.1	30.7	1,465,420	1,602,073	796,143	1,354,248
Yiddish and Hebrew	1,664,142	2,043,613	5.2	5.6	22.8	1,051,767	1,091,820	612,375	951,793
Magyar	315,283	473,538	1.0	1.3	50.2	229,094	263,112	80,189	205,426
Finnish ⁹	197,515	205,472	0.6	0.7	34.4	120,036	133,507	77,429	131,906
Armenian	29,690	52,340	0.1	0.1	73.0	23,938	37,047	5,752	15,193
Syrian and Arabic	40,495	104,130	0.1	0.3	124.0	32,868	57,557	13,027	46,532
Turkish	5,310	8,505	(?)	(?)	60.2	4,709	6,027	601	1,873
Albanian	2,368	6,426	(?)	(?)	172.5	2,312	5,515	40	911
All other ¹⁰	770	1,788	(?)	(?)	132.2	646	1,223	124	560
Unknown or mixed mother tongue	898,898	811,394	2.8	2.2	-8.7	118,272	7,160	772,566	804,228
Unknown	297,018	20,336	0.9	0.1	-63.2	116,272	7,166	181,646	13,170
Of mixed mother tongue ¹¹	500,920	791,058	1.8	2.2	33.9			590,920	791,058

¹ A minus sign (-) denotes decrease.

² Includes persons reporting Irish, Scotch, or Welsh.

³ Includes Icelandic (5,105 in 1910, 5,634 in 1920).

⁴ Includes Romanians and Friulians (3,183 in 1910, 2,206 in 1920).

⁵ Includes Basque (656 in 1910, 527 in 1920).

⁶ Probably includes a considerable proportion of Hebrews, erroneously reported as of Russian mother tongue, especially in 1920; the increase over 1910 is misleading.

⁷ Less than one-tenth of 1 per cent.

⁸ Practically all Wendish in 1920; 395 reported as Wendish in 1910.

⁹ Includes Lappish and Estonian (2,533 in 1910, 1,390 in 1920).

¹⁰ Comprises Persian (592 in 1910, 1,159 in 1920), Gypsy (156 in 1910, 173 in 1920), Georgian (14 in 1910, 65 in 1920), Kurdish (8 in 1910, 122 in 1920), and Egyptian (269 in 1920).

¹¹ The term "Of mixed mother tongue" refers to natives whose foreign-born parents were reported as of different mother tongues.

Source: Bureau of the Census, Department of Commerce.

No. 34.—FOREIGN-BORN WHITES BY

Division and State	Total foreign-born white, 1920	Northwestern Europe							Netherlands
		United Kingdom and Ireland				Scandinavia			
		England	Scotland	Wales	Ireland	Norway	Sweden	Denmark	
Continental United States.	13,712,764	812,828	254,567	67,066	1,037,238	863,862	625,650	188,154	131,766
New England	1,870,654	147,098	47,591	2,898	267,428	8,564	67,288	8,459	2,912
Maine.....	107,340	5,149	2,171	137	5,748	581	2,026	1,065	50
New Hampshire.....	91,233	4,367	1,823	51	7,908	427	1,886	204	177
Vermont.....	44,526	2,197	1,854	549	2,884	106	1,123	155	32
Massachusetts.....	1,077,634	86,895	28,474	1,307	183,171	5,491	38,012	3,629	2,071
Rhode Island.....	173,499	25,782	5,692	245	22,253	545	6,542	365	138
Connecticut.....	376,513	22,708	7,487	650	45,464	1,414	17,607	3,040	444
Middle Atlantic	4,912,675	272,752	83,583	23,155	473,319	35,362	63,547	22,991	27,847
New York.....	2,786,112	135,305	37,654	6,793	284,747	27,573	53,025	14,222	13,772
New Jersey.....	738,613	46,781	17,781	1,255	65,971	5,343	10,675	5,704	12,737
Pennsylvania.....	1,387,850	90,666	28,448	21,107	121,601	2,446	19,847	3,065	1,338
East North Central	8,223,279	163,892	51,650	15,226	135,147	82,137	165,388	43,018	59,683
Ohio.....	678,697	43,140	12,143	7,772	29,262	1,487	7,266	2,353	2,529
Indiana.....	150,868	8,522	3,707	1,106	7,271	544	4,942	990	2,018
Illinois.....	1,206,051	54,247	19,538	3,444	74,274	27,785	105,577	17,098	14,344
Michigan.....	726,635	47,149	13,175	1,154	16,531	6,888	24,707	7,178	33,490
Wisconsin.....	460,128	10,834	3,022	1,750	7,809	45,433	22,896	15,420	7,473
West North Central	1,371,961	53,528	17,196	5,693	49,888	166,290	187,625	61,749	24,399
Minnesota.....	486,164	10,958	3,028	854	10,289	90,188	112,117	16,904	5,380
Iowa.....	225,647	13,036	3,967	1,753	10,636	17,344	22,493	18,020	12,471
Missouri.....	186,026	10,400	2,969	903	15,022	610	4,741	1,688	906
North Dakota.....	131,603	2,287	1,229	120	1,660	38,190	10,543	4,552	903
South Dakota.....	82,391	2,943	832	346	1,954	16,313	8,573	5,933	3,218
Nebraska.....	149,652	6,000	1,695	547	5,422	2,165	18,821	12,338	846
Kansas.....	110,578	7,899	2,576	1,170	4,825	970	10,337	2,263	675
South Atlantic	315,920	24,266	7,455	1,773	20,145	2,269	4,418	2,123	1,459
Delaware.....	19,810	1,437	411	44	2,895	65	316	77	37
Maryland.....	102,177	5,095	1,692	490	6,580	536	650	382	314
District of Columbia.....	28,548	2,990	793	106	4,320	219	481	237	127
Virginia.....	30,785	3,762	1,327	163	1,732	491	664	459	335
West Virginia.....	61,806	3,433	998	704	1,459	51	320	121	66
North Carolina.....	7,680	967	446	26	301	70	170	69	11.5
South Carolina.....	6,401	461	190	10	442	85	133	76	30
Georgia.....	16,186	1,593	539	86	1,112	132	299	127	78
Florida.....	43,008	4,451	1,068	136	1,304	610	1,399	575	357
East South Central	71,939	6,060	2,093	455	5,934	450	1,514	531	322
Kentucky.....	30,750	1,863	520	149	3,422	75	214	89	150
Tennessee.....	16,478	1,665	454	143	1,291	63	305	138	58
Alabama.....	17,602	1,942	976	145	809	215	748	191	83
Mississippi.....	8,010	590	144	13	412	97	247	113	31
West South Central	459,333	13,327	3,711	765	8,330	2,691	6,320	2,580	1,108
Arkansas.....	13,975	1,137	316	90	670	99	351	130	116
Louisiana.....	44,871	1,819	447	76	2,000	555	522	331	260
Oklahoma.....	39,968	2,680	1,120	319	1,321	297	681	561	170
Texas.....	360,519	7,085	1,828	278	4,333	1,740	4,336	1,508	554
Mountain	453,225	44,578	12,966	4,907	10,634	17,400	32,232	17,023	5,252
Montana.....	93,620	8,159	3,279	879	7,260	9,962	7,179	2,990	1,675
Idaho.....	38,963	4,451	1,228	575	1,410	2,432	5,112	2,240	439
Wyoming.....	25,255	2,505	1,439	297	956	651	2,042	936	130
Colorado.....	116,954	9,584	3,357	1,482	6,191	1,525	10,112	2,823	853
New Mexico.....	29,077	888	440	78	434	128	316	115	70
Arizona.....	78,099	2,822	595	192	1,206	337	859	399	69
Utah.....	56,455	14,836	2,310	1,304	1,207	2,109	6,073	6,970	1,980
Nevada.....	14,802	1,271	338	100	970	206	845	551	36
Pacific	1,033,868	37,331	28,092	6,065	58,438	48,719	77,950	30,692	8,606
Washington.....	250,055	20,806	7,886	2,040	8,927	30,304	34,793	3,359	3,097
Oregon.....	102,151	7,953	3,609	592	4,203	6,955	10,832	3,002	917
California.....	681,662	58,572	16,597	3,433	45,308	11,400	31,925	18,721	4,592

COUNTRY OF BIRTH, BY STATES, 1920

Northwestern Europe—Continued			Central Europe						Eastern Europe			Division and State
Belgium and Luxemburg	Switzerland	France	Germany	Poland	Czechoslovakia	Austria	Hungary	Yugoslavia	Russia	Lithuania		
75,271	118,859	152,890	1,686,102	1,139,979	382,436	575,625	397,282	169,437	1,400,489	135,068	U. S.	
4,525	3,768	13,246	51,129	131,378	9,658	23,081	15,187	2,405	147,371	35,361	N. E.	
87	82	344	932	1,717	410	305	72	143	3,703	1,032	Me.	
458	72	288	1,714	3,997	75	380	66	120	3,407	1,017	N. H.	
17	187	197	630	1,720	108	283	264	56	1,333	67	Vt.	
2,530	1,308	7,120	22,113	69,187	2,238	8,098	1,387	950	92,034	20,789	Mass.	
932	211	1,971	3,120	8,188	264	1,307	176	146	8,055	704	R. I.	
456	1,893	3,326	22,614	46,623	6,558	12,699	13,222	990	38,719	11,662	Conn.	
13,945	30,093	55,149	508,226	515,709	123,863	310,844	190,224	48,087	763,891	49,594	M. A.	
5,864	15,053	32,179	295,650	247,519	38,247	151,172	78,374	8,547	529,240	12,121	N. Y.	
2,650	8,165	10,165	92,382	90,419	16,747	36,917	40,470	3,313	73,527	6,246	N. J.	
4,981	6,875	12,805	120,194	177,770	68,869	122,755	71,380	36,227	161,124	30,227	Pa.	
34,799	30,379	29,612	592,058	402,259	143,743	145,275	149,592	72,343	238,022	44,307	E. N. C.	
2,175	9,656	3,056	11,898	67,579	42,121	48,073	73,181	30,377	43,690	4,095	Ohio.	
2,631	2,334	3,247	37,377	17,791	3,941	9,100	9,351	4,471	7,673	1,445	Ind.	
14,540	7,837	11,993	205,491	162,405	66,709	46,457	34,437	19,285	117,890	30,358	Ill.	
10,978	2,755	4,174	36,047	103,928	11,161	22,004	22,607	9,426	45,313	5,475	Mich.	
4,475	7,707	2,142	151,250	60,558	19,811	19,641	10,016	8,784	21,447	2,934	Wis.	
12,005	15,858	11,432	293,035	38,292	80,906	37,504	17,640	18,189	110,766	2,098	W. N. C.	
3,838	2,720	1,803	74,634	18,537	12,020	11,550	4,277	10,697	16,100	741	Minn.	
2,862	2,871	2,125	70,642	2,028	9,150	4,334	747	1,603	7,319	687	Iowa.	
1,253	4,934	3,825	55,776	7,639	4,971	8,676	8,080	2,327	18,769	417	Mo.	
685	506	850	11,960	2,236	2,056	2,059	2,519	199	29,617	32	N. Dak.	
731	761	335	15,674	2,792	2,819	1,151	535	470	11,193	14	S. Dak.	
852	1,808	853	40,960	4,615	15,818	4,551	810	738	15,718	139	Nebr.	
1,784	2,238	2,136	23,380	2,418	3,466	5,183	622	2,155	12,050	68	Kans.	
1,634	2,348	4,112	40,898	25,432	6,920	12,077	10,696	3,661	43,362	3,245	S. A.	
29	76	198	1,632	3,847	122	122	615	27	2,244	90	Del.	
157	509	818	22,032	12,061	3,553	3,620	1,947	359	24,791	2,209	Md.	
89	358	687	3,382	716	122	525	219	43	5,181	38	D. C.	
129	239	455	2,802	1,103	897	921	1,268	127	5,421	71	Va.	
944	545	633	3,798	5,799	1,549	5,115	6,260	2,802	3,911	717	W. Va.	
18	72	136	793	210	20	149	66	29	932	29	N. C.	
62	31	78	1,079	351	45	206	56	22	1,187	9	S. C.	
52	161	379	1,936	917	123	401	248	84	3,452	72	Ga.	
154	357	731	3,534	428	189	525	383	88	1,243	13	Fla.	
266	2,176	2,191	16,662	2,590	617	2,023	1,829	768	7,498	76	E. S. C.	
102	1,315	984	11,137	1,037	240	909	1,084	354	2,736	56	Ky.	
39	616	333	2,169	841	82	398	326	37	2,262	3	Tenn.	
81	174	619	2,427	394	232	583	372	155	1,582	12	Ala.	
44	71	258	926	318	63	130	47	220	828	5	Miss.	
1,307	3,433	8,071	47,217	7,206	15,438	9,195	1,664	1,867	14,852	219	W. S. C.	
102	736	387	3,979	529	492	630	108	117	662	27	Ark.	
359	378	4,182	5,147	377	302	725	305	312	1,928	23	La.	
341	629	958	7,029	1,253	1,825	1,393	911	218	5,005	132	Okla.	
505	1,690	2,544	31,062	5,047	12,810	6,441	840	620	7,057	37	Tex.	
1,980	6,695	4,066	33,662	4,875	5,295	13,070	3,233	10,771	26,690	280	Mt.	
825	1,151	888	7,873	1,219	1,805	3,298	935	3,782	5,203	80	Mont.	
183	1,347	482	4,143	287	420	781	233	460	1,458	9	Idaho.	
148	302	361	2,292	544	518	1,183	349	1,189	1,462	33	Wyo.	
521	1,510	1,420	11,992	1,867	1,958	5,722	1,157	2,109	16,699	115	Colo.	
82	148	377	1,178	163	113	423	130	635	254	8	N.Mex.	
82	293	394	1,516	261	148	486	210	1,167	816	16	Ariz.	
108	1,566	434	3,589	240	103	987	179	886	684	12	Utah.	
31	373	609	1,069	104	86	190	40	693	124	7	Nev.	
5,260	23,934	24,112	103,235	12,468	6,301	22,556	7,217	12,028	45,327	889	Pac.	
1,753	3,071	2,452	22,315	3,906	1,792	6,494	1,056	3,665	11,124	527	Wash.	
2,645	4,166	1,273	13,740	1,880	1,132	2,798	909	1,186	6,979	101	Oreg.	
	16,097	20,387	67,180	7,032	3,377	13,264	5,252	7,277	27,224	260	Calif.	

No. 34.—FOREIGN-BORN WHITES BY COUNTRY

Division and State	Eastern Europe—Continued				Southern Europe				Other Europe ¹
	Finland	Rumania	Bulgaria	Turkey in Europe	Greece	Italy	Spain	Portugal	
Continental United States.	149, 824	102, 823	10, 477	5, 284	175, 972	1, 610, 109	49, 247	67, 453	11, 509
New England	19, 543	3, 123	214	631	32, 156	238, 503	2, 856	36, 426	3, 028
Maine	1, 993	67	5	66	1, 228	2, 797	33	143	413
New Hampshire	1, 558	25	8	---	5, 280	2, 074	13	115	120
Vermont	476	19	3	---	1, 467	4, 087	661	29	10
Massachusetts	14, 570	1, 445	120	451	20, 441	117, 007	324	28, 315	2, 047
Rhode Island	320	370	45	45	1, 219	32, 241	87	3, 024	153
Connecticut	1, 226	1, 202	33	69	3, 851	80, 322	1, 233	1, 200	235
Middle Atlantic	17, 431	55, 910	1, 336	2, 534	44, 531	925, 222	16, 731	2, 643	2, 588
New York	12, 504	40, 116	614	2, 050	26, 117	545, 173	12, 543	1, 404	1, 257
New Jersey	2, 109	4, 564	96	105	4, 521	157, 285	2, 000	646	224
Pennsylvania	2, 818	11, 230	656	289	13, 893	222, 764	2, 183	798	1, 037
East North Central	46, 578	29, 339	5, 808	1, 055	45, 135	203, 180	3, 003	354	3, 230
Ohio	6, 403	13, 068	2, 535	569	13, 540	60, 658	1, 280	146	733
Indiana	237	2, 731	431	70	4, 132	6, 712	407	14	140
Illinois	3, 080	6, 238	940	181	16, 465	94, 407	746	110	675
Michigan	30, 096	6, 331	1, 692	179	7, 115	30, 216	441	67	1, 074
Wisconsin	6, 757	970	208	36	3, 833	11, 137	74	17	549
West North Central	31, 635	6, 950	1, 095	124	11, 236	34, 488	776	56	727
Minnesota	29, 108	2, 385	456	30	2, 391	7, 422	36	7	190
Iowa	107	297	269	18	2, 834	4, 066	41	14	55
Missouri	98	1, 047	145	44	3, 022	14, 609	435	12	278
North Dakota	1, 108	1, 811	31	17	3, 420	176	0	2	25
South Dakota	1, 085	154	97	5	375	413	5	4	28
Nebraska	73	371	61	4	1, 504	3, 547	38	6	62
Kansas	56	285	36	6	640	3, 355	214	11	59
South Atlantic	1, 281	2, 163	161	203	11, 449	40, 267	6, 523	436	374
Delaware	52	110	---	3	239	4, 136	142	18	7
Maryland	175	537	18	19	964	6, 543	221	21	80
District of Columbia	104	80	5	72	1, 207	3, 764	103	11	25
Virginia	240	165	17	32	1, 796	2, 435	203	95	86
West Virginia	289	625	98	23	3, 159	14, 147	1, 640	14	73
North Carolina	15	31	1	17	561	453	16	10	7
South Carolina	53	26	1	10	578	344	19	6	10
Georgia	42	111	5	21	1, 473	700	123	39	61
Florida	311	472	16	6	1, 408	4, 745	4, 091	222	25
East South Central	219	441	51	50	2, 014	8, 594	212	20	112
Kentucky	50	192	28	22	401	1, 933	68	6	31
Tennessee	33	93	5	5	491	2, 079	14	6	35
Alabama	74	120	18	22	615	2, 732	70	4	55
Mississippi	62	36	---	1	207	1, 841	60	4	10
West South Central	456	663	241	101	3, 483	27, 724	2, 495	183	343
Arkansas	18	62	17	1	277	1, 314	22	4	11
Louisiana	147	93	49	14	610	16, 264	1, 268	100	76
Oklahoma	101	65	105	11	619	2, 122	124	13	50
Texas	189	443	70	75	1, 977	3, 024	1, 081	66	211
Mountain	7, 718	1, 053	821	72	6, 483	23, 497	4, 561	532	249
Montana	3, 577	344	264	28	1, 465	3, 842	68	30	51
Idaho	989	104	39	5	716	1, 323	1, 416	39	43
Wyoming	356	71	72	2	1, 236	1, 048	139	29	9
Colorado	379	394	349	12	1, 802	12, 579	297	33	54
New Mexico	49	8	18	2	288	1, 878	193	18	3
Arizona	407	51	28	10	329	1, 261	1, 013	30	14
Utah	779	69	30	12	3, 029	3, 226	250	4	60
Nevada	182	12	21	1	618	2, 641	1, 180	149	5
Pacific	24, 966	3, 177	752	534	16, 455	103, 639	12, 086	24, 798	373
Washington	11, 863	422	267	229	4, 224	10, 813	410	156	163
Oregon	6, 050	352	214	41	1, 928	4, 324	553	125	47
California	7, 053	2, 403	271	264	10, 313	88, 502	11, 123	24, 517	658

¹ Comprises Albania, Danzig, Fiume, Saar Basin, and "Europe, not specified."
² Comprises Hedjaz, India, China, Japan, Palestine, and "Asia, not specified."

Source: Bureau of the Census, Department of Commerce.

OF BIRTH, BY STATES, 1920—Continued

Asia				America						Other countries		All other ¹	Division and State
Armenia	Syria	Turkey in Asia	Other Asia ²	Canada		Newfoundland	Mexico	West Indies ³	Central and South America	Atlantic Islands ⁴	Australia		
				French	Other								
36,626	51,900	11,014	10,910	307,790	810,092	13,242	478,383	20,360	20,320	38,984	10,801	17,727	U. S.
11,964	11,181	2,206	1,187	240,383	233,971	8,198	203	1,446	1,681	28,484	581	1,292	N. E.
142	627	43	52	35,550	38,570	215	9	81	17	10	23	71	Me.
276	523	60	10	38,277	13,997	182	9	33	31	40	21	39	N. H.
55	228	5	10	14,181	10,687	67	5	12	42	3	5	26	Vt.
8,640	7,128	1,671	613	108,601	159,330	7,165	181	871	1,056	25,230	337	657	Mass.
1,850	1,285	262	87	28,887	7,525	233	7	139	237	2,991	43	97	R. I.
1,001	1,390	225	500	14,700	9,862	336	42	310	298	210	102	402	Conn.
10,808	15,501	4,385	3,507	17,045	120,049	2,772	4,940	11,692	9,660	835	2,188	4,075	M. A.
5,699	8,127	3,200	2,361	15,550	96,414	1,809	2,897	9,532	7,430	569	1,360	2,444	N. Y.
2,275	2,062	440	507	772	9,520	476	406	1,120	1,040	179	317	641	N. J.
2,932	5,312	695	939	713	14,116	487	1,640	1,040	1,180	87	511	990	Pa.
6,157	8,726	2,098	2,695	29,267	222,213	880	6,846	1,289	1,875	261	1,413	4,237	E. N. C.
906	3,680	637	461	1,277	22,899	147	915	533	451	42	252	679	Ohio.
134	3,717	158	171	400	4,630	44	661	51	80	7	77	239	Ind.
1,715	1,149	562	1,200	4,632	34,343	311	3,854	389	743	195	598	1,240	Ill.
2,408	3,643	663	644	18,085	146,807	245	1,208	239	432	11	307	730	Mich.
904	532	138	150	4,917	14,414	83	148	77	169	6	109	1,340	Wis.
717	3,405	322	559	10,459	69,755	181	22,184	366	729	36	548	1,683	W. N. C.
174	818	100	130	6,796	26,936	59	237	59	116	14	104	451	Minn.
101	512	61	91	401	8,828	35	2,590	71	109	8	101	270	Iowa.
181	848	83	130	208	6,295	38	3,222	182	208	5	137	326	Mo.
75	289	21	34	1,523	14,017	20	27	4	39	-----	36	110	N. Dak.
18	265	12	48	603	8,045	3	68	12	27	-----	24	118	S. Dak.
138	414	28	65	351	6,407	20	2,462	38	71	4	80	208	Nobr.
30	259	27	66	371	4,748	9	13,598	33	159	4	67	100	Kana.
402	4,064	456	380	813	13,059	280	600	9,329	812	165	274	573	S. A.
6	2	6	13	23	423	8	50	28	15	1	12	21	Del.
43	72	39	56	117	1,747	01	79	215	170	22	61	130	Md.
63	211	62	40	147	1,171	13	95	114	164	7	25	80	D. C.
164	560	77	77	106	1,817	32	79	94	117	29	41	92	Va.
41	1,235	157	31	54	903	6	74	23	48	3	33	69	W. Va.
0	592	23	44	15	641	7	28	34	30	1	14	32	N. O.
6	396	5	17	24	244	1	14	29	15	6	5	9	S. C.
28	473	49	36	50	905	22	53	89	44	9	26	50	Ga.
41	533	38	60	277	3,844	75	168	3,700	207	87	57	90	Fla.
61	1,501	93	148	179	2,967	32	529	393	191	11	80	198	E. S. C.
20	309	22	40	50	825	13	133	36	30	2	36	86	Ky.
18	127	20	48	47	925	9	107	35	44	2	15	41	Tenn.
22	482	39	31	52	840	3	132	201	65	7	21	48	Ala.
1	533	12	29	30	307	7	97	28	30	-----	8	39	Miss.
148	3,436	206	362	590	8,106	100	259,007	894	1,225	55	308	767	W. S. C.
7	213	10	23	53	822	20	250	15	23	4	25	50	Ark.
27	954	61	61	187	1,008	16	2,390	495	844	19	60	107	La.
15	691	21	73	126	2,349	11	6,697	43	67	2	54	104	Okla.
99	1,578	114	225	249	3,926	53	240,652	271	291	36	169	490	Tex.
362	1,324	190	314	3,482	30,185	196	66,592	209	465	154	623	1,117	Mt.
140	192	62	58	2,211	12,105	63	214	25	71	5	81	192	Mont.
13	49	15	31	473	4,478	50	1,125	10	24	23	57	184	Idaho.
62	82	25	22	92	1,346	4	1,780	14	20	7	17	50	Wyo.
40	239	30	103	418	7,203	30	10,894	91	133	8	112	177	Colo.
2	198	5	13	42	690	3	19,006	15	20	2	14	36	N. Mex.
8	327	15	47	90	1,872	16	60,325	11	72	1	31	134	Ariz.
80	174	18	28	45	1,421	4	1,083	8	30	4	221	294	Utah.
11	13	20	12	108	1,070	8	1,169	6	36	104	40	50	NeV.
6,009	1,762	1,048	1,738	5,568	110,756	708	87,618	911	4,311	3,964	4,838	3,840	Fao.
259	318	233	315	2,581	40,407	318	434	100	303	44	610	609	Wash.
63	185	58	95	670	13,095	49	569	58	122	48	213	296	Oreg.
5,687	1,260	704	1,328	2,300	57,256	336	86,610	753	3,886	3,892	4,013	2,875	Calif.

¹ Except possessions of the United States.

² Includes Azores and Cape Verde Islands.

³ Comprises Africa, Pacific Islands, country not specified, and at sea.

**No. 35.—CITIZENSHIP OF FOREIGN-BORN WHITES, 21 YEARS AND OVER:
 BY PRINCIPAL COUNTRIES OF BIRTH, CONTINENTAL UNITED STATES, 1920**

Country of birth	Male					Female					
	Total 21 years and over ¹	Citizens		Having first papers	Aliens	Total 21 years and over ¹	Citizens		Having first papers	Aliens	
		Num- ber	Per cent				Num- ber	Per cent			
1910, total ²	6,646,817	3,034,117	45.6	570,772	2,266,535	3,288,268	2,893,787	52.0	77,532	2,236,672	
1920, total.....	6,928,462	3,314,910	47.8	1,118,744	2,138,237	5,670,268	2,893,787	52.0	77,532	2,236,672	
EUROPE											
Northwestern Europe:											
England.....	392,116	253,937	64.8	50,338	55,149	353,282	233,702	66.2	4,500	83,801	
Scotland.....	122,598	77,903	63.6	18,125	16,942	108,060	67,789	62.2	1,024	29,901	
Wales.....	34,806	25,501	73.5	2,907	2,885	29,429	22,109	75.3	232	3,942	
Ireland.....	48,573	324,100	72.3	2,005	43,995	47,181	673,104	350,821	61.2	8,269	152,855
Norway.....	195,101	121,322	61.9	29,233	23,840	158,784	106,710	67.4	2,084	32,553	
Sweden.....	334,849	232,761	69.6	47,032	37,287	270,700	190,931	70.5	4,594	58,059	
Denmark.....	109,754	76,412	69.6	15,447	10,978	71,044	51,127	72.0	1,106	13,771	
Netherlands.....	97,001	39,462	40.7	12,304	12,155	49,270	30,469	61.8	778	14,743	
Belgium and Lux- emburg.....	39,205	21,722	55.3	8,504	6,515	27,228	15,213	55.9	487	9,573	
Switzerland.....	65,656	42,623	64.9	7,915	9,034	48,736	32,835	67.5	744	10,281	
France.....	73,937	44,421	60.1	9,811	13,567	66,959	38,309	57.2	1,101	20,836	
Central Europe:											
Germany.....	873,231	639,843	73.3	101,473	74,277	775,053	573,608	74.0	13,722	117,478	
Poland.....	602,918	108,354	17.9	139,759	270,388	445,132	134,281	30.2	6,339	290,025	
Czechoslovakia.....	132,913	31,705	23.9	45,520	49,119	152,417	76,630	50.3	2,832	65,694	
Austria.....	800,899	109,615	13.6	63,440	114,712	227,262	95,045	41.8	2,289	116,891	
Hungary.....	196,093	55,188	28.1	50,215	84,400	157,090	50,995	32.3	2,045	97,355	
Yugoslavia.....	107,974	23,140	21.4	27,687	54,134	47,982	15,676	32.7	836	30,085	
Eastern Europe:											
Russia.....	632,208	284,320	44.9	127,879	246,604	529,129	225,241	42.6	6,651	274,544	
Lithuania.....	76,308	20,254	26.5	16,186	41,194	48,334	12,979	26.9	544	33,042	
Finland.....	80,407	31,550	39.2	17,406	28,511	69,908	27,323	45.8	1,047	28,559	
Rumania.....	52,979	21,002	40.8	11,718	17,949	39,138	17,273	44.1	618	19,516	
Bulgaria and Tur- key in Europe.....	12,530	1,005	12.8	2,310	8,083	2,035	530	26.0	42	1,382	
Southern Europe:											
Greece.....	135,207	23,093	17.1	20,736	85,459	26,308	5,036	19.1	308	19,894	
Italy.....	868,111	259,547	30.2	154,330	418,583	550,822	160,166	29.1	5,356	366,344	
Spain.....	31,540	2,814	8.9	2,285	25,061	9,890	1,636	16.5	62	7,055	
Portugal.....	33,837	5,854	17.3	2,274	24,527	22,739	4,211	18.5	120	17,822	
Other Europe.....	7,916	1,814	22.9	1,112	4,610	2,673	1,279	47.7	42	990	
ASIA											
Armenia.....	23,746	6,064	25.5	4,419	11,851	9,780	3,349	34.2	144	5,926	
Syria.....	28,478	8,821	31.0	5,610	12,633	18,097	5,238	28.9	262	11,568	
All other Asia.....	13,539	3,817	28.2	2,106	6,715	5,314	2,142	40.3	83	2,698	
AMERICA											
Canada—French.....	141,514	66,579	47.0	21,997	40,004	132,662	66,402	50.1	1,179	57,479	
Canada—Other and Newfoundland.....	355,093	205,794	58.0	44,267	69,690	384,507	248,788	64.7	4,671	96,007	
Mexico.....	189,974	6,363	3.3	2,506	172,127	129,723	11,261	8.7	240	112,995	
West Indies ³	11,690	3,461	29.6	1,088	5,673	9,069	3,220	32.3	107	5,327	
Central and South America.....	9,215	2,147	23.3	1,088	5,052	5,331	1,903	35.7	85	2,725	
OTHER COUNTRIES											
Australia.....	5,370	2,446	45.5	825	1,491	4,352	2,553	58.7	73	1,324	
Atlantic Islands ⁴	18,393	4,395	23.9	1,213	12,209	15,164	3,336	22.0	58	11,289	
All other ⁵	8,813	3,871	43.9	938	1,855	6,134	3,593	58.6	59	1,383	

¹ Totals include persons whose citizenship was not reported.² No inquiry as to the citizenship of females prior to 1920.³ Except possessions of the United States.⁴ Includes Azores and Cape Verde Islands.⁵ Comprises Africa, Pacific Islands, country not specified, and at sea.

Source: Bureau of the Census, Department of Commerce.

**No. 36.—URBAN AND RURAL POPULATION: BY CLASSES AND AGE GROUPS,
CONTINENTAL UNITED STATES**

NOTE.—For definition of urban and rural population and totals for earlier years, see headnote, Table 37

Class	Number				Per cent distribution			
	Urban		Rural		Urban		Rural	
	1910	1920	1910	1920	1910	1920	1910	1920
Total.....	42, 188, 120	54, 304, 603	49, 806, 146	51, 406, 017	100. 0	100. 0	100. 0	100. 0
White.....	39, 379, 294	50, 620, 084	42, 352, 063	44, 200, 831	93. 4	93. 2	85. 0	86. 0
Negro.....	2, 084, 797	3, 559, 473	7, 142, 906	6, 903, 058	0. 4	0. 6	14. 3	13. 4
All other.....	102, 029	125, 046	310, 517	301, 528	0. 2	0. 2	0. 0	0. 0
Native white:								
Native parentage.....	17, 621, 230	24, 556, 729	31, 867, 345	33, 865, 228	41. 8	45. 2	64. 0	65. 9
Foreign or mixed parentage.....	12, 225, 331	15, 706, 372	6, 672, 506	6, 670, 832	29. 0	28. 0	13. 4	13. 6
Foreign-born white.....	6, 532, 733	10, 356, 933	3, 812, 812	3, 355, 771	22. 6	19. 1	7. 7	6. 5

Class	Sex distribution, 1920					
	Urban			Rural		
	Male	Female	Males per 100 females	Male	Female	Males per 100 females
Total.....	27, 203, 312	27, 101, 291	100. 4	26, 697, 119	24, 709, 898	108. 0
White.....	25, 373, 627	25, 246, 467	100. 5	23, 057, 028	21, 143, 803	109. 0
Negro.....	1, 737, 820	1, 821, 653	95. 4	3, 471, 616	3, 432, 042	101. 2
All other.....	91, 865	33, 181	276. 0	168, 475	133, 053	126. 6
Native white:						
Native parentage.....	12, 190, 465	12, 366, 204	98. 6	17, 446, 316	16, 418, 912	106. 3
Foreign or mixed parentage.....	7, 622, 766	8, 083, 606	94. 3	3, 642, 786	3, 337, 046	109. 2
Foreign-born white.....	5, 560, 396	4, 796, 587	115. 0	1, 967, 926	1, 387, 845	141. 8

Class	Age distribution, 1920					
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 years and over
URBAN POPULATION						
Total urban.....	5, 275, 751	5, 050, 276	4, 664, 312	4, 445, 963	23, 203, 269	11, 566, 197
Per cent of total ¹	9. 7	9. 3	8. 0	8. 2	42. 7	21. 3
Males.....	2, 662, 585	2, 531, 575	2, 313, 652	2, 130, 053	11, 657, 721	5, 845, 617
Females.....	2, 613, 166	2, 518, 701	2, 350, 660	2, 315, 910	11, 545, 548	5, 720, 580
White.....	4, 995, 277	4, 751, 102	4, 368, 076	4, 127, 762	21, 375, 775	10, 917, 249
Negro.....	268, 069	291, 762	291, 094	310, 522	1, 792, 092	621, 935
All other.....	12, 405	7, 412	5, 142	7, 679	64, 802	27, 013
Native white:						
Native parentage.....	2, 791, 233	2, 534, 605	2, 333, 029	2, 210, 680	9, 985, 517	4, 639, 820
Foreign or mixed parentage.....	2, 174, 535	2, 095, 478	1, 790, 012	1, 503, 354	5, 689, 320	2, 444, 082
Foreign-born white.....	29, 504	120, 016	245, 035	413, 728	5, 700, 938	3, 832, 747
RURAL POPULATION						
Total rural.....	6, 297, 479	6, 347, 799	5, 976, 825	4, 984, 568	17, 852, 274	10, 397, 183
Per cent of total ¹	12. 3	12. 3	11. 6	0. 7	33. 8	20. 2
Males.....	3, 194, 876	3, 221, 426	3, 055, 654	2, 543, 739	8, 898, 244	5, 752, 414
Females.....	3, 102, 603	3, 126, 373	2, 921, 171	2, 440, 854	8, 454, 030	4, 644, 769
White.....	5, 378, 644	5, 336, 143	5, 001, 246	4, 186, 303	15, 011, 398	9, 248, 187
Negro.....	875, 630	974, 445	945, 829	772, 693	2, 233, 391	1, 091, 675
All other.....	43, 205	37, 211	29, 769	25, 507	107, 485	57, 421
Native white:						
Native parentage.....	4, 575, 292	4, 443, 255	4, 122, 680	3, 388, 366	10, 907, 215	6, 338, 088
Foreign or mixed parentage.....	787, 872	843, 020	792, 239	683, 813	2, 546, 535	1, 823, 114
Foreign-born white.....	15, 480	49, 868	86, 327	114, 214	1, 497, 648	1, 680, 935

¹ Per cents based on total for all ages including the small number reported as of unknown age.

Source: Bureau of the Census, Department of Commerce.

POPULATION—URBAN AND RURAL

No. 37.—URBAN AND RURAL POPULATION, BY STATES

NOTE.—All incorporated places, and in Massachusetts, Rhode Island, and New Hampshire (prior to 1920, also in other New England States) all towns, having 2,500 inhabitants or more are treated as urban and the remainder of the country as rural. Total urban population of United States, 1880, 14,368,167; 1890, 22,298,359; rural, 1880, 35,797,616; 1890, 40,649,355; per cent urban, 1880, 28.6; 1890, 35.4

Division and State	1900		1910		1920		Per cent urban		
	Urban	Rural	Urban	Rural	Urban	Rural	1900	1910	1920
Continental United States	30,380,439	45,614,142	42,166,120	49,806,146	54,304,603	61,406,017	40.0	45.8	51.4
New England	4,058,427	1,538,500	4,998,082	1,554,599	5,865,073	1,535,836	73.5	78.3	79.2
Maine.....	232,827	461,639	262,248	480,123	299,569	468,446	33.5	35.3	39.0
New Hampshire.....	226,269	185,319	255,099	175,473	279,761	163,322	55.0	59.2	63.1
Vermont.....	75,831	267,810	98,917	257,039	100,976	242,452	22.1	27.8	31.2
Massachusetts.....	2,567,098	288,248	3,125,867	241,049	3,650,248	202,108	91.5	92.8	94.8
Rhode Island.....	407,047	20,069	524,654	17,956	689,180	15,217	95.1	96.7	97.5
Connecticut.....	543,755	304,665	731,797	382,959	936,339	444,292	69.9	65.6	67.8
Middle Atlantic	10,075,863	5,378,795	13,723,373	5,592,519	16,672,595	5,588,549	65.2	71.0	74.9
New York.....	5,298,111	1,970,783	7,185,494	1,928,120	8,589,844	1,795,383	72.9	78.8	82.7
New Jersey.....	1,329,162	554,507	1,907,210	629,957	2,474,936	680,904	70.6	75.2	78.4
Pennsylvania.....	3,448,610	2,853,505	4,630,669	3,034,442	5,607,815	3,112,202	54.7	60.4	64.3
East North Central	7,219,875	8,785,908	9,617,271	8,633,350	13,049,272	8,426,271	45.2	52.7	60.8
Ohio.....	1,993,382	2,159,163	2,065,143	2,101,978	3,677,136	2,082,258	48.1	55.9	63.8
Illinois.....	862,689	1,653,773	1,143,836	1,587,041	1,482,855	1,447,535	34.3	42.4	50.6
Indiana.....	2,616,368	2,205,182	3,476,920	2,101,662	4,403,153	2,082,127	54.3	61.7	67.9
Michigan.....	952,323	1,468,659	1,327,044	1,483,129	2,241,560	1,426,352	39.3	47.2	61.1
Wisconsin.....	790,213	1,278,829	1,004,320	1,329,540	1,244,568	1,387,499	38.2	43.0	47.8
West North Central	2,946,544	7,400,879	3,873,716	7,784,205	4,727,372	7,816,377	28.5	33.3	37.7
Minnesota.....	598,100	1,153,294	850,294	1,225,414	1,051,593	1,335,632	24.1	41.0	44.1
Iowa.....	752,380	1,659,407	680,054	1,544,717	875,495	1,523,529	25.0	30.6	30.4
Missouri.....	1,128,104	1,978,561	1,398,817	1,894,518	1,586,008	1,817,152	36.3	42.5	46.6
North Dakota.....	23,413	295,733	63,236	513,820	38,239	558,633	7.3	11.0	13.6
South Dakota.....	40,939	360,634	76,673	507,215	101,872	534,675	10.2	13.1	16.0
Nebraska.....	262,702	813,598	310,852	881,362	405,306	891,066	23.7	26.1	31.3
Kansas.....	330,003	1,139,592	493,790	1,197,159	617,964	1,151,293	22.5	29.2	34.9
South Atlantic	2,232,632	3,210,348	3,092,153	9,102,742	4,338,792	6,651,480	31.4	25.4	31.0
Delaware.....	85,717	99,018	97,055	105,237	120,767	102,236	46.4	48.0	54.2
Maryland.....	591,209	596,838	658,192	637,184	869,422	680,239	49.0	60.0	60.0
District of Columbia.....	278,718		331,060		437,571		100.0	100.0	100.0
Virginia.....	304,067	1,514,117	476,529	1,585,083	673,984	1,635,203	18.3	23.1	29.2
West Virginia.....	125,465	893,335	228,242	992,877	309,007	1,094,694	13.1	18.7	25.2
North Carolina.....	186,790	1,707,020	318,474	1,887,813	490,370	2,068,753	9.9	14.4	19.2
South Carolina.....	171,256	1,169,060	224,832	1,290,568	293,987	1,389,737	12.8	14.8	17.5
Georgia.....	346,382	1,869,949	588,650	2,070,471	727,859	2,167,973	15.6	20.9	25.1
Florida.....	107,031	421,511	219,030	533,539	355,825	612,645	20.3	29.1	30.7
East South Central	1,131,056	6,418,701	1,574,229	6,835,072	1,994,207	6,899,100	15.0	18.7	22.2
Kentucky.....	467,668	1,679,506	555,442	1,734,463	633,543	1,785,087	21.8	24.3	26.1
Tennessee.....	326,639	1,693,977	441,045	1,743,744	611,226	1,726,659	16.2	20.2	26.4
Alabama.....	216,714	1,611,983	370,431	1,767,062	509,317	1,838,857	11.9	17.3	21.7
Mississippi.....	129,035	1,481,235	207,311	1,589,803	240,121	1,550,497	7.7	11.5	13.4
West South Central	1,057,197	5,475,093	1,957,456	6,827,078	2,970,829	7,271,395	16.2	22.3	29.0
Arkansas.....	111,733	1,199,331	202,681	1,371,768	290,497	1,461,707	8.5	12.9	16.0
Louisiana.....	366,288	1,015,337	496,510	1,159,872	628,163	1,170,346	26.5	30.0	34.9
Oklahoma.....	68,417	731,974	320,155	1,337,000	539,480	1,488,803	7.4	10.3	26.6
Texas.....	520,759	2,527,051	938,104	2,958,438	1,512,699	3,150,539	17.1	24.1	32.4
Mountain	541,363	1,133,204	947,611	1,686,008	1,214,980	2,121,121	32.3	36.0	36.4
Montana.....	84,554	158,775	133,420	242,633	172,011	376,878	34.7	35.5	31.3
Idaho.....	10,003	151,769	69,898	255,096	119,037	312,829	6.2	21.5	27.8
Wyoming.....	26,657	65,874	43,221	102,744	57,348	137,054	28.8	26.9	29.5
Colorado.....	200,651	279,040	404,840	394,184	453,259	486,370	48.3	50.7	48.2
New Mexico.....	27,381	197,920	46,571	280,730	64,980	295,300	14.0	14.2	18.0
Arizona.....	19,495	103,436	63,260	141,094	117,527	216,635	15.9	21.0	35.2
Utah.....	105,427	171,322	172,934	200,417	215,584	233,812	38.1	46.3	48.0
Nevada.....	7,195	35,140	13,367	68,508	15,254	62,153	17.0	16.3	19.7
Pacific	1,122,356	1,284,336	2,382,329	1,809,975	3,471,483	2,065,388	46.4	56.8	62.4
Washington.....	211,477	306,626	605,630	536,460	748,735	607,386	40.0	53.0	55.2
Oregon.....	133,130	280,356	307,060	365,705	391,019	392,370	32.2	45.6	49.9
California.....	777,699	707,354	1,469,739	907,810	2,331,729	1,095,132	52.4	61.8	68.0

Source: Bureau of the Census, Department of Commerce.

No. 38.—POPULATION IN PLACES OF 8,000 INHABITANTS OR MORE

Year	Total population	Places of 8,000 inhabitants or more			Year	Total population	Places of 8,000 inhabitants or more		
		Population	Number of places	Per cent of total population			Population	Number of places	Per cent of total population
1790	3,929,214	131,472	6	3.3	1860	31,443,321	5,072,256	141	16.1
1800	5,308,483	210,873	6	4.0	1870	38,558,371	8,071,875	226	20.9
1810	7,239,881	356,920	11	4.9	1880	50,165,783	11,365,098	285	22.7
1820	9,638,453	475,135	13	4.9	1890	62,947,714	13,244,239	445	20.0
1830	12,866,020	864,509	26	6.7	1900	75,994,575	25,018,335	547	32.9
1840	17,069,453	1,453,994	44	8.5	1910	91,972,266	35,570,334	768	38.7
1850	23,191,876	2,807,586	85	12.5	1920	105,710,620	46,307,640	924	43.8

No. 39.—DISTRIBUTION OF POPULATION IN GROUPS OF CITIES AND IN RURAL TERRITORY

NOTE.—For definition of urban and rural population see Table 37

Class	1890		1900		1910	
	Number of places	Population	Number of places	Population	Number of places	Population
Total		62,947,714		75,994,575		91,972,266
Urban territory	1,417	22,299,359	1,801	30,880,433	2,313	42,166,120
Places of 1,000,000 or more	3	3,662,115	3	6,429,474	3	8,501,174
Places of 500,000 to 1,000,000	1	806,343	3	1,645,087	5	3,010,667
Places of 250,000 to 500,000	7	2,447,608	9	2,861,296	11	3,949,839
Places of 100,000 to 250,000	17	2,781,894	23	3,272,400	31	4,840,458
Places of 50,000 to 100,000	30	2,022,822	40	2,709,338	59	4,178,915
Places of 25,000 to 50,000	66	2,265,786	82	2,800,627	111	4,026,045
Places of 10,000 to 25,000	223	3,420,247	280	4,338,250	397	5,524,434
Places of 5,000 to 10,000	339	2,372,717	468	3,220,766	612	4,254,856
Places of 2,500 to 5,000	726	2,506,827	893	3,103,105	1,106	3,879,732
Rural territory		40,648,356		45,614,142		49,806,146
Incorporated places of less than 2,500	16,400	4,757,074	8,930	6,301,533	11,832	8,169,149
Other rural territory		35,891,381		39,312,609		41,636,997

Class	Number of places	Population	Per cent of total population			
			1890	1900	1910	1920
Total		105,710,620	100.0	100.0	100.0	100.0
Urban territory	2,787	54,304,003	51.4	40.0	46.3	51.4
Places of 1,000,000 or more	3	10,145,532	5.8	8.5	9.2	9.6
Places of 500,000 to 1,000,000	9	6,223,769	1.3	2.2	3.3	5.9
Places of 250,000 to 500,000	13	4,540,838	3.9	3.8	4.3	4.3
Places of 100,000 to 250,000	43	6,519,187	4.4	4.3	5.3	6.2
Places of 50,000 to 100,000	76	5,255,747	3.2	3.0	4.5	5.0
Places of 25,000 to 50,000	143	5,075,641	3.0	3.7	4.4	4.8
Places of 10,000 to 25,000	459	6,942,742	5.4	5.7	6.0	6.6
Places of 5,000 to 10,000	721	4,907,794	3.8	4.2	4.8	4.7
Places of 2,500 to 5,000	1,320	4,593,953	4.0	4.1	4.2	4.3
Rural territory		51,406,617	64.6	60.0	54.2	48.6
Incorporated places of less than 2,500	12,905	8,969,241	7.6	8.3	8.9	8.5
Other rural territory		42,436,776	57.0	51.7	45.3	40.1

¹ At the 1890 census incorporated places were not distinguished from unincorporated ones. The figures for that year for incorporated places of less than 2,500 inhabitants have been estimated, assuming that those places were incorporated in 1890 which were returned separately in that year and were returned in 1900 as incorporated, and may include the population of some unincorporated places and exclude that of some incorporated.

No. 40.—URBAN AND RURAL POPULATION: MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY MAJOR CLASSES, 1920, WITH COMPARATIVE TOTALS FOR 1910, CONTINENTAL UNITED STATES

NOTE.—The number divorced is considered to be understated. The small number unknown is omitted. The method of segregating the urban and rural population in certain New England States has been changed since 1910 (see headnote, Table 37), so that the absolute numbers for marital condition in 1910 are not strictly comparable; the percentages, however, would not be affected by the small change.

Class	Persons 15 years of age and over					Per cent of total			
	Total ¹	Single	Married	Wid-owed	Di- vorced	Single	Mar- ried	Wid- owed	Di- vorced
URBAN POPULATION									
Males, total	19,695,500	6,982,294	11,605,237	897,500	142,778	35.6	58.9	4.6	0.7
White.....	18,201,363	6,502,835	10,784,411	813,153	128,619	35.6	59.0	4.4	0.7
Negro.....	1,325,398	441,845	782,776	82,518	13,928	33.3	59.1	6.2	1.1
All other.....	78,739	37,614	38,050	1,829	231	47.8	48.3	2.3	0.8
Native white—									
Native parentage.....	8,350,138	3,025,709	4,846,805	363,354	77,523	36.2	58.0	4.4	0.9
Foreign or mixed parentage.....	4,578,547	2,121,369	2,269,772	151,574	28,683	46.3	49.6	3.8	0.6
Foreign-born white.....	5,362,678	1,855,757	3,067,834	298,226	22,413	25.3	68.4	5.6	0.4
Females, total	19,618,764	5,696,673	11,310,188	2,395,622	136,181	29.0	57.6	12.2	0.6
White.....	18,214,266	5,378,882	10,503,936	2,143,651	162,510	29.5	57.7	11.8	0.9
Negro.....	1,883,150	315,842	790,160	250,844	23,523	22.8	57.1	18.1	1.7
All other.....	21,348	3,949	16,092	1,127	142	18.5	75.4	5.3	0.7
Native white—									
Native parentage.....	8,547,716	2,654,151	4,801,681	976,781	101,304	31.1	56.2	11.4	1.2
Foreign or mixed parentage.....	5,066,800	2,008,742	2,561,345	452,393	38,585	39.6	50.6	8.9	0.8
Foreign-born white.....	4,699,750	715,989	3,140,910	714,477	22,627	15.0	68.3	15.5	0.5
RURAL POPULATION									
Males, total	17,225,169	5,986,371	10,244,029	860,808	92,508	34.7	59.3	5.0	0.5
White.....	15,044,223	5,279,830	8,913,702	736,011	79,044	35.1	59.5	4.9	0.5
Negro.....	2,067,813	663,032	1,267,031	118,216	12,761	32.1	61.3	5.7	0.6
All other.....	113,127	42,409	62,696	6,581	701	37.5	54.4	5.8	0.6
Native white—									
Native parentage.....	10,741,909	3,750,809	6,397,484	511,467	57,266	34.9	59.6	4.8	0.5
Foreign or mixed parentage.....	2,412,393	1,029,731	1,281,110	84,720	12,241	42.7	53.1	3.5	0.5
Foreign-born white.....	1,889,861	490,290	1,235,108	139,824	9,537	26.4	65.4	7.4	0.5
Females, total	15,558,751	3,918,229	10,008,745	1,522,003	87,123	25.2	64.3	9.8	0.6
White.....	13,440,576	3,393,850	8,706,302	1,256,011	60,049	25.3	64.8	9.8	0.5
Negro.....	2,089,950	609,416	1,249,021	257,117	20,348	26.0	61.2	12.6	1.0
All other.....	78,226	14,963	53,422	8,876	726	19.1	68.3	11.3	0.9
Native white—									
Native parentage.....	9,982,032	2,614,339	6,394,184	908,210	51,439	26.2	64.1	9.1	0.5
Foreign or mixed parentage.....	2,144,368	650,701	1,329,525	143,014	9,581	30.8	62.0	6.7	0.4
Foreign-born white.....	1,314,235	119,810	982,593	204,778	5,020	9.1	74.8	15.6	0.4
1910									
Urban population—									
Males.....	15,687,914	0,276,607	8,582,080	665,893	78,616	40.0	54.7	4.2	0.5
Females.....	15,333,853	5,025,467	8,376,444	1,786,292	110,991	32.8	54.6	11.6	0.7
Rural population—									
Males.....	16,737,891	6,273,622	9,510,520	805,497	77,546	37.5	56.8	4.8	0.5
Females.....	14,718,472	3,907,703	9,808,243	1,389,030	74,077	26.0	63.3	9.4	0.5

¹ Total includes persons whose marital condition was not reported.

No. 41.—DWELLINGS AND FAMILIES, URBAN AND RURAL: CONTINENTAL UNITED STATES

Tenure	Urban		Rural	
	1910	1920	1910	1920
Number of dwellings.....	7,160,349	9,484,550	10,645,496	11,212,654
Average persons per dwelling.....	5.9	5.7	4.7	4.6
Number of families.....	9,395,436	12,803,047	10,860,119	11,548,629
Average persons per family.....	4.5	4.2	4.6	4.6
Families having homes, 1920:				
Rented.....	Number	Per cent	Number	Per cent
Owned—Free.....	7,879,348	62.6	5,064,250	45.1
Mortgaged.....	2,440,095	19.8	4,081,424	37.5
Unknown.....	2,167,993	17.6	1,891,600	17.4
Tenure unknown.....	99,027	(¹)	186,221	(¹)
	215,984	(¹)	325,134	(¹)

¹ In computing percentages, the numbers representing the unknown items have been distributed in the same proportions as the known items.

Source of Tables 40 and 41: Bureau of the Census, Department of Commerce.

**No. 42.—POPULATION: MIDYEAR ESTIMATES FOR CITIES HAVING IN 1920
OVER 50,000 INHABITANTS**

NOTE.—Estimates are based, in most cases, on the assumption that the annual increase of population since 1920 has been the same as the annual average increase between 1910 and 1920, except that in States which took a census in 1925 the estimates are based on the average annual increase between 1920 and 1925. Allowance is made for any annexations or detachments of territory that may have taken place and of which the bureau has been advised. Where the last census showed a decrease or where there were exceptional conditions of growth, no estimates were made. For actual enumerations see Table 43. Pending the 1930 census, estimates for 1929 have not been made

City	1926	1927	1928	City	1926	1927	1928
Albany, N. Y.	119,000	119,500	120,400	Minneapolis, Minn.	434,000	447,700	455,000
Allentown, Pa.	94,600	97,000	99,400	Mobile, Ala.	66,800	67,700	69,600
Alltonta, Pa.	67,000	67,800	69,100	Nashville, Tenn.	137,000	137,800	139,600
Atlanta, Ga.	249,000	255,100	255,100	New Britain, Conn.	69,600	71,200	72,800
Atlantic City, N. J.	53,800	54,200	54,700	New Haven, Conn.	182,000	184,900	187,000
Augusta, Ga.	55,700	56,200	56,700	New Orleans, La.	419,000	424,400	429,400
Baltimore, Md.	308,000	319,000	330,400	New York, N. Y.	5,924,000	5,970,800	6,017,500
Bayonne, N. J.	91,000	93,100	95,300	Newark, N. J.	450,000	460,700	473,000
Berkeley, Calif.	67,800	69,400	71,000	Niagara Falls, N. Y.	53,300	60,600	68,300
Bethlehem, Pa.	64,400	66,000	67,600	Norfolk, Va.	174,000	179,200	184,200
Binghamton, N. Y.	72,900	73,900	74,800	Oakland, Calif.	261,000	267,800	274,100
Birmingham, Ala.	211,000	217,500	222,000	Omaha, Nebr.	216,000	219,200	222,800
Boston, Mass.	787,000	793,100	799,200	Passaic, N. J.	69,900	70,800	71,800
Buffalo, N. Y.	544,000	550,000	555,800	Paterson, N. J.	143,000	143,800	144,000
Cambridge, Mass.	122,000	123,900	125,800	Pawtucket, R. I.	71,000	72,100	73,100
Camden, N. J.	131,000	133,100	135,400	Peoria, Ill.	82,500	83,500	84,500
Canton, Ohio.	110,000	113,300	116,800	Philadelphia, Pa.	2,008,000	2,035,900	2,064,200
Charleston, S. C.	74,100	75,000	75,900	Pittsburgh, Pa.	637,000	665,500	673,800
Chatanooga, Tenn.	72,200	72,900	73,500	Portland, Me.	76,400	77,600	78,600
Chester, Pa.	70,400	72,300	74,200	Portsmouth, Va.	59,900	61,000	61,000
Chicago, Ill.	3,048,000	3,102,800	3,157,400	Providence, R. I.	275,000	280,600	280,300
Cincinnati, Ohio.	411,000	412,200	413,700	Racine, Wis.	69,400	71,300	74,400
Cleveland, Ohio.	960,000	984,500	1,010,300	Reading, Pa.	114,000	114,500	115,400
Columbus, Ohio.	285,000	291,400	299,000	Richmond, Va.	189,000	191,800	194,400
Covington, Ky.	58,500	58,700	59,000	Roanoke, Va.	61,900	63,200	64,000
Dallas, Tex.	203,000	211,000	217,800	Rochester, N. Y.	321,000	324,600	328,200
Dayton, Ohio.	177,000	180,700	184,500	Rockford, Ill.	78,400	80,900	82,800
Denver, Colo.	285,000	280,800	204,200	Sacramento, Calif.	73,400	74,600	75,700
Des Moines, Iowa.	146,000	148,900	151,000	Saginaw, Mich.	73,300	74,400	75,000
Detroit, Mich.	1,290,000	1,334,500	1,378,900	St. Joseph, Mo.	78,400	78,500	78,600
Duluth, Minn.	113,000	114,700	116,800	St. Louis, Mo.	830,000	839,200	843,100
East Orange, N. J.	61,700	63,300	65,000	St. Paul, Minn.	248,000	250,100	-----
East St. Louis, Ill.	72,300	73,100	74,000	Salt Lake City, Utah.	133,000	135,700	138,000
El Paso, Tex.	109,000	113,500	117,800	San Antonio, Tex.	205,000	211,400	218,100
Evansville, Ind.	95,100	96,600	98,100	San Diego, Calif.	110,000	115,300	119,700
Fall River, Mass.	131,000	132,000	134,300	San Francisco, Calif.	567,000	570,000	585,300
Flint, Mich.	136,000	142,700	148,800	Savannah, Ga.	94,900	99,700	99,900
Fort Wayne, Ind.	99,900	103,100	105,300	Schenectady, N. Y.	93,000	93,200	93,300
Fort Worth, Tex.	150,000	163,600	170,600	Scranton, Pa.	143,000	143,900	144,700
Gary, Ind.	80,800	85,200	89,100	Seattle, Wash.	375,300	383,200	383,200
Grand Rapids, Mich.	150,000	161,000	164,200	Sioux City, Iowa.	78,000	79,000	80,000
Harrisburg, Pa.	84,000	85,700	86,900	Somerville, Mass.	100,000	101,600	102,700
Hartford, Conn.	164,000	168,300	172,300	South Bend, Ind.	81,700	84,200	86,100
Holyoke, Mass.	60,400	60,400	60,400	Spokane, Wash.	109,000	109,000	109,100
Huntington, W. Va.	65,300	66,000	68,600	Springfield, Ill.	64,700	66,400	67,200
Indianapolis, Ind.	367,000	374,300	382,100	Springfield, Mass.	145,000	147,400	149,800
Jacksonville, Fla.	137,000	138,900	140,700	Springfield, Ohio.	70,200	71,000	73,000
Jersey City, N. J.	318,000	321,500	324,700	Syracuse, N. Y.	185,000	197,000	199,300
Johnstown, Pa.	72,200	73,000	73,700	Tacoma, Wash.	106,000	107,200	110,600
Kansas City, Kans.	117,000	117,600	118,300	Tampa, Fla.	102,000	107,800	113,400
Kansas City, Mo.	375,000	383,100	391,000	Terre Haute, Ind.	71,900	72,700	73,500
Knoxville, Tenn.	98,800	102,100	105,400	Toledo, Ohio.	295,000	305,400	313,200
Lancaster, Pa.	57,100	57,700	58,300	Topeka, Kans.	56,500	61,000	62,800
Lansing, Mich.	73,200	75,600	79,600	Trenton, N. J.	134,000	136,700	139,000
Lawrence, Mass.	93,500	-----	-----	Troy, N. Y.	72,300	72,300	72,300
Lincoln, Nebr.	92,000	69,900	71,100	Tulsa, Okla.	133,000	150,000	170,500
Little Rock, Ark.	75,000	77,500	79,200	Utica, N. Y.	103,000	103,400	104,200
Long Beach, Calif.	97,700	104,200	-----	Washington, D. C.	528,000	540,000	552,000
Louisville, Ky.	311,000	320,100	329,400	Wichita, Kans.	92,500	96,100	99,300
Lynn, Mass.	104,000	104,800	105,500	Wilkes-Barre, Pa.	78,300	90,000	91,000
Macon, Ga.	59,200	60,100	61,200	Wilmington, Del.	124,000	126,400	128,500
Manchester, N. H.	84,000	84,800	85,700	Worcester, Mass.	193,000	195,500	197,000
Memphis, Tenn.	177,000	178,900	180,200	Yonkers, N. Y.	116,000	118,800	121,600
Milwaukee, Wis.	617,000	636,400	644,200	Youngstown, Ohio.	166,000	169,400	174,200

No. 43.—POPULATION STATISTICS OF CITIES

NOTE.—Per cents show proportion which specified class forms of total population of the city. The

City	Total population					Native white, native parentage		
	1880	1890	1900	1910	1920	Number, 1910	Number, 1920	Per cent, 1920
Akron, Ohio	16,512	27,001	42,728	69,067	208,435	37,793	125,079	60.0
Albany, N. Y.	90,758	94,923	94,151	100,253	113,344	44,472	55,265	49.6
Allentown, Pa.	18,063	25,228	35,416	51,913	73,502	38,368	51,937	70.7
Altoona, Pa.	19,710	30,337	38,973	52,127	60,331	37,740	43,300	71.9
Atlanta, Ga.	37,409	65,533	80,872	154,839	200,610	91,987	124,948	62.3
Atlantic City, N. J.	5,477	13,055	27,838	46,159	50,707	22,410	22,087	43.6
Augusta, Ga.	21,891	33,300	39,441	41,040	52,548	10,861	26,883	51.2
Baltimore, Md.	332,313	434,439	508,957	558,485	733,826	261,474	378,380	51.6
Bayonne, N. J.	9,372	19,033	32,722	55,545	76,754	11,301	14,497	18.9
Bekeley, Calif.		5,101	13,214	40,434	56,086	10,479	28,669	51.2
Bethlehem, Pa.	5,193	6,762	7,269	12,837	50,358	10,495	26,503	52.6
Binghamton, N. Y.	17,317	35,005	39,647	45,443	60,300	30,490	40,030	69.9
Birmingham, Ala.	3,086	26,178	38,415	132,685	178,300	66,312	92,211	51.6
Boston, Mass.	362,839	448,477	500,802	670,585	748,000	167,870	181,811	24.3
Bridgeport, Conn.	27,643	48,866	70,996	102,054	143,555	27,156	36,816	25.6
Brockton, Mass.	13,608	27,294	40,063	56,878	66,254	28,008	24,643	37.2
Buffalo, N. Y.	155,134	255,664	352,387	423,715	603,775	116,692	165,135	32.6
Cambridge, Mass.	52,669	70,028	91,886	104,839	109,694	25,715	29,045	26.5
Camden, N. J.	41,659	58,313	75,935	94,538	116,309	49,581	55,249	48.4
Canton, Ohio	13,258	26,189	30,687	50,217	87,001	29,470	53,783	61.8
Charleston, S. C.	49,984	64,955	55,807	58,833	67,957	20,458	28,262	41.6
Chattanooga, Tenn.	12,892	20,100	30,154	44,604	57,895	23,035	34,911	60.3
Chester, Pa.	14,997	20,228	33,988	38,537	58,030	17,793	25,627	44.2
Chicago, Ill.	503,185	1,099,850	1,698,575	2,185,283	2,701,705	445,139	642,871	23.8
Cincinnati, Ohio	255,139	296,908	325,902	393,591	491,247	154,937	200,005	51.5
Cleveland, Ohio	160,146	261,353	381,708	500,663	796,841	132,314	212,247	26.0
Columbus, Ohio	51,647	85,150	125,580	181,511	237,031	116,840	159,060	67.1
Covington, Ky.	26,720	37,371	42,938	53,270	57,121	31,079	37,391	65.5
Dallas, Tex.	10,358	38,067	42,638	92,104	158,970	59,740	112,500	70.8
Dayenport, Iowa	21,831	26,872	35,254	43,028	56,727	17,702	20,394	51.8
Dayton, Ohio	38,678	61,220	85,333	116,577	152,559	72,301	100,098	66.2
Denver, Colo.	35,629	106,713	133,859	213,381	256,491	106,945	144,678	56.4
Des Moines, Iowa	22,408	50,093	62,139	86,368	120,468	53,785	84,361	66.7
Detroit, Mich.	116,340	205,878	285,704	465,766	693,678	115,106	183,997	31.0
Duluth, Minn.	4,838	33,115	52,969	78,466	98,917	15,493	23,931	24.2
East Orange, N. J.			21,506	34,371	50,710	18,253	27,455	54.1
East St. Louis, Ill.	9,185	15,169	29,655	58,547	66,767	30,447	38,854	58.2
El Paso, Tex.	7,736	10,338	15,906	39,279	77,660	15,099	27,456	35.4
Elizabeth, N. J.	28,229	37,764	52,130	73,409	95,733	20,298	26,887	27.0
Erie, Pa.	27,737	40,634	52,733	66,625	93,372	25,740	41,179	44.1
Evansville, Ind.	29,280	50,758	59,007	69,647	85,294	41,945	60,270	70.7
Fall River, Mass.	48,961	74,398	104,863	116,295	120,485	15,858	10,168	15.9
Flint, Mich.	8,409	9,893	13,103	38,550	91,699	21,269	50,186	54.3
Fort Wayne, Ind.	20,880	35,368	45,115	63,933	86,549	36,722	57,075	66.0
Fort Worth, Tex.	6,663	23,076	26,688	73,312	106,482	50,139	75,515	70.9
Gary, Ind.			16,802	55,378	4,480	16,519	29.8	
Grand Rapids, Mich.	32,016	60,278	87,565	112,871	137,634	40,777	50,079	40.7
Harrisburg, Pa.	30,702	39,385	50,187	64,186	75,917	49,576	59,268	78.1
Hartford, Conn.	42,015	53,280	79,850	98,915	138,036	31,011	40,327	29.2
Haverhill, Mass.	18,472	27,412	37,175	44,115	53,884	19,472	21,673	40.0
Hoboken, N. J.	30,999	43,648	69,364	70,324	68,166	13,463	14,473	21.2
Holyoke, Mass.	21,615	35,637	45,712	57,730	60,203	9,141	10,994	18.3
Houston, Tex.	16,513	27,557	44,633	78,300	138,276	37,181	72,438	52.4
Huntington, W. Va.	3,174	10,108	11,923	31,161	50,177	27,311	44,720	89.1
Indianapolis, Ind.	75,936	105,436	169,164	233,650	314,194	180,593	210,297	69.6
Jacksonville, Fla.	7,650	17,201	28,429	37,639	51,553	22,628	39,900	43.6
Jersey City, N. J.	120,722	163,003	206,433	297,773	298,103	74,861	87,083	29.2
Johnston, Pa.	8,380	21,893	35,936	55,482	67,827	26,237	34,207	50.8
Kansas City, Kans.	8,200	38,316	51,418	32,331	101,177	48,021	59,575	55.9
Kansas City, Mo.	56,735	132,719	163,752	248,381	324,410	153,717	209,134	64.5
Knoxville, Tenn.	9,693	22,539	32,637	36,346	47,818	26,300	33,568	81.7
Lancaster, Pa.	25,760	32,011	41,469	47,227	53,150	35,610	42,126	79.3
Lansing, Mich.	8,819	13,102	16,455	31,229	57,327	19,497	38,373	66.9
Lawrence, Mass.	39,151	44,654	62,559	85,892	94,270	11,699	12,325	13.1
Lincoln, Nebr.	13,003	65,154	40,169	43,673	54,948	26,021	33,881	60.8
Little Rock, Ark.	13,138	26,874	38,307	45,941	55,142	24,810	40,551	62.7
Long Beach, Calif.		2,564	2,252	17,809	55,693	12,526	37,888	68.2
Los Angeles, Calif.	11,183	50,395	102,479	319,198	670,673	169,967	294,458	51.1
Louisville, Ky.	123,758	161,129	204,781	223,928	234,891	113,543	139,403	59.3
Lowell, Mass.	59,475	77,698	94,969	106,294	112,759	20,703	24,670	21.9
Lynn, Mass.	38,274	55,727	68,513	89,339	99,143	33,180	33,988	34.4
Macon, Ga.	12,749	22,746	28,272	40,665	52,995	20,723	27,923	62.7

For footnotes see p. 48.

No. 43.—POPULATION STATISTICS OF CITIES HAVING

City	Total population					Native white, native parentage		
	1880	1890	1900	1910	1920	Number, 1910	Number, 1920	Per cent, 1920
Manchester, N. H.	32,630	44,126	56,987	70,063	78,384	16,119	18,851	24.0
Memphis, Tenn.	33,592	64,495	102,320	131,105	162,351	59,986	82,795	51.0
Milwaukee, Wis.	115,587	204,468	285,315	378,867	457,147	78,823	130,845	28.6
Minneapolis, Minn.	46,887	104,738	202,718	301,408	380,682	96,186	133,178	35.0
Mobile, Ala.	29,132	31,070	38,469	51,521	60,777	20,944	29,060	47.8
Nashville, Tenn.	43,350	76,103	80,805	110,304	118,342	63,087	74,022	62.5
New Bedford, Mass.	26,845	40,733	62,442	96,652	121,217	18,738	20,098	16.6
New Britain, Conn.	11,800	16,519	25,998	43,916	59,316	8,755	11,161	18.8
New Haven, Conn.	62,882	81,298	108,027	133,605	162,637	37,726	44,401	27.3
New Orleans, La.	216,090	242,939	287,104	339,075	387,219	147,473	190,641	49.2
New York, N. Y. ¹	1,911,698	2,507,414	3,437,022	4,706,883	5,020,048	1,164,334	1,644,834	20.7
Niagara Falls, N. Y.	136,508	181,830	246,070	347,469	414,524	94,737	113,413	27.4
Norfolk, Va.	21,966	34,871	46,624	67,452	115,777	34,471	57,759	49.0
Oakland, Calif.	34,555	48,682	66,960	150,174	216,261	55,198	90,279	41.7
Oklahoma City, Okla.		4,151	10,037	64,205	91,295	47,880	71,440	78.3
Omaha, Nebr.	30,518	140,452	102,555	124,096	191,601	52,917	86,525	45.2
Passaic, N. J.	6,532	13,028	27,777	54,773	63,841	7,536	8,810	13.8
Paterson, N. J.	51,031	78,347	105,171	125,600	135,876	28,392	31,824	23.4
Pawtucket, R. I.	19,030	27,633	30,231	51,622	64,248	12,627	14,780	23.0
Peoria, Ill.	29,259	41,024	56,100	66,950	76,121	36,615	40,213	60.7
Philadelphia, Pa.	847,170	1,046,904	1,293,097	1,649,008	1,823,779	584,008	698,782	38.3
Pittsburgh, Pa.	235,071	343,904	451,512	533,905	688,343	170,089	216,530	36.8
Portland, Me.	33,810	36,425	50,145	58,571	69,272	31,121	35,969	51.7
Portland, Ore.	17,577	46,385	90,426	207,214	258,288	104,163	136,210	62.0
Portsmouth, Va.	11,390	13,268	17,427	33,190	54,387	18,203	26,744	49.2
Providence, R. I.	104,857	132,146	175,597	224,320	237,595	59,066	68,728	26.8
Racine, Wis.	16,031	21,014	29,102	38,002	58,593	8,814	17,211	29.4
Reading, Pa.	43,278	58,661	78,961	90,071	107,784	74,714	81,000	75.2
Richmond, Va.	63,600	81,388	85,050	127,628	171,667	69,130	102,955	60.0
Roanoke, Va.	669	16,159	21,495	34,874	50,842	25,089	39,000	76.7
Rochester, N. Y.	89,306	133,896	162,608	218,149	295,760	74,525	111,976	37.9
Rockford, Ill.	13,129	23,584	31,051	45,401	65,651	15,395	24,141	36.8
Sacramento, Calif.	21,420	25,386	20,282	44,696	65,908	19,821	32,696	49.6
Saginaw, Mich.	10,525	46,322	42,345	50,510	61,903	17,257	25,805	41.7
St. Joseph, Mo.	32,431	62,324	102,979	77,403	77,039	50,316	53,531	68.7
St. Louis, Mo.	360,518	451,770	575,238	687,029	772,897	269,836	359,482	46.5
St. Paul, Minn.	41,473	133,156	163,065	214,744	234,698	61,694	77,878	33.0
Salt Lake City, Utah	20,768	44,843	53,531	92,777	118,110	38,152	56,234	47.6
San Antonio, Tex.	20,550	37,673	53,321	96,614	161,379	44,029	76,299	47.3
San Diego, Calif.	2,637	16,159	17,700	30,578	74,683	22,550	41,514	55.6
San Francisco, Calif.	233,969	298,997	342,782	416,912	506,670	115,369	167,179	33.0
Savannah, Ga.	30,709	43,189	54,244	65,064	83,252	22,034	34,420	41.3
Schenectady, N. Y.	13,655	19,902	31,682	72,826	88,723	31,538	35,997	40.5
Soranton, Pa.	45,850	75,215	102,020	129,887	137,783	38,745	48,715	35.4
Seattle, Wash.	3,533	42,837	50,671	237,194	315,312	105,784	139,701	44.3
Sioux City, Iowa	7,366	37,806	33,111	47,828	71,227	22,405	38,751	54.4
Somerville, Mass.	24,933	40,152	61,643	77,236	93,091	29,578	32,289	34.7
South Bend, Ind.	13,280	21,810	35,909	53,684	70,983	22,880	33,915	47.8
Spokane, Wash.		19,922	30,848	104,402	104,437	54,574	57,324	54.9
Springfield, Ill.	19,743	24,963	34,159	51,678	59,183	27,044	35,255	59.6
Springfield, Mass.	33,340	44,179	62,059	88,926	129,614	35,732	48,045	37.8
Springfield, Ohio	20,730	31,895	38,253	46,921	60,840	30,577	43,037	70.7
Syracuse, N. Y.	51,792	88,143	108,374	137,249	171,717	58,408	80,072	46.6
Tacoma, Wash.		36,006	37,714	83,743	96,965	36,481	44,657	46.1
Tampa, Fla.	720	5,532	15,830	37,782	51,608	12,037	17,542	34.0
Terre Haute, Ind.	26,042	30,217	36,673	58,157	66,083	42,586	48,970	74.1
Toledo, Ohio	50,137	81,434	131,822	168,497	243,104	75,147	124,055	51.0
Topeka, Kans.	15,452	31,007	33,608	43,684	50,022	27,800	33,694	67.2
Trenton, N. J.	29,910	57,458	73,307	96,815	119,289	38,079	44,195	37.0
Troy, N. Y.	65,747	60,656	60,651	76,813	72,013	32,224	33,082	45.9
Tulsa, Okla.			1,300	18,182	72,075	14,402	55,600	77.2
Utica, N. Y.	33,914	44,007	56,383	74,419	94,156	26,869	33,751	35.8
Washington, D. C. ²	177,624	230,392	278,718	331,069	437,571	160,711	239,488	54.7
Waterbury, Conn.	17,806	28,646	45,859	75,141	91,715	18,238	22,122	24.1
Wheeling, W. Va.	30,737	34,522	38,878	41,641	56,208	22,385	34,059	60.6
Wichita, Kans.	4,911	23,853	24,671	52,450	72,217	40,738	58,052	80.4
Wilkes-Barre, Pa.	23,339	37,718	51,721	67,105	73,833	24,423	28,709	38.9
Wilmington, Del.	42,478	61,431	76,508	87,411	110,168	44,937	56,868	51.6
Worcester, Mass.	58,291	84,655	118,421	148,980	179,754	41,421	50,716	28.2
Youngstown, N. Y.	18,892	32,033	47,931	79,803	100,176	21,640	30,169	30.0
Youngstown, Ohio.	16,435	33,220	44,885	79,066	132,358	25,595	46,459	35.1

¹ Includes Indians, Chinese, Japanese, and other nonwhite.

² Total population for 1910, including South Bethlehem and West Bethlehem Boroughs, now a part of Bethlehem, 32,810; native white of native parentage, 16,498; native white of foreign or mixed parentage, 6,920; foreign-born white, 9,159; Negro, 228; other colored, 5.

³ Total population for 1910, including Hyde Park, annexed since 1910, 686,092; native white of native parentage, 163,028; native white of foreign or mixed parentage, 292,908; foreign-born white, 245,164; Negro, 13,651; other colored, 1,341.

Source: Bureau of the Census, Department of Commerce.

No. 44.—PERSONS ENGAGED IN GAINFUL OCCUPATIONS: By SEX AND AGE, CONTINENTAL UNITED STATES

NOTE.—Owing to change in the date of enumeration from April to January and to changes in the wording of the instructions, the number of persons, especially women and children, reported as farm laborers was much less in 1920 than would have been the case if the 1910 method had been followed. The incomparability in this occupation affects materially the figures for the agricultural group as a whole and even for all occupations combined. For discussion see Census of 1920, Vol. IV, pp. 12 to 14

Census year and age period	Males, 10 years and over			Females, 10 years and over		
	Total number	In gainful occupations		Total number	In gainful occupations	
		Number	Per cent		Number	Per cent
1910						
10 years and over.....	37,027,568	30,091,504	81.3	34,552,712	8,075,772	23.4
10 to 13 years.....	3,665,779	609,030	16.6	3,593,239	286,946	8.0
14 and 15 years.....	1,798,449	744,109	41.4	1,770,898	350,140	19.8
16 to 20 years.....	4,564,170	3,615,623	79.2	4,632,821	1,847,600	39.9
21 to 44 years ¹	17,840,843	17,262,209	96.7	16,331,449	4,302,969	26.3
45 years and over.....	9,149,308	7,860,693	85.9	8,224,305	1,288,117	15.7
1920						
10 years and over.....	42,289,969	33,064,737	78.2	40,449,346	8,540,511	21.1
10 to 13 years.....	4,336,009	268,259	6.0	4,258,863	119,804	2.8
14 and 15 years.....	1,958,976	455,989	23.3	1,948,734	226,806	11.6
16 and 17 years.....	1,902,867	1,103,456	58.0	1,925,204	609,192	31.6
18 and 19 years.....	1,845,246	1,443,968	78.3	1,895,734	802,235	42.3
20 to 24 years.....	4,527,045	4,121,392	91.0	4,749,976	1,809,075	38.1
25 to 44 years.....	16,028,020	15,579,586	97.2	15,249,602	3,417,373	22.4
45 to 64 years.....	9,114,960	8,552,175	93.8	7,915,205	1,352,479	17.1
65 years and over.....	2,483,071	1,492,837	60.1	2,460,144	199,900	8.0
Age unknown.....	92,875	57,075	61.5	55,824	15,647	28.0

¹ Includes persons of unknown age.

No. 45.—PERSONS ENGAGED IN GAINFUL OCCUPATIONS: By SEX, AGE, AND PRINCIPAL CLASSES, CONTINENTAL UNITED STATES, 1920

NOTE.—Per cents represent the proportion which persons employed form of the total number of persons of the specified class and age. See headnote, Table 44

Sex and age periods	Native white-native parentage		Native white-foreign or mixed parentage		Foreign-born white		Negro	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Male.....	16,788,668	75.1	6,237,012	75.2	6,627,997	89.3	3,252,862	81.1
10 to 13 years.....	144,005	5.5	13,150	1.2	3,269	2.6	96,470	10.6
14 and 15 years.....	245,039	20.6	94,260	20.7	19,657	24.7	95,407	42.4
16 and 17 years.....	608,005	53.2	279,938	62.8	72,401	71.6	140,568	65.2
18 and 19 years.....	823,481	75.3	341,770	81.0	102,814	87.3	171,209	83.8
20 to 24 years.....	2,289,446	89.9	925,130	91.2	436,545	95.3	455,308	93.5
25 to 44 years.....	7,726,512	97.0	2,910,176	96.9	3,484,701	98.1	1,376,666	97.3
45 to 64 years.....	4,088,668	93.9	1,508,153	92.6	2,143,433	93.5	767,459	97.2
65 years and over.....	831,450	80.9	100,123	63.1	355,075	52.3	139,476	80.2
Age unknown.....	30,856	52.5	4,312	73.9	11,039	80.4	10,299	76.2
Female.....	3,733,320	17.2	2,110,454	24.8	1,118,463	18.4	1,571,289	38.9
10 to 13 years.....	48,437	1.9	4,355	0.4	1,501	1.2	64,982	13.1
14 and 15 years.....	88,495	7.6	63,294	13.9	14,265	17.7	60,372	25.5
16 and 17 years.....	264,121	23.2	208,981	45.3	56,929	54.0	83,549	37.2
18 and 19 years.....	378,393	34.4	248,415	57.6	72,237	68.6	102,238	43.7
20 to 24 years.....	855,946	32.5	521,017	48.8	177,030	37.7	252,417	44.5
25 to 44 years.....	1,439,349	18.4	774,177	24.6	506,267	18.6	689,933	45.2
45 to 64 years.....	558,202	14.4	271,734	16.7	250,084	13.9	269,955	45.7
65 years and over.....	93,033	6.8	21,686	8.3	38,453	5.9	43,096	27.1
Age unknown.....	7,363	22.0	1,794	33.2	1,697	26.0	4,747	47.5

Source of Tables 44 and 45: Bureau of the Census, Department of Commerce.

No. 46.—PERSONS 10 YEARS OF AGE AND OVER IN EACH GENERAL DIVISION OF OCCUPATIONS: CONTINENTAL UNITED STATES

NOTE.—See headnote, Table 44

Class of occupation	Both sexes		Males		Females	
	1910	1920	1910	1920	1910	1920
All occupations.....	38,167,336	41,614,248	30,091,564	33,094,737	8,075,772	8,540,511
Agriculture, forestry, and animal husbandry.....	¹ 12,859,082	10,973,158	¹ 10,851,581	9,893,030	1,807,501	1,084,128
Extraction of minerals.....	¹ 966,169	1,090,223	¹ 964,075	1,087,359	1,091	2,864
Manufacturing and mechanical industries.....	¹ 10,628,731	12,818,524	¹ 8,808,161	10,888,183	¹ 1,820,570	1,930,341
Transportation.....	¹ 2,637,420	3,063,582	¹ 2,530,795	2,850,528	¹ 106,025	213,054
Trade.....	3,614,470	4,242,979	3,146,582	3,575,187	408,088	607,792
Public service (not elsewhere classified).....	459,291	770,460	445,733	748,066	13,538	21,794
Professional service.....	¹ 1,093,631	2,143,889	¹ 959,470	1,127,391	¹ 733,801	1,010,498
Domestic and personal service.....	¹ 3,772,559	3,404,892	¹ 1,241,338	1,217,908	¹ 2,531,221	2,186,024
Clerical occupations.....	1,737,053	3,126,541	1,143,820	1,700,425	593,224	1,426,110
Per cent of total.....	100.0	100.0	100.0	100.0	100.0	100.0
Agriculture, forestry, and animal husbandry.....	33.2	26.3	36.1	29.8	22.4	12.7
Extraction of minerals.....	2.5	2.6	3.2	3.3	(²)	(²)
Manufacturing and mechanical industries.....	27.8	30.8	29.3	32.9	22.5	22.6
Transportation.....	6.9	7.4	8.4	8.6	1.3	2.5
Trade.....	9.5	10.2	10.5	10.8	5.8	7.8
Public service (not elsewhere classified).....	1.2	1.9	1.5	2.3	0.2	0.3
Professional service.....	4.4	5.2	3.2	3.4	9.1	11.9
Domestic and personal service.....	9.9	8.2	4.1	3.7	31.3	25.0
Clerical occupations.....	4.6	7.5	3.8	5.1	7.3	16.7

¹ Figures corrected to conform to 1920 classification.

² Less than one-tenth of 1 per cent.

No. 47.—NUMBER ENGAGED IN EACH GENERAL DIVISION OF OCCUPATIONS: BY SEX AND AGE, CONTINENTAL UNITED STATES, 1920

NOTE.—For totals of all ages see Table 46. A few persons of unknown age are omitted. See also headnote Table 44

Class of occupation	Age groups—							
	10 to 13 years	14 and 15 years	16 and 17 years	18 and 19 years	20 to 24 years	25 to 44 years	45 to 64 years	65 years and over
MALE								
All occupations.....	258,259	455,989	1,108,456	1,443,968	4,121,392	15,579,586	8,552,175	1,492,837
Agriculture, forestry, and animal husbandry.....	221,409	237,829	306,484	457,588	1,134,640	3,906,116	2,788,518	662,046
Extraction of minerals.....	598	6,447	42,906	54,924	143,920	577,472	239,137	22,350
Manufacturing and mechanical industries.....	6,737	97,598	366,215	475,401	1,395,784	5,461,425	2,085,508	378,073
Transportation.....	1,682	13,935	90,989	120,285	404,362	1,503,805	601,331	79,010
Trade.....	16,869	32,865	79,620	104,222	372,471	1,799,041	1,020,408	144,500
Public service (not elsewhere classified).....	136	949	10,833	50,993	114,931	300,401	214,150	47,415
Professional service.....	325	1,054	5,774	17,792	106,632	605,082	328,803	58,614
Domestic and personal service.....	4,880	11,202	24,388	32,040	112,716	603,610	357,849	66,685
Clerical occupations.....	6,123	53,510	116,247	130,723	335,937	755,845	264,285	36,020
FEMALE								
All occupations.....	119,804	226,806	608,192	802,235	1,809,075	3,417,373	1,352,470	196,900
Agriculture, forestry, and animal husbandry.....	107,549	80,522	81,427	71,497	130,700	337,087	219,802	54,356
Extraction of minerals.....	40	97	304	299	510	1,125	405	66
Manufacturing and mechanical industries.....	2,736	78,266	221,298	214,340	382,765	730,260	271,047	26,986
Transportation.....	217	3,078	27,396	30,960	70,702	43,266	7,600	547
Trade.....	844	13,200	55,042	67,744	138,915	201,658	91,725	7,408
Public service (not elsewhere classified).....	17	28	94	547	2,929	12,090	5,554	471
Professional service.....	296	1,190	11,449	69,450	298,827	490,804	130,650	10,970
Domestic and personal service.....	7,202	30,632	88,145	118,720	302,226	972,489	568,448	93,135
Clerical occupations.....	804	19,703	124,084	210,063	481,411	618,598	57,388	2,955

Source of Tables 46 and 47: Bureau of the Census, Department of Commerce.

No. 48.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN GAINFUL OCCUPATIONS: BY STATES

NOTE.—The percentages represent the proportion which persons occupied form of the total population of the given sex 10 years of age and over. See also headnote, Table 44

Division and State	Males				Females			
	Number		Per cent		Number		Per cent	
	1910	1920	1910	1920	1910	1920	1910	1920
Continental United States.....	30,091,564	33,084,737	81.3	78.2	8,075,772	8,549,611	93.4	21.1
New England.....	2,189,629	2,363,377	80.7	80.4	775,161	871,015	98.9	29.0
Maine.....	242,175	245,013	78.8	77.9	93,282	64,845	21.3	21.1
New Hampshire.....	143,863	143,525	80.6	79.2	48,340	40,802	27.5	27.3
Vermont.....	115,781	111,585	77.9	77.2	28,308	26,899	20.2	19.2
Massachusetts.....	1,086,767	1,225,163	81.1	80.9	444,301	503,155	81.7	31.6
Rhode Island.....	180,962	194,438	82.5	82.0	70,939	80,562	32.1	32.7
Connecticut.....	370,481	443,653	81.3	81.0	119,981	146,252	27.0	27.1
Middle Atlantic.....	6,880,196	7,122,699	81.1	80.1	1,828,687	2,117,517	94.1	24.1
New York.....	3,020,158	3,367,909	81.0	80.4	983,686	1,135,295	26.7	26.9
New Jersey.....	834,795	1,014,603	81.1	80.8	289,595	295,990	24.0	23.9
Pennsylvania.....	2,525,245	2,740,127	81.3	79.5	605,436	686,232	20.9	20.7
East North Central.....	5,975,863	6,951,808	79.4	76.7	1,282,590	1,664,041	18.2	16.9
Ohio.....	1,572,343	1,891,546	79.8	73.4	346,712	409,970	18.5	18.3
Indiana.....	880,070	981,647	79.5	77.7	165,731	185,385	14.8	16.0
Illinois.....	1,865,422	2,036,800	80.0	78.8	431,350	540,938	20.0	21.3
Michigan.....	1,228,815	1,228,631	79.6	80.0	186,183	245,383	17.4	18.1
Wisconsin.....	720,804	813,184	70.5	75.8	162,608	182,365	18.6	18.3
West North Central.....	3,758,603	3,815,681	78.2	74.6	690,440	772,816	16.1	16.2
Minnesota.....	689,847	742,947	78.2	75.3	145,605	164,066	19.5	18.4
Iowa.....	694,790	717,377	76.1	73.2	131,514	141,821	15.5	15.2
Missouri.....	1,075,772	1,072,545	80.7	77.4	211,504	244,615	10.8	18.1
North Dakota.....	188,372	178,754	78.3	70.9	29,046	28,328	15.8	13.0
South Dakota.....	190,363	186,885	77.4	72.2	28,714	29,686	14.5	13.3
Nebraska.....	377,811	385,292	70.8	72.9	63,303	71,789	14.6	14.8
Kansas.....	510,639	531,881	77.3	73.8	80,694	92,510	13.0	13.7
South Atlantic.....	3,797,257	4,098,041	83.9	77.5	1,390,472	1,243,956	31.0	23.8
Delaware.....	63,317	73,122	81.5	70.7	17,546	18,102	22.1	20.8
Maryland.....	410,884	466,257	81.0	80.0	130,280	137,221	25.2	23.8
District of Columbia.....	105,044	143,401	79.6	82.6	52,921	92,626	36.0	45.5
Virginia.....	626,868	677,366	81.4	76.4	168,700	156,210	22.0	18.1
West Virginia.....	394,390	433,677	81.6	76.0	54,100	57,439	12.9	11.2
North Carolina.....	974,849	993,155	86.4	75.5	272,990	202,697	34.2	21.9
South Carolina.....	460,794	408,601	86.7	77.6	267,833	205,656	49.0	33.4
Georgia.....	867,185	840,412	85.9	78.6	352,941	288,745	37.3	26.7
Florida.....	248,926	300,050	83.2	77.7	78,161	85,262	27.5	23.3
East South Central.....	2,859,080	2,808,411	85.3	77.9	940,605	792,433	30.7	21.1
Kentucky.....	719,369	710,629	82.3	77.1	147,611	131,493	17.4	14.5
Tennessee.....	682,248	677,988	83.5	76.5	173,288	152,108	21.6	17.2
Alabama.....	683,194	684,348	88.3	79.5	314,330	223,868	40.9	25.8
Mississippi.....	574,279	526,446	88.2	78.7	305,360	194,964	47.6	29.1
West South Central.....	2,760,782	3,049,275	82.8	76.2	746,299	666,873	24.4	17.8
Arkansas.....	510,410	518,754	86.8	77.7	161,993	115,810	29.7	18.2
Louisiana.....	601,574	528,507	81.9	77.2	177,609	152,726	29.6	22.4
Oklahoma.....	520,376	586,834	80.3	73.6	78,253	94,594	14.2	13.2
Texas.....	1,228,422	1,415,180	82.7	76.6	328,444	308,843	24.1	17.8
Mountain.....	967,924	1,077,774	81.7	77.1	140,013	177,220	16.1	15.2
Montana.....	159,896	185,905	84.0	78.9	18,851	23,273	16.6	16.2
Idaho.....	118,050	135,960	80.4	75.5	13,038	17,609	12.8	12.0
Wyoming.....	67,593	72,134	87.5	81.7	6,013	9,402	14.9	15.0
Colorado.....	285,083	303,870	81.3	76.8	53,641	62,687	18.5	17.8
New Mexico.....	106,418	107,090	80.7	74.5	15,079	14,941	13.8	12.1
Arizona.....	77,236	112,193	81.5	78.1	10,589	18,388	16.8	16.4
Utah.....	113,113	127,418	76.9	74.0	18,427	21,786	14.4	13.7
Nevada.....	40,535	33,214	87.3	84.3	4,375	4,334	18.7	17.7
Pacific.....	1,652,818	1,979,671	82.1	79.8	281,156	434,039	18.0	20.4
Washington.....	455,375	485,767	82.4	80.3	66,126	92,600	17.4	18.7
Oregon.....	264,601	267,701	81.5	78.1	40,473	54,492	17.5	18.4
California.....	932,762	1,226,113	82.1	80.0	174,916	286,647	20.1	21.4

Source: Bureau of the Census, Department of Commerce.

No. 49.—MALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH GROUP OF GAINFUL OCCUPATIONS, BY STATES, 1920

NOTE.—For total number of males 10 years of age or over gainfully employed see Table 48

Division and State	Agriculture, forestry, and animal husbandry	Extraction of minerals	Manufacturing and mechanical industries	Transportation	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations
Continental United States.	9,869,030	1,087,359	10,888,183	2,850,528	3,578,187	748,666	1,127,391	1,217,968	1,700,425
New England.....	247,478	4,843	1,253,096	198,566	274,306	65,022	87,638	92,175	140,363
Maine.....	75,203	745	97,295	21,402	23,171	5,188	7,212	7,350	7,438
New Hampshire.....	29,300	404	74,373	11,049	12,203	2,821	4,272	4,248	4,165
Vermont.....	43,052	1,898	38,257	8,650	9,358	1,685	3,131	2,624	2,930
Massachusetts.....	55,759	1,195	668,645	111,360	100,831	37,232	50,626	54,204	85,231
Rhode Island.....	8,084	160	116,070	14,710	22,126	8,383	6,248	7,270	10,787
Connecticut.....	35,990	441	257,856	30,795	46,617	9,713	16,040	16,380	29,812
Middle Atlantic.....	639,264	343,032	3,126,524	741,491	900,307	185,584	294,824	340,120	551,593
New York.....	395,505	7,435	1,405,004	370,154	505,254	98,691	162,195	209,493	303,178
New Jersey.....	69,200	3,922	516,750	104,616	124,213	34,267	41,913	42,334	37,458
Pennsylvania.....	274,549	331,675	1,203,770	266,721	270,840	52,630	90,710	88,293	160,927
East North Central.....	1,587,933	215,637	2,799,796	577,811	781,712	124,802	237,951	235,992	391,104
Ohio.....	349,997	59,359	857,307	100,339	202,635	31,522	66,016	60,839	103,532
Indiana.....	280,552	33,276	331,848	77,925	95,511	13,851	30,586	25,732	36,366
Illinois.....	371,237	90,528	753,468	201,205	290,437	50,041	80,988	80,807	159,099
Michigan.....	281,562	23,582	562,838	82,530	119,309	19,303	36,863	36,882	60,792
Wisconsin.....	297,685	3,892	294,345	55,812	73,820	10,085	23,498	22,702	31,345
West North Central.....	1,642,093	73,995	849,681	332,124	450,398	57,581	124,742	138,032	156,495
Minnesota.....	298,258	14,975	180,607	64,977	87,761	11,220	24,307	25,482	35,360
Iowa.....	310,891	14,476	158,173	62,685	86,956	8,774	23,997	21,208	22,477
Missouri.....	353,195	21,468	280,280	94,113	135,441	17,727	37,110	43,060	59,251
North Dakota.....	114,250	1,206	17,849	11,510	16,772	1,408	4,907	4,260	4,295
South Dakota.....	110,457	1,433	24,287	12,041	18,997	1,083	5,605	4,812	3,868
Nebraska.....	183,020	387	70,782	35,796	47,117	5,239	12,738	12,402	13,810
Kansas.....	227,633	20,260	111,708	53,002	57,324	11,534	17,083	15,908	17,434
South Atlantic.....	1,797,788	133,943	1,012,013	308,651	340,787	119,639	110,521	117,831	165,218
Delaware.....	17,151	59	30,853	7,520	6,007	1,493	2,580	2,818	4,515
Maryland.....	92,745	6,630	171,220	52,951	54,323	21,400	16,971	18,099	31,329
Dist. Columbia.....	928	79	38,739	14,833	18,558	15,640	12,294	12,402	20,878
Virginia.....	283,102	16,181	167,771	61,397	56,900	31,920	16,510	20,399	23,785
West Virginia.....	119,703	102,856	108,021	36,115	29,844	4,128	12,436	8,645	11,920
North Carolina.....	397,214	1,986	164,367	34,803	46,013	8,619	15,401	13,022	12,770
South Carolina.....	293,644	921	88,515	20,920	29,805	10,382	8,200	8,884	7,015
Georgia.....	484,330	2,450	152,063	51,781	67,409	19,184	17,008	20,778	23,981
Florida.....	108,911	2,962	89,804	28,319	30,374	7,492	10,153	12,552	9,483
East South Central.....	1,494,091	104,792	454,116	102,267	185,276	34,552	55,462	57,194	60,671
Kentucky.....	374,428	51,384	121,408	46,972	55,034	10,087	17,344	16,534	20,848
Tennessee.....	363,798	17,690	128,118	48,734	59,514	7,905	16,192	18,091	18,616
Alabama.....	381,890	35,664	135,608	40,497	43,561	6,424	13,169	13,467	14,256
Mississippi.....	373,975	254	68,892	20,154	27,167	4,040	8,817	9,092	7,451
West South Central.....	1,567,024	82,740	543,527	232,399	277,152	70,896	81,568	94,898	99,033
Arkansas.....	342,341	5,551	72,100	27,288	33,809	7,754	11,357	10,010	8,535
Louisiana.....	238,325	7,581	124,707	48,874	46,119	10,033	12,297	18,943	21,691
Oklahoma.....	292,400	38,190	90,303	39,071	56,206	8,400	17,902	17,770	16,884
Texas.....	693,862	31,418	247,408	110,470	141,021	44,703	40,040	48,299	51,983
Mountain.....	413,355	92,851	210,630	105,500	105,644	29,374	39,420	41,522	39,472
Montana.....	82,772	10,691	30,962	17,957	16,427	2,688	5,925	6,603	5,979
Idaho.....	71,543	5,120	23,253	10,552	11,376	1,427	4,489	4,270	3,412
Wyoming.....	25,221	8,767	14,922	9,510	5,345	1,433	2,044	2,785	2,101
Colorado.....	95,925	23,357	67,077	29,000	39,070	6,338	12,547	13,492	14,364
New Mexico.....	53,204	7,302	14,142	10,604	7,142	6,853	3,055	3,069	2,158
Arizona.....	32,917	15,339	21,840	11,270	9,798	8,223	4,229	4,575	3,996
Utah.....	42,372	10,060	30,917	11,484	13,523	2,285	5,668	4,713	3,855
Nevada.....	8,401	0,170	0,923	4,151	2,459	6,227	1,461	2,015	1,107
Pacific.....	480,394	35,620	638,794	191,819	259,635	61,216	95,337	110,344	106,606
Washington.....	127,720	8,809	168,566	49,384	56,727	12,471	19,235	21,227	22,178
Oregon.....	89,002	2,197	81,215	26,823	30,477	4,362	11,201	10,685	11,136
California.....	262,982	24,620	389,013	115,150	173,431	44,383	64,001	78,432	73,192

Source: Bureau of the Census, Department of Commerce.

No. 50.—FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH GROUP OF GAINFUL OCCUPATIONS, BY STATES, 1920

NOTE.—For total number of females 10 years of age and over gainfully occupied see Table 48

Division and State	Agriculture, forestry, and animal husbandry	Extraction of minerals	Manufacturing and mechanical industries	Transportation	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations
Continental United States	1,084,128	2,894	1,930,341	218,054	667,792	21,794	1,016,498	2,186,924	1,426,116
New England	8,102	10	379,171	16,635	58,164	1,298	87,749	168,266	184,621
Maine.....	2,101	3	22,953	1,238	4,398	208	9,412	16,698	7,804
New Hampshire.....	1,030	2	24,950	702	2,458	119	5,084	9,810	5,136
Vermont.....	1,208	1	6,415	628	1,609	103	4,490	9,009	3,376
Massachusetts.....	1,796	3	219,253	10,549	32,688	844	48,137	94,766	95,219
Rhode Island.....	270		45,260	1,194	4,428	69	5,839	11,937	11,591
Connecticut.....	1,691	1	60,350	2,324	9,413	132	14,792	20,043	31,506
Middle Atlantic	20,989	894	685,894	57,738	174,657	3,111	229,186	494,899	450,213
New York.....	9,269	114	351,104	33,420	86,980	1,683	126,690	263,468	293,686
New Jersey.....	1,953	12	111,825	6,499	20,380	307	28,206	62,579	64,189
Pennsylvania.....	9,764	757	222,935	17,819	68,197	1,061	74,300	168,852	122,467
East North Central	46,787	601	371,288	51,130	161,934	3,833	207,148	378,861	342,903
Ohio.....	10,658	214	102,075	13,242	43,600	732	51,454	100,838	87,097
Indiana.....	7,454	46	45,598	6,043	19,024	489	29,247	47,567	32,017
Illinois.....	9,468	116	122,542	19,150	57,307	1,186	65,693	125,404	140,046
Michigan.....	8,812	216	55,587	7,804	24,735	650	35,560	69,299	53,004
Wisconsin.....	10,365	9	45,460	4,831	17,208	470	28,538	45,733	29,789
West North Central	46,890	148	112,840	26,705	77,984	3,794	151,545	214,379	138,538
Minnesota.....	9,618	19	23,395	5,515	16,070	554	31,175	44,038	32,482
Iowa.....	7,232	20	18,349	4,030	14,930	759	32,894	38,297	24,140
Missouri.....	13,693	43	50,603	7,776	23,452	729	32,091	70,125	46,133
North Dakota.....	3,429	2	1,338	952	2,180	286	5,111	8,909	3,124
South Dakota.....	3,018	4	1,995	789	2,088	330	6,277	8,441	3,846
Nebraska.....	4,085	1	7,119	2,812	7,746	423	17,402	18,837	13,369
Kansas.....	5,479	52	9,841	4,231	10,030	708	24,606	26,120	16,435
South Atlantic	379,790	378	180,855	15,570	55,077	2,812	100,523	375,453	123,790
Delaware.....	533	1	3,796	419	1,473	37	1,655	6,378	3,810
Maryland.....	3,136	7	36,195	2,988	11,784	291	12,733	48,538	21,549
District of Columbia.....	19		5,716	1,602	4,224	430	6,908	30,177	43,163
Virginia.....	18,605	24	28,371	2,220	8,141	530	17,832	64,264	16,223
West Virginia.....	5,889	295	9,000	1,442	5,265	213	10,089	18,408	8,841
North Carolina.....	80,472	4	46,655	1,534	5,932	346	16,216	43,637	7,861
South Carolina.....	129,991	3	21,029	1,066	5,926	225	9,647	38,336	4,494
Georgia.....	129,027	7	28,979	2,970	5,129	418	18,029	86,123	14,072
Florida.....	15,023	37	10,923	1,079	5,154	322	7,330	39,002	5,787
East South Central	311,051	207	69,291	8,398	28,292	1,506	51,672	193,313	38,703
Kentucky.....	19,321	87	25,536	2,834	9,814	533	14,555	44,227	14,569
Tennessee.....	36,336	40	22,585	2,716	7,915	288	14,404	55,379	12,356
Alabama.....	122,755	75	15,103	1,678	6,523	349	12,229	67,345	7,860
Mississippi.....	132,639	5	6,067	1,170	4,035	386	10,304	36,362	3,980
West South Central	241,080	329	44,858	15,356	43,557	2,227	72,478	180,866	68,259
Arkansas.....	66,310	5	4,225	1,437	4,654	319	9,001	35,678	6,086
Louisiana.....	52,611	8	14,437	2,060	7,912	332	11,139	53,727	10,430
Oklahoma.....	22,101	159	5,482	3,876	8,605	562	10,373	24,022	12,864
Texas.....	99,978	77	20,712	7,993	21,489	1,014	35,006	86,700	29,892
Mountain	13,803	213	16,795	6,017	18,069	1,544	36,949	54,928	39,898
Montana.....	2,248	27	1,667	900	2,771	312	6,708	9,069	4,515
Idaho.....	1,317	3	1,312	659	1,957	222	4,393	4,930	2,719
Wyoming.....	824	23	442	341	809	126	2,107	3,306	1,429
Colorado.....	3,228	26	6,247	2,310	6,600	446	12,410	19,526	11,729
New Mexico.....	1,329	5	1,976	318	991	58	3,108	5,313	1,340
Arizona.....	3,252	68	2,215	313	1,516	130	2,076	5,600	2,560
Utah.....	887	21	2,877	946	3,015	183	4,329	5,458	4,298
Nevada.....	183	8	269	168	370	68	612	1,733	629
Pacific	16,079	96	69,801	15,496	54,031	1,969	79,270	116,973	90,321
Washington.....	3,306	12	10,978	3,562	11,618	473	17,097	25,997	19,302
Oregon.....	2,368	6	7,210	2,248	6,448	300	10,662	14,567	10,740
California.....	9,965	78	41,613	9,689	35,968	1,196	51,511	76,409	60,213

Source: Bureau of the Census, Department of Commerce.

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
All occupations.....	41, 614, 248	33, 064, 737	8, 549, 511	28, 868, 468	7, 746, 460	4, 824, 151
Agriculture, forestry, and animal husbandry.....	10, 968, 168	8, 866, 080	1, 084, 128	7, 766, 257	891, 561	2, 178, 888
Dairy farmers, farmers, and stock raisers..	6, 201, 261	5, 947, 425	253, 836	4, 694, 494	555, 047	925, 192
Dairy farm, farm, and stock farm laborers.....	4, 041, 627	3, 248, 712	792, 915	2, 602, 089	217, 043	1, 102, 504
Dairy farm, farm, garden, orchard, etc., foremen.....	93, 048	78, 708	14, 340	80, 389	9, 141	3, 102
Fishermen and oystermen.....	52, 836	52, 467	379	32, 763	12, 811	5, 765
Foresters, forest rangers, and timber cruisers.....	3, 653	3, 651	2	3, 254	370	1
Gardeners, florists, fruit growers, and nurserymen.....	169, 399	160, 116	9, 283	118, 814	37, 709	6, 813
Garden, greenhouse, orchard, and nursery laborers.....	137, 010	127, 589	9, 421	70, 697	38, 884	18, 294
Lumbermen, raftsmen, and woodchoppers.....	205, 315	205, 036	279	125, 442	51, 844	25, 487
Owners and managers of log and timber camps.....	8, 410	8, 397	13	6, 979	1, 268	122
Poultry raisers and poultry-yard laborers.....	18, 715	15, 379	3, 336	14, 016	4, 232	863
All other pursuits.....	21, 884	21, 560	324	17, 340	3, 153	1, 245
Extraction of minerals.....	1, 090, 223	1, 087, 359	2, 864	687, 684	377, 138	73, 229
Foremen, overseers, and inspectors.....	36, 931	36, 923	8	27, 607	8, 702	598
Operators, officials, and managers.....	34, 325	34, 143	182	30, 322	3, 039	26
Coal mine operatives.....	733, 936	732, 441	1, 495	369, 743	278, 615	54, 697
Copper mine operatives.....	36, 054	35, 018	136	13, 116	22, 643	73
Gold and silver mine operatives.....	32, 700	32, 666	34	20, 232	12, 113	86
Iron mine operatives.....	38, 704	38, 605	99	9, 289	24, 065	5, 344
Lead and zinc mine operatives.....	20, 798	20, 749	49	17, 280	3, 220	280
Other and not specified mine operatives.....	20, 591	20, 533	58	12, 097	4, 460	3, 976
Quarry operatives.....	45, 162	45, 084	78	24, 112	14, 675	6, 326
Oil and gas well operatives.....	85, 550	85, 303	247	81, 223	2, 508	1, 703
Salt well and works operatives.....	5, 472	4, 994	478	2, 913	2, 198	220
Manufacturing and mechanical industries.....	12, 818, 524	10, 888, 183	1, 930, 341	8, 274, 827	3, 634, 249	886, 810
Apprentices to building and hand trades.....	73, 953	73, 897	56	60, 100	6, 557	1, 267
Apprentices to dressmakers and milliners.....	4, 326	17	4, 309	3, 459	657	204
Apprentices, other.....	65, 898	60, 532	5, 366	58, 839	6, 158	855
Bakers.....	97, 940	93, 347	4, 693	41, 002	53, 606	3, 164
Blacksmiths, forgemen, and hammermen.....	221, 421	221, 416	5	154, 820	57, 500	8, 886
Boiler makers.....	74, 088	74, 088	-----	55, 150	17, 492	1, 398
Brick and stone masons.....	131, 264	131, 257	7	73, 592	47, 005	10, 609
Builders and building contractors.....	90, 109	90, 030	79	63, 708	19, 922	1, 464
Cabinetmakers.....	45, 511	45, 503	8	20, 818	24, 207	459
Carpenters.....	887, 379	887, 208	171	631, 178	221, 303	34, 243
Compositors, linotypers, and type setters.....	140, 165	128, 859	11, 306	117, 632	20, 833	1, 540
Coopers.....	19, 066	19, 061	5	10, 536	6, 333	2, 191
Dressmakers and seamstresses (not in factory).....	235, 855	836	235, 519	170, 849	37, 707	26, 973
Dyers.....	15, 109	14, 978	131	6, 158	8, 645	208
Electricians.....	212, 964	212, 945	19	180, 190	25, 392	1, 342
Electrotypers, stereotypers, and lithographers.....	13, 716	13, 530	186	11, 128	2, 507	78
Engineers (stationary), cranimen, hoistmen, etc.....	279, 984	279, 040	44	220, 099	53, 279	6, 353
Engravers.....	15, 053	14, 492	561	11, 667	3, 537	45
Files, grinders, buffers, and polishers (metal).....	59, 785	57, 315	2, 470	37, 002	21, 235	936
Firemen (except locomotive and fire department).....	143, 875	143, 862	13	75, 202	45, 293	23, 153
Foremen and overseers (manufacturing).....	307, 413	277, 242	80, 171	237, 725	66, 226	3, 287
Furnacemen, smeltermen, heaters, pourers, etc.....	40, 806	40, 800	6	23, 210	14, 333	3, 236
Glass blowers.....	9, 144	9, 055	89	7, 161	1, 937	45
Jewelers, watchmakers, goldsmiths, and silversmiths.....	30, 592	37, 914	1, 678	25, 788	13, 151	528

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Laborers (n. o. s.):						
Building, general, and not specified laborers.....	623, 203	608, 075	15, 128	332, 996	161, 165	134, 828
Chemical and allied industries.....						
Fertilizer factories.....	74, 289	70, 994	3, 295	29, 135	27, 487	17, 496
Paint and varnish factories.....	12, 049	12, 808	135	1, 624	1, 688	9, 615
Powder, cartridge, dynamite, fuse, and fireworks factories.....	4, 841	4, 677	164	2, 308	2, 012	518
Soap factories.....	8, 467	7, 821	646	5, 165	2, 407	879
Other chemical factories.....	4, 715	4, 346	369	2, 156	2, 220	338
Cigar and tobacco factories.....	43, 323	41, 342	1, 981	17, 882	19, 160	6, 136
Clay and stone industries.....						
Clay, glass, and stone industries.....	35, 157	21, 295	13, 862	11, 720	2, 087	21, 334
Brick, tile, and terra-cotta factories.....	124, 544	120, 215	4, 329	99, 991	35, 698	18, 763
Glass factories.....	48, 636	48, 099	537	25, 575	12, 940	10, 004
Lime, cement, and artificial stone factories.....	28, 937	26, 461	2, 476	18, 563	6, 859	3, 503
Marble and stone yards.....	30, 051	29, 884	167	14, 450	11, 629	3, 917
Potteries.....	5, 084	5, 061	23	2, 871	1, 615	597
Other pottery factories.....	11, 836	10, 710	1, 126	8, 532	2, 655	642
Clothing industries.....						
Corset factories.....	12, 776	6, 414	6, 362	8, 492	2, 847	1, 407
Glove factories.....	771	194	577	558	210	3
Hat factories (felt).....	1, 757	800	958	1, 450	284	21
Shirt, collar, and cuff factories.....	980	825	154	634	421	54
Suit, coat, cloak, and overall factories.....	2, 708	1, 317	1, 391	2, 018	358	310
Other clothing factories.....	3, 984	2, 219	1, 765	2, 218	844	917
Food industries.....	2, 567	960	1, 607	1, 714	730	122
Food industries.....						
Bakeries.....	159, 535	143, 397	16, 138	81, 813	47, 948	27, 730
Butter, cheese, and condensed milk factories.....	8, 315	6, 869	1, 446	4, 631	2, 535	1, 139
Candy factories.....	15, 190	14, 174	1, 016	12, 217	2, 564	397
Fish curing and packing.....	6, 584	4, 398	2, 186	3, 084	1, 896	699
Flour and grain mills.....	6, 300	5, 261	1, 039	2, 774	1, 008	1, 453
Fruit and vegetable canning, etc.....	18, 121	17, 983	138	12, 190	3, 353	2, 564
Slaughter and packing houses.....	13, 058	9, 743	3, 315	8, 121	3, 311	913
Sugar factories and refineries.....	59, 548	55, 436	4, 112	22, 210	22, 622	14, 680
Other food factories.....	15, 733	15, 414	319	6, 898	7, 024	1, 749
Harness and saddle industries.....	16, 686	14, 119	2, 567	8, 779	3, 785	4, 136
Helpers in building and hand trades.....	1, 885	1, 727	158	1, 480	252	150
Iron and steel industries.....						
Agricultural implement factories.....	63, 510	63, 412	107	35, 365	14, 877	13, 223
Automobile factories.....	729, 613	717, 022	12, 591	294, 130	328, 800	105, 641
Blast furnaces and steel rolling mills (including tinplate mills).....	11, 409	11, 292	117	5, 784	4, 812	809
Car and railroad shops.....	83, 341	80, 874	2, 467	37, 804	39, 031	6, 430
Ship and boat building.....	258, 830	256, 548	2, 282	82, 815	133, 440	42, 445
Wagon and carriage factories.....	53, 643	53, 289	359	25, 723	18, 697	8, 958
Other iron and steel factories ¹	69, 196	68, 017	279	28, 823	22, 821	17, 149
Not specified metal industries.....	9, 817	9, 694	223	6, 693	1, 832	1, 291
Other metal industries.....	179, 607	173, 734	5, 873	86, 094	77, 319	16, 121
Brass mills.....	93, 770	92, 783	987	20, 398	30, 848	12, 438
Clock and watch factories.....	67, 887	62, 771	5, 116	30, 202	33, 379	3, 006
Copper factories.....	18, 485	17, 614	871	5, 614	11, 802	1, 065
Gold, silver, and jewelry factories.....	3, 108	1, 920	1, 179	2, 219	866	23
Lead and zinc factories.....	10, 063	10, 008	55	3, 019	7, 346	377
Tinware, enamelware, etc., factories.....	3, 693	3, 316	377	2, 068	1, 483	92
Other metal factories.....	8, 927	8, 859	68	4, 631	3, 666	615
Lumber and furniture industries.....	17, 605	15, 430	2, 169	10, 460	6, 215	919
Furniture factories.....	5, 106	4, 700	397	2, 101	2, 001	905
Planing and organ factories.....	320, 613	309, 874	10, 739	170, 246	40, 963	106, 276
Saw and planing mills ²	35, 272	32, 600	2, 672	24, 100	8, 550	2, 600
Other woodworking factories.....	5, 321	4, 596	725	3, 158	2, 011	151
Paper and pulp mills.....	245, 683	241, 334	4, 349	121, 637	25, 077	96, 039
Printing and publishing.....	34, 337	31, 344	2, 993	21, 451	5, 825	7, 436
Shoe factories.....	52, 263	49, 786	2, 477	31, 947	17, 293	2, 926
Tanneries.....	11, 436	8, 886	2, 550	7, 928	2, 250	1, 244
Textile industries—	19, 210	14, 194	5, 016	14, 090	4, 776	344
Carpet mills.....	27, 480	26, 703	777	12, 487	12, 466	2, 593
Cotton mills.....	3, 953	3, 378	575	1, 952	1, 922	79
Knitting mills.....	76, 315	59, 646	16, 669	47, 537	15, 954	12, 816
Lace and embroidery mills.....	11, 943	6, 603	5, 340	9, 115	1, 869	967
	944	677	267	578	341	25

¹ Not otherwise specified.² Includes iron foundries.³ Includes box factories (wood).

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Laborers—Continued.						
Textile industries—Continued.						
Silk mills.....	10,080	7,350	2,730	0,728	3,075	277
Textile dyeing, finishing, and printing mills.....	10,605	9,885	720	5,957	4,713	531
Woolen and worsted mills.....	22,227	18,238	3,989	10,056	11,811	339
Other textile mills.....	17,243	14,504	2,739	8,627	6,073	2,023
Other industries.....	463,891	426,303	37,403	220,651	156,430	86,284
Broom and brush factories.....	2,800	2,407	393	1,071	500	241
Button factories.....	1,407	1,093	314	838	534	35
Electric light and power plants.....	15,417	15,255	162	9,304	3,790	2,243
Electrical supply factories.....	26,789	23,562	3,227	13,804	11,625	1,247
Gas works.....	18,845	18,737	58	7,576	7,072	3,288
Leather belt, leather case, etc., factories.....	3,578	3,274	304	1,427	1,897	254
Liquor and beverage industries.....	10,530	10,295	235	5,041	3,898	1,580
Paper-box factories.....	3,384	2,401	983	2,319	910	148
Petroleum refineries.....	31,795	31,596	199	16,160	10,826	4,767
Rubber factories.....	51,467	47,515	3,952	28,782	20,858	1,817
Straw factories.....	577	513	64	293	254	30
Other and not specified industries.....	207,302	209,730	27,572	132,886	93,302	70,026
Loom fixers.....	15,931	15,958	3	8,749	7,182	29
Machinists, millwrights, and tool-makers.....	804,062	804,054	8	665,875	218,049	10,286
Machinists.....	801,901	801,896	5	599,630	192,030	9,753
Millwrights.....	37,069	37,069	0	27,345	9,338	376
Toolmakers and die setters and sinkers.....	55,092	55,089	3	38,900	16,021	158
Managers and superintendents (manufacturing).....	201,721	196,771	4,950	178,161	28,316	163
Manufacturers and officials.....	231,615	223,289	8,326	158,428	72,718	354
Mechanics (n. o. s.).....	281,741	281,690	51	232,319	30,826	9,290
Millers (grain, flour, feed, etc.).....	23,272	23,265	7	20,554	2,339	367
Milliners and millinery dealers.....	73,255	3,657	69,698	60,710	11,944	500
Molders, founders, and casters (metal).....	123,681	123,668	13	66,094	50,343	6,634
Oilers of machinery.....	24,012	24,568	44	10,772	0,777	1,027
Painters, glaziers, and varnishers (building).....	248,497	248,394	103	177,076	63,281	8,084
Painters, glaziers, enamellers, etc. (factory).....	74,535	71,303	3,232	51,984	21,107	1,898
Paper hangers.....	18,746	18,333	408	14,043	3,745	954
Pattern and model makers.....	27,720	27,663	57	21,162	6,600	48
Plasterers and cement finishers.....	45,876	45,870	6	25,790	12,979	7,082
Plumbers and gas and steam fitters.....	206,718	206,715	3	170,034	33,107	3,510
Pressmen and plate printers (printing).....	18,683	18,683	0	16,416	2,166	101
Rollers and roll hands (metal).....	25,061	25,061	0	15,924	8,390	736
Roofers and slaters.....	11,373	11,373	0	7,970	2,795	609
Sawyers.....	33,809	33,800	9	26,060	4,367	2,755
Semiskilled operatives (n. o. s.):						
Chemical and allied industries.....	50,341	32,072	18,269	36,143	11,892	2,253
Fertilizer factories.....	1,407	1,352	55	616	185	003
Paint and varnish factories.....	5,521	4,686	835	3,673	1,631	216
Powder, cartridge, dynamite, fuse, and fireworks factories.....	7,379	4,811	2,568	5,567	1,635	151
Soap factories.....	6,288	3,239	3,049	4,618	1,545	121
Other chemical factories.....	20,746	17,984	11,762	21,069	6,896	1,162
Cigar and tobacco factories.....	145,222	61,262	83,960	80,372	38,923	10,849
Clay, glass, and stone industries.....	85,434	72,289	13,165	62,113	19,697	3,551
Brick, tile, and terra-cotta factories.....	9,987	9,357	630	6,327	2,656	1,004
Glass factories.....	44,831	37,636	7,195	34,464	8,851	1,506
Lime, cement, and artificial-stone factories.....	7,633	7,426	207	4,380	2,616	625
Marble and stone yards.....	5,546	5,478	68	3,138	2,191	217
Potteries.....	17,437	12,372	5,065	13,804	3,383	199
Clothing industries.....	409,361	143,718	265,643	218,816	176,409	13,888
Corset factories.....	12,642	1,115	11,527	9,906	2,690	47
Glova factories.....	23,357	6,584	16,773	18,475	4,772	99
Hat factories (felt).....	21,178	14,716	6,462	13,689	7,304	173
Shirt, collar, and cuff factories.....	52,377	10,361	42,016	39,373	10,981	1,431
Suit, coat, cloak, and overall factories.....	143,872	79,357	64,515	53,485	83,075	7,287
Other clothing factories.....	155,935	31,585	124,350	83,429	67,587	4,851

1 Not otherwise specified.

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Semiskilled operatives—Continued.						
Food industries.....	183,895	116,403	72,402	122,408	50,057	15,792
Bakeries.....	20,441	8,858	11,583	15,907	4,396	723
Butter, cheese, and condensed-milk factories.....	18,841	16,096	2,745	14,983	3,660	190
Candy factories.....	52,281	20,913	31,368	37,924	12,892	1,405
Fish curing and packing.....	7,580	4,363	3,223	2,972	1,069	3,191
Flour and grain mills.....	8,112	7,524	588	6,105	1,603	504
Fruit and vegetable canning, etc.....	10,204	3,598	6,306	7,267	2,335	494
Slaughter and packing houses.....	49,991	41,906	8,085	23,941	18,469	7,554
Sugar factories and refineries.....	3,806	3,144	662	2,386	1,253	161
Other food factories.....	17,633	9,791	7,842	11,523	4,476	1,570
Harness and saddle industries.....	18,135	17,573	562	13,478	4,384	255
Iron and steel industries.....	689,980	632,161	57,819	462,572	203,394	23,016
Agricultural implement factories.....	7,722	7,136	586	4,953	2,657	106
Automobile factories.....	121,164	108,376	12,788	85,013	34,331	1,720
Blast furnaces and steel rolling mills (including tinplate mills).....	93,627	89,526	4,101	52,956	35,287	5,352
Car and railroad shops.....	97,079	97,003	76	63,617	25,964	3,019
Ship and boat building.....	97,068	97,176	491	65,440	25,886	6,200
Wagon and carriage factories.....	9,430	8,749	681	7,023	2,182	225
Other iron and steel factories ¹	245,450	209,112	36,338	108,126	71,695	5,580
Not specified metal industries.....	16,942	16,084	1,858	10,439	6,092	808
Other metal industries.....	91,291	80,844	30,447	62,744	27,297	1,234
Brass mills.....	17,482	13,570	3,900	10,124	7,102	254
Clock and watch factories.....	18,244	10,043	8,201	13,876	4,342	23
Copper factories.....	2,986	2,334	152	1,728	1,208	48
Gold, silver, and jewelry factories.....	21,322	13,378	7,944	15,102	6,074	139
Lead and zinc factories.....	2,464	2,186	278	1,777	627	60
Tinware, enamelware, etc., factories.....	19,566	12,167	7,189	14,025	4,748	580
Other metal factories.....	0,437	6,060	2,777	6,112	3,195	127
Lumber and furniture industries.....	168,710	150,079	18,040	116,442	41,324	9,598
Furniture factories.....	55,717	48,906	6,811	37,480	10,628	1,654
Planing and organ factories.....	18,852	16,949	2,903	12,102	7,592	157
Saw and planing mills ²	57,320	54,016	3,304	42,123	8,567	6,209
Other woodworking factories.....	35,590	30,208	5,622	24,737	9,637	1,608
Paper and pulp mills.....	54,669	41,321	13,348	39,380	14,422	345
Printing and publishing.....	80,403	39,281	41,122	66,808	11,966	1,595
Shoe factories.....	206,225	132,813	73,412	148,944	55,941	1,806
Tanneries.....	32,226	28,598	3,628	15,940	15,305	971
Textile industries—						
Carpet mills.....	23,387	13,003	10,384	13,063	9,222	191
Cotton mills.....	302,454	153,269	149,185	206,250	92,534	3,049
Knitting mills.....	107,604	26,922	80,682	87,153	19,408	1,034
Lace and embroidery mills.....	10,083	6,088	12,997	10,948	7,066	227
Silk mills.....	115,721	42,953	72,768	84,595	30,793	328
Textile dyeing, finishing, and printing mills.....	17,736	12,154	5,582	10,940	6,477	305
Woolen and worsted mills.....	126,418	64,703	61,715	72,609	53,019	322
Other textile mills.....	79,094	34,944	45,050	49,798	25,850	1,631
Other industries.....	622,662	410,256	212,406	417,418	182,155	22,757
Broom and brush factories.....	12,606	10,219	2,387	9,152	2,796	647
Button factories.....	12,977	7,768	5,209	8,428	4,269	277
Electric light and power plants.....	15,949	15,610	339	13,407	2,154	370
Electrical supply factories.....	64,841	37,452	27,389	50,217	14,170	429
Gas works.....	9,462	9,294	168	6,782	2,351	327
Leather belt, leather case, etc., factories.....	17,189	12,809	4,380	9,012	7,857	318
Liquor and beverage industries.....	15,056	14,960	96	7,773	7,148	723
Paper-box factories.....	20,452	7,077	13,375	15,898	4,285	284
Petroleum refineries.....	8,891	8,220	662	6,727	1,900	257
Rubber factories.....	86,204	67,370	18,834	59,678	25,641	868
Straw factories.....	14,102	7,761	6,351	6,940	7,075	85
Other and not specified industries.....	344,334	211,717	132,617	223,404	102,489	18,192
Shoemakers and cobblers (not in factory).....	78,359	78,599	260	25,600	48,284	4,707
Skilled occupations (n. o. s.).....	19,895	19,326	69	13,914	5,236	238
Annealers and temperers (metal).....	2,913	2,910	3	1,728	1,133	51
Planing and organ tuners.....	7,047	7,007	40	5,624	1,346	77
Wood carvers.....	3,025	3,008	17	1,414	1,602	9
Other skilled occupations.....	6,410	6,401	9	5,148	1,155	101

¹ Not otherwise specified.² Includes iron foundries.³ Includes box factories (wood).

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Stone cutters.....	22,099	22,096	3	10,868	10,955	280
Structural iron workers (building).....	18,836	13,836	-----	13,704	4,920	196
Tailors and tailoresses.....	192,232	160,404	31,828	43,432	141,359	6,892
Tinsmiths and coppersmiths.....	74,968	74,957	11	53,715	20,259	970
Upholsterers.....	29,605	27,338	2,267	20,182	8,771	648
Transportation.....	3,083,682	2,860,528	213,054	2,195,679	547,618	312,421
Water transportation:⁴						
Boatmen, canalmen, and lock keepers.....	6,319	6,286	33	5,128	835	347
Captains, masters, mates, and pilots.....	26,320	26,318	2	17,678	8,326	307
Longshoremen and stevedores.....	85,928	85,605	323	20,893	37,633	27,837
Sailors and deck hands.....	54,832	54,800	32	27,098	20,214	7,232
Road and street transportation:⁴						
Carriage and hack drivers.....	9,057	8,966	91	6,401	1,346	1,298
Chauffeurs.....	285,045	284,096	949	202,987	43,095	38,573
Draymen, teamsters, and expressmen.....	411,132	410,484	648	298,942	54,907	56,714
Foremen of livery and transfer companies.....	3,868	3,866	2	2,804	825	237
Garage keepers and managers.....	42,151	41,944	207	37,201	4,551	309
Hostlers and stable hands.....	18,976	18,973	3	10,321	4,432	4,147
Laborers (garage, road, and street).....	158,482	158,204	278	76,714	45,381	35,829
Garage.....	31,450	31,339	111	21,691	3,680	6,047
Road and street building and repairing.....	115,836	115,673	163	51,165	35,880	28,318
Street cleaning.....	11,193	11,102	4	3,858	5,871	1,464
Livery-stable keepers and managers.....	11,240	11,168	72	9,469	1,565	193
Proprietors and managers of transfer companies.....	23,497	23,231	266	18,573	3,886	990
Railroad transportation:⁴						
Baggagemen and freight agents.....	16,819	16,789	30	14,746	1,589	482
Boiler washers and engine hostlers.....	25,805	25,271	534	16,037	5,417	3,517
Brakemen.....	114,107	114,107	-----	102,956	6,409	4,722
Conductors (steam railroad).....	74,539	74,539	-----	69,010	5,487	33
Conductors (street railroad).....	63,760	63,507	253	52,823	10,930	4
Foremen and overseers (steam railroad).....	73,046	72,980	66	55,844	15,674	1,185
Foremen and overseers (street railroad).....	6,248	6,236	12	4,663	1,507	74
Laborers (steam railroad).....	470,199	463,613	6,586	214,030	153,453	97,979
Laborers (street railroad).....	25,514	25,046	468	9,832	11,411	4,104
Locomotive engineers.....	109,899	109,899	-----	99,683	10,099	111
Locomotive firemen.....	91,345	91,345	-----	78,305	6,491	6,605
Motormen.....	66,510	66,499	20	49,851	16,653	6
Officials and superintendents.....	35,881	35,830	51	32,827	3,051	3
Switchmen, flagmen, and yardmen.....	111,565	111,000	565	91,131	16,800	3,698
Ticket and station agents.....	26,685	24,324	2,261	24,642	1,924	10
Express, post, telegraph, and telephone:⁴						
Agents (express companies).....	5,293	5,193	100	5,038	250	4
Express messengers and railway mail clerks.....	25,005	24,996	9	23,015	1,083	904
Mail carriers.....	91,451	90,131	1,320	82,094	5,631	3,693
Telegraph and telephone linemen.....	37,917	37,905	12	34,670	2,860	377
Telegraph messengers.....	9,403	8,969	434	8,161	979	258
Telegraph operators.....	79,434	62,574	16,860	74,950	4,341	130
Telephone operators.....	190,160	11,781	178,379	181,589	7,816	718
Other transportation pursuits:						
Foremen and overseers (n. o. s.).....	25,995	25,958	37	21,463	4,073	446
Road and street building and repairing.....	6,558	9,557	1	7,763	1,009	181
Telegraph and telephone.....	6,822	6,797	25	6,184	631	7
Other transportation.....	9,615	9,604	11	7,516	1,830	258
Inspectors (steam and street railroads).....	46,172	46,120	52	37,445	8,495	229
Inspectors (other transportation).....	4,061	3,728	333	3,656	395	10
Laborers (n. o. s.).....	33,432	33,229	203	20,378	6,206	6,814
Express companies.....	9,089	9,067	22	6,019	1,574	1,480
Pipe lines.....	7,369	7,362	7	5,152	1,838	371
Telegraph and telephone.....	5,088	5,011	77	3,801	781	504
Water transportation.....	5,966	5,963	3	3,312	1,056	1,539
Other transportation.....	5,020	5,826	94	2,094	957	2,864
Proprietors, officials, and managers.....	13,957	13,384	573	17,204	1,661	12
Telegraph and telephone.....	11,603	11,059	544	10,961	636	3
Other transportation.....	7,354	7,325	29	6,303	1,025	9

¹ Not otherwise specified.⁴ Selected occupations.⁵ Teamsters in agriculture, forestry, and extraction of minerals are classified with the other workers in those industries, and drivers for bakeries and laundries are classified with deliverymen in trade.

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Other transportation pursuits—Contd.						
Other occupations (semiskilled).....	48,124	46,694	1,490	35,261	9,843	2,944
Steam railroad.....	28,621	27,916	705	21,548	4,568	2,499
Street railroad.....	9,259	9,088	171	6,239	2,837	181
Other transportation.....	10,244	9,690	614	7,474	2,438	324
Trade.....	4,242,979	3,576,187	867,792	3,238,273	860,530	140,467
Bankers, brokers, and money lenders...	161,613	156,309	5,304	145,749	15,544	142
Bankers and bank officials.....	82,375	78,149	4,226	76,901	5,319	72
Commercial brokers and commission men.....	27,552	27,358	194	22,091	4,487	15
Loan brokers and pawnbrokers.....	5,473	5,321	152	4,441	1,014	10
Stock brokers.....	20,609	20,233	376	26,773	2,800	28
Brokers, not specified and promoters.....	16,604	16,248	356	14,043	1,924	17
Clerks in stores⁶.....	413,918	243,521	170,397	354,397	52,775	5,268
Commercial travelers.....	179,320	176,514	2,806	160,762	18,210	357
Decorators, drapers, window dressers.....	8,853	7,698	1,155	7,069	1,660	129
Deliverymen (bakeries, stores, and laundries).....	170,235	170,030	198	117,867	27,794	24,398
Floorwalkers and foremen in stores.....	20,604	16,565	4,039	16,265	4,007	322
Foremen (warehouses, stockyards, etc.).....	5,833	5,802	31	4,625	1,064	142
Inspectors, gaugers, and samplers.....	13,714	12,683	1,031	10,420	2,313	977
Insurance agents.....	119,918	114,835	5,083	100,043	16,897	2,922
Officials of insurance companies.....	15,060	14,754	306	13,035	1,848	173
Laborers, coal yards.....	25,192	25,157	35	10,818	7,546	6,794
Laborers, elevators.....	11,312	11,244	68	8,148	2,004	1,158
Laborers, lumberyards.....	43,351	43,207	54	23,996	11,758	7,453
Laborers, stockyards.....	22,888	22,859	29	6,533	10,316	6,082
Laborers, warehouses.....	22,800	22,156	710	11,372	5,416	6,042
Laborers, porters, helpers in stores.....	125,007	116,602	8,405	57,311	26,044	40,885
Newshoys.....	27,961	27,635	326	24,800	2,220	1,115
Proprietors, officials, and managers ¹	34,770	33,715	1,051	30,002	4,425	268
Real estate agents and officials.....	149,135	139,927	9,208	123,147	24,495	1,369
Retail dealers⁷.....	1,928,275	1,249,295	78,980	873,094	424,881	23,520
Agricultural implements and wagons.....	7,789	7,760	29	6,723	1,060	2
Automobiles and accessories.....	28,708	28,026	142	25,585	3,117	45
Books and stationary.....	8,986	7,800	1,126	5,850	3,575	39
Boots and shoes.....	22,544	21,781	763	13,801	9,069	143
Butchers and meat dealers.....	122,105	120,040	1,105	71,122	47,708	3,009
Buyers and shippers of grain.....	7,305	7,288	17	6,586	713	4
Buyers and shippers of livestock.....	30,464	30,433	31	27,148	3,102	172
Buyers and shippers of other farm produce.....	10,540	10,507	33	9,872	801	38
Candy and confectionery.....	40,091	32,368	7,723	19,613	10,808	573
Cigars and tobacco.....	19,141	18,031	1,110	12,350	6,513	194
Clothing and men's furnishings.....	46,653	43,440	3,213	25,327	21,115	128
Coal and wood.....	26,556	26,057	499	18,500	6,279	1,754
Delicatessen stores.....	4,333	3,665	768	1,220	3,084	27
Department stores.....	11,752	10,800	952	9,456	2,246	34
Drugs and medicines, including druggists and pharmacists.....	80,157	76,995	3,162	68,501	10,519	910
Dry goods, fancy goods, and notions.....	63,909	56,158	7,751	37,402	25,688	262
Five and ten cent and variety stores.....	5,968	4,899	1,069	4,624	1,321	13
Flour and feed.....	9,309	9,212	97	7,818	1,443	40
Fruit.....	23,385	22,185	1,200	5,585	17,403	216
Furniture.....	26,013	25,337	676	18,511	7,229	256
General stores.....	80,026	76,317	3,709	67,029	10,813	884
Groceries.....	239,236	216,059	23,177	148,544	82,542	6,339
Hardware, stoves, and cutlery.....	41,144	40,453	691	34,731	6,303	74
Hucksters and peddlers.....	50,402	48,493	1,909	15,989	31,434	3,104
Jewelry.....	21,433	20,652	781	14,428	6,853	96
Junk.....	22,749	22,596	153	5,272	16,332	1,132
Lumber.....	27,687	27,589	98	25,125	2,496	60
Milk.....	13,104	12,509	595	8,707	4,230	74
Music and musical instruments.....	7,909	7,350	549	6,272	1,601	32
Newsdealers.....	8,474	7,898	666	5,714	2,589	165
Oil, paint, and wall paper.....	6,577	6,298	279	4,950	1,612	12
Opticians.....	12,632	11,743	889	10,400	2,078	50
Produce and provisions.....	34,473	32,373	1,800	21,443	11,036	689
Other specified retail dealers.....	100,933	94,820	6,113	63,858	34,893	1,378
Not specified retail dealers.....	65,728	59,483	6,245	46,040	17,370	1,488
Salesmen and saleswomen.....	1,177,494	810,352	361,142	1,008,141	159,965	6,413
Auctioneers.....	5,048	5,045	3	4,819	714	13
Demonstrators.....	4,823	1,039	3,184	4,325	401	64
Sales agents.....	41,841	40,207	1,634	37,067	4,070	96
Salesmen and saleswomen (stores).....	1,125,782	769,461	356,321	962,440	154,180	6,210

¹ Not otherwise specified. ⁶ Many of the "Clerks in stores" are probably "Salesmen and saleswomen."
⁷ Includes also managers and superintendents of retail stores.

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Trade—Continued.						
Undertakers	24,469	23,842	1,127	20,772	2,134	1,558
Wholesale dealers, importers and exporters	73,574	72,780	794	50,136	22,871	67
Other pursuits (semiskilled)	67,611	52,106	15,505	50,040	14,343	2,967
Fruit graders and packers	8,074	4,988	3,086	6,348	1,191	353
Meat cutters	22,884	22,804	80	18,211	4,218	446
Packers, wholesale and retail trade	10,701	13,603	6,098	13,931	4,664	1,076
Other occupations	16,052	10,711	6,241	11,550	4,280	1,082
Public service (not elsewhere classified)	770,480	748,686	21,794	590,496	127,280	60,552
Firemen (fire department)	50,771	60,771	—	45,119	5,540	100
Guards, watchmen, and doorkeepers	115,553	115,154	399	75,071	35,814	4,568
Laborers (public service)	106,915	105,385	1,530	44,898	31,320	30,330
Marshals, sheriffs, detectives, etc.	32,214	30,968	1,246	25,521	3,341	323
Officials and inspectors (city)	33,505	31,918	1,587	29,222	4,200	77
Officials and inspectors (county)	22,092	18,830	3,262	20,695	1,370	18
Officials and inspectors (State)	9,126	8,596	530	8,384	734	4
Postmasters	31,035	20,727	11,208	30,235	1,557	116
Other United States officials	39,273	35,621	632	35,768	3,369	74
Policemen	82,120	81,884	236	67,062	18,854	999
Soldiers, sailors, and marines ⁸	225,593	225,593	—	189,192	22,553	12,511
Other pursuits	21,453	20,309	1,144	16,369	3,628	1,423
Professional service	2,143,889	1,127,391	1,016,498	1,828,090	281,719	80,193
Actors	28,361	15,124	13,237	22,581	4,558	1,095
Showmen	10,811	18,694	1,117	10,054	2,811	878
Architects	18,185	16,048	137	15,213	2,905	60
Artists, sculptors, and teachers of art	35,402	20,785	14,017	27,549	7,479	269
Authors	6,068	3,692	3,008	5,710	872	64
Editors and reporters	34,197	33,467	5,790	30,395	3,422	251
Chemists, assayers, and metallurgists	32,041	31,227	1,714	27,390	4,788	207
Clergymen	127,270	125,483	1,787	80,540	26,891	19,571
College presidents and professors ⁹	35,407	23,332	10,075	26,290	3,053	1,063
Dentists	59,152	54,323	1,820	48,397	6,527	1,109
Designers, draftsmen, and inventors	70,651	62,937	7,664	56,617	13,830	945
Lawyers, judges, and justices	122,519	120,781	1,738	113,822	7,679	1,050
Librarians	15,207	1,795	13,402	14,439	788	69
Musicians and teachers of music	130,265	57,587	72,678	102,798	21,444	5,902
Osteopaths	5,030	3,367	1,663	4,382	424	215
Photographers	34,259	27,140	7,119	26,092	6,511	698
Physicians and surgeons	144,677	137,758	7,219	125,696	15,671	3,495
Teachers (athletics, dancing, etc.)	9,711	5,677	4,034	8,200	1,371	121
Teachers (school)	752,055	116,845	635,207	681,017	35,136	35,442
Technical engineers	136,121	130,080	41	119,889	15,941	134
Civil engineers and surveyors	64,060	64,642	18	58,786	5,743	35
Electrical engineers	27,077	27,065	12	24,941	2,944	68
Mechanical engineers ¹⁰	37,689	37,678	11	31,298	6,326	81
Mining engineers	6,695	6,665	—	5,764	928	—
Trained nurses	149,123	5,464	143,664	122,908	22,772	3,341
Veterinary surgeons	13,494	13,493	1	11,984	1,367	145
All other professional pursuits	19,721	13,950	5,771	16,419	2,983	117
Semiprofessional pursuits	116,555	70,626	45,929	93,504	19,821	2,888
Abstractors, notaries, and justices of peace	10,071	8,588	1,483	9,202	800	58
Healers (except osteopaths and physicians and surgeons)	14,774	6,872	7,902	11,013	3,042	606
Keepers of charitable and penal institutions	12,884	7,953	4,931	10,620	2,184	126
Officials of lodges, societies, etc.	11,796	9,574	2,192	9,553	1,833	270
Religious, charity, welfare workers	41,078	14,151	26,927	32,176	7,873	1,231
Theatrical owners, managers, and officials	18,395	17,138	1,257	15,139	3,054	175
All other occupations	7,617	6,350	1,267	5,796	1,385	416
Attendants and helpers (prof. service)	31,712	14,693	17,019	26,949	2,708	2,014
Domestic and personal service	3,404,892	1,217,993	2,186,824	1,526,930	789,193	1,084,590
Barbers, hairdressers, and manicurists	216,211	182,965	33,246	124,995	59,108	31,352
Billiard room, dance hall, skating rink, etc., keepers	24,897	24,655	242	16,134	6,913	1,522

⁸ Includes only those resident in continental United States at the date of enumeration.⁹ Probably includes some teachers in schools below collegiate rank.¹⁰ Includes, also, all technical engineers not elsewhere classified.

No. 51.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Domestic and personal service—Contd.						
Boarding and lodging house keepers.....	133,392	18,652	114,740	92,582	29,474	10,787
Bootblacks.....	15,175	15,142	33	2,049	7,556	5,560
Charwomen and cleaners.....	36,803	11,848	24,955	12,557	14,596	9,283
Elevator tenders.....	40,713	33,376	7,337	19,934	10,885	10,334
Hotel keepers and managers.....	55,583	41,449	14,134	41,030	12,834	1,020
Housekeepers and stewards.....	221,612	17,202	204,350	159,513	46,255	15,161
Janitors and sextons.....	178,628	149,590	29,038	78,604	54,910	44,110
Laborers (domestic and professional service).....	32,893	31,224	1,069	17,212	10,009	5,485
Launderers and laundresses (not in laundry).....	396,766	10,882	385,874	72,583	34,638	288,763
Laundry operatives ¹¹	120,715	39,968	80,747	63,263	19,397	25,332
Laundry owners, officials, and managers ¹¹	13,692	12,230	1,458	8,150	4,180	247
Midwives.....	4,773	—	4,773	806	2,476	1,437
Nurses (not trained).....	151,996	10,338	132,058	110,071	23,024	13,798
Porters, domestic and professional service.....	43,208	42,920	279	8,268	9,083	25,405
Porters, steam railroad.....	22,513	22,486	27	1,504	745	20,224
Other porters (except in stores).....	22,447	22,268	179	4,047	4,521	13,802
Restaurant, café, and lunch room keepers.....	87,987	72,343	15,644	47,503	30,456	7,511
Servants	1,270,946	253,813	1,012,133	486,618	285,634	481,590
Bell boys, chore boys, etc.....	17,231	16,472	759	7,166	2,445	7,293
Chambermaids.....	20,302	260	29,062	10,596	8,130	10,453
Coachmen and footmen.....	2,427	—	—	737	1,102	494
Cooks.....	398,475	120,857	268,618	104,677	80,877	202,435
Ladies' maids, valets, etc.....	5,791	1,268	4,523	3,082	2,098	548
Nursemaids.....	11,800	11	11,870	5,003	1,029	5,244
All other servants.....	805,830	108,528	697,302	355,357	189,263	255,123
Waiters.....	228,985	112,004	116,921	113,049	66,149	45,836
Other pursuits	84,067	78,475	6,492	40,509	31,841	5,971
Bartenders.....	26,085	25,976	109	14,125	11,349	573
Cleaners and renovators (clothing).....	21,667	17,004	4,573	11,607	5,792	4,057
Hunters, trappers, and guides.....	7,332	7,288	44	5,998	695	304
Saloon keepers.....	17,835	17,312	523	6,941	10,791	96
All other occupations.....	12,048	10,805	1,243	7,838	3,314	851
Clerical occupations	3,126,541	1,700,425	1,426,116	2,820,107	267,177	37,011
Agents, canvassers, and collectors.....	175,772	159,941	15,831	154,180	19,877	1,560
Bookkeepers, cashiers, and accountants.....	734,688	376,504	359,124	664,923	66,578	2,364
Clerks (except clerks in stores).....	1,487,905	1,015,742	472,163	1,332,767	136,649	17,437
Messenger, bundle, and office boys and girls ¹²	113,022	98,768	14,254	91,034	8,577	13,332
Stenographers and typists.....	615,154	50,410	564,744	577,203	35,496	2,312

¹¹ Some of the owners of hand laundries probably are included with laundry operatives.¹² Except telegraph messengers.No. 52.—SHIFT IN OCCUPATIONS, 1880-1920 (ADJUSTED FIGURES)¹

Occupation	Number (thousands)			Per cent		
	1880	1900	1920	1880	1900	1920
Total.....	17,362	26,073	41,864	100.0	100.0	100.0
Agriculture, lumbering, and fishing.....	8,596	10,889	11,393	49.4	37.5	27.2
Manufacturing, mechanical pursuits, and mining.....	4,449	7,451	13,809	25.6	29.1	33.0
Trade, transportation, and clerical work.....	2,122	5,444	10,383	12.2	18.7	24.8
Professional service.....	603	1,213	2,112	3.5	4.6	5.0
Domestic and personal service.....	1,622	3,076	4,157	9.3	10.6	9.9

¹ Owing to changes in the grouping of occupations according to great classes, in the definition of certain individual occupations, and in instructions to enumerators (especially as to reporting women and children), the census statistics as originally published require regrouping and also certain adjustments which must be made by estimate. The margin of possible error involved in these estimates is not sufficient to obscure the general nature of the shift which has taken place.

Source of Tables 51 and 52: Bureau of the Census; adjustments in Table 48 by Division of Statistical Research, Bureau of Foreign and Domestic Commerce.

No. 53.—RELIGIOUS BODIES: CHURCHES AND MEMBERS, BY DENOMINATIONS

NOTE: The names of many of the denominations have been somewhat abbreviated

Denomination	Churches reporting members		Number of members		Membership by age, 1926		
	1916	1926	1916	1926	Under 13 years	13 years and over	Age not reported
All denominations.....	226, 718	232, 154	41, 928, 854	54, 576, 346	8, 320, 785	36, 947, 018	9, 305, 548
Adventists (5 bodies).....	2, 667	2, 570	114, 918	146, 177	3, 540	127, 467	15, 170
Baptist bodies.....	57, 828	60, 192	7, 153, 313	8, 440, 022	415, 798	6, 149, 474	1, 875, 050
Northern Baptist Convention.....	18, 819	7, 611	1, 244, 705	1, 280, 060	49, 897	1, 122, 211	117, 858
Southern Baptist Convention.....	23, 580	23, 374	2, 708, 870	3, 524, 378	182, 828	2, 805, 543	530, 008
Negro Baptists ¹	21, 071	22, 081	2, 938, 579	3, 196, 823	178, 230	1, 921, 338	1, 097, 055
Free Will Baptists.....	750	1, 024	54, 833	79, 592	1, 190	65, 789	12, 610
Primitive Baptists.....	2, 142	2, 267	80, 311	81, 374	75	42, 283	33, 015
All other (13 bodies).....	1, 966	3, 885	129, 015	268, 030	3, 578	102, 314	73, 097
Brethren, German Baptist (Dunkers) (5 bodies).....	1, 283	1, 279	133, 026	158, 248	9, 769	137, 343	11, 136
Christian Church (Gen. Convention).....	1, 268	1, 044	118, 737	112, 795	7, 411	93, 509	11, 884
Church of Christ Scientist.....	(²)	1, 913	(³)	202, 098	-----	202, 098	-----
Church of the Nazarene.....	868	1, 444	32, 259	63, 558	3, 077	55, 991	4, 490
Churches of Christ.....	5, 570	6, 225	317, 937	433, 714	-----	-----	433, 714
Congregational Churches.....	4, 5, 900	5, 028	4, 809, 230	881, 090	16, 201	752, 534	112, 871
Disciples of Christ.....	8, 396	7, 645	1, 226, 028	1, 377, 695	87, 237	1, 148, 355	142, 023
Eastern Orthodox Churches.....	301	446	249, 840	260, 840	60, 013	186, 309	13, 082
Greek Orthodox Church.....	87	159	119, 871	119, 495	23, 020	87, 844	8, 631
Russian Orthodox Church.....	199	199	98, 691	96, 184	28, 008	65, 751	3, 380
All other (5 bodies).....	45	84	30, 288	44, 765	10, 890	32, 804	1, 071
Evangelical Church.....	5, 2, 592	2, 054	5, 210, 530	206, 050	10, 410	139, 910	8, 760
Evangelical Synod of North America.....	1, 331	1, 287	330, 853	314, 518	-----	314, 518	-----
Federated Churches.....	(⁴)	361	(⁵)	58, 877	2, 101	51, 511	0, 305
Friends (4 bodies).....	1, 023	855	112, 082	110, 422	16, 100	85, 945	8, 311
Jewish congregations.....	1, 619	3, 118	357, 135	4, 081, 242	-----	-----	4, 081, 242
Latter Day Saints (2 bodies).....	1, 530	1, 867	402, 320	606, 551	119, 361	442, 374	43, 825
Lutheran bodies.....	13, 921	15, 102	2, 467, 516	3, 966, 003	1, 080, 652	2, 731, 069	147, 383
United Luth. Church in America.....	3, 559	3, 650	6, 763, 599	1, 214, 340	304, 723	865, 844	43, 772
Augustana Synod.....	1, 165	1, 180	204, 417	311, 425	79, 920	232, 733	1, 772
Synodical Conference of America ⁷	3, 620	4, 752	777, 701	1, 202, 620	370, 686	860, 021	61, 914
Norwegian Luth. Church of America.....	2, 740	2, 554	318, 650	496, 707	146, 300	328, 306	22, 095
Joint Synod of Ohio and Other States.....	828	872	164, 968	247, 783	73, 234	170, 043	4, 503
Synod of Iowa and Other States.....	977	873	130, 793	217, 873	63, 798	150, 159	3, 916
All other (12 bodies).....	1, 034	1, 221	107, 391	185, 265	50, 986	124, 863	9, 406
Mennonites (17 bodies).....	835	826	79, 393	87, 164	1, 735	77, 641	7, 738
Methodist bodies.....	65, 092	60, 644	7, 166, 885	8, 070, 619	686, 940	9, 190, 559	1, 193, 120
Methodist Episcopal Church.....	29, 315	26, 130	3, 717, 785	4, 080, 777	318, 840	3, 250, 505	516, 432
Methodist Protestant Church.....	2, 473	2, 239	186, 908	192, 171	11, 551	150, 373	30, 247
Methodist Episcopal, South.....	10, 184	18, 090	2, 114, 479	2, 487, 914	239, 047	1, 820, 330	427, 717
African Methodist Episcopal.....	6, 633	6, 708	548, 355	645, 814	42, 230	858, 833	144, 751
African Methodist Episcopal Zion.....	2, 716	2, 466	257, 169	456, 813	57, 977	391, 960	6, 370
Colored Methodist Episcopal.....	2, 621	2, 518	245, 749	202, 713	14, 904	129, 643	58, 106
All other (13 bodies).....	2, 750	2, 487	96, 440	104, 637	6, 731	88, 015	8, 901
Polish National Catholic Church.....	34	91	28, 245	61, 574	16, 151	35, 950	0, 473
Presbyterian bodies.....	15, 840	14, 848	2, 255, 620	2, 625, 284	122, 361	2, 281, 698	221, 225
Presbyterian Church, U. S. A.....	8, 973	8, 847	1, 625, 817	1, 894, 030	77, 700	1, 653, 033	163, 267
Cumberland Presbyterian Church.....	1, 313	1, 087	72, 052	67, 038	3, 345	67, 770	6, 823
United Presbyterian Church.....	991	901	160, 226	171, 571	7, 687	156, 512	7, 472
Presbyterian Church, U. S.....	3, 365	3, 469	357, 769	451, 043	30, 769	370, 463	40, 811
All other (5 bodies).....	398	434	30, 262	40, 702	2, 000	34, 920	2, 822
Protestant Episcopal Church.....	7, 346	7, 200	1, 092, 821	1, 850, 056	462, 310	1, 299, 351	97, 425
Reformed bodies.....	2, 745	2, 632	537, 822	617, 551	35, 891	524, 155	57, 505
Reformed Church in America.....	715	717	144, 929	153, 739	1, 951	118, 964	33, 124
Reformed Church in the U. S.....	1, 758	1, 709	344, 374	361, 256	1, 995	339, 344	13, 947
All other (2 bodies).....	272	256	48, 519	102, 520	31, 945	60, 147	4, 434
Roman Catholic Church.....	17, 375	18, 040	15, 721, 815	18, 605, 003	5, 053, 781	12, 857, 277	693, 945
Salvation Army.....	742	1, 052	35, 964	74, 798	21, 006	53, 745	17, 147
Spiritualists.....	354	611	20, 028	50, 631	506	39, 204	10, 921
Unitarians.....	411	353	32, 515	60, 152	595	67, 873	2, 184
United Brethren (3 bodies).....	3, 889	3, 375	367, 934	305, 825	32, 519	330, 305	32, 761
Universalist Church.....	643	498	68, 565	54, 957	676	49, 835	4, 446
All other denominations.....	4, 723	8, 465	364, 044	592, 672	47, 788	483, 052	61, 832

¹Includes Free Baptist Churches.

²Figures for 1916 are for the National Baptist Convention. Figures for 1926 include 243 churches reported with the Northern Baptist Convention in 1916.

³Not reported.

⁴Includes figures for Evangelical Protestant Church of North America.

⁵Includes Evangelical Association and United Evangelical Church.

⁶Includes the General Synod, United Synod of the South, and the General Council (except Augustana Synod).

⁷Includes 4 synods, of which the largest is the Synod of Missouri, Ohio, and Other States.

⁸Includes figures for Welsh Calvinistic Methodist Church.

Source: Bureau of the Census, Department of Commerce.

No. 54.—RELIGIOUS BODIES: VALUE OF PROPERTY AND EXPENDITURES, AND NUMBER OF SUNDAY SCHOOLS AND SCHOLARS, AS REPORTED FOR 1926, FOR THE PRINCIPAL DENOMINATIONS

NOTE.—The names of many of the denominations have been somewhat abbreviated

Denomination	Value of church edifices		Expenditures during year		Sunday schools	
	Churches reporting	Amount	Churches reporting	Amount	Churches reporting	Number of scholars
All denominations.....	202, 030	\$3, 839, 600, 810	216, 049	\$817, 214, 528	184, 089	21, 038, 526
Adventists (5 bodies).....	1, 819	11, 069, 449	2, 330	7, 610, 893	1, 759	102, 770
Baptist bodies.....	52, 281	469, 827, 795	54, 145	98, 045, 006	47, 889	4, 654, 241
Northern Baptist Convention.....	7, 207	186, 370, 570	7, 380	34, 318, 480	6, 999	1, 052, 704
Southern Baptist Convention.....	21, 123	173, 456, 903	22, 338	42, 904, 563	19, 882	2, 345, 630
Negro Baptists.....	10, 383	103, 405, 759	20, 209	19, 475, 981	18, 755	1, 121, 362
Free Will Baptists.....	766	1, 156, 743	872	262, 613	643	38, 199
Primitive Baptists.....	1, 037	1, 730, 348	776	160, 847	5	181
All other (13 bodies).....	2, 221	4, 647, 404	2, 570	926, 606	1, 605	96, 075
Brethren, German Baptist (Dunkers) (5 bodies).....	1, 206	11, 110, 013	1, 182	2, 203, 622	1, 067	133, 483
Christian Church (General Convention).....	976	7, 202, 193	1, 004	1, 353, 379	938	85, 478
Church of Christ Scientist.....	1, 185	69, 416, 744	1, 859	14, 202, 116	1, 055	140, 566
Church of the Nazarene.....	1, 113	7, 323, 718	1, 340	3, 124, 444	1, 233	109, 237
Churches of Christ.....	5, 089	16, 402, 158	5, 975	3, 961, 310	4, 403	274, 671
Congregational Churches.....	4, 795	162, 212, 552	4, 810	25, 820, 342	4, 601	596, 881
Disciples of Christ.....	6, 587	114, 860, 211	7, 250	22, 907, 484	6, 080	1, 000, 416
Eastern Orthodox Churches.....	397	11, 789, 108	422	2, 044, 415	198	14, 195
Greek Orthodox Church.....	131	5, 011, 718	145	953, 809	73	5, 796
Russian Orthodox Church.....	187	4, 893, 515	195	838, 453	90	5, 770
All other (5 bodies).....	79	1, 893, 875	83	247, 153	35	2, 629
Evangelical Church.....	1, 089	25, 380, 761	2, 036	5, 951, 009	2, 000	280, 195
Evangelical Synod of North America.....	1, 263	35, 789, 581	1, 274	6, 002, 900	1, 146	171, 402
Federated churches.....	343	6, 159, 725	354	1, 272, 455	347	46, 820
Friends (4 bodies).....	819	10, 217, 657	854	1, 687, 785	727	67, 889
Jewish Congregations.....	1, 135	97, 401, 688	1, 200	19, 076, 451	531	70, 380
Latter Day Saints (2 bodies).....	1, 415	18, 983, 315	1, 769	3, 095, 895	1, 736	209, 593
Lutheran bodies.....	13, 400	273, 409, 748	14, 721	59, 500, 845	11, 472	1, 249, 998
United Lutheran Church in America.....	3, 516	114, 526, 248	3, 577	21, 162, 901	3, 415	619, 781
Augustana Synod.....	1, 118	22, 781, 698	1, 165	5, 869, 440	1, 036	100, 775
Synodical Conference of America.....	3, 878	78, 765, 694	4, 601	19, 487, 432	3, 928	212, 071
Norwegian Lutheran Church of America.....	2, 278	24, 822, 215	2, 497	5, 786, 977	1, 860	131, 147
Joint Synod of Ohio and Other States.....	832	15, 046, 708	865	3, 702, 259	769	88, 822
Synod of Iowa and Other States.....	799	8, 657, 480	807	2, 223, 888	778	50, 873
All other (12 bodies).....	979	8, 219, 499	1, 149	1, 767, 932	780	46, 524
Mennonites (17 bodies).....	680	4, 463, 613	731	1, 270, 067	631	87, 897
Methodist bodies.....	56, 493	654, 739, 975	59, 483	152, 151, 978	54, 804	6, 567, 854
Methodist Episcopal Church.....	25, 290	406, 165, 659	25, 790	89, 422, 307	24, 730	3, 796, 561
Methodist Protestant Church.....	2, 094	16, 817, 278	2, 109	3, 137, 211	1, 917	173, 438
Methodist Episcopal, South.....	16, 443	161, 930, 490	17, 798	41, 661, 150	16, 529	1, 802, 494
African Methodist Episcopal.....	5, 829	32, 092, 549	6, 492	7, 600, 101	6, 884	288, 247
African Methodist Episcopal Zion.....	2, 370	18, 515, 723	2, 404	4, 757, 066	2, 429	267, 141
Colored Methodist Episcopal.....	2, 941	9, 211, 437	2, 477	2, 428, 234	2, 351	103, 523
All other (13 bodies).....	2, 126	9, 947, 899	2, 302	3, 155, 849	1, 968	130, 280
Polish National Catholic Church.....	84	3, 365, 600	87	485, 608	74	6, 401
Presbyterian bodies.....	13, 852	443, 572, 158	14, 259	87, 535, 390	13, 222	2, 001, 928
Presbyterian Church in the U. S. A.....	8, 437	388, 152, 743	8, 956	63, 230, 663	8, 237	1, 407, 298
Cumberland Presbyterian Church.....	986	3, 321, 287	961	759, 021	765	48, 052
United Presbyterian Church.....	879	29, 714, 845	890	6, 642, 820	871	148, 658
Presbyterian Church in the U. S. S.....	3, 149	67, 798, 658	3, 330	15, 612, 028	2, 959	307, 795
All other (5 bodies).....	402	4, 584, 625	422	1, 290, 858	390	30, 125
Protestant Episcopal Church.....	6, 532	314, 596, 738	6, 817	44, 790, 130	5, 007	479, 430
Reformed bodies.....	2, 618	83, 457, 147	2, 659	14, 810, 436	2, 489	465, 725
Reformed Church in America.....	690	38, 436, 822	714	5, 524, 673	689	124, 308
Reformed Church in the U. S.....	1, 680	44, 662, 875	1, 692	7, 488, 446	1, 614	315, 343
All other (2 bodies).....	248	5, 357, 450	253	1, 797, 317	186	26, 074
Roman Catholic Church.....	16, 254	837, 271, 053	16, 317	204, 526, 487	8, 239	1, 201, 330
Salvation Army.....	652	17, 738, 506	1, 044	6, 001, 317	1, 015	91, 686
Spiritualists.....	94	1, 384, 156	509	531, 598	92	5, 552
Unitarians.....	337	27, 713, 554	344	3, 418, 075	317	19, 722
United Brethren (3 bodies).....	3, 224	29, 578, 670	3, 285	7, 321, 073	3, 088	400, 747
Universalist Church.....	470	15, 320, 940	470	1, 616, 624	350	24, 789
All other denominations.....	5, 538	52, 259, 075	7, 412	14, 744, 434	6, 376	477, 690

Source: Bureau of the Census, Department of Commerce.

2.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS

[Data in this section relate to continental United States. See also general note, p. 66]

No. 55.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS: BY STATES

Division and State	Number enumerated (Jan. 1)						Ratio per 100,000 of population				
	Deaf-mutes, 1920	Blind, 1920	Pa-tients in hos-pitals for men-tal disease, 1923	Feeble-minded in in-sti-tutions, 1923	Pris-oners, ¹ 1923	Ju-venile delin-quents, ² 1923	Paup-ers in almshouses, 1923	Deaf-mutes	Blind	Pa-tients in hos-pitals for men-tal disease, 1923	Pris-oners
United States	44, 885	52, 567	267, 617	42, 954	109, 619	27, 238	73, 090	42. 5	49. 7	245. 0	99. 7
New England	3, 093	4, 689	28, 876	5, 009	5, 948	2, 803	9, 529	41. 8	63. 5	362. 7	77. 6
Maine	414	553	1, 864	407	511	288	745	53. 9	75. 9	240. 6	65. 9
New Hampshire	149	382	1, 399	393	244	167	370	33. 6	86. 2	313. 5	54. 6
Vermont	143	105	1, 277	179	367	207	284	40. 6	55. 3	302. 3	101. 3
Massachusetts	1, 592	2, 589	15, 899	3, 034	3, 134	1, 229	5, 629	41. 3	67. 2	300. 0	78. 3
Rhode Island	197	231	1, 680	377	547	196	880	32. 6	38. 2	292. 8	87. 7
Connecticut	598	719	4, 837	559	1, 153	516	1, 162	43. 3	62. 1	333. 8	79. 0
Middle Atlantic	8, 381	9, 374	70, 555	13, 393	20, 706	6, 613	18, 584	37. 6	42. 1	308. 4	89. 4
New York	4, 022	4, 205	40, 986	7, 278	10, 635	3, 202	8, 740	25. 7	40. 5	332. 6	98. 7
New Jersey	940	1, 075	8, 864	1, 633	2, 594	887	1, 764	38. 8	34. 1	297. 4	77. 5
Pennsylvania	3, 399	4, 094	20, 685	4, 482	7, 477	2, 524	8, 060	39. 0	46. 0	230. 0	82. 7
East North Central	10, 770	12, 234	56, 881	10, 333	21, 659	4, 987	21, 405	50. 2	57. 0	255. 0	93. 7
Ohio	2, 793	3, 873	13, 163	2, 510	5, 638	1, 604	6, 872	48. 0	67. 2	218. 8	92. 9
Indiana	1, 576	2, 223	6, 595	1, 665	2, 911	832	3, 128	53. 8	75. 9	220. 6	97. 0
Illinois	2, 941	3, 240	19, 061	2, 458	6, 166	1, 200	6, 415	45. 3	50. 1	284. 4	91. 4
Michigan	1, 802	1, 879	8, 971	2, 132	4, 722	760	3, 262	49. 1	43. 0	230. 7	120. 0
Wisconsin	1, 688	1, 513	9, 091	1, 668	1, 622	601	1, 728	34. 1	40. 9	335. 6	59. 5
West North Central	5, 813	6, 111	31, 355	6, 547	10, 284	3, 228	7, 298	46. 3	48. 7	245. 4	80. 0
Minnesota	1, 044	870	6, 601	1, 822	2, 211	738	1, 032	45. 7	36. 4	271. 2	80. 0
Iowa	1, 066	1, 159	6, 902	1, 596	1, 946	555	1, 711	44. 3	48. 2	281. 7	79. 1
Missouri	1, 703	2, 220	8, 806	2, 779	2, 728	904	2, 412	50. 0	65. 4	256. 5	79. 3
North Dakota	247	145	1, 269	333	338	160	120	38. 2	22. 4	190. 0	50. 6
South Dakota	283	211	1, 297	424	377	94	171	44. 5	33. 1	199. 5	57. 7
Nebraska	553	405	2, 988	751	932	336	573	42. 7	31. 2	225. 8	70. 2
Kansas	916	1, 093	3, 402	707	1, 734	441	979	51. 8	61. 0	190. 1	66. 7
South Atlantic	5, 949	6, 694	28, 637	2, 444	17, 301	4, 241	6, 876	42. 5	47. 8	198. 1	118. 9
Delaware	46	139	518	50	318	153	277	20. 6	62. 3	226. 9	138. 6
Maryland	667	763	4, 719	773	1, 866	912	1, 398	45. 3	52. 6	316. 8	124. 6
Dist. of Col.	351	353	3, 993	—	473	350	313	80. 2	81. 8	898. 4	100. 5
Virginia	1, 042	1, 161	5, 129	644	2, 466	642	1, 211	46. 1	50. 3	216. 1	103. 4
West Virginia	632	647	2, 134	359	1, 072	481	702	43. 2	44. 2	139. 8	128. 2
North Carolina	1, 189	1, 230	3, 692	308	1, 798	544	1, 474	46. 5	48. 1	139. 3	65. 1
South Carolina	559	597	2, 414	123	1, 255	477	451	32. 0	35. 5	139. 8	72. 3
Georgia	1, 094	1, 336	4, 160	47	5, 622	403	872	37. 8	46. 1	139. 7	138. 4
Florida	396	463	1, 950	140	1, 591	349	207	40. 9	47. 8	190. 4	153. 7
East South Central	3, 745	4, 935	13, 450	921	9, 849	1, 465	4, 097	42. 1	55. 5	149. 1	108. 9
Kentucky	1, 255	1, 640	4, 708	531	2, 484	618	1, 457	51. 9	67. 9	192. 2	101. 1
Tennessee	1, 103	1, 429	3, 407	15	1, 080	272	1, 477	47. 2	61. 1	143. 3	83. 3
Alabama	817	1, 026	2, 718	—	3, 671	575	768	34. 8	43. 7	113. 1	148. 0
Mississippi	570	840	2, 617	75	1, 808	(³)	395	31. 3	40. 9	146. 2	101. 0
West South Central	3, 902	4, 258	14, 936	739	9, 344	1, 570	2, 075	39. 1	41. 6	140. 7	87. 4
Arkansas	740	919	2, 121	7	1, 555	205	578	42. 2	52. 4	118. 0	86. 0
Louisiana	866	725	3, 322	170	1, 940	134	174	45. 2	40. 3	181. 0	105. 3
Oklahoma	624	860	2, 895	330	1, 957	293	250	30. 8	42. 4	136. 3	91. 8
Texas	1, 672	1, 754	6, 598	232	3, 892	938	1, 073	35. 9	37. 6	155. 7	79. 4
Mountain	1, 211	1, 908	6, 471	731	3, 441	1, 144	1, 778	36. 3	57. 1	184. 0	96. 8
Montana	150	1, 438	91	405	182	324	27. 3	32. 8	242. 3	67. 2	
Idaho	124	131	609	253	337	271	193	23. 7	30. 3	132. 6	72. 5
Wyoming	36	30	426	123	358	59	62	18. 5	15. 4	205. 9	171. 0
Colorado	364	706	2, 147	259	1, 184	483	667	38. 7	75. 1	220. 0	120. 4
New Mexico	190	552	392	—	262	42	(⁴)	52. 7	153. 2	106. 3	70. 7
Arizona	92	101	554	—	422	92	206	27. 5	30. 2	150. 7	112. 8
Utah	236	165	700	—	284	(⁵)	188	52. 5	36. 7	149. 3	55. 8
Nevada	19	41	205	—	209	15	138	24. 5	53. 0	264. 8	270. 0
Pacific	2, 045	2, 356	18, 476	3, 147	7, 043	1, 387	6, 489	36. 7	42. 3	312. 1	117. 5
Washington	566	498	3, 315	803	1, 358	354	769	41. 7	36. 7	270. 2	95. 4
Oregon	344	355	2, 668	675	577	109	680	43. 9	45. 2	328. 4	70. 6
California	1, 135	1, 504	11, 995	1, 669	5, 108	860	5, 120	33. 1	43. 9	324. 4	136. 2

¹ Figures include 544 inmates of State prisons, for whom no schedules were received, not included in Tables 70, 73, and 74. Total also includes 4,664 prisoners in Federal prisons.

² In special institutions. ³ Not reported. ⁴ No almshouses maintained.

Source: Bureau of the Census, Department of Commerce.

DEAF-MUTE POPULATION

GENERAL NOTE.—The figures contained in this section can not be taken as an absolute index of conditions. The provisions for the care of these classes are so divergent in different States, and in the same State at different times, that the enumeration of persons in certain institutions may be far from reflecting the true differences or changes in the relative number of such persons in the population at large. Moreover, the methods of enumeration have been changed from time to time. The difficulty of formulating an adequate definition, the large element of personal judgment of the enumerator, and reluctance on the part of individuals to admit defects, all affect the accuracy of the data.

No. 56.—DEAF-MUTE POPULATION ENUMERATED: 1880 TO 1920

Division	Number on date of enumeration					Ratio per 100,000 population				
	1880 ¹	1890 ²	1900 ³	1910 ⁴	1920 ⁵	1880	1890	1900	1910	1920
United States.....	33, 878	40, 592	24, 369	44, 708	44, 885	87. 5	84. 8	82. 1	48. 6	42. 5
New England.....	2, 581	3, 389	1, 279	2, 373	3, 093	64. 4	72. 1	22. 9	36. 2	41. 8
Middle Atlantic.....	7, 368	7, 067	3, 074	8, 823	8, 361	70. 2	62. 7	28. 7	45. 7	37. 0
East North Central.....	8, 512	9, 837	5, 634	9, 810	10, 770	76. 0	73. 0	35. 2	53. 8	50. 2
West North Central.....	4, 151	6, 214	4, 082	6, 211	5, 812	67. 4	69. 6	30. 4	53. 4	42. 5
South Atlantic.....	4, 975	5, 597	3, 673	6, 260	5, 946	65. 5	63. 2	35. 2	51. 3	42. 5
East South Central.....	3, 682	3, 831	2, 695	4, 458	3, 745	65. 9	59. 0	35. 7	63. 0	42. 1
West South Central.....	1, 784	2, 473	2, 100	4, 298	3, 902	53. 5	52. 3	32. 1	48. 3	38. 1
Mountain.....	317	508	370	1, 027	1, 211	48. 5	41. 8	22. 1	30. 0	36. 3
Pacific.....	508	771	562	1, 448	2, 045	45. 6	40. 8	23. 3	34. 5	36. 7

¹ Deaf-mutes, exclusive of those reported as 18 years of age or over when hearing was lost.

² Deaf persons unable to speak at all.

³ Deaf persons unable to speak at all, for whom special schedules were returned.

⁴ Persons reported as deaf and dumb by the population enumerators.

⁵ Deaf-mutes reported by census enumerators and by schools, institutions, and organizations for the deaf.

No. 57.—DEAF-MUTES BY SEX, RACE, AND NATIVITY, 1920

Division	Total number enumerated	Number for whom special schedules were returned					
		Total	Male	Female	White		Colored
					Native	Foreign-born	
United States.....	44, 885	35, 028	19, 168	15, 860	30, 805	2, 622	1, 699
New England.....	3, 093	2, 655	1, 447	1, 208	2, 266	380	9
Middle Atlantic.....	8, 361	6, 952	3, 825	3, 127	6, 070	789	93
East North Central.....	10, 770	8, 874	4, 036	3, 036	7, 951	796	127
West North Central.....	5, 812	4, 038	2, 546	2, 092	4, 221	381	80
South Atlantic.....	5, 946	4, 102	2, 230	1, 872	3, 345	65	694
East South Central.....	3, 745	2, 605	1, 365	1, 240	2, 283	15	307
West South Central.....	3, 902	2, 680	1, 421	1, 259	2, 408	90	242
Mountain.....	1, 211	924	510	405	843	62	19
Pacific.....	2, 045	1, 506	877	719	1, 418	156	22

No. 58.—CAUSE OF DEAFNESS AND AGE AT WHICH HEARING WAS LOST: DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Cause of deafness	Total	Deaf at birth	Age at which hearing was lost				Age not reported
			Less than 5 years	5 to 9 years	Childhood (age not reported)	10 years or over	
All causes.....	35, 028	13, 513	16, 458	3, 518	621	250	668
Congenital.....	13, 513	13, 513					
Scarlet fever.....	3, 346		2, 457	790	40	33	26
Meningitis.....	3, 237		2, 457	715	11	36	18
Brain fever.....	1, 314		1, 068	215	9	8	14
Falls and blows.....	1, 177		992	142	12	12	19
Measles.....	1, 083		919	141	11	5	7
Typhoid fever.....	642		456	167	5	11	3
Whooping cough.....	636		571	40	16	2	1
Diseases of the ear.....	494		417	31	11	2	3
Abscesses in the head.....	446		403	26	4	2	11
All other and unknown.....	9, 165		6, 718	1, 243	502	139	566

Source: Bureau of the Census, Department of Commerce.

No. 59.—EDUCATION, ABILITY TO READ LIPS, AND MEANS OF COMMUNICATION OF DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Class	United States	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Deaf-mutes, 5 years of age and over.....	34,728	2,687	6,686	8,800	4,688	4,085	2,571	2,658	919	1,584
Having attended school, total.....	30,505	2,385	6,259	7,924	4,178	3,263	2,070	2,197	794	1,495
School for the deaf.....	29,807	2,327	6,164	7,780	4,066	3,170	2,010	2,147	773	1,471
School other than for the deaf.....	698	58	95	194	112	84	60	50	21	24
Not having attended school, total.....	3,917	224	589	823	402	775	472	441	117	74
Reporting instruction at home.....	163	11	28	33	7	26	23	25	5	5
Reporting no instruction.....	3,754	213	561	790	395	749	449	416	112	69
Not reporting as to education.....	244	28	48	53	18	27	29	18	8	15
Deaf-mutes, 10 years of age and over.....	31,230	2,349	6,132	7,928	4,245	3,665	2,279	2,405	821	1,411
Able to read lips.....	16,901	1,684	3,829	4,035	2,005	1,922	1,094	1,069	408	764
Not able to read lips.....	12,521	635	2,023	3,404	1,923	1,443	952	1,257	290	584
Not reporting as to ability to read lips.....	1,808	80	280	427	316	300	230	79	33	63
Means of communication:										
Speech and other means.....	12,286	1,360	3,006	2,963	1,422	1,252	599	693	373	618
Not speech but other means.....	17,434	915	2,894	4,632	2,657	2,032	1,519	1,600	410	799
None.....	606	31	95	132	87	105	66	56	15	10
Not reported.....	1,510	74	232	331	166	381	158	112	32	24

No. 60.—OCCUPATIONS OF DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Occupation	Total	Male				Female			
		All classes	White		Colored	All classes	White		Colored
			Native	Foreign born			Native	Foreign born	
Number, 10 years of age and over.....	31,230	17,176	14,958	1,456	762	14,054	12,270	1,100	684
Not gainfully employed.....	18,552	6,980	6,212	427	341	11,572	10,265	830	477
Receiving State or county aid.....	836	471	404	43	24	365	320	25	20
Gainfully employed.....	12,678	10,196	8,746	1,020	421	2,482	2,005	270	207
Occupation of those gainfully employed:									
Agriculture, forestry, etc.....	3,016	2,664	2,315	151	198	352	255	26	71
Farmers.....	2,183	1,958	1,732	113	113	225	176	18	31
Laborers.....	762	649	535	37	77	113	65	8	40
Extraction of minerals.....	64	64	56	7	1	-----	-----	-----	-----
Manufacturing, etc.....	7,269	6,180	5,284	757	139	1,089	921	141	27
Carpenters and cabinetmakers.....	438	438	374	58	6	-----	-----	-----	-----
Compositors.....	521	507	454	52	1	14	13	-----	1
Dressmakers and seamstresses.....	293	-----	-----	-----	-----	293	248	34	11
Laborers, building.....	782	755	612	88	55	27	19	2	6
Transportation and communication.....	143	139	116	12	11	4	-----	-----	-----
Trade.....	241	208	176	19	8	38	32	6	-----
Public service.....	45	41	36	4	1	4	4	-----	-----
Professional service.....	290	222	204	15	3	8	63	5	-----
Domestic and personal service.....	1,072	347	265	36	46	725	552	73	100
Miscellaneous occupations.....	235	182	165	16	1	53	51	2	-----
Unclassified.....	303	154	129	12	13	149	123	17	9

Source: Bureau of the Census, Department of Commerce.

No. 61.—BLIND POPULATION ENUMERATED: 1880 TO 1920

Division	Number on date of enumeration					Ratio per 100,000 population				
	1880	1890	1900	1910	1920	1880	1890	1900	1910	1920
United States.....	48,828	60,588	84,768	67,272	52,567	97.6	80.8	85.2	82.3	49.7
New England.....	4,341	4,367	4,846	4,090	4,609	108.2	92.9	86.7	62.4	63.5
Middle Atlantic.....	9,726	9,154	10,931	10,001	9,374	92.7	72.1	70.7	51.8	42.1
East North Central.....	10,177	11,229	14,666	11,731	12,234	90.8	83.4	91.7	64.3	57.0
West North Central.....	5,047	6,319	8,714	6,679	6,111	82.0	71.1	84.2	57.4	48.7
South Atlantic.....	8,394	7,867	9,169	8,279	6,694	110.5	88.8	87.7	67.9	47.8
East South Central.....	6,612	6,190	8,221	7,019	4,635	118.4	96.3	108.9	83.5	65.5
West South Central.....	3,192	3,640	5,264	5,621	4,258	95.7	80.1	80.6	64.0	41.6
Mountain.....	661	762	1,307	1,787	1,806	101.2	65.9	78.0	67.9	57.1
Pacific.....	778	1,040	1,655	2,065	2,355	89.8	65.6	68.5	49.3	42.3

No. 62.—TOTAL BLIND ENUMERATED AND SEX, RACE, AND NATIVITY OF THOSE FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Division	Total number enumerated	Number for whom special schedules were returned					
		Total	Male	Female	White		Colored
					Native	Foreign born	
United States.....	52,567	40,913	23,977	16,836	30,913	6,327	4,273
New England.....	4,609	4,184	2,311	1,873	3,004	1,104	76
Middle Atlantic.....	9,374	7,807	4,430	3,377	5,824	1,086	297
East North Central.....	12,234	10,253	5,624	4,329	8,012	1,785	456
West North Central.....	6,111	4,881	2,905	1,976	3,786	328	267
South Atlantic.....	6,694	4,694	2,778	1,916	3,000	122	1,472
East South Central.....	4,635	3,371	2,062	1,309	2,427	49	895
West South Central.....	4,258	2,716	1,611	1,105	1,660	115	611
Mountain.....	1,906	1,400	887	513	1,067	229	104
Pacific.....	2,355	1,707	1,069	638	1,203	409	95

No. 63.—CAUSE OF BLINDNESS AND AGE AT WHICH VISION WAS LOST: BLIND PERSONS FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Cause of blindness	Total	Blind at birth	Age at which vision was lost						Age not reported
			Less than 5 years	5 to 9 years	10 to 19 years	20 to 44 years	45 to 64 years	65 years or over	
All causes.....	40,913	3,978	4,362	2,478	3,269	8,445	8,713	7,853	1,825
Congenital.....	2,635	2,635							
Ophthalmia neonatorum.....	1,198	228	825	10	11	3			121
Meningitis.....	526	1	203	151	97	46	9	2	17
Scarlet fever.....	416	1	159	111	66	49	13	6	11
Measles.....	787	2	197	134	136	171	83	47	27
Trachoma.....	555	3	37	43	90	164	130	53	35
Atrophy of the nerve.....	1,756	112	79	80	120	577	514	227	47
Accidental injury.....	5,913	25	340	655	923	2,181	1,156	482	151
Disease of the retina.....	497	13	25	13	38	134	159	97	18
Glaucoma.....	1,932	14	27	11	54	260	898	621	48
Cataract.....	4,806	400	181	100	147	449	1,169	2,274	176
All other and unknown.....	19,792	544	2,289	1,170	1,677	4,412	4,682	4,044	1,174

Source: Bureau of the Census, Department of Commerce.

No. 64.—EDUCATION AND ABILITY TO READ RAISED TYPE, OF BLIND 5 YEARS OF AGE AND OVER, FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Class	Age on date of enumeration								
	Total, 5 years and over	5 to 9 years	10 to 14 years	15 to 19 years	20 to 24 years	25 to 44 years	45 to 64 years	65 years or over	Not reported
All classes.....	40,688	1,067	2,044	2,074	1,677	7,119	10,913	15,384	425
Having attended school, total	20,432	654	1,767	1,838	1,433	4,920	5,230	4,390	200
School for the blind.....	12,647	630	1,688	1,739	1,296	3,099	2,610	838	138
School other than for the blind.....	7,785	24	79	99	137	1,221	2,611	3,552	62
Not having attended school, total	19,854	356	248	226	232	2,171	5,622	10,802	197
Reporting instruction at home.....	1,240	12	22	16	23	237	503	431	5
Reporting no instruction.....	18,605	344	226	210	209	1,934	5,119	10,371	192
Not reporting as to education.....	407	47	20	10	12	28	61	192	28
Reading raised type.....	11,934	460	1,421	1,503	1,162	3,513	2,660	1,121	104
Not reading raised type.....	27,804	488	481	420	449	3,536	8,143	13,900	283
Not reporting as to ability to read raised type.....	955	109	142	151	76	70	105	264	38

Source: Bureau of the Census, Department of Commerce.

No. 65.—OCCUPATIONS OF BLIND PERSONS FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Occupation	Total	Male				Female			
		All classes	White		Colored	All classes	White		Colored
			Native	Foreign born			Native	Foreign born	
Number 10 years of age and over.....	39,636	23,251	16,782	3,873	2,696	16,385	12,355	2,443	1,567
Not gainfully employed.....	32,450	17,344	12,292	3,066	1,986	15,115	11,310	2,321	1,484
Receiving State or county aid.....	7,741	4,916	3,588	804	524	2,825	2,219	383	232
Gainfully employed.....	7,177	5,907	4,490	807	610	1,270	1,045	122	103
Occupation of those gainfully employed:									
Agriculture, etc.....	948	864	601	103	70	84	68	8	8
Farmers.....	714	660	518	86	56	54	41	8	5
Extraction of minerals.....	12	12	9	1	2				
Manufacturing, etc.....	3,060	2,470	1,850	384	236	620	519	64	37
Broom makers.....	837	825	629	148	48	12	9	3	
Piano tuners.....	449	447	418	29		2	2		
Chair caners.....	476	381	242	68	71	95	75	7	13
Seamstresses and fancy workers.....	259					259	225	21	13
Transportation and communication.....	110	92	82	5	5	18	17	1	
Trade.....	1,264	1,230	951	184	95	24	27	3	4
Hucksters and peddlers.....	320	311	228	67	26	9	8		1
Public service.....	34	28	23	4	1	6	6		
Professional service.....	1,005	751	564	74	113	264	215	25	14
Musicians and teachers.....	506	387	302	37	48	119	102	7	10
Domestic and personal service.....	393	225	180	29	66	168	112	17	39
Clerical occupations.....	281	207	173	18	16	74	70	3	1
Unclassified.....	40	28	17	5	6	12	11	1	

Source: Bureau of the Census, Department of Commerce.

No. 66.—PAUPERS ENUMERATED IN ALMSHOUSES: 1880 TO 1923

Division	Number on date of enumeration ¹					Ratio per 100,000 of population				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
United States.....	66,203	73,044	81,764	84,198	78,090	192.0	116.6	100.0	91.5	71.5
New England.....	9,835	9,500	11,495	11,886	9,639	245.2	202.1	193.5	181.4	125.1
Middle Atlantic.....	24,098	21,643	21,783	23,772	18,564	229.6	170.4	129.2	123.1	80.6
East North Central.....	16,474	20,279	21,127	21,358	21,405	147.0	160.5	125.7	117.0	96.0
West North Central.....	3,337	5,356	6,618	6,366	7,298	54.2	60.0	61.2	54.7	57.1
South Atlantic.....	6,075	8,100	8,298	7,705	6,875	91.8	91.4	74.9	63.2	47.6
East South Central.....	3,301	4,240	4,768	4,268	4,097	60.2	66.0	60.7	50.7	45.4
West South Central.....	315	809	1,689	1,630	2,075	9.4	17.8	23.0	18.0	19.5
Mountain.....	152	367	1,283	1,652	1,778	23.3	31.7	63.4	62.7	50.6
Pacific.....	1,656	2,770	4,703	5,562	6,460	148.0	148.0	153.6	132.7	109.3

¹ June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.

Source: Bureau of the Census, Department of Commerce.

No. 67.—PAUPERS ENUMERATED IN ALMSHOUSES: BY AGE GROUPS

Age group	Number enumerated					Per cent distribution				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
All ages.....	66,203	73,044	81,764	84,198	78,090	100.0	100.0	100.0	100.0	100.0
Under 15 years.....	8,885	5,627	2,755	2,370	1,896	13.4	7.7	3.4	2.8	2.4
15 to 24 years.....	4,996	4,382	3,240	2,514	1,659	7.5	6.0	4.0	3.0	2.1
25 to 44 years.....	17,009	17,077	13,573	11,994	7,427	26.6	23.4	16.6	14.2	9.5
45 to 59 years.....	12,807	15,037	18,610	20,613	15,194	19.3	20.6	23.0	24.5	19.3
60 to 74 years.....	14,807	18,865	26,803	30,189	32,371	21.6	25.8	32.3	36.9	41.5
75 years and over.....	7,599	10,714	15,034	15,848	18,763	11.5	14.7	18.4	18.3	24.0
Age unknown.....		1,342	1,640	676	870		1.8	1.9	.8	1.1

Source: Bureau of the Census, Department of Commerce.

No. 68.—PAUPERS ADMITTED TO ALMSHOUSES, AND DEPARTURES AND DEATHS, DURING 1922

Division	Number admitted							Number departed	
	Total	Male	Female	Whites			Negro	Discharges and transfers	Deaths
				Native	Foreign born	Nativity unknown			
United States.....	68,807	46,670	17,137	37,788	17,988	1,747	5,949	44,066	15,772
New England.....	10,036	6,918	3,118	5,971	3,600	200	256	8,009	2,035
Middle Atlantic.....	14,250	10,466	3,784	8,294	4,850	382	693	11,094	3,287
East North Central.....	16,604	11,985	3,619	9,224	4,761	410	1,182	10,393	4,159
West North Central.....	4,137	3,161	976	2,760	974	184	213	2,535	1,072
South Atlantic.....	6,396	4,067	2,329	3,289	413	188	2,493	3,061	1,787
East South Central.....	2,128	1,318	810	1,403	30	20	663	1,119	775
West South Central.....	1,723	1,190	533	1,140	103	66	316	847	401
Mountain.....	2,375	1,743	632	1,520	666	90	37	1,557	541
Pacific.....	7,158	5,822	1,336	4,179	2,492	189	90	4,851	1,715

¹ Figures for other colored races amounting to 335 in all, insignificant except in Pacific division.

Source: Bureau of the Census, Department of Commerce.

No. 69.—MENTAL PATIENTS, FEEBLE-MINDED AND EPILEPTICS IN STATE INSTITUTIONS AND PRISONERS IN STATE AND FEDERAL PRISONS AND REFORMATORIES: 1904 TO 1928

Year	State hospitals for mental disease ¹				State institutions for feeble-minded and epileptics ²				Prisons and reformatories ³			
	First admissions		Patients present on a given date ⁴		First admissions		Patients present on a given date ⁴		Prisoners received from the courts during the year		Prisoners present on a given date ⁴	
	Number	Per 100,000 population ⁵	Number	Per 100,000 population ⁵	Number	Per 100,000 population ⁵	Number	Per 100,000 population ⁵	Number	Per 100,000 population ⁵	Number	Per 100,000 population ⁵
1904			129,222	158.0					27,740	33.6 ⁶	57,070	69.1
1910			159,006	176.2			17,411	18.0	29,710	32.3	68,735	74.7
1922	50,286	46.2	222,406	205.8	7,467	6.9	43,579	39.9				
1923			229,664	209.4			46,580	42.1	38,628	34.6	81,959	74.0
1926	62,703	46.0	246,486	216.3	8,171	7.0	55,201	47.8	47,114	41.7	90,394	80.7
1927	56,298	47.4	256,858	217.9	8,353	7.3	58,307	49.5	48,516	44.6	96,365	85.0
1928			264,519	221.7			60,400	52.2			98,724	90.4

¹ Includes two Federal hospitals—St. Elizabeths, District of Columbia, and Asylum for Insane Indians, South Dakota.

² Includes one Federal institution, the District of Columbia Training School.

³ Includes Federal civil prisons and State penal institutions used entirely or chiefly for adult offenders convicted of felonies.

⁴ June 30, 1904, and, in general, Jan. 1 of other years, but data for a few hospitals relate to other dates.

⁵ Based on enumerated population Apr. 15, 1910, and estimated population July 1 of other years.

⁶ Based on enumerated population Apr. 15, 1910, and estimated population Jan. 1 of other years.

⁷ Figure represents "major offenders," but is substantially comparable to other figures here given.

⁸ Exclusive of prisoners committed for nonpayment of fine.

⁹ Does not include seven special State institutions for epileptics, included for later enumerations.

No. 70.—STATE HOSPITALS FOR MENTAL DISEASE: FIRST ADMISSIONS DURING 1922, 1926, AND 1927, BY PSYCHOSIS¹

Psychosis	Number			Per 100,000 population		
	1922 ²	1926	1927	1922	1926	1927
Grand total	52,472	52,798	56,288	47.7	45.1	47.4
With psychosis, total	49,116	50,090	53,589	44.7	42.8	45.2
Traumatic	130	234	221	.1	.2	.2
Senile	5,101	5,506	5,592	4.6	4.7	4.7
With cerebral arteriosclerosis	3,045	4,201	4,820	2.8	3.6	4.1
General paralysis	4,977	4,652	5,024	4.5	4.0	4.2
With cerebral syphilis	589	723	839	.5	.6	.7
With Huntington's chorea	36	97	97	.1	.1	.1
With brain tumor	38	38	38	(³)	(³)	(³)
With other brain or nervous diseases	456	603	700	.4	.5	.6
Alcoholic	1,819	2,250	2,650	1.7	1.9	2.2
Due to drugs and other exogenous toxins	355	280	364	.3	.2	.3
With pellagra	339	514	789	.3	.4	.7
With other somatic diseases	1,285	1,887	1,618	1.2	1.2	1.4
Maniac-depressive	8,095	7,744	7,828	7.4	6.6	6.6
Involution melancholia	1,083	1,111	1,115	1.0	.9	.9
Dementia praecox (schizophrenia)	11,887	11,799	12,441	10.8	10.1	10.5
Paranoia or paranoid conditions	1,266	639	905	1.2	.8	.8
Epileptic psychoses	1,513	1,474	1,600	1.4	1.3	1.3
Psychoneuroses and neuroses	1,063	862	1,043	1.0	.7	.9
With psychopathic personality	764	640	721	.7	.5	.6
With mental deficiency	1,615	1,703	2,061	1.5	1.5	1.7
Undiagnosed psychoses	3,142	1,720	1,781	2.9	1.5	1.5
Psychoses not reported	462	1,623	1,270	.4	1.4	1.1
Without psychosis, total	3,356	2,708	2,699	3.1	2.3	2.3
Epilepsy	(⁴)	111	82		.1	.1
Alcoholism	(⁴)	303	504		.3	.5
Drug addiction	(⁴)	427	601		.4	.4
Psychopathic personality	(⁴)	210	130		.2	.1
Mental deficiency	(⁴)	798	594		.7	.5
Others without psychosis	(⁴)	764	928		.7	.8

¹ Includes two Federal hospitals—St. Elizabeths, District of Columbia, and Asylum for Insane Indians, South Dakota.

² Figures include 2,186 admissions to three State psychopathic hospitals in Iowa, Massachusetts, and Michigan, which were not separately tabulated by psychosis.

³ Less than one-tenth of 1 per 100,000.

⁴ Separate figures not available.

Source of Tables 69 and 70: Bureau of the Census, Department of Commerce.

72 MENTAL PATIENTS, FEEBLE-MINDED, AND EPILEPTICS

No. 71.—PATIENTS IN HOSPITALS FOR MENTAL DISEASE: 1880 to 1923

Division	Number on date of enumeration ¹					Ratio per 100,000 of population				
	1880 ²	1890 ²	1904	1910	1923	1880	1890	1904	1910	1923
United States.....	40,942	74,028	150,161	187,791	287,617	61.6	118.2	183.6	204.2	245.0
New England.....	5,294	7,693	14,855	19,580	26,876	132.0	163.7	250.1	298.8	352.7
Middle Atlantic.....	12,710	21,435	42,562	52,380	70,635	121.1	168.8	252.5	271.2	306.4
East North Central.....	8,966	15,674	33,030	41,246	59,881	80.0	116.3	196.6	226.0	265.0
West North Central.....	3,493	8,641	18,595	22,683	31,856	58.7	97.2	171.9	194.9	245.4
South Atlantic.....	4,690	9,007	16,514	19,923	28,637	61.3	101.7	149.1	165.6	198.1
East South Central.....	2,549	4,493	7,867	9,759	13,450	45.6	69.9	100.1	116.0	149.1
West South Central.....	800	2,043	6,010	8,413	14,936	24.0	45.0	81.8	95.8	140.7
Mountain.....	107	858	2,529	3,574	6,471	16.4	74.2	125.0	135.7	184.0
Pacific.....	2,363	4,184	8,150	10,204	18,476	212.0	223.6	267.2	243.4	312.1

¹ June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.
² Total number of insane enumerated, including those not in hospitals in 1880 and 1890, was 91,959 and 106,485, respectively.
³ Includes patients of 1 State and 11 private hospitals for whom individual schedules were not received.

No. 72.—PATIENTS IN HOSPITALS FOR MENTAL DISEASE: By AGE GROUPS

Age group	Number enumerated				Per cent distribution			
	1880	1904	1910	1923	1880	1904	1910	1923
All ages.....	74,028	150,161	187,791	265,829	100.0	100.0	100.0	100.0
Under 15 years.....	51	112	341	634	0.1	0.1	0.2	0.2
15 to 24 years.....	4,621	8,625	10,113	14,110	6.2	5.7	5.4	5.3
25 to 44 years.....	30,340	66,719	79,351	109,767	49.1	44.4	42.3	41.3
45 to 69 years.....	21,727	45,855	60,142	82,240	29.3	30.5	32.0	30.9
60 to 74 years.....	8,402	21,111	28,537	45,429	11.3	14.1	15.2	17.1
75 years and over.....	1,351	4,217	6,073	9,759	1.8	2.8	3.2	3.7
Age unknown.....	1,530	3,512	3,234	3,900	2.1	2.3	1.7	1.5

No. 73.—PATIENTS ADMITTED TO HOSPITALS FOR MENTAL DISEASE DURING 1922: By PSYCHOSIS

Psychosis	All classes		Male	Female	White			Colored
	Number	Per cent distribution			Native	Foreign-born	Nativity unknown	
All clinical groups.....	71,676	100.0	41,714	29,962	45,824	15,411	4,285	6,176
Senile.....	6,845	9.5	3,563	3,282	3,952	1,883	518	492
With cerebral arteriosclerosis.....	3,438	4.8	2,283	1,205	2,028	985	226	200
General paralysis.....	6,264	8.8	5,076	1,218	3,720	1,427	438	709
With cerebral syphilis.....	803	1.2	637	256	467	127	59	240
Alcoholic.....	2,693	3.8	2,427	266	1,464	881	235	113
Maniac-depressive.....	11,393	15.9	4,880	6,513	7,276	2,374	610	1,133
<i>Involition melancholia</i>	1,803	2.5	560	1,243	1,252	420	95	36
Dementia præcox (schizophrenia).....	15,526	21.7	3,960	6,576	9,875	3,651	609	1,391
Paranoia or paranoid conditions.....	1,881	2.6	873	1,008	1,213	485	85	98
Epileptic.....	1,613	2.5	1,121	692	1,279	205	74	255
Psychoneuroses and neuroses.....	2,777	3.9	1,658	1,119	2,145	457	119	56
With psychopathic personality.....	914	1.3	585	320	688	152	23	51
With mental deficiency.....	1,899	2.6	1,076	823	1,438	210	76	175
All other and unknown.....	13,507	18.8	8,075	5,432	9,027	2,164	1,099	1,227

Source: Bureau of the Census, Department of Commerce.

No. 74.—STATE HOSPITALS FOR MENTAL DISEASE AND STATE INSTITUTIONS FOR FEEBLE-MINDED AND EPILEPTICS: FIRST ADMISSIONS DURING THE YEAR AND NUMBER PRESENT, BY STATES

Division and State	Hospitals for mental disease				Institutions for the feeble-minded and epileptics							
	First admissions during the year			Patients present at beginning of year	First admissions during the year			Patients present at beginning of year				
	Number		Per 100,000 population 1927 ¹		Number		Per 100,000 population 1927 ¹					
	1922	1926 ²		1927	1922	1926 ²		1927 ²				
United States..	50,289	52,798	56,288	47	229,684	264,519	7,467	8,171	8,358	7	48,580	60,419
New England.....	5,013	5,100	4,886	60	25,167	28,268	755	795	830	10	8,033	7,771
Maine.....	339	371	404	51	1,838	1,960	104	71	43	5	467	683
New Hampshire.....	306	375	307	68	1,309	1,575	38	50	41	9	393	434
Vermont.....	164	160	152	43	784	838	55	22	19	5	179	235
Massachusetts.....	2,040	2,802	2,740	65	15,285	17,217	483	500	521	12	4,062	5,270
Rhode Island.....	340	391	376	53	1,486	1,702	36	72	62	9	377	489
Connecticut.....	918	950	907	55	4,870	4,910	30	80	144	9	555	710
Middle Atlantic.....	10,090	11,091	11,970	48	55,145	68,461	2,011	1,789	2,052	8	12,866	15,343
New York.....	7,218	7,711	8,473	74	39,510	45,131	1,424	1,002	1,322	12	7,239	9,158
New Jersey.....	1,317	1,288	1,402	37	5,090	6,002	277	300	291	8	1,777	2,490
Pennsylvania.....	1,525	2,092	2,101	22	10,545	12,328	310	347	439	5	3,372	3,695
East North Central.....	10,943	11,181	11,397	48	48,044	51,346	2,084	2,760	2,470	10	12,714	17,451
Ohio.....	2,708	3,215	3,300	49	12,811	14,300	520	957	896	13	4,229	5,723
Indiana.....	955	1,231	1,007	32	5,780	6,340	226	238	298	10	1,945	2,541
Illinois.....	5,053	4,353	4,658	64	18,704	20,904	423	743	699	10	2,625	4,190
Michigan.....	1,236	1,313	1,288	20	7,392	7,937	650	533	385	9	2,688	3,431
Wisconsin.....	991	1,069	1,144	30	1,297	1,805	236	203	192	7	1,227	1,566
West North Central.....	4,988	5,124	5,295	40	25,573	28,670	825	927	927	10	7,221	7,881
Minnesota.....	1,205	1,300	1,280	48	6,632	7,410	197	200	263	10	1,657	2,033
Iowa.....	939	920	970	40	5,002	5,420	239	243	249	10	1,664	2,307
Missouri.....	1,189	1,182	1,293	37	5,242	5,857	37	62	(³)	(³)	(³)	(³)
North Dakota.....	242	236	236	37	1,200	1,444	31	104	59	9	358	520
South Dakota.....	168	201	202	29	1,207	1,806	79	47	50	7	424	424
Nebraska.....	571	599	639	46	2,026	3,352	91	85	60	4	751	851
Kansas.....	632	677	678	37	3,295	3,821	131	186	145	8	1,300	1,414
South Atlantic.....	6,493	7,168	7,647	49	20,780	31,964	668	670	779	5	2,698	3,849
Delaware.....	90	103	120	53	518	679	24	11	32	13	50	115
Maryland.....	628	640	680	43	3,297	3,863	68	54	62	4	755	760
Dist. of Columbia.....	888	941	902	93	3,931	3,780	(⁴)	7	49	9	(⁴)	107
Virginia.....	1,360	1,259	1,332	52	5,012	5,889	75	115	113	4	633	798
West Virginia.....	687	725	701	41	2,134	2,510	119	153	85	5	547	735
North Carolina.....	851	1,162	1,373	47	3,575	4,899	207	150	193	7	501	895
South Carolina.....	643	601	823	45	2,400	2,709	23	39	101	6	123	437
Georgia.....	652	953	955	30	3,972	4,936	9	18	29	1	44	91
Florida.....	688	1,024	1,136	83	1,950	2,799	133	123	115	8	140	311
East South Central.....	3,529	3,810	4,172	45	12,638	14,665	35	142	168	2	497	1,245
Kentucky.....	1,169	1,161	1,269	48	4,635	4,673	22	29	26	1	425	456
Tennessee.....	811	744	926	37	2,746	5,282	(⁵)	65	124	5	(⁵)	359
Alabama.....	627	897	981	39	2,718	3,420	(⁵)	34	23	1	(⁵)	287
Mississippi.....	922	1,008	1,056	59	2,537	2,990	13	14	15	1	72	133
West South Central.....	3,330	4,467	4,877	38	14,321	18,081	331	388	399	3	1,297	2,127
Arkansas.....	731	(⁶)	1,137	59	1,990	2,670	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)
Louisiana.....	547	592	624	32	3,022	3,673	99	54	39	2	130	256
Oklahoma.....	695	1,078	1,126	47	2,873	3,794	54	72	63	3	330	549
Texas.....	1,357	1,815	1,580	20	6,436	7,935	178	257	297	6	837	1,322
Mountain.....	1,447	1,586	1,686	40	6,221	7,211	156	134	134	3	734	1,163
Montana.....	817	311	293	41	1,438	1,472	14	(⁷)	56	8	91	360
Idaho.....	144	111	131	25	609	653	58	24	22	4	253	301
Wyoming.....	61	52	64	22	309	394	36	17	18	8	125	169
Colorado.....	399	377	437	45	2,017	2,435	48	39	38	4	255	333
New Mexico.....	92	(⁸)	149	38	392	520	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Arizona.....	209	169	181	39	554	704	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Utah.....	183	173	241	46	697	809	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Nevada.....	42	64	60	78	205	224	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Pacific.....	4,471	4,561	4,847	70	17,678	20,780	632	686	679	10	3,013	3,921
Washington.....	871	927	907	58	3,765	4,251	165	140	131	8	803	938
Oregon.....	709	686	765	80	2,406	3,191	102	131	76	9	675	814
California.....	2,891	2,948	3,175	72	11,507	13,318	305	305	472	11	1,536	2,169
Federal Hospital for Indians.....	14	7	6		90	93						

¹ Based on estimated population as of July 1. ² No census report received.
³ Total excludes data for States for which no census reports were received. ⁴ No separate institution in operation.
⁵ Figure incomplete.

Source: Bureau of the Census, Department of Commerce.

No. 75.—PRISONERS IN ALL PENAL INSTITUTIONS: 1880 TO 1923

Division	Number on date of enumeration ¹				Ratio per 100,000 of population			
	1880	1904	1910	1923	1880	1904	1910	1923
United States.....	49,527	81,772	99,199	104,067	98.7	99.0	107.9	94.6
New England.....	4,770	8,599	9,698	5,746	118.9	143.6	148.0	75.0
Middle Atlantic.....	13,815	18,790	22,165	20,150	131.6	110.2	114.8	87.0
East North Central.....	7,769	12,042	13,476	19,281	69.3	71.2	73.8	85.8
West North Central.....	3,768	7,828	8,216	9,823	61.2	71.9	70.6	76.6
South Atlantic.....	6,895	10,740	14,915	15,703	90.8	96.2	122.3	108.0
East South Central.....	5,197	7,524	10,384	9,648	93.1	95.2	123.5	106.7
West South Central.....	4,192	7,090	8,419	8,935	125.7	95.0	95.8	63.6
Mountain.....	743	2,954	4,171	3,322	173.8	142.6	158.4	93.5
Pacific.....	2,378	4,564	5,851	6,795	213.4	144.8	139.6	113.4

¹ June 1, 1880; June 30, 1904; Jan. 1, 1910 and 1923. Includes only sentenced prisoners, exclusive of those imprisoned for nonpayment of fine.

² Including prisoners in Federal prisons, as follows: 1,641 in 1904; 1,904 in 1910; and 4,664 in 1923.

No. 76.—PRISONERS ENUMERATED IN ALL PENAL INSTITUTIONS JANUARY 1, 1923, AND COMMITMENTS DURING THE YEAR: BY CLASSES

NOTE.—See Tables 69 and 80, for prisoners in prisons and reformatories, 1927 and earlier years

Class	Number present Jan. 1	Commitments during 1923		Age group	Number present Jan. 1	Commitments during 1923	
		Number ¹	Per 100,000 population of same class			Number ¹	Per 100,000 population of same group
All classes.....	109,075	367,493	325.1	Under 18 years.....	2,230	7,195	126.5
Male.....	103,883	328,620	610.1	18 to 20 years.....	11,739	31,086	562.9
Female.....	5,192	28,873	55.3	21 to 24 years.....	21,489	52,706	703.9
White, total.....	73,549	266,887	281.4	25 to 34 years.....	37,336	100,007	832.9
Native.....	58,238	194,179	239.4	35 to 44 years.....	20,537	80,829	572.4
Foreign born.....	15,061	66,990	488.5	45 to 64 years.....	13,183	60,838	357.2
Nativity unknown.....	260	5,688		65 years and over.....	1,284	4,931	100.0
Negro.....	34,173	33,399	797.1	Age unknown.....	1,277	19,841	
Other and unknown.....	1,348	7,237	666.0				

¹ Estimate based on reported commitments during first six months.

² Figures for prisoners and population 18 years of age and over afford a more accurate basis of comparison between the native and the foreign born white; on this basis ratios are 404.1 and 517.5 respectively.

No. 77.—PRISONERS AND JUVENILE DELINQUENTS ENUMERATED JANUARY 1, 1923, AND COMMITMENTS DURING THE YEAR

Division	Number present Jan. 1			Commitments during 1923 ¹					
	Prisoners in—		Juvenile delinquents in institutions ⁴	Prisoners to—		Juveniles to institutions ⁴	Under 10 years of age	10 to 17 years of age	
	Prisons and reformatories ^{2,3}	Jails and workhouses ³		Prisons and reformatories ²	Jails and workhouses ³			Number	Per 100,000 of same age
United States.....	81,479	28,140	99,468	87,585	319,908	25,908	344	25,565	156.5
New England.....	3,627	2,421	2,718	1,610	18,919	2,352	40	2,312	229.8
Middle Atlantic.....	12,626	8,180	7,104	4,747	76,228	6,000	168	5,832	185.7
East North Central.....	15,751	5,308	5,434	7,537	70,351	5,145	12	5,133	168.9
West North Central.....	8,566	1,698	3,866	4,024	26,799	2,227	22	2,205	113.5
South Atlantic.....	11,382	5,919	4,751	4,010	46,748	4,539	52	4,487	180.8
East South Central.....	8,498	1,351	1,643	2,961	15,667	1,464	12	1,452	102.8
West South Central.....	8,379	965	1,820	4,730	20,866	2,093	8	2,085	110.8
Mountain.....	2,933	508	1,202	1,651	11,061	866	8	846	195.9
Pacific.....	5,253	1,790	1,424	2,582	87,279	1,203	10	1,193	173.8

¹ See footnote 1, Table 76.

² See footnote 1, Table 55.

³ "Jails and workhouses" includes data for houses of correction in Rhode Island and Maryland included with "Prisons and reformatories" in Tables 69 and 80.

⁴ Including those in special institutions and prisoners under 18 years of age in penal institutions not primarily for juvenile delinquents. See Table 76.

⁵ Including those in United States penitentiaries.

⁶ Including 3,703 committed to Federal prisons.

Source: Bureau of the Census, Department of Commerce.

No. 78.—PRISONERS ENUMERATED AND COMMITMENTS: BY PRINCIPAL OFFENSES

Offense	Number				Per cent distribution				Commitments per 100,000 population	
	Present Jan. 1		Commitments		Present Jan. 1		Commitments		1910	1923
	1910	1923	1910	1923 ¹	1910	1923	1910	1923		
Total.....	111,498	109,075	479,787	357,493	100.0	100.0	100.0	100.0	521.7	325.1
Drunkenness.....	8,585	2,728	170,941	91,367	7.7	2.5	35.6	25.6	136.9	83.1
Disorderly conduct.....	5,119	2,434	91,847	53,359	4.6	2.2	19.1	14.9	99.0	43.5
Violating liquor laws.....	2,148	5,901	7,713	39,340	1.9	5.4	1.6	11.0	8.4	35.8
Vagrancy.....	6,004	2,487	49,670	28,030	5.4	2.3	10.4	7.8	54.0	25.5
Larceny.....	21,397	17,462	39,338	27,141	19.2	15.0	8.2	7.6	42.8	24.7
Assault.....	9,719	5,891	22,599	12,606	8.7	5.4	4.7	3.5	24.5	11.5
Violating traffic laws.....	(²)	282	(²)	11,493	(²)	.3	(²)	3.2	(²)	10.5
Violating city ordinances.....	305	165	5,098	10,110	.3	.2	1.1	2.8	6.5	9.2
Burglary.....	10,263	16,580	8,105	8,574	14.6	15.2	1.7	2.4	8.8	7.8
Violating drug laws.....	123	3,545	314	7,193	.1	3.3	.1	2.0	.3	6.5
Carrying concealed weapons.....	1,239	1,338	6,460	5,642	1.1	1.2	1.3	1.6	7.0	5.1
Fornication and prostitution.....	825	940	6,029	5,114	.7	.9	1.3	1.4	6.0	4.7
Fraud.....	1,481	1,125	8,924	4,766	1.3	1.0	1.9	1.3	9.7	4.3
Forgery.....	3,145	4,759	2,063	4,093	2.8	4.4	.4	1.1	2.2	3.7
Homicide.....	14,257	15,941	2,876	3,906	12.8	14.6	.6	1.1	3.1	3.6
Gambling.....	734	92	6,893	4,035	.7	.1	1.4	1.1	7.5	3.7
Robbery.....	4,729	9,269	1,667	3,584	4.2	8.5	.3	1.0	1.8	3.3
Malicious mischief and trespassing.....	478	241	9,997	3,793	.4	.2	2.1	1.0	10.9	3.4
Nonsupport or neglect of family.....	626	859	2,733	3,660	.6	.8	.0	1.0	3.0	3.3
Rape.....	4,495	4,652	1,406	2,149	4.0	4.3	.3	.6	1.5	2.0
All other classified offenses.....	8,212	9,119	24,399	17,198	7.4	8.4	5.1	4.8	26.5	15.6
Unclassified and unknown.....	1,639	3,265	10,755	10,519	1.5	3.0	2.2	2.9	11.7	9.6

¹ Enumerated for the period Jan. 1 to June 30; estimated for the rest of the year.

² Not separately shown in 1910. Commitments for this offense were included under "Violating city ordinances."

No. 79.—PRISONERS ENUMERATED AND COMMITMENTS: BY NATURE AND LENGTH OF SENTENCE

Sentence	Number				Per cent distribution			
	Present Jan. 1		Commitments		Present Jan. 1		Commitments	
	1910	1923	1910	1923 ¹	1910	1923	1910	1923
Total.....	111,498	109,075	479,787	357,493	100.0	100.0	100.0	100.0
Death.....	143	92	130	116	.1	.1	(²)	(²)
Imprisonment for—								
Life.....	6,444	7,548	783	914	5.8	6.9	.2	.3
Definite term.....	71,112	51,003	182,641	156,185	63.8	46.8	38.1	43.7
1 year or more.....	47,704	37,325	21,357	24,526	42.8	34.2	4.5	6.0
Less than 1 year.....	23,408	13,678	161,284	131,659	21.0	12.5	33.6	36.8
Indeterminate period.....	21,083	43,705	15,005	23,312	18.9	40.1	3.1	6.5
Minority.....	134	126	50	59	.1	.1	(²)	(²)
Nonpayment of fine.....	12,299	5,552	278,914	169,333	11.0	5.1	58.1	47.4
Nature and length of sentence unknown.....	283	1,049	2,264	7,574	.3	1.0	.5	2.1

¹ Enumerated for the period Jan. 1 to June 30; estimated for the rest of the year.

² Less than one-tenth of 1 per cent.

Source: Bureau of the Census, Department of Commerce.

No. 80.—STATE AND FEDERAL PRISONS AND REFORMATORIES: ADMISSIONS DURING THE YEAR AND NUMBER PRESENT ON JANUARY 1, BY STATES

Division and State	Prisoners received from courts during the year						Prisoners present on Jan. 1					
	Number				Per 100,000 population ¹		Number				Per 100,000 population ¹	
	1910	1923	1926	1927	1910	1927	1910	1923	1927	1928	1910	1928
United States	29, 710	38, 628	47, 114	48, 516	32	44	68, 735	81, 959	96, 355	98, 724	75	89
Federal prisons and reformatories	987	3, 703	5, 010	5, 021	1	4	1, 904	4, 664	6, 803	7, 722	2	7
State prisons and reformatories	28, 723	34, 925	42, 104	43, 495	32	40	66, 831	77, 295	89, 552	91, 002	73	83
New England	2, 070	1, 847	1, 952				3, 510	3, 636	4, 184			
Maine	60	202	210	182	9	23	201	379	412	384	27	48
New Hampshire	43	35	33	50	10	11	147	138	133	126	34	28
Vermont	(2)	277	285	245	(?)		170	310	388	334	48	(5)
Massachusetts	1, 114	603	826	752	33	18	1, 066	1, 448	1, 023	1, 866	58	44
Rhode Island	668	294	197	196	121	23	421	466	383	364	78	51
Connecticut	186	346	401	411	17	25	605	891	920	940	54	57
Middle Atlantic	5, 147	4, 747	5, 991	5, 992			12, 432	12, 520	13, 851	14, 555		
New York	3, 188	2, 666	3, 290	2, 917	35	26	7, 073	6, 316	7, 298	7, 531	78	66
New Jersey	814	825	1, 170	1, 328	32	35	1, 839	1, 912	2, 383	2, 519	73	67
Pennsylvania	1, 145	1, 256	1, 531	1, 747	15	18	3, 510	4, 208	4, 170	4, 505	46	46
East North Central	3, 815	7, 537	10, 150	11, 295			9, 981	15, 761	22, 524	25, 813		
Ohio	1, 115	2, 264	3, 180	3, 640	23	54	2, 561	4, 234	6, 200	7, 531	54	111
Indiana	770	1, 358	1, 385	1, 541	29	49	2, 302	2, 302	3, 615	3, 964	88	125
Illinois	844	1, 387	1, 728	1, 821	15	25	2, 509	4, 416	6, 138	6, 370	45	87
Michigan	559	1, 096	3, 040	3, 510	20	78	1, 596	3, 041	5, 168	6, 338	57	139
Wisconsin	527	532	517	783	23	27	953	1, 158	1, 484	1, 601	41	55
West North Central	2, 587	4, 024	5, 351	5, 619			6, 526	8, 566	12, 179	12, 371		
Minnesota	444	659	822	826	21	31	1, 092	1, 634	2, 240	2, 167	53	80
Iowa	333	753	665	760	15	31	903	1, 794	2, 044	2, 167	43	89
Missouri	839	912	1, 600	1, 753	26	50	2, 307	2, 205	3, 442	3, 624	70	103
North Dakota	102	136	210	206	18	32	212	244	309	302	37	47
South Dakota	152	185	297	236	26	34	207	326	469	420	36	60
Nebraska	197	378	405	503	17	36	481	789	1, 000	993	40	71
Kansas	500	1, 001	1, 253	1, 330	30	73	1, 264	1, 574	2, 675	2, 708	75	148
South Atlantic	4, 388	4, 816					10, 384	11, 751				
Maryland	1, 700	1, 300	1, 882	2, 239	131	149	1, 675	1, 483	1, 921	2, 095	129	130
Virginia	662	603	844	904	32	35	2, 145	1, 950	1, 979	2, 135	104	83
West Virginia	425	772	854	853	35	50	1, 071	1, 628	1, 799	1, 561	88	91
North Carolina	192	368	580	777	9	27	710	1, 046	1, 570	1, 723	32	59
South Carolina	237	351	302	226	16	12	848	528	604	437	56	24
Georgia	744	876	(2)	(2)	29	(2)	2, 638	3, 738	2, 945	(2)	101	(2)
Florida	428	451	(?)	(?)	57	(2)	1, 207	1, 368	(?)	(?)	172	(2)
East South Central	3, 916	2, 961					8, 012	8, 498				
Kentucky	855	827	1, 365	1, 290	37	51	2, 028	2, 079	2, 248	2, 188	89	86
Tennessee	652	599	811	972	30	39	1, 813	1, 630	2, 023	2, 182	83	88
Alabama	1, 785	1, 057	(?)	(?)	84	(?)	3, 381	3, 169	(?)	(?)	158	(?)
Mississippi	624	478	649	(?)	35	(?)	1, 690	1, 620	1, 563	(?)	94	(2)
West South Central	3, 269	4, 730	5, 411	6, 391			7, 428	8, 379	8, 795	10, 131		
Arkansas	570	957	987	1, 233	36	64	794	1, 410	1, 231	1, 246	50	64
Louisiana	750	559	765	755	45	39	1, 099	1, 593	1, 686	1, 743	121	90
Oklahoma	818	1, 711	1, 680	2, 078	49	87	1, 110	1, 799	2, 677	3, 273	67	136
Texas	1, 131	1, 503	1, 979	2, 325	20	43	3, 523	3, 577	3, 201	3, 864	90	71
Mountain	1, 812	1, 681	2, 112	2, 139			3, 206	2, 933	3, 456	3, 690		
Montana	297	243	277	273	79	38	691	331	437	471	184	86
Idaho	95	119	125	149	29	28	220	284	382	396	68	73
Wyoming	123	125	70	117	34	49	257	335	264	301	176	123
Colorado	596	662	806	804	75	75	851	1, 015	1, 129	1, 253	107	116
New Mexico	193	164	193	230	59	59	313	239	358	381	96	97
Arizona	279	207	257	309	137	67	405	355	444	485	198	104
Utah	149	186	155	145	40	28	270	200	210	208	72	40
Nevada	80	75	123	112	98	145	199	174	232	190	243	246
Pacific	1, 739	2, 582	3, 008	3, 207			4, 484	5, 253	8, 032	8, 441		
Washington	510	750	827	789	45	51	1, 249	1, 010	1, 552	1, 484	109	94
Oregon	221	262	332	368	33	41	899	406	572	629	59	70
California	1, 008	1, 570	1, 849	2, 050	42	46	2, 816	3, 837	5, 898	6, 325	118	141

¹ Based upon enumerated population Apr. 15, 1910, and estimated population July 1, 1927, and Jan. 1, 1928.

² No report received.

³ Data for the State prison and house of correction for men only. Not included in total.

⁴ Data for 1928 and 1927 include the State reformatory for women, established since 1923; data for 1910 and 1923 include the State workhouse and house of correction.

⁵ No prison or reformatory in Delaware or the District of Columbia.

⁶ Includes data for the Maryland house of correction and the State penitentiary.

Source: Bureau of the Census, Department of Commerce.

3. VITAL STATISTICS

GENERAL NOTE.—Vital statistics are registered by the States in the first instance, but duplicates of the original certificates of individual births and deaths are received and tabulated by the Census Bureau. Some States have as yet no system of registration. Owing to the gradual expansion of the "registration" areas (shown in Tables 81, 88 and 97), figures for the areas as a whole are not strictly comparable but, in most cases, the rates are affected very slightly.

Rates of births and deaths are affected by the sex and age distribution of the population. Certain tables show "adjusted" death rates in 1920, taking these factors into consideration, but most of the tables show crude rates which are obtained simply by dividing the number of deaths by the total population. The difference for the registration area as a whole is small, but for some States it is considerable. Adjusted rates subsequent to 1920 may be computed by applying to the crude rates, based on estimated population, the ratio of the adjusted rate to the crude rate in 1920, based on enumerated population. This method, as we get farther and farther away from the census of 1920, may become less and less reliable owing to changes in the age and sex distribution of the population. Stillbirths, shown in Table 92, are excluded from data for both births and deaths.

General tables cover the registration area in continental United States. Hawaii and the Virgin Islands are the only territories or possessions having adequate registration of births and deaths. Data for the former are shown separately in certain tables.

No. 81.—DEATHS: NUMBER AND RATES IN THE DEATH REGISTRATION AREA, 1880 TO 1927

NOTE.—See general note above

Year	Registration area			All deaths		Deaths under 1 year of age		Deaths under 5 years of age	
	Population	Percent of U. S. total population	Percent of U. S. total area	Number	Rate per 1,000 population	Number	Percent of all deaths	Number	Percent of all deaths
1880 ¹	8,638,866	17.0	0.6	169,453	19.8	48,041	23.3	74,810	44.0
1890 ¹	19,659,440	31.2	3.0	388,212	19.6	86,790	22.5	133,778	34.6
1900	30,765,618	40.5	7.1	539,939	17.6	111,687	20.7	164,137	30.4
1901	31,370,952	40.3	7.2	518,207	16.5	97,477	18.8	141,678	27.3
1902	32,029,815	40.4	7.2	508,040	15.9	98,575	19.4	143,515	28.2
1903	32,701,083	40.4	7.2	524,416	16.0	90,857	18.5	139,940	25.7
1904	33,345,163	40.4	7.2	551,354	16.5	102,880	18.7	145,902	25.5
1905	34,052,201	40.4	7.2	545,533	16.0	105,553	19.3	147,384	27.0
1906	41,983,419	48.9	20.3	658,105	15.7	133,105	20.2	186,978	28.4
1907	43,016,990	49.2	20.3	687,034	16.0	131,110	19.1	183,774	26.7
1908	46,789,913	52.5	24.4	691,574	14.8	136,432	19.7	180,855	27.5
1909	50,870,518	56.1	25.7	732,538	14.4	140,057	19.1	166,534	26.8
1910	53,831,742	58.3	33.6	805,412	15.0	154,373	19.2	217,319	27.0
1911	59,183,671	63.2	37.2	839,284	14.2	149,322	17.8	200,432	25.0
1912	60,359,974	63.5	37.2	838,251	13.9	147,455	17.6	204,630	24.4
1913	63,200,626	65.5	38.6	890,848	14.1	150,435	17.9	225,128	25.3
1914	66,813,315	67.2	41.3	898,059	13.0	155,075	17.3	214,120	23.8
1915	67,095,081	67.5	41.3	909,155	13.6	148,591	16.3	203,233	22.4
1916	71,349,162	70.8	44.0	1,001,021	14.0	164,600	16.4	234,031	23.4
1917	74,984,408	73.4	46.4	1,068,932	14.3	171,024	16.0	243,708	22.8
1918	81,333,675	78.5	52.0	1,471,397	18.1	193,855	13.2	306,143	20.8
1919	85,166,043	81.1	55.5	1,096,436	12.9	161,432	14.7	229,813	21.0
1920	87,486,713	82.2	58.0	1,142,558	13.1	174,710	15.3	248,432	21.7
1921	88,667,602	82.2	58.0	1,032,009	11.6	160,011	15.5	220,638	21.4
1922	93,241,643	85.3	68.1	1,161,863	11.8	158,560	14.4	218,201	19.8
1923	96,936,371	87.0	68.0	1,193,017	12.3	166,274	13.9	233,918	19.6
1924	99,200,293	88.5	70.3	1,173,990	11.8	161,404	13.7	220,122	18.7
1925	103,108,000	89.4	70.9	1,219,019	11.8	161,961	13.3	218,204	17.9
1926	105,167,000	89.8	74.7	1,285,927	12.2	163,343	12.7	226,324	17.6
1927	108,327,000	91.3	76.5	1,236,949	11.4	147,134	11.9	199,507	16.1

¹Census year ended May 31.

Source: Bureau of the Census, Department of Commerce.

No. 82.—DEATHS: RATE PER 1,000 POPULATION, BY SEX AND BY AGE GROUPS

NOTE.—It is necessary for accurate comparison of different years to consider only States having registration throughout the period compared. The rates for the registration States of 1900 are based on the population as enumerated January 1, 1920, and the estimated midyear population of 1900, 1913, 1920, and 1927; the rates for the registration States of 1920 are based on the midyear estimates. See also general note p. 77

Sex and age group	Death rates from all causes per 1,000 population										
	Registration States as of 1900					Registration States as of 1920					
	Annual average		1920	1926	1927	1920	1923	1924	1925	1926	1927
	1901-1905	1911-1915									
BOTH SEXES											
All ages:											
Adjusted rate.....	15.5	14.1	13.2	12.0	11.0	12.7	11.9	11.3	11.5	11.8	
Crude rate.....	16.8	14.6	13.9	12.9	11.9	13.9	12.4	11.9	11.9	11.6	
Under 1 year.....	138.2	123.0	106.1	75.2	64.1	90.6	86.3	82.3	75.3	74.3	
1 to 4 years.....	15.8	11.8	10.7	7.1	5.0	9.8	8.1	6.8	6.3	6.9	
Under 5 years.....	41.7	34.6	29.1	20.2	16.4	26.5	22.9	21.0	19.7	20.0	
5 to 9 years.....	4.1	3.1	3.2	2.3	2.3	3.0	2.4	2.2	2.1	2.1	
10 to 14 years.....	2.7	2.1	2.3	1.7	1.7	2.3	1.9	1.8	1.8	1.7	
15 to 19 years.....	4.4	3.5	3.8	2.9	2.8	4.1	3.5	3.5	3.3	3.2	
20 to 24 years.....	6.1	4.9	5.2	3.7	3.5	5.7	4.6	4.6	4.3	4.3	
25 to 34 years.....	7.5	6.1	6.4	4.3	4.1	6.3	5.1	4.9	4.8	4.8	
35 to 44 years.....	9.9	9.0	8.0	7.3	7.0	8.2	7.4	7.2	7.3	7.5	
45 to 54 years.....	14.4	14.3	12.6	13.2	12.4	12.1	12.1	12.0	12.4	13.0	
55 to 64 years.....	27.1	27.5	25.5	28.2	26.8	23.6	24.4	23.7	25.2	26.3	
65 to 74 years.....	55.1	58.0	56.7	64.1	61.1	52.2	56.4	55.0	57.6	60.9	
75 years and over.....	137.8	140.1	141.3	151.3	138.4	133.6	140.9	133.3	141.1	149.7	
MALES											
All ages:											
Adjusted rate.....	10.5	16.3	13.8	12.9	11.9	13.2	12.8	12.2	12.2	12.6	
Crude rate.....	18.8	16.5	14.2	13.5	12.5	13.4	13.0	12.7	12.6	13.0	
Under 1 year.....	152.7	136.7	110.8	84.4	72.9	108.5	98.5	93.0	84.8	83.4	
1 to 4 years.....	18.5	12.4	11.1	7.6	5.4	10.2	8.6	7.3	6.0	7.3	
Under 5 years.....	46.3	37.8	32.0	22.4	18.4	29.1	25.2	23.4	21.8	22.1	
5 to 9 years.....	4.2	3.3	3.4	2.5	2.5	3.1	2.6	2.4	2.3	2.3	
10 to 14 years.....	2.3	2.2	2.4	1.9	1.9	2.4	2.1	2.0	2.0	1.9	
15 to 19 years.....	4.4	3.7	3.9	3.1	3.0	4.2	3.6	3.6	3.4	3.3	
20 to 24 years.....	6.2	5.3	5.0	3.9	3.6	5.4	4.7	4.7	4.3	4.3	
25 to 34 years.....	7.8	6.5	6.2	4.4	4.2	6.5	5.2	5.0	4.9	4.8	
35 to 44 years.....	10.6	10.1	8.3	8.0	7.7	8.3	7.8	7.7	7.8	8.0	
45 to 54 years.....	15.6	15.9	13.1	14.5	13.6	12.5	12.8	12.7	13.2	13.9	
55 to 64 years.....	29.1	30.1	26.7	30.5	29.1	24.6	25.9	25.4	27.0	28.2	
65 to 74 years.....	58.2	61.7	58.6	68.4	65.4	54.2	59.1	58.7	61.5	64.9	
75 years and over.....	142.9	144.6	145.0	165.8	144.3	136.1	144.2	138.8	145.7	154.5	
FEMALES											
All ages:											
Adjusted rate.....	14.6	13.0	12.8	11.1	10.2	12.2	11.2	10.6	10.8	11.1	
Crude rate.....	14.9	13.6	13.5	12.2	11.2	12.6	11.8	11.1	11.2	11.6	
Under 1 year.....	123.3	109.0	92.2	65.8	65.2	84.4	75.9	71.4	65.6	64.9	
1 to 4 years.....	15.2	11.3	10.2	6.6	4.7	9.3	7.7	6.4	5.9	6.5	
Under 5 years.....	38.0	31.2	26.0	18.0	14.4	23.9	20.6	18.6	17.5	17.8	
5 to 9 years.....	4.0	2.9	2.0	2.1	2.0	2.8	2.2	2.0	1.9	1.9	
10 to 14 years.....	2.7	2.0	2.1	1.6	1.5	2.1	1.7	1.6	1.6	1.5	
15 to 19 years.....	4.4	3.2	3.7	2.8	2.6	4.0	3.5	3.4	3.2	3.2	
20 to 24 years.....	5.9	4.5	5.3	3.6	3.4	5.9	4.5	4.5	4.3	4.2	
25 to 34 years.....	7.3	5.6	6.7	4.3	4.1	7.2	5.1	4.8	4.8	4.6	
35 to 44 years.....	9.0	7.9	7.6	6.5	6.1	8.0	6.9	6.6	6.9	7.0	
45 to 54 years.....	13.1	12.6	12.1	11.7	11.2	11.6	11.3	11.1	11.4	11.9	
55 to 64 years.....	25.1	24.9	24.2	25.8	24.3	22.5	22.7	21.8	23.2	24.3	
65 to 74 years.....	52.1	54.5	55.0	60.1	56.9	60.2	53.6	51.0	53.5	56.7	
75 years and over.....	133.3	130.4	138.4	147.6	133.6	131.4	137.9	128.5	137.2	146.4	

Source: Bureau of the Census, Department of Commerce.

No. 83.—DEATHS; CRUDE RATES PER 1,000 ESTIMATED POPULATION IN THE DEATH REGISTRATION AREA, BY COLOR

NOTE.—See general note, p. 77

Year	Registration area			All registration cities			Rural part of registration area		
	Total	White	Colored	Total	White	Colored	Total	White	Colored
1913.....	14.1	13.7	21.7	15.3	14.7	24.1	12.7	12.4	18.2
1914.....	13.6	13.2	21.7	14.8	14.3	23.0	12.3	12.0	18.6
1915.....	13.6	13.1	22.0	14.6	14.0	23.3	12.3	12.0	19.2
1916.....	14.0	13.6	19.8	15.2	14.7	23.0	12.0	12.5	17.4
1917.....	14.3	13.7	21.4	15.5	14.8	25.6	13.0	12.5	18.2
1918.....	18.1	17.4	26.0	20.0	19.3	30.4	16.3	15.6	23.1
1919.....	12.9	12.4	18.0	13.9	13.4	21.9	11.9	11.4	16.0
1920.....	13.1	12.6	18.0	14.2	13.6	22.7	11.9	11.5	15.3
1921.....	11.6	11.2	16.0	12.4	11.9	19.8	10.9	10.6	13.8
1922.....	11.8	11.4	15.7	12.7	12.2	20.5	11.0	10.7	13.2
1923.....	12.3	11.8	17.1	13.2	12.5	22.5	11.5	11.1	14.2
1924.....	11.8	11.2	17.8	12.8	12.1	23.3	10.9	10.4	14.8
1925.....	11.8	11.2	18.2	13.0	12.2	23.4	10.7	10.2	15.2
1926.....	12.2	11.6	18.8	13.4	12.7	23.9	11.1	10.6	15.6
1927.....	11.4	10.8	17.3	12.5	11.8	22.3	10.4	9.9	14.5

Source: Bureau of the Census, Department of Commerce.

No. 84.—DEATHS; NUMBER IN THE DEATH REGISTRATION STATES

NOTE.—See general note, p. 77

Registration States	1925	1926	1927	Registration States	1925	1926	1927
Total.....	1,191,809	1,257,256	1,211,627	Minnesota.....	25,436	25,803	24,688
Alabama.....	29,140	29,692	27,062	Mississippi.....	22,163	23,766	23,203
White.....	14,064	15,416	14,273	White.....	8,213	9,191	8,847
Colored.....	14,176	14,276	12,789	Colored.....	13,955	14,575	14,356
Arizona.....	(1)	5,872	5,881	Missouri.....	41,288	42,752	40,753
Arkansas.....	(1)	(1)	18,311	Montana.....	5,188	5,395	5,342
White.....	(1)	(1)	11,988	Nebraska.....	12,493	12,648	12,369
Colored.....	(1)	(1)	6,323	New Hampshire.....	6,563	6,703	6,329
California.....	56,800	58,014	61,540	New Jersey.....	42,192	44,870	42,128
Colorado.....	12,549	12,273	13,082	New York.....	142,500	151,345	140,899
Connecticut.....	17,680	18,318	16,757	North Carolina.....	32,548	34,562	32,917
Delaware.....	3,115	3,447	3,007	White.....	19,702	20,967	19,844
Dist. of Columbia.....	7,015	7,388	6,985	Colored.....	12,846	13,605	13,073
White.....	4,293	4,633	4,306	North Dakota.....	5,045	5,313	5,211
Colored.....	2,722	2,755	2,680	Ohio.....	73,607	78,695	73,515
Florida.....	16,862	20,044	18,151	Oregon.....	9,629	9,857	10,206
White.....	10,100	13,173	10,887	Pennsylvania.....	115,745	120,537	111,252
Colored.....	6,762	7,871	7,264	Rhode Island.....	8,225	8,791	7,897
Idaho.....	3,402	3,871	3,787	South Carolina.....	21,990	23,403	21,740
Illinois.....	81,592	85,331	82,849	White.....	8,698	9,219	8,961
Indiana.....	38,632	40,016	37,677	Colored.....	13,297	14,184	12,779
Iowa.....	24,294	25,466	24,532	Tennessee.....	27,834	31,305	29,029
Kansas.....	18,581	19,100	18,582	White.....	16,404	22,163	20,549
Kentucky.....	28,337	29,952	27,209	Colored.....	8,430	9,142	8,480
White.....	23,736	23,145	22,736	Utah.....	4,484	5,136	4,737
Colored.....	4,601	6,807	4,473	Vermont.....	5,137	5,215	4,882
Louisiana.....	25,088	24,230	23,875	Virginia.....	20,343	30,818	28,772
White.....	12,202	13,272	11,373	White.....	17,523	18,869	17,603
Colored.....	12,886	11,058	11,507	Colored.....	11,820	11,952	11,169
Maine.....	10,792	11,355	10,968	Washington.....	15,280	15,670	15,050
Maryland.....	21,628	22,649	21,102	West Virginia.....	17,154	18,143	16,989
White.....	16,113	17,170	15,337	Wisconsin.....	29,330	30,191	29,567
Colored.....	5,485	5,479	5,765	Wyoming.....	1,896	1,902	1,970
Massachusetts.....	51,721	52,638	49,285	Hawaii ²	4,108	3,886	4,046
Michigan.....	49,419	54,084	50,643				

¹ Not added to the registration area until a later date.

² Not included in totals.

Source: Bureau of the Census, Department of Commerce.

No. 85.—DEATHS: RATE PER 1,000 POPULATION, BY STATES

NOTE.—See general note, p. 77

Registration States	Death rate per 1,000 estimated population									Ratio of adjusted to crude rate, 1920	
	Crude rate										
	1919	1920	1921	1922	1923	1924	1925	1926	1927		Ad-justed rate, 1920
Total ¹	12.8	13.0	11.6	11.8	12.3	11.8	11.8	12.2	11.4	12.7	-----
Alabama.....	(2)	(2)	(2)	(2)	(2)	(2)	11.7	11.8	10.6	(2)	(2)
White.....	(2)	(2)	(2)	(2)	(2)	(2)	9.4	9.4	8.6	(2)	(2)
Colored.....	(2)	(2)	(2)	(2)	(2)	(2)	18.6	18.0	14.8	(2)	(2)
Arizona.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	12.5	12.8	(2)	(2)
Arkansas.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	9.5	(2)	(2)
White.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	8.4	(2)	(2)
Colored.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	12.8	(2)	(2)
California.....	13.7	13.6	13.2	14.1	14.3	14.5	13.6	13.7	13.9	12.4	0.9117
Colorado.....	12.9	14.5	12.4	13.5	12.4	12.5	12.1	11.6	12.2	14.4	.9971
Connecticut.....	13.3	13.6	11.4	12.0	12.0	11.3	11.2	11.4	10.2	12.9	.9507
Delaware.....	15.5	14.6	13.1	13.2	14.0	13.0	13.1	14.4	12.4	13.7	.9420
Florida.....	12.4	13.0	11.8	12.2	13.5	12.9	13.3	15.2	13.3	13.4	1.0308
White.....	11.3	11.7	10.5	10.9	11.8	11.2	11.8	13.5	11.7	11.4	.9715
Colored.....	14.3	15.5	14.2	15.0	17.0	16.4	16.6	13.3	16.9	17.6	1.137
Georgia.....	(2)	(2)	(2)	10.4	11.3	11.5	(2)	(2)	(2)	(2)	(2)
White.....	(2)	(2)	(2)	9.2	9.9	9.3	(2)	(2)	(2)	(2)	(2)
Colored.....	(2)	(2)	(2)	12.2	13.3	15.9	(2)	(2)	(2)	(2)	(2)
Idaho.....	(2)	(2)	(2)	8.1	7.1	7.9	6.7	7.4	7.1	(2)	(2)
Illinois.....	12.0	12.6	11.1	11.3	12.0	11.2	11.5	11.8	11.4	12.5	.9892
Indiana.....	12.7	13.4	11.9	11.9	12.9	12.2	12.5	12.8	12.0	12.1	.9024
Iowa.....	(2)	(2)	(2)	(2)	10.3	9.8	10.0	10.5	10.1	(2)	(2)
Kansas.....	10.3	11.4	10.2	10.6	11.0	9.9	10.2	10.5	10.2	10.4	.9142
Kentucky.....	12.8	11.8	10.5	10.8	11.9	10.3	11.3	11.9	10.7	11.7	.9948
White.....	11.8	11.0	9.8	10.0	11.1	9.9	10.4	10.9	9.8	10.9	.9850
Colored.....	21.2	19.4	17.9	18.4	19.5	20.1	20.8	22.5	21.0	19.5	1.0537
Louisiana.....	12.9	11.9	11.0	11.3	12.1	13.1	13.2	12.6	12.3	13.3	1.1152
White.....	10.6	9.8	9.2	9.4	10.0	10.5	10.2	10.0	9.6	10.9	1.1167
Colored.....	16.4	15.3	13.9	14.4	15.5	17.6	18.4	17.3	17.4	17.1	1.1157
Maine.....	14.6	15.4	14.0	14.7	15.0	13.8	13.7	14.4	13.8	12.4	.8048
Maryland.....	15.3	14.7	13.6	13.6	14.7	13.8	13.9	14.3	13.2	14.4	.9811
White.....	13.8	13.3	12.3	12.4	13.3	12.5	12.8	13.0	11.8	12.3	.9575
Colored.....	22.5	21.2	19.6	19.4	21.4	20.2	21.5	21.5	20.6	22.7	1.0693
Massachusetts.....	13.6	13.8	12.2	12.8	13.0	12.0	12.5	12.5	11.6	12.9	.9351
Michigan.....	12.6	13.9	11.6	11.3	12.4	11.6	11.5	12.3	11.3	13.2	.9525
Minnesota.....	10.5	10.7	9.4	9.5	10.1	9.7	9.7	9.7	9.2	10.5	.9796
Mississippi.....	12.7	12.3	11.1	10.8	11.4	11.8	12.4	13.3	13.0	13.4	1.0868
White.....	9.6	9.2	8.6	8.7	9.1	9.2	9.8	10.3	10.4	9.7	1.0536
Colored.....	15.4	15.1	13.5	12.8	13.5	14.3	14.9	15.6	16.3	16.3	1.1133
Missouri.....	11.3	12.5	10.8	11.2	12.2	11.7	11.9	12.2	11.6	11.9	.9539
Montana.....	10.7	9.5	8.2	8.6	8.0	7.9	7.7	7.8	7.5	10.2	1.0700
Nebraska.....	(2)	10.0	9.2	9.4	9.5	9.2	9.1	9.1	8.9	9.7	.9726
New Hampshire.....	14.7	15.2	13.7	14.6	15.1	14.2	14.5	14.8	13.9	12.2	.7982
New Jersey.....	13.1	13.0	11.7	12.2	12.3	11.9	11.7	12.2	11.2	13.1	1.0102
New York.....	13.9	13.8	12.3	13.0	13.0	12.7	12.8	13.4	12.3	13.6	.9803
North Carolina.....	12.2	12.7	11.3	11.6	12.0	12.2	11.6	12.1	11.4	13.4	1.0579
White.....	10.6	11.2	9.9	10.3	10.6	10.4	9.9	10.4	9.7	11.6	1.0370
Colored.....	15.9	16.0	14.4	14.8	16.5	16.4	15.5	16.3	15.5	17.7	1.1039
North Dakota.....	(2)	(2)	(2)	(2)	(2)	7.6	7.9	8.3	8.1	(2)	(2)
Ohio.....	12.7	12.8	11.3	11.3	12.3	11.2	11.4	11.9	11.0	11.9	.9804
Oregon.....	11.4	11.7	10.4	11.5	10.9	11.4	11.2	11.2	11.5	10.9	.9277
Pennsylvania.....	13.4	13.8	12.4	12.3	13.3	12.3	12.2	12.5	11.4	13.6	.9807
Rhode Island.....	14.2	14.3	12.6	13.1	13.8	12.5	12.1	12.7	11.2	13.8	.9620
South Carolina.....	13.3	14.0	11.9	12.0	11.8	13.0	12.2	12.8	11.8	15.6	1.1107
White.....	10.6	11.4	9.8	9.7	9.5	10.4	9.6	9.8	9.4	12.3	1.0792
Colored.....	16.7	16.5	14.0	14.2	14.1	15.6	14.9	15.9	14.3	13.9	1.1418
Tennessee.....	12.2	12.1	10.7	10.8	11.9	11.6	11.4	12.7	11.7	12.5	1.0308
White.....	10.3	10.7	9.4	9.5	10.4	9.9	9.7	10.9	10.0	10.9	1.0187
Colored.....	18.1	18.1	16.0	16.4	18.7	19.4	19.0	21.3	19.6	19.2	1.0696
Utah.....	11.0	11.5	10.4	10.4	9.5	10.4	8.9	10.0	9.1	12.0	1.0470
Vermont.....	14.4	15.7	14.2	14.7	15.2	13.8	14.6	14.8	13.9	12.3	.7834
Virginia.....	13.7	13.1	12.2	12.1	12.8	12.0	11.8	12.2	11.3	13.6	1.0332
White.....	11.5	11.3	10.4	10.3	11.0	10.3	9.9	10.4	9.5	11.4	1.0092
Colored.....	18.3	17.9	16.3	16.4	17.2	18.4	16.6	16.9	15.9	18.9	1.0785
Washington.....	10.7	11.1	9.5	10.1	9.7	10.0	10.1	10.2	10.2	11.0	.9925
West Virginia.....	(2)	(2)	(2)	(2)	(2)	(2)	10.5	10.9	10.0	(2)	(2)
Wisconsin.....	10.7	11.2	10.3	10.1	10.7	10.2	10.3	10.5	10.1	10.5	.9303
Wyoming.....	(2)	(2)	(2)	9.3	10.3	9.5	8.3	8.1	8.2	(2)	(2)
Hawaii ⁴	15.3	17.7	14.8	16.0	16.6	14.1	14.1	13.0	13.2	(2)	(2)

¹ Includes District of Columbia (see rates under Washington, Table 86); does not include Hawaii.
² Not added to registration area until a later date.
³ State registration law declared unconstitutional.
⁴ Not included in the total.
⁵ Not computed.

Source: Bureau of the Census, Department of Commerce.

No. 86.—DEATHS: RATE PER 1,000 ESTIMATED POPULATION, BY REGISTRATION CITIES HAVING 100,000 OR MORE INHABITANTS IN 1920

NOTE.—For discussion of crude and adjusted rates see general note, p. 77

City	Crude rate			Adjusted rate, 1920	Ratio of ad-justed to crude rate, 1920	City	Crude rate			Adjusted rate, 1920	Ratio of ad-justed to crude rate, 1920
	1920	1926	1927				1920	1926	1927		
Akron	11.2	(?)	(?)	13.8	1.2169	Milwaukee	11.7	11.1	10.7	12.4	1.0683
Albany	15.7	16.8	15.9	14.3	.9118	Minneapolis	12.3	11.5	10.5	12.4	1.0111
Atlanta	17.2	16.0	15.4	19.3	1.1265	Nashville	18.1	17.7	17.4	18.8	1.0373
White	14.6	11.1	(?)	16.4	1.1515	White	15.5	16.0	(?)	16.2	1.0444
Colored	23.0	27.6	(?)	25.7	1.1199	Colored	24.0	23.0	(?)	24.8	1.0304
Baltimore	15.4	15.1	14.1	15.6	1.0156	New Bedford	14.2	12.5	11.0	14.9	1.0440
White	13.9	13.4	(?)	15.9	.9947	New Haven	14.5	12.2	11.2	14.5	1.0018
Colored	23.5	25.1	(?)	26.6	1.1804	New Orleans	17.0	18.9	18.7	18.7	1.0322
Birmingham	16.5	17.7	15.8	19.2	1.1663	White	14.5	15.0	(?)	15.2	1.0431
White	12.4	12.5	(?)	14.7	1.1867	Colored	26.4	30.0	(?)	28.4	1.1167
Colored	22.8	24.0	(?)	26.4	1.1601	New York	13.0	12.8	11.8	14.4	1.1082
Boston	15.4	14.9	14.0	15.6	1.0052	Bronx Borough	10.6	10.3	9.8	12.4	1.1760
Bridgeport	12.8	(?)	(?)	13.9	1.0784	Brooklyn	12.6	12.0	10.9	13.8	1.0963
Buffalo	14.0	14.3	13.1	15.3	1.0440	Manhattan	14.8	16.0	14.7	15.9	1.1137
Cambridge	14.9	12.1	11.2	14.5	.9730	Queens Borough	11.5	10.3	9.9	12.7	1.1019
Camden	14.7	13.5	12.4	15.4	1.0443	Richmond	16.1	14.0	12.2	15.2	1.0057
Chicago	12.8	11.7	11.5	13.9	1.0807	Newark, N. J.	12.9	11.9	10.9	14.0	1.0912
Cincinnati	15.1	17.3	16.7	14.4	.9530	Norfolk	15.2	10.7	9.8	17.3	1.1362
Cleveland	12.4	11.1	9.7	13.8	1.1168	White	11.8	7.6	(?)	15.4	1.1332
Columbus	14.8	13.9	13.4	14.6	.9898	Colored	20.7	16.2	(?)	23.6	1.1469
Dallas	13.4	13.5	11.6	15.4	1.1496	Oakland	11.8	10.3	11.0	11.5	.9800
White	12.1	11.9	(?)	14.0	1.1527	Omaha	14.3	13.0	12.2	15.2	1.0622
Colored	20.8	23.4	(?)	23.7	1.1415	Paterson	12.8	12.8	12.2	13.5	1.0518
Dayton	12.2	12.2	12.3	12.2	1.0030	Philadelphia	14.4	13.8	12.2	14.9	1.0153
Denver	17.3	13.9	14.4	17.0	.9800	Pittsburgh	16.4	14.1	13.7	17.5	1.0958
Des Moines	(?)	11.8	10.9	(?)	(?)	Portland, Oreg.	12.1	(?)	(?)	11.8	.9737
Detroit	13.4	12.6	10.8	15.2	1.1335	Providence	15.5	12.9	11.3	15.2	.9337
Fall River	14.7	13.0	10.9	15.1	1.0303	Reading	14.5	12.7	10.6	14.0	.9664
Fort Worth	(?)	9.7	9.3	(?)	(?)	Richmond	16.5	16.0	14.2	17.7	1.0731
White	(?)	9.0	(?)	(?)	(?)	White	13.3	12.8	(?)	13.8	1.0379
Colored	(?)	15.1	(?)	(?)	(?)	Colored	23.3	23.9	(?)	23.2	1.1271
Grand Rapids	13.2	11.3	9.8	12.6	.9546	Rochester	12.6	12.8	11.7	12.4	.9862
Hartford	16.4	13.0	12.3	16.9	1.0325	St. Louis	14.1	13.9	12.0	14.6	1.0398
Houston	13.9	(?)	(?)	15.7	1.1337	St. Paul	12.5	12.3	11.8	12.8	1.0193
White	12.3	(?)	(?)	15.9	1.1275	Salt Lake City	14.3	12.8	12.3	14.6	1.0236
Colored	18.6	(?)	(?)	21.6	1.1573	San Antonio	16.2	14.7	14.4	17.8	1.1015
Indianapolis	14.0	14.0	13.1	14.8	1.0154	San Francisco	14.2	13.5	13.6	14.1	.9920
White	13.8	13.4	(?)	13.7	.9971	Scranton	14.9	13.2	13.2	16.2	1.0875
Colored	20.9	13.7	(?)	23.9	1.1417	Seattle	10.7	(?)	9.5	11.1	1.0419
Jersey City	14.1	11.9	11.0	15.4	1.0912	Spokane	14.2	13.9	13.6	14.1	.9965
Kansas City,						Springfield, Mass.	13.0	12.6	11.4	13.1	1.0064
Kans.	14.5	13.0	13.2	15.1	1.0459	Syracuse	15.2	13.6	12.3	14.9	.9783
White	13.5	12.6	(?)	(?)	(?)	Toledo	13.8	12.6	11.9	14.1	1.0210
Colored	20.6	13.5	(?)	(?)	(?)	Trenton	15.7	14.1	13.2	16.4	1.0450
Kansas City, Mo.	16.1	13.7	13.1	16.8	1.0476	Washington, D.C.	14.0	14.0	12.9	15.0	1.0301
Los Angeles	14.1	(?)	(?)	13.1	.9336	White	12.6	11.3	10.4	12.4	.9340
Louisville	15.2	15.2	12.8	15.2	.9661	Colored	20.6	22.6	21.2	23.1	1.1213
White	13.8	13.5	(?)	13.5	.9798	Wilmington, Del.	14.1	13.0	11.6	14.3	1.0181
Colored	22.2	24.6	(?)	23.6	1.0636	Worcester	14.7	14.0	12.9	14.4	.9789
Lowell	15.7	14.0	12.6	15.8	1.0084	Yonkers	11.4	10.4	9.4	12.5	1.1000
Memphis	19.9	20.0	19.3	21.6	1.0849	Youngstown	12.9	10.7	10.0	14.4	1.1168
White	15.6	15.3	(?)	16.7	1.0876						
Colored	27.0	28.4	(?)	30.9	1.1302						

¹ Estimate of population unsatisfactory.

² Not added to registration area until a later date.

Source: Bureau of the Census, Department of Commerce.

No. 87.—DEATHS: NUMBER AND RATE PER 100,000 POPULATION, IN THE DEATH REGISTRATION AREA, BY IMPORTANT CAUSES

NOTE.—See general note, p. 77

Detailed Int. List No.	Causes of death	Number of deaths, registration area, 1927	Registration area—rate							Registration States as of 1900—rate						
			1900	1910	1920	1924	1925	1926	1927	1900	1910	1920	1924	1925	1926	1927
	All causes.....	1,236,349	1,755.0	1,496.2	1,806.0	1,183.5	1,182.3	1,222.7	1,141.9	1,719.5	1,562.4	1,379.0	1,232.5	1,239.7	1,287.5	1,187.4
1	Typhoid and paratyphoid fever.....	5,905	35.9	23.5	7.8	6.7	8.0	6.5	5.5	31.3	18.0	5.0	3.5	3.8	2.3	2.0
7	Measles.....	4,433	12.5	12.3	8.8	8.6	2.3	8.2	4.1	13.4	12.6	10.4	5.9	3.4	11.2	1.9
8	Scarlet fever.....	2,440	10.2	11.6	4.6	3.1	2.7	2.5	2.3	9.6	12.2	5.2	3.3	2.7	2.3	2.7
9	Whooping cough.....	7,445	12.1	11.4	12.5	8.3	6.7	8.9	6.9	12.2	10.7	11.9	6.6	5.9	7.8	4.8
10	Diphtheria.....	8,426	43.3	21.4	15.3	9.4	7.8	7.5	7.8	40.4	22.5	17.4	10.3	8.2	7.7	8.5
11, 101	Influenza and pneumonia.....	75,127	181.5	115.1	153.7	76.8	84.5	99.3	69.4	179.4	121.8	144.6	71.5	79.3	96.4	67.1
31, 37a	Tuberculosis of the respiratory system and acute disseminated tuberculosis.....	78,530	181.8	139.7	100.8	80.2	77.1	77.8	72.5	174.5	142.0	97.2	75.8	72.8	73.3	67.6
32-36, 37b	Other forms of tuberculosis.....	9,037	20.1	20.6	13.4	10.2	9.5	9.3	8.3	20.7	22.7	14.7	10.9	9.9	9.9	8.7
43-49	Cancer and other malignant tumors.....	103,578	63.0	76.2	83.4	91.9	92.6	94.9	95.6	64.0	83.0	98.9	109.8	111.5	113.5	116.1
57	Diabetes mellitus.....	28,937	9.7	14.9	16.1	16.6	16.9	18.0	17.5	11.0	17.6	20.4	20.6	21.2	22.2	22.3
74, 83, 92	Cerebral hemorrhage and softening, embolism and thrombosis (not cerebral).....	94,621	75.5	79.4	86.4	94.4	86.5	89.0	87.3	80.7	92.3	102.2	107.8	98.3	100.8	97.4
87-90	Diseases of the heart.....	211,976	132.1	153.8	159.3	178.1	165.5	198.1	195.7	137.4	180.9	198.0	221.4	234.2	251.4	241.6
99, 100	Bronchitis and bronchopneumonia.....	42,425	67.6	70.5	67.9	48.2	45.1	50.5	39.2	68.1	79.2	52.1	53.6	51.7	61.2	44.4
113, 114	Diarrhea and enteritis ¹	20,899	133.2	117.4	54.4	34.8	39.3	33.6	27.6	139.9	119.4	55.7	28.0	31.4	25.1	20.2
117	Appendicitis and typhlitis.....	16,205	9.7	11.4	13.4	14.9	15.1	15.0	15.0	8.8	11.1	13.2	15.1	15.2	14.9	15.2
118	Hernia, intestinal obstruction ²	11,309	12.2	12.4	10.4	10.6	10.6	11.2	10.4	11.9	12.6	11.1	11.0	10.9	11.5	10.7
122	Cirrhosis of the liver.....	8,098	12.9	13.9	7.1	7.4	7.3	7.2	7.5	12.5	14.4	7.7	8.1	8.2	8.1	8.1
128, 129	Acute and chronic nephritis.....	100,163	89.0	99.1	89.4	89.6	96.3	98.3	92.5	88.7	107.3	97.6	93.1	101.4	103.6	95.8
146	Puerperal septicemia.....	5,715	5.7	7.2	6.6	5.8	5.5	5.2	5.3	5.8	6.7	6.1	5.3	4.9	4.7	4.9
143-145	Other puerperal causes.....	9,145	7.6	8.5	12.6	9.7	9.3	9.1	8.4	7.7	8.4	11.5	8.5	8.0	7.6	7.8
147-150	Congenital malformations and diseases of early infancy.....	73,365	91.8	88.1	84.9	78.3	73.9	71.5	67.7	88.2	94.6	91.0	81.3	75.9	73.2	69.5
155-174	Suicide.....	14,356	11.5	16.0	10.2	12.2	12.1	12.8	13.3	10.2	15.4	10.9	13.0	13.1	13.4	14.4
197-200	Homicide.....	9,470	2.1	5.9	7.1	8.5	8.6	8.8	8.7	1.2	3.9	4.2	5.1	5.0	5.1	5.0
Part 188a	Automobile and railroad-train collision.....	1,676	(⁴)	(⁴)	(⁴)	(⁴)	1.2	1.5	1.5	(⁴)	(⁴)	(⁴)	(⁴)	1.1	1.4	1.6
Part 188b	Automobile and street-car collision.....	476	(⁴)	(⁴)	(⁴)	(⁴)	0.5	0.4	0.4	(⁴)	(⁴)	(⁴)	(⁴)	0.6	0.5	0.5
188c	Automobile accidents ³	21,160	(⁴)	1.8	10.4	15.7	17.0	17.9	19.5	(⁴)	2.0	12.1	13.2	19.2	19.5	21.5
	Other external causes.....	61,668	79.0	82.6	61.0	60.7	59.6	53.8	57.0	72.3	75.8	58.6	59.0	58.6	56.9	54.4

¹ Includes ulcer of the duodenum from 1900 to 1920.

² Includes adhesions of intestines from 1900 to 1920.

³ Excludes collisions with railroad trains and street cars.

⁴ Not separately tabulated.

Source: Bureau of the Census, Department of Commerce.

No. 88.—BIRTHS, DEATHS, AND DEATHS UNDER 1 YEAR OF AGE IN THE BIRTH REGISTRATION AREA: BY SEX

NOTE.—See general note, p. 77

Year	Entire area								
	Population of registration area ¹	Per cent of U. S. total population	Per cent of U. S. total area	Births			Deaths		
				Total	Males	Females	Total	Males	Females
1915	30,936,179	31.1	9.8	776,304	398,615	377,689	436,593	234,871	201,722
1916	32,788,670	32.5	10.2	818,983	420,881	398,102	486,692	264,498	222,184
1917	54,771,416	53.6	26.7	1,368,792	696,101	672,691	776,222	423,359	352,863
1918	55,615,241	53.6	26.7	1,363,649	701,104	662,545	996,627	534,720	461,907
1919	61,483,423	58.6	36.2	1,373,438	705,593	667,845	798,104	422,252	376,852
1920	63,659,441	59.8	38.7	1,508,874	775,322	733,552	836,134	438,201	397,933
1921	70,425,705	65.3	40.7	1,714,231	881,591	832,670	825,511	434,019	391,492
1922	78,885,852	72.2	50.7	1,774,911	911,831	863,080	938,545	497,967	440,578
1923	79,952,425	72.2	50.7	1,792,646	921,020	871,626	992,237	528,420	463,808
1924	85,424,653	76.2	56.8	1,930,614	992,431	938,183	1,006,994	542,637	494,357
1925	87,636,000	76.0	56.6	1,878,880	966,973	911,907	1,030,518	555,267	475,251
1926	89,988,000	76.8	63.2	1,856,068	963,638	902,430	1,093,511	589,653	503,858
1927	103,591,000	87.3	72.0	2,137,836	1,099,287	1,038,549	1,176,805	638,086	538,725

Year	Entire area—Continued						Area ² as of 1917	
	Excess of births over deaths	Rates per 1,000 of total population			Number of males per 1,000 females		Rates per 1,000 of total population	
		Births	Deaths	Excess of births	Among births	Among deaths	Births	Deaths
1915	330,711	25.1	14.1	11.0	1,055	1,104	-----	-----
1916	332,301	25.0	14.8	10.2	1,057	1,190	-----	-----
1917	377,570	24.7	14.2	10.5	1,058	1,200	24.7	14.2
1918	367,022	24.6	13.3	6.3	1,058	1,158	24.5	17.0
1919	575,334	22.3	13.0	0.3	1,057	1,123	22.6	12.9
1920	672,740	23.7	13.1	10.6	1,057	1,101	23.9	13.2
1921	888,760	24.3	11.7	12.6	1,059	1,109	24.5	11.7
1922	836,366	22.5	11.9	10.6	1,056	1,130	22.8	11.9
1923	800,409	22.4	12.4	10.0	1,057	1,139	22.8	12.6
1924	923,620	22.6	11.8	10.8	1,058	1,169	23.0	11.8
1925	848,362	21.4	11.8	9.6	1,060	1,168	21.7	11.9
1926	762,557	20.6	12.2	8.4	1,057	1,170	20.8	12.3
1927	961,031	20.6	11.4	9.2	1,058	1,184	20.6	11.4

Year	Deaths under 1 year of age in entire birth registration area						
	Number			Deaths per 1,000 births			Number of male deaths per 1,000 female deaths
	Total	Males	Females	Among total	Among males	Among females	
1915	77,572	43,818	33,754	100	110	89	1,298
1916	82,734	46,790	35,944	101	111	90	1,302
1917	126,950	72,192	54,758	94	104	83	1,318
1918	137,647	77,736	59,911	101	111	90	1,298
1919	119,000	67,680	51,420	87	96	77	1,314
1920	129,531	73,737	55,794	86	95	76	1,322
1921	129,588	73,682	56,006	76	84	67	1,314
1922	135,223	77,105	58,123	76	85	67	1,327
1923	138,259	78,309	59,950	77	85	69	1,306
1924	136,730	78,085	58,645	71	79	63	1,331
1925	134,652	76,902	57,750	72	80	63	1,332
1926	136,118	77,366	58,752	73	81	65	1,317
1927	138,017	78,652	59,365	65	72	57	1,325

¹ Midyear estimates.

² Exclusive of Rhode Island.

VITAL STATISTICS

No. 89.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES

NOTE.—See general note, p. 77. For number of deaths in each State see Table 84; for number in entire birth registration area see Table 88

Area	Number of births					Excess of births over deaths ¹			
	1920	1924	1925	1926	1927	1924	1925	1926	1927
Total birth registration area.....	1,508,874	1,990,614	1,878,880	1,856,088	2,137,886	993,690	848,362	762,657	861,031
White.....	1,395,523	1,762,872	1,751,669	1,707,034	1,925,585	860,531	803,481	722,125	896,027
Colored.....	113,351	167,742	147,211	149,054	212,251	87,089	44,881	40,432	64,104
Cities in birth registration area.....	763,209	979,277	964,302	953,985	1,030,194	442,278	408,352	364,143	418,863
White.....	725,136	917,281	902,580	891,646	950,503	430,322	397,764	356,396	408,508
Colored.....	38,073	62,046	61,722	62,339	79,691	11,956	10,588	7,747	10,355
Rural part of birth registration area.....	745,665	951,337	914,578	902,083	1,107,642	481,342	440,010	398,414	542,168
White.....	670,387	845,641	820,089	815,888	975,082	430,209	405,717	365,729	488,418
Colored.....	75,278	105,696	85,489	86,195	132,560	45,133	34,293	32,685	53,740
Alabama.....	(2)	(2)	(2)	(2)	67,431	(2)	(2)	(2)	40,369
White.....	(2)	(2)	(2)	(2)	45,869	(2)	(2)	(2)	29,695
Colored.....	(2)	(2)	(2)	(2)	21,562	(2)	(2)	(2)	10,774
Arizona.....	(2)	(2)	(2)	8,394	8,538	(2)	(2)	2,822	2,657
Arkansas.....	(2)	(2)	(2)	(2)	40,340	(2)	(2)	(2)	22,020
White.....	(2)	(2)	(2)	(2)	31,464	(2)	(2)	(2)	19,688
Colored.....	(2)	(2)	(2)	(2)	8,876	(2)	(2)	(2)	2,401
California.....	67,199	87,003	85,204	82,986	84,867	30,171	28,404	24,072	22,827
Connecticut.....	34,096	31,715	29,786	29,167	28,931	14,726	12,056	10,849	12,174
Delaware.....	(2)	4,420	4,074	4,199	4,263	1,405	1,559	782	1,266
District of Columbia.....	8,823	9,281	9,107	8,919	9,048	2,728	2,092	1,531	2,057
White.....	6,319	6,453	6,245	6,060	6,210	2,291	1,958	1,477	2,004
Colored.....	2,504	2,828	2,862	2,859	2,838	457	140	64	163
Florida.....	(2)	26,776	29,403	34,786	34,118	10,915	12,541	14,742	15,967
White.....	(2)	18,108	20,160	24,885	23,848	8,809	10,000	12,712	12,050
Colored.....	(2)	8,670	9,243	9,901	10,270	2,106	2,541	2,030	3,911
Idaho.....	(2)	(2)	(2)	9,317	9,172	(2)	(2)	5,446	5,385
Illinois.....	(2)	137,118	135,437	133,939	133,662	59,985	53,844	48,008	50,813
Indiana.....	64,809	67,842	64,342	62,788	62,298	30,680	25,710	22,772	24,621
Iowa.....	(2)	49,188	47,760	45,714	44,688	25,414	23,466	20,248	20,156
Kansas.....	39,632	37,929	36,710	35,137	34,730	20,031	18,135	16,037	16,148
Kentucky.....	62,888	66,646	63,607	60,591	62,323	39,840	35,120	30,839	33,114
White.....	58,747	62,284	59,088	56,449	58,871	39,979	35,858	31,804	35,485
Colored.....	4,141	4,362	4,519	4,142	4,052	1-159	1-259	1-665	1-371
Louisiana.....	(2)	(2)	(2)	(2)	46,208	(2)	(2)	(2)	22,333
White.....	(2)	(2)	(2)	(2)	28,796	(2)	(2)	(2)	16,918
Colored.....	(2)	(2)	(2)	(2)	17,412	(2)	(2)	(2)	5,415
Maine.....	17,328	18,477	17,453	16,493	16,947	7,723	6,661	5,078	5,389
Maryland.....	36,212	34,034	33,864	32,867	32,495	13,660	12,236	10,213	11,893
White.....	29,452	27,798	27,124	26,161	26,954	11,825	10,381	8,281	10,127
Colored.....	6,760	6,236	6,740	6,710	6,541	1,837	1,255	1,257	1,806
Massachusetts.....	91,692	91,487	86,037	83,483	82,271	42,129	34,316	30,885	32,986
Michigan.....	92,740	98,025	99,220	98,781	100,178	50,701	49,801	46,097	49,635
Minnesota.....	55,909	55,713	53,776	52,451	50,908	31,134	29,340	26,043	26,029
Mississippi.....	(2)	43,631	45,155	50,840	49,272	22,483	23,002	27,074	26,069
White.....	(2)	21,998	22,088	24,860	24,255	14,098	15,865	18,689	18,588
Colored.....	(2)	21,633	23,072	25,980	25,017	8,385	7,137	11,405	10,681
Missouri.....	(2)	(2)	(2)	(2)	66,432	(2)	(2)	(2)	25,679
Montana.....	(2)	10,212	10,234	9,845	9,799	5,242	5,046	4,450	4,487
Nebraska.....	30,911	30,066	29,233	28,284	27,865	17,678	16,740	15,638	15,496
New Hampshire.....	9,946	10,111	9,407	8,721	8,798	3,754	2,844	2,018	2,469
New Jersey.....	(2)	76,707	74,181	72,402	72,814	35,867	31,989	27,526	30,686
New York.....	235,243	233,206	229,717	222,914	227,603	93,001	87,217	71,569	80,704
North Carolina.....	81,407	67,540	83,718	82,202	83,300	54,302	51,168	47,640	50,418
White.....	67,054	60,280	67,681	66,584	67,655	40,511	37,979	35,627	37,701
Colored.....	14,353	17,260	16,037	15,618	15,645	13,791	13,189	11,973	12,717
North Dakota.....	(2)	14,231	14,471	14,003	14,707	9,379	9,429	9,590	9,406
Ohio.....	123,720	131,841	128,878	123,889	123,611	61,891	53,271	45,194	50,096
Oregon.....	14,942	15,705	15,486	14,754	14,623	6,200	5,857	4,897	4,417
Pennsylvania.....	220,462	223,103	215,120	207,696	210,001	109,782	99,375	87,159	98,749
Rhode Island.....	(2)	14,987	14,400	13,592	13,720	6,650	6,174	4,801	5,829
South Carolina.....	47,777	47,403	(2)	(2)	(2)	24,508	(2)	(2)	(2)
White.....	23,815	24,104	(2)	(2)	(2)	14,958	(2)	(2)	(2)
Colored.....	23,962	23,299	(2)	(2)	(2)	9,550	(2)	(2)	(2)

¹ A minus sign indicates an excess of deaths over births.² Not added to the birth registration area until a later date.³ Rhode Island was not in the birth registration area in 1920, South Carolina in 1925 to 1927.

No. 89.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES—CON.

Area	Number of births					Excess of births over deaths			
	1920	1924	1925	1926	1927	1924	1925	1926	1927
Tennessee.....	(3)	(3)	(3)	(3)	54,652	(3)	(3)	(3)	25,023
White.....	(3)	(3)	(3)	(3)	46,821	(3)	(3)	(3)	23,272
Colored.....	(3)	(3)	(3)	(3)	8,831	(3)	(3)	(3)	1,751
Utah.....	14,167	13,969	13,735	13,156	12,871	8,921	9,251	8,020	8,194
Vermont.....	7,400	7,407	7,509	7,143	7,022	2,547	2,372	1,928	2,140
Virginia.....	65,794	64,280	61,193	57,796	58,185	35,111	31,860	26,978	20,413
White.....	45,229	44,718	42,407	40,518	40,826	27,003	24,884	21,452	23,585
Colored.....	20,565	19,573	18,786	17,278	17,359	8,108	6,966	5,526	6,828
Washington.....	27,072	25,378	24,741	23,789	23,315	10,798	9,401	8,310	7,365
West Virginia.....	(2)	(2)	45,311	43,036	44,857	(2)	28,157	25,793	27,868
Wisconsin.....	58,697	59,351	57,324	55,666	57,570	31,101	27,944	25,476	28,003
Wyoming.....	(2)	5,226	4,833	4,388	4,472	3,163	2,937	2,480	2,490

¹ Not added to the birth registration area until a later date.

Source: Bureau of the Census, Department of Commerce.

No. 90.—BIRTHS, DEATHS, AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION IN THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 77

	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Total birth registration area:										
Births.....	24.6	22.3	23.7	24.3	22.5	22.4	22.6	21.4	20.0	20.6
Deaths.....	18.3	13.0	13.1	11.7	11.9	12.4	11.8	11.8	12.2	11.4
Excess.....	6.3	9.3	10.6	12.6	10.6	10.0	10.8	9.6	8.4	9.2
White:										
Births.....	24.0	22.1	23.5	24.0	22.2	22.1	22.2	21.1	20.3	20.2
Deaths.....	17.8	12.6	12.8	11.4	11.6	12.0	11.3	11.3	11.7	10.8
Excess.....	6.8	9.5	10.7	12.6	10.6	10.1	10.9	9.8	8.6	9.4
Colored:										
Births.....	24.5	25.2	27.0	27.9	26.0	26.3	27.4	26.7	26.2	25.0
Deaths.....	26.8	18.5	18.4	15.9	16.3	17.7	18.1	18.6	19.1	17.5
Excess.....	1.2	6.7	8.6	12.0	9.7	8.6	9.3	8.1	7.1	7.5
Cities:										
Births.....	25.1	22.7	23.8	24.0	22.2	22.3	22.8	21.9	21.2	20.0
Deaths.....	10.9	13.8	14.0	12.2	12.4	12.9	12.5	12.6	13.1	12.4
Excess.....	5.2	8.9	9.8	11.8	9.8	9.4	10.3	9.3	8.1	8.5
Rural:										
Births.....	24.0	22.0	23.0	24.7	22.8	22.5	22.4	20.0	20.1	20.4
Deaths.....	16.7	12.2	12.2	11.2	11.3	11.9	11.1	10.9	11.2	10.4
Excess.....	7.3	9.8	11.4	13.5	11.5	10.6	11.3	10.0	8.9	10.0

¹ Excess of deaths over births.

Source: Bureau of the Census, Department of Commerce.

No. 91.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION, BY STATES

NOTE.—See general note, p. 77

Area	Births per 1,000 population							Excess of births over deaths per 1,000 population					
	1920	1921	1922	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
Total birth registration area:													
White.....	23.7	24.3	22.5	22.4	22.6	21.4	20.6	20.9	10.0	10.8	9.8	8.4	8.2
Colored.....	23.5	24.0	22.2	22.1	22.2	21.1	20.3	20.2	10.1	10.9	9.8	8.6	9.4
Colored.....	27.0	27.9	26.0	26.3	27.4	26.7	26.2	25.0	8.0	9.3	8.1	7.1	7.5
Cities in birth registration area:													
White.....	23.8	24.0	22.2	22.3	22.8	21.9	21.2	20.9	9.4	10.3	9.3	8.1	8.5
Colored.....	23.8	23.0	22.1	22.2	22.5	21.7	20.9	20.6	9.8	10.5	9.6	8.3	8.8
Colored.....	24.0	25.4	23.7	25.2	27.6	27.0	26.3	25.5	3.2	5.3	4.6	3.3	3.3
Rural part of birth registration area:													
White.....	23.6	24.7	22.8	22.5	22.4	20.9	20.1	20.4	10.6	11.3	10.0	8.9	10.0
Colored.....	23.1	24.2	22.4	22.0	21.9	20.5	19.6	19.9	10.5	11.3	10.0	8.8	10.0
Colored.....	28.9	29.2	27.3	26.9	27.2	26.5	26.1	24.7	11.7	11.6	10.6	9.9	10.0

No. 91.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION, BY STATES—Continued

Area	Births per 1,000 population							Excess of births over deaths per 1,000 population ¹					
	1920	1921	1922	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
Alabama	(2)	(2)	(2)	(2)	(2)	(2)	(2)	26.5	(2)	(2)	(2)	(2)	15.9
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	26.5	(2)	(2)	(2)	(2)	17.9
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	26.4	(2)	(2)	(2)	(2)	12.1
Arizona	(2)	(2)	(2)	(2)	(2)	(2)	18.9	18.6	(2)	(2)	(2)	6.4	5.8
Arkansas	(2)	(2)	(2)	(2)	(2)	(2)	(2)	21.0	(2)	(2)	(2)	(2)	11.5
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	22.1	(2)	(2)	(2)	(2)	13.7
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	17.7	(2)	(2)	(2)	(2)	4.9
California	19.3	20.2	19.8	21.1	22.2	20.4	19.2	19.0	6.8	7.7	6.8	5.5	5.7
Connecticut	24.5	24.0	21.5	20.3	21.1	18.9	18.2	17.7	8.8	9.8	7.7	6.8	7.5
Delaware	(2)	22.4	20.6	19.7	19.0	19.6	17.5	17.5	5.7	6.0	6.5	3.1	5.1
District of Columbia	19.9	20.5	20.7	18.9	19.1	17.7	16.9	16.7	4.0	5.6	4.1	2.9	3.8
White	19.1	19.5	19.6	17.7	17.4	16.0	15.0	15.0	5.4	6.2	5.0	3.7	4.6
Colored	22.5	23.5	23.9	22.6	24.1	23.2	23.0	22.4	-0.3	3.7	1.2	0.4	1.2
Florida	(2)	(2)	(2)	(2)	21.8	23.3	25.4	25.0	(2)	8.9	10.0	11.2	11.7
White	(2)	(2)	(2)	(2)	21.9	23.5	27.7	25.5	(2)	10.7	11.7	14.2	13.8
Colored	(2)	(2)	(2)	(2)	21.7	22.9	23.7	23.9	(2)	5.3	6.3	4.9	7.0
Idaho	(2)	(2)	(2)	(2)	(2)	(2)	17.8	17.2	(2)	(2)	(2)	10.4	10.1
Illinois	(2)	(2)	20.0	19.4	19.9	19.1	18.6	18.3	7.4	8.7	7.6	6.8	6.9
Indiana	22.0	23.0	21.4	21.7	22.3	20.8	20.1	19.8	8.8	10.1	8.3	7.3	7.8
Iowa	(2)	(2)	(2)	(2)	20.3	19.7	18.9	18.4	(2)	10.5	9.7	8.4	8.3
Kansas	22.3	23.3	21.6	21.8	21.0	20.3	19.3	19.0	10.8	11.1	10.1	8.8	8.8
Kentucky	26.0	27.6	25.4	26.3	26.9	25.3	24.0	24.6	14.4	16.1	14.0	12.1	13.9
White	23.8	25.6	23.6	24.4	24.7	23.9	22.4	23.0	16.3	17.8	15.5	12.5	12.2
Colored	17.6	19.0	15.9	15.5	19.5	19.8	19.4	19.2	-4.0	-0.6	-1.0	-3.1	-1.8
Louisiana	(2)	(2)	(2)	(2)	(2)	(2)	(2)	23.0	(2)	(2)	(2)	(2)	11.6
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	23.1	(2)	(2)	(2)	(2)	13.6
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	22.9	(2)	(2)	(2)	(2)	7.9
Maine	22.5	22.9	22.6	22.6	23.7	22.2	20.8	20.6	7.6	9.0	8.5	6.4	6.8
Maryland	24.8	25.1	23.2	23.0	22.8	21.7	20.8	20.3	8.3	9.0	7.8	6.5	7.1
White	24.3	24.4	22.4	22.1	21.8	20.8	19.7	19.4	8.7	9.3	8.4	6.7	7.6
Colored	27.5	28.7	26.8	27.6	27.5	26.4	26.5	25.5	6.2	7.3	4.9	4.8	4.9
Massachusetts	23.6	23.5	22.1	22.1	22.3	20.8	19.6	19.4	9.1	10.3	8.3	7.4	7.8
Michigan	25.0	25.3	23.2	23.4	24.1	23.2	22.5	22.3	11.0	12.5	11.7	10.2	11.0
Minnesota	23.3	23.6	23.1	22.5	22.0	20.6	19.8	19.0	12.4	12.3	10.9	10.1	9.8
Mississippi	(2)	25.8	24.3	24.0	24.4	25.2	28.4	27.5	12.6	12.6	12.3	15.1	14.5
White	(2)	27.6	24.7	24.5	25.7	25.9	29.1	28.4	15.4	16.5	16.3	18.9	18.0
Colored	(2)	24.1	23.9	23.5	23.1	24.0	27.7	26.7	10.0	8.9	8.7	12.1	11.4
Missouri	(2)	(2)	(2)	(2)	(2)	(2)	(2)	18.9	(2)	(2)	(2)	(2)	7.3
Montana	(2)	(2)	18.3	17.1	16.2	15.2	14.2	13.7	9.1	8.3	7.5	6.4	6.2
Nebraska	23.7	24.5	23.5	22.6	22.4	21.3	20.4	20.0	13.1	13.2	12.2	11.3	11.1
New Hampshire	22.4	22.8	21.9	20.8	22.5	20.8	19.2	19.3	6.7	8.3	6.3	4.4	5.4
New Jersey	(2)	24.1	22.5	22.1	22.3	20.6	19.7	19.4	9.8	10.4	8.9	7.5	8.2
New York	22.5	22.7	21.6	21.2	21.1	20.6	19.7	19.9	8.2	8.4	7.8	6.3	7.6
North Carolina	31.6	33.8	30.9	31.3	32.2	29.8	28.8	28.8	19.3	20.0	18.2	16.7	17.4
White	31.7	33.8	30.3	30.7	31.5	29.1	28.0	28.0	20.8	21.1	19.2	17.6	18.3
Colored	31.3	34.5	32.2	32.7	33.8	31.4	30.7	30.5	17.2	17.4	15.9	14.4	15.0
North Dakota	(2)	(2)	(2)	(2)	21.0	22.6	23.2	22.9	(2)	14.6	14.7	14.0	14.3
Ohio	21.3	21.9	20.4	21.0	21.2	19.6	18.8	18.4	8.7	10.0	8.2	6.9	7.4
Oregon	18.9	19.3	18.4	18.2	18.8	17.9	16.8	16.4	7.3	7.4	6.7	5.6	4.9
Pennsylvania	25.1	25.8	23.8	23.0	24.3	22.7	21.6	21.6	10.6	11.9	10.5	9.1	10.2
Rhode Island	(2)	23.6	23.1	23.0	22.4	21.2	19.6	19.5	9.2	9.0	9.1	6.9	8.3
South Carolina	28.2	29.5	26.9	25.4	26.9	(2)	(2)	(2)	13.6	13.9	(2)	(2)	(2)
White	28.8	29.9	27.1	26.4	27.3	(2)	(2)	(2)	16.9	16.9	(2)	(2)	(2)
Colored	27.7	29.1	26.7	24.4	26.5	(2)	(2)	(2)	10.3	10.9	(2)	(2)	(2)
Tennessee	(2)	(2)	(2)	(2)	(2)	(2)	(2)	22.0	(2)	(2)	(2)	(2)	10.3
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	22.3	(2)	(2)	(2)	(2)	12.3
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	20.5	(2)	(2)	(2)	(2)	9
Utah	31.2	31.6	29.6	28.6	28.8	27.3	25.6	24.7	19.1	18.4	18.4	15.6	15.6
Vermont	21.0	22.5	21.3	20.8	21.0	21.3	20.3	19.9	5.6	7.2	6.7	5.5	6.0
Virginia	28.3	29.9	27.3	26.8	26.5	24.6	22.9	22.9	14.0	14.5	12.8	10.7	11.6
White	27.8	29.4	26.9	26.2	25.9	23.9	22.3	22.3	15.2	15.6	14.0	11.9	12.3
Colored	29.7	31.1	28.9	28.2	27.9	26.4	24.7	24.4	11.0	11.5	9.8	7.8	8.5
Washington	19.8	19.6	18.0	17.6	17.4	16.4	15.6	14.9	7.9	7.4	6.3	5.4	4.7
West Virginia	(2)	(2)	(2)	(2)	(2)	27.7	26.3	26.4	(2)	(2)	(2)	(2)	16.4
Wisconsin	22.2	23.0	21.4	21.5	21.4	20.1	19.3	19.7	10.8	11.2	9.8	8.3	9.6
Wyoming	(1)	(1)	25.1	23.4	24.1	21.1	18.6	18.6	13.1	14.6	12.8	10.5	10.4

¹ A minus sign indicates an excess of deaths over births.

² Not added to the birth registration area until a later date.

³ Not in the birth registration area in 1920.

⁴ Not in the birth registration area in 1925, 1926, and 1927.

Source: Bureau of the Census, Department of Commerce.

No. 92.—BIRTHS AND STILLBIRTHS, BY LEGITIMACY: BY STATES, 1927

Area	Births ¹			Stillbirths			Stillbirths per 100 live births		
	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate
Birth registration area ²	1,971,198	1,918,084	53,114	77,704	72,981	4,723	3.9	3.8	8.0
White	1,765,612	1,736,700	28,912	62,011	60,208	1,803	3.5	3.5	0.3
Colored	205,686	171,274	24,412	15,693	12,773	2,920	7.0	7.1	11.1
Alabama	67,431	62,696	4,735	3,319	2,902	417	4.9	4.6	8.8
White	45,838	45,229	609	1,616	1,574	42	3.7	3.6	6.6
Colored	21,593	17,467	4,126	1,703	1,328	375	7.2	6.8	9.2
Arizona	8,538	8,429	109	257	247	10	3.0	2.9	0.2
Arkansas	49,340	38,977	1,363	1,854	1,696	158	4.6	4.4	11.0
White	51,464	31,093	20,371	1,100	1,076	24	3.5	3.5	3.2
Colored	3,876	7,914	3,622	745	620	125	3.4	7.8	13.0
Connecticut	28,931	28,493	438	966	930	36	3.4	3.4	3.7
Delaware	4,263	4,055	208	162	141	21	3.8	3.5	10.1
District of Columbia	9,043	8,483	560	448	380	68	5.0	4.0	11.1
White	6,210	6,091	119	228	222	6	3.7	3.6	5.0
Colored	2,833	2,392	441	220	158	62	7.3	6.0	12.7
Florida	34,118	32,522	1,596	2,273	2,019	254	6.7	6.2	15.9
White	23,848	23,475	373	1,000	970	30	4.2	4.1	8.8
Colored	10,270	9,047	1,223	1,273	1,049	224	12.5	11.6	17.8
Idaho	9,172	9,092	80	220	216	4	2.4	2.4	5.0
Illinois	133,662	131,468	2,194	4,693	4,600	93	3.5	3.5	4.2
Indiana	62,298	61,361	937	1,936	1,871	65	3.1	3.0	6.9
Iowa	44,688	43,987	701	1,283	1,261	22	2.0	2.0	3.1
Kansas	34,730	34,214	516	1,118	1,090	28	3.2	3.2	5.4
Kentucky	62,323	61,240	1,077	2,035	1,904	131	3.3	3.1	12.2
White	58,871	57,563	718	1,744	1,681	63	3.0	3.0	3.8
Colored	4,052	3,677	375	291	223	68	7.2	6.0	13.8
Louisiana	46,208	43,234	2,974	2,489	2,222	267	5.4	5.1	0.0
White	28,796	28,565	231	1,065	1,060	5	3.7	3.7	3.4
Colored	17,412	14,670	2,742	1,424	1,172	252	3.2	7.0	2.9
Maine	16,347	16,898	449	641	617	24	3.0	3.0	5.3
Maryland	32,495	30,838	1,657	2,342	2,069	273	7.2	6.7	16.5
White	25,954	25,509	445	1,603	1,580	23	6.2	6.0	13.7
Colored	6,541	5,329	1,212	739	549	190	11.3	10.3	15.7
Michigan	100,178	98,238	1,940	3,834	3,707	127	3.8	3.8	0.5
Minnesota	50,908	49,866	1,042	1,512	1,472	40	3.0	3.0	3.8
Mississippi	49,272	45,627	3,645	2,620	2,231	389	5.3	4.9	10.7
White	24,235	23,873	362	774	761	13	3.2	3.2	5.0
Colored	25,037	21,754	3,283	1,846	1,470	376	7.4	6.8	11.1
Missouri	66,432	64,623	1,809	3,026	2,826	200	4.6	4.4	11.1
Montana	9,799	9,603	196	314	306	8	3.2	3.2	5.9
Nebraska	27,865	27,395	470	889	868	21	3.2	3.2	4.5
New Hampshire	8,798	8,603	195	377	362	15	4.3	4.2	11.1
New Jersey	72,814	71,707	1,107	3,012	2,918	94	4.1	4.1	8.5
New York	227,603	224,491	3,112	9,399	9,190	209	4.1	4.1	7.7
North Carolina	83,330	78,299	5,031	3,570	3,114	456	4.3	4.0	9.0
White	67,635	66,463	1,172	1,802	1,744	58	3.1	3.1	4.9
Colored	15,695	11,836	3,859	1,768	1,370	398	6.9	6.3	10.2
North Dakota	14,707	14,449	258	426	417	9	2.9	2.9	3.5
Ohio	123,611	121,134	2,477	4,030	4,443	187	3.7	3.7	7.5
Oregon	14,623	14,402	221	444	436	8	3.0	3.0	3.6
Pennsylvania	210,061	204,782	5,279	7,732	7,324	408	3.7	3.6	7.8
Rhode Island	13,726	13,474	252	475	454	21	3.5	3.4	8.3
Tennessee	54,652	52,078	1,974	2,228	2,046	182	4.1	3.9	9.2
White	45,321	45,008	313	1,544	1,493	51	3.4	3.5	6.3
Colored	8,331	7,070	1,161	684	553	131	7.7	7.2	11.3
Utah	12,871	12,769	112	304	301	3	2.4	2.4	2.7
Vermont	7,022	6,866	156	218	208	10	3.1	3.0	6.4
Virginia	58,186	54,702	3,483	2,504	2,196	308	4.3	4.0	8.8
White	40,386	40,040	346	1,310	1,245	65	3.2	3.1	7.7
Colored	17,800	14,662	3,138	1,194	951	243	6.9	6.5	9.1
Washington	23,315	22,061	1,254	650	635	15	2.8	2.8	4.2
West Virginia	44,857	43,416	1,441	1,715	1,633	82	3.8	3.8	5.7
Wisconsin	57,670	56,482	1,088	1,628	1,573	55	2.8	2.8	5.1
Wyoming	4,472	4,424	48	131	127	4	2.9	2.9	3.3

¹ Stillbirths are excluded as in other tables.

² Exclusive of California and Massachusetts. These States do not require a statement of legitimacy of child.

No. 93.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES, BY STATES, FOR THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 77

Class or State	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births						
	1926	1927	1920	1922	1923	1924	1925	1926	1927
Total birth registration area.....	136, 118	138, 017	86	76	77	71	72	73	66
White.....	119, 449	116, 773	82	73	73	67	68	70	61
Colored.....	16, 669	21, 244	132	110	117	113	111	112	100
Cities (total).....	70, 784	66, 987	91	80	78	72	73	74	66
White.....	62, 852	57, 972	87	77	75	69	69	70	61
Colored.....	7, 932	9, 015	158	127	138	127	125	127	113
Rural part.....	65, 334	71, 030	81	72	76	69	70	72	64
White.....	56, 597	58, 801	76	69	72	65	67	69	60
Colored.....	8, 737	12, 229	118	102	106	105	101	101	92
Alabama.....	(1)	4, 340	(1)	(1)	(1)	(1)	(1)	(1)	64
White.....	(1)	2, 419	(1)	(1)	(1)	(1)	(1)	(1)	55
Colored.....	(1)	1, 921	(1)	(1)	(1)	(1)	(1)	(1)	52
Arizona.....	1, 017	1, 111	(1)	(1)	(1)	(1)	(1)	121	130
Arkansas.....	(1)	2, 456	(1)	(1)	(1)	(1)	(1)	(1)	61
White.....	(1)	1, 769	(1)	(1)	(1)	(1)	(1)	(1)	56
Colored.....	(1)	687	(1)	(1)	(1)	(1)	(1)	(1)	77
California.....	5, 202	5, 257	74	71	73	67	69	63	62
Connecticut.....	2, 102	1, 701	92	77	77	69	73	72	59
Delaware.....	392	361	(1)	100	104	95	91	93	79
District of Columbia.....	733	611	91	85	92	76	87	85	68
White.....	407	302	72	64	71	62	67	67	49
Colored.....	326	309	159	134	143	109	132	128	106
Florida.....	2, 602	2, 299	(1)	(1)	(1)	82	74	75	67
White.....	1, 539	1, 342	(1)	(1)	(1)	70	60	62	56
Colored.....	1, 063	957	(1)	(1)	(1)	107	105	107	93
Idaho.....	537	459	(1)	(1)	(1)	(1)	(1)	63	80
Illinois.....	9, 294	8, 605	(1)	76	82	71	73	69	64
Indiana.....	4, 543	3, 664	82	67	71	65	68	72	59
Iowa.....	2, 683	2, 478	(1)	(1)	(1)	55	50	50	55
Kansas.....	2, 298	1, 020	73	65	63	59	62	65	55
Kentucky.....	4, 574	3, 803	73	69	72	65	70	76	61
White.....	4, 080	3, 321	69	64	67	61	67	71	53
Colored.....	554	482	188	157	157	119	130	134	109
Louisiana.....	(1)	3, 578	(1)	(1)	(1)	(1)	(1)	(1)	77
White.....	(1)	1, 632	(1)	(1)	(1)	(1)	(1)	(1)	58
Colored.....	(1)	1, 789	(1)	(1)	(1)	(1)	(1)	(1)	108
Maine.....	1, 314	1, 308	102	86	89	81	76	80	80
Maryland.....	2, 803	2, 647	104	94	95	86	90	87	81
White.....	1, 943	1, 768	90	81	80	76	76	74	63
Colored.....	920	879	164	147	156	128	146	137	124
Massachusetts.....	6, 102	5, 310	91	81	75	68	73	73	66
Michigan.....	7, 623	6, 778	92	75	80	72	75	77	68
Minnesota.....	3, 019	2, 643	66	53	62	57	60	58	52
Mississippi.....	3, 558	3, 290	(1)	68	68	71	68	70	67
White.....	1, 400	1, 339	(1)	56	53	55	58	60	55
Colored.....	2, 098	1, 951	(1)	79	82	88	83	81	78
Missouri.....	(1)	3, 966	(1)	(1)	(1)	(1)	(1)	(1)	90
Montana.....	787	651	(1)	70	72	67	71	77	66
Nebraska.....	1, 673	1, 427	64	57	57	55	58	59	51
New Hampshire.....	636	600	88	80	93	80	76	79	69
New Jersey.....	5, 076	4, 467	(1)	79	72	70	69	70	61
New York.....	15, 721	13, 513	86	77	72	69	68	71	59
North Carolina.....	6, 769	6, 588	85	80	81	82	79	82	79
White.....	4, 022	3, 791	73	70	70	72	67	71	66
Colored.....	2, 747	2, 797	113	101	108	110	105	107	109
North Dakota.....	1, 832	932	(1)	(1)	(1)	67	72	69	63
Ohio.....	9, 407	7, 645	83	72	75	67	70	76	62
Oregon.....	774	605	62	58	57	54	51	53	48
Pennsylvania.....	17, 122	14, 486	97	88	90	79	82	82	69
Rhode Island.....	1, 114	913	(2)	85	94	80	73	82	67
South Carolina.....	(3)	(3)	116	93	96	102	(3)	(3)	(3)
White.....	(3)	(3)	83	67	70	77	(3)	(3)	(3)
Colored.....	(3)	(3)	148	119	125	127	(3)	(3)	(3)

1 Not added to the birth registration area until a later date.

2 Not in the birth registration area in 1920.

3 Not in the birth registration area in 1926, 1926, and 1927.

No. 93.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES, BY STATES, FOR THE BIRTH REGISTRATION AREA—Continued

Class or State	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births							
	1926	1927	1920	1922	1923	1924	1925	1926	1927	
Tennessee.....	(1)	3,885	(1)	(1)	(1)	(1)	(1)	(1)	(1)	71
White.....	(1)	2,945	(1)	(1)	(1)	(1)	(1)	(1)	(1)	64
Colored.....	(1)	942	(1)	(1)	(1)	(1)	(1)	(1)	(1)	107
Utah.....	986	600	71	60	59	64	60	75	54	54
Vermont.....	514	490	96	73	76	70	72	72	70	70
Virginia.....	4,830	4,302	84	77	84	78	81	84	75	75
White.....	2,000	2,551	72	65	70	60	63	73	62	62
Colored.....	1,338	1,841	110	102	115	104	111	111	106	106
Washington.....	1,352	1,162	66	62	67	66	66	66	56	56
West Virginia.....	3,505	3,227	(1)	(1)	(1)	(1)	80	82	72	72
Wisconsin.....	3,845	3,403	77	71	70	65	67	69	59	59
Wyoming.....	333	308	(1)	79	80	64	64	76	69	69
Hawaii.....	1,150	1,152	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Total for area having birth registration in 1917.....	96,420	83,372	86	77	77	71	73	75	65	65

¹ Not added to the birth registration area until later date.
² Not included in the total.
³ Not in the birth registration area.
⁴ Exclusive of Rhode Island.
Source: Bureau of the Census, Department of Commerce.

No. 94.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS, BY PRINCIPAL CAUSES, FOR THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 77

Cause of death	Deaths under 1 year of age per 1,000 births											
	Entire registration area						Registration area as of 1917 (exclusive of Rhode Island)					
	1920	1922	1923	1924	1925	1926	1927	1920	1924	1925	1926	1927
All causes under 1 year of age.....	85.8	76.2	77.1	70.8	71.7	73.3	64.6	86.1	70.8	72.8	75.1	64.5
Measles.....	1.0	.6	1.2	.8	.8	1.1	.4	1.0	.7	.4	1.2	.8
Scarlet fever.....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	(1)	.1
Whooping cough.....	3.0	1.4	2.4	2.1	1.8	2.3	1.9	3.0	2.1	1.6	1.6	1.8
Diphtheria ¹.....	.5	.5	.4	.3	.3	.2	.2	.5	.3	.8	.2	.2
Influenza and pneumonia.....	5.9	4.7	5.1	3.9	4.4	5.3	3.7	5.7	3.8	4.4	5.4	3.6
Dysentery.....	.4	.8	.3	.3	.3	.3	.3	.3	.2	.3	.3	.2
Erysipelas.....	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.4	.4
Tetanus.....	.1	.1	.1	.1	.1	.1	.1	.1	(1)	(1)	(1)	(1)
Tuberculosis (all forms).....	1.0	.9	.8	.6	.6	.6	.6	1.0	.7	.7	.7	.6
Syphilis.....	.9	.8	.8	.7	.7	.6	.7	.8	.6	.7	.0	.7
Convulsions.....	1.0	.8	.7	.7	.7	.6	.5	1.0	.8	.7	.6	.5
Bronchitis and broncho-pneumonia.....	9.6	9.0	8.8	7.8	7.7	8.8	6.4	10.1	8.2	8.0	9.4	6.8
Diseases of the stomach ²	1.2	.8	.7	.7	.6	.5	.5	1.1	.6	.8	.5	.6
Diarrhea and enteritis ³	14.9	11.7	11.5	9.2	11.2	9.7	7.8	15.2	9.0	11.2	9.6	7.3
Congenital malformations.....	6.2	5.3	6.3	6.1	6.2	6.2	5.6	6.4	6.2	6.3	6.3	6.2
Congenital debility and other diseases of early infancy.....	7.7	6.4	6.5	6.0	5.9	5.5	4.8	7.7	6.1	6.1	5.6	5.0
Premature birth.....	10.4	13.1	17.8	17.7	17.2	17.7	16.8	19.1	17.8	17.0	18.3	17.3
Injury at birth.....	3.7	4.5	4.6	4.8	4.9	4.9	4.8	3.9	4.8	4.9	4.9	5.1
External causes.....	1.0	.9	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	.9
Unknown or ill-defined diseases.....	2.5	2.6	2.4	2.4	2.2	2.3	3.1	2.5	2.2	2.0	2.1	2.0
All other causes.....	5.4	5.3	5.0	5.0	5.2	5.1	4.9	5.3	5.1	5.4	5.3	5.0

¹ Less than one-tenth of 1 per 1,000 births.
² Includes erup in 1920.
³ Excludes ulcer of the duodenum in 1920.
⁴ Includes ulcer of the duodenum in 1920.

Source of Tables 93 and 94: Bureau of the Census, Department of Commerce.

No. 95.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS ACCORDING TO AGE SUBDIVISIONS, FOR THE ENTIRE BIRTH REGISTRATION AREA AND FOR THE REGISTRATION AREA¹ AS OF 1917

NOTE.—See general note, p. 77

Age	Deaths under 1 year of age per 1,000 births											
	Entire registration area						Registration area as of 1917 ¹					
	1920	1922	1923	1924	1925	1926	1927	1920	1924	1925	1926	1927
Total under 1 year.....	85.8	78.2	77.1	70.8	71.7	72.3	64.8	66.1	70.8	72.8	75.1	64.5
Under 1 day.....	14.8	14.9	14.7	14.8	15.0	15.2	15.1	14.8	14.8	15.0	15.3	15.1
1 day.....	4.0	4.4	4.4	4.2	4.2	4.2	4.1	4.0	4.2	4.3	4.3	4.2
2 days.....	3.4	3.3	3.3	3.3	3.2	3.2	3.0	3.4	3.3	3.2	3.2	3.1
3 to 6 days.....	6.4	6.4	6.1	6.2	5.8	5.7	5.3	6.4	6.2	5.9	5.9	5.4
1 week.....	5.4	4.9	4.9	4.6	4.4	4.3	3.9	5.4	4.6	4.5	4.4	3.8
2 weeks.....	3.8	3.3	3.4	2.9	2.9	3.0	2.6	3.8	3.0	3.0	3.1	2.6
3 weeks.....	3.1	2.6	2.7	2.5	2.3	2.4	2.2	3.1	2.5	2.4	2.5	2.2
Under 1 month.....	41.5	39.7	39.5	38.6	37.8	37.9	36.1	41.5	38.7	38.3	38.6	36.5
1 month.....	7.3	6.2	6.4	5.8	5.8	6.0	5.1	7.2	5.8	5.9	6.2	5.1
2 months.....	5.7	4.8	4.9	4.4	4.6	4.7	4.0	5.7	4.4	4.7	4.7	4.0
3 to 6 months.....	12.1	10.7	11.2	9.5	10.3	10.4	8.6	13.2	9.5	10.5	10.6	8.5
6 to 8 months.....	10.0	8.2	8.4	6.9	7.5	7.9	6.1	10.1	6.8	7.5	8.2	5.9
9 to 11 months.....	8.3	6.6	6.8	5.6	5.8	6.5	4.7	8.5	5.6	5.9	6.8	4.5

¹ Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.

No. 96.—HOMICIDES AND SUICIDES: NUMBER AND RATE IN CITIES HAVING 100,000 POPULATION OR MORE IN 1900

Year	Estimated population, July 1	Homicides		Suicides	
		Number	Rate per 100,000 population	Number	Rate per 100,000 population
1900.....	14,133,877	481	3.4	2,090	14.9
1902.....	14,899,699	567	3.8	2,487	16.7
1903.....	15,286,581	636	4.2	2,753	18.0
1904.....	15,670,701	723	4.6	2,998	19.1
1905.....	16,104,214	933	6.1	3,126	19.4
1906.....	16,594,107	1,189	7.2	2,984	18.0
1907.....	17,072,832	1,455	8.5	3,319	19.4
1908.....	17,541,214	1,401	8.0	3,957	22.6
1909.....	18,018,210	1,252	6.9	3,772	20.9
1910.....	18,522,956	1,479	8.0	3,743	20.2
1911.....	18,958,147	1,505	7.9	3,880	20.5
1912.....	19,413,308	1,504	7.7	3,808	19.9
1913.....	19,847,428	1,722	8.6	3,957	19.9
1914.....	20,278,425	1,715	8.5	4,351	21.5
1915.....	20,729,640	1,698	8.2	4,455	21.5
1916 ¹	21,021,720	1,780	8.5	3,892	18.5
1917.....	21,616,460	2,061	9.5	3,816	17.7
1918.....	22,038,899	1,865	8.5	3,351	15.2
1919.....	22,563,206	2,006	8.9	3,229	14.3
1920.....	22,996,227	1,930	8.4	2,910	12.7
1921.....	23,330,469	2,168	9.3	3,731	16.0
1922.....	23,716,731	2,211	9.3	3,626	15.3
1923.....	24,151,350	2,455	10.1	3,892	15.3
1924.....	24,570,289	2,682	10.9	3,855	15.7
1925.....	24,979,551	2,808	11.2	4,000	16.0
1926.....	25,387,577	2,715	10.7	4,264	16.8
1927.....	25,856,136	2,771	10.7	4,492	17.4

¹ Excludes Memphis, Tenn.

No. 97.—BIRTH AND DEATH REGISTRATION: STATES INCLUDED IN REGISTRATION AREA WITH YEAR WHEN EACH WAS ADDED

Death registration States				Birth registration States			
State	Year	State	Year	State	Year	State	Year
Massachusetts	1880	Utah	1910	Connecticut	1915	California	1910
New Jersey		Kentucky	1911	Maine		Oregon	
Dist. of Col.		Missouri	1913	Massachusetts		South Carolina ¹	
Connecticut	1890	Virginia	1914	Michigan	1916	Nebaska	1920
Delaware ¹		Kansas	1916	Minnesota		Delaware	
New Hampshire		South Carolina	1917	New Hampshire		Mississippi	
New York	1900	Tennessee	1918	New York	1917	New Jersey	1921
Rhode Island		Illinois	1919	Pennsylvania		Illinois	
Vermont		Louisiana	1920	Rhode Island ²		Montana	
Maine	1906	Oregon	1919	Vermont	1916	Wyoming	1924
Michigan		Florida	1920	Dist. of Col.		Florida	
Indiana		Mississippi	1922	Maryland		North Dakota	
California	1908	Nebraska	1923	Indiana	1917	West Virginia	1925
Colorado		Georgia ⁴	1924	Kansas		Arizona	
Maryland		Idaho	1925	Kentucky		Idaho	
Pennsylvania	1909	Wyoming	1926	North Carolina	1917	Alabama	1927
South Dakota ³		Iowa	1927	Ohio		Arkansas	
Washington		North Dakota	1927	Utah		Louisiana	
Wisconsin	1910	Alabama	1928	Virginia	1917	Missouri	1927
Ohio		West Virginia	1929	Washington		Tennessee	
Minnesota		Arizona	1930	Wisconsin			
Montana		Arkansas	1931				
North Carolina ²							

¹ Dropped from the area in 1900; readmitted in 1919. ² Dropped from the area in 1910.
³ Included only municipalities having a population of 1,000 or more in 1900; remainder added in 1916.
⁴ State registration law declared unconstitutional; dropped from the area in 1925.
⁵ Dropped from the area in 1919; readmitted in 1921. ⁶ Dropped from the area in 1925.

NOTE.—The Territory of Hawaii was added to the death registration area in 1917, the Virgin Islands, to both the death and the birth registration areas in 1924.

Source: Bureau of the Census, Department of Commerce.

No. 98.—MARRIAGES AND DIVORCES: NUMBER AND RATIO OF DIVORCES TO MARRIAGES, CONTINENTAL UNITED STATES

NOTE.—Statistics for annulments were collected for the first time in 1926, when 3,825 annulments were reported representing 1 marriage annulled to every 47.3 marriages terminated by divorce. In 1927, 4,262 annulments were reported, representing 1 marriage annulled to every 46.2 marriages terminated by divorce.

Calendar year	Marriages, number	Divorces				Number of divorces per 1,000 marriages	
		Total number	Granted to husband		Granted to wife		
			Number	Per cent	Number		Per cent
1880	531,467	31,735	11,126	35.1	20,609	64.9	80
1890	542,537	33,401	11,625	34.7	21,836	65.3	82
1891	562,412	35,540	12,478	35.1	23,062	64.9	83
1892	577,870	36,579	12,577	34.4	24,002	65.6	83
1893	578,073	37,468	12,590	33.6	24,878	66.4	85
1894	566,161	37,568	12,551	33.4	25,017	66.6	86
1895	598,855	40,387	13,456	33.3	26,931	66.7	87
1896	613,873	42,937	14,448	33.6	28,489	66.4	70
1897	622,350	44,699	14,765	33.0	29,934	67.0	72
1898	625,655	47,849	15,983	33.4	31,861	66.6	76
1899	650,610	51,437	16,925	32.9	34,512	67.1	79
1900	685,284	55,761	18,620	33.4	37,131	66.6	81
1901	716,621	60,984	20,008	32.8	40,976	67.2	85
1902	746,733	61,480	20,056	32.6	41,424	67.4	82
1903	786,132	64,925	21,321	32.8	43,604	67.2	83
1904	781,145	66,199	22,189	33.5	44,010	66.5	85
1905	804,787	67,976	22,220	32.7	45,756	67.3	84
1906	853,290	72,002	23,455	32.5	48,547	67.5	84
1916	1,040,684	112,036	35,809	31.1	74,893	68.9	108
1922	1,134,151	148,815	47,359	32.0	100,416	68.0	121
1923	1,229,784	165,096	52,909	32.2	111,480	67.8	134
1924	1,184,574	170,952	52,984	31.5	115,828	68.5	144
1925	1,188,334	175,449	52,147	30.1	121,333	69.9	148
1926	1,202,574	180,863	52,834	29.5	128,033	70.5	150
1927	1,201,053	192,037	54,637	29.0	134,048	71.0	160

¹ Includes divorces for which the libellant was not reported. Percentages, however, are based on the total number for which libellant was reported.

Source: Bureau of the Census, Department of Commerce.

No. 99.—MARRIAGES, DIVORCES, AND ANNULMENTS: BY STATES

Division and State	Marriages				Divorces				Number of divorces per 1,000 marriages		Number of annulments, 1927
	Number		Per 1,000 of the population ¹		Number		Per 1,000 of the population ¹		1926	1927	
	1926	1927	1926	1927	1926	1927	1926	1927			
Continental United States.....	1,202,574	1,201,068	10.3	10.1	180,853	192,037	1.54	1.62	150	160	4,252
New England.....	61,899	61,824	7.7	7.6	7,459	7,820	.92	.96	120	126	111
Maine.....	6,376	6,270	8.1	7.9	1,213	1,311	1.54	1.65	190	209	6
New Hampshire.....	4,620	4,847	10.2	10.7	608	640	1.34	1.42	132	133	7
Vermont.....	2,805	2,786	8.0	7.8	397	397	1.13	.73	142	93	4
Massachusetts.....	30,584	30,408	7.3	7.2	3,307	3,459	.79	.82	108	114	63
Rhode Island.....	5,329	5,401	7.7	7.8	702	722	1.01	1.03	132	132	
Connecticut.....	12,285	12,063	7.6	7.4	1,232	1,425	.77	.87	100	118	26
Middle Atlantic.....	221,611	218,166	9.0	8.8	14,924	16,125	.61	.65	67	74	992
New York.....	120,965	118,719	10.7	10.4	4,674	5,000	.41	.44	39	42	871
New Jersey.....	28,424	28,816	7.7	7.6	2,544	3,041	.69	.81	90	107	65
Pennsylvania.....	72,222	71,180	7.5	7.3	7,706	8,084	.80	.89	107	114	56
East North Central.....	234,527	233,734	9.7	9.5	47,820	50,674	1.98	2.06	204	217	516
Ohio.....	55,147	59,296	8.4	8.8	13,976	14,646	2.12	2.18	253	247	77
Indiana.....	40,409	41,112	12.9	13.1	7,685	8,077	2.46	2.56	190	196	96
Illinois.....	82,529	80,222	11.5	11.0	14,125	14,384	1.96	2.05	171	187	216
Michigan.....	30,738	30,276	9.1	8.1	9,048	10,525	2.19	2.34	242	290	86
Wisconsin.....	16,654	16,813	5.8	5.8	2,866	2,442	.53	.84	143	145	41
West North Central.....	132,273	121,251	9.3	8.2	22,947	23,564	1.75	1.79	188	194	200
Minnesota.....	23,713	23,328	8.9	8.7	2,784	2,822	1.03	1.05	117	121	23
Iowa.....	20,906	21,048	8.7	8.7	4,080	4,226	1.68	1.74	195	201	30
Missouri.....	37,722	37,293	10.8	10.6	9,836	9,651	2.81	2.75	261	259	36
North Dakota.....	3,958	3,973	6.2	6.2	463	506	.76	.79	122	127	8
South Dakota.....	6,004	6,004	8.7	8.6	539	695	.85	.98	98	111	18
Nebraska.....	6,662	9,800	7.0	7.0	1,395	1,020	1.01	1.16	144	165	57
Kansas.....	20,253	19,890	11.1	10.8	3,780	4,074	2.08	2.28	187	206	33
South Atlantic.....	175,966	172,478	11.2	10.9	14,934	15,386	.95	.97	85	89	207
Delaware.....	1,109	1,154	4.6	4.7	201	193	.84	.67	181	141	2
Maryland.....	25,831	25,025	16.3	15.7	1,883	2,059	1.19	1.29	73	82	21
Dist. of Columbia.....	5,514	5,543	10.4	10.3	98	140	.18	.27	17	20	24
Virginia.....	21,945	22,163	8.5	8.7	3,000	3,000	1.19	1.18	141	135	27
West Virginia.....	18,275	19,287	10.9	11.4	1,668	2,135	1.20	1.26	109	111	53
North Carolina.....	22,691	22,204	7.9	7.7	1,591	1,642	.56	.57	70	74	29
South Carolina.....	23,971	25,433	13.1	13.8							6
Georgia.....	28,484	30,447	9.1	9.6	2,153	2,220	.69	.70	76	73	28
Florida.....	28,446	21,222	21.6	15.6	4,012	4,011	3.05	2.94	141	189	17
East South Central.....	120,092	123,140	12.9	13.2	15,443	15,119	1.66	1.79	129	131	43
Kentucky.....	28,585	30,321	11.3	11.9	4,510	4,614	1.79	1.82	158	153	14
Tennessee.....	32,692	33,613	13.2	13.5	4,652	4,878	1.90	1.96	143	145	13
Alabama.....	30,103	29,055	11.9	11.6	3,477	3,734	1.38	1.46	116	126	8
Mississippi.....	28,712	29,041	16.0	16.6	2,765	2,893	1.54	1.62	96	98	8
West South Central.....	146,179	149,355	12.7	12.8	29,487	31,066	2.57	2.67	202	208	266
Arkansas.....	28,260	26,710	14.8	13.9	4,741	4,400	2.49	2.29	168	165	8
Louisiana.....	20,751	19,441	10.3	10.3	1,856	1,725	.97	.89	89	87	16
Oklahoma.....	27,276	28,656	11.6	12.0	7,398	7,642	3.16	3.21	271	267	127
Texas.....	69,902	74,042	13.2	13.7	15,472	17,260	2.61	3.20	221	234	115
Mountain.....	38,693	41,666	9.8	10.3	8,576	9,754	2.18	2.43	222	235	206
Montana.....	5,133	5,356	7.5	9.8	1,277	1,316	1.84	2.40	246	246	30
Idaho.....	4,404	4,501	8.4	8.4	621	973	1.76	1.82	209	216	22
Wyoming.....	1,911	1,818	8.1	7.5	645	627	2.73	2.60	338	345	2
Colorado.....	11,957	11,969	11.3	11.1	2,288	2,370	2.16	2.21	191	198	74
New Mexico.....	4,476	4,748	11.5	12.1	537	646	1.38	1.65	120	136	7
Arizona.....	4,077	4,959	9.2	10.8	876	888	1.97	1.93	215	179	13
Utah.....	5,427	5,717	10.6	11.0	1,011	981	1.97	1.88	186	172	10
Nevada.....	1,228	2,398	15.9	31.0	1,021	1,953	13.19	25.23	831	814	39
Pacific.....	81,559	79,650	12.1	11.6	19,283	21,529	2.86	3.13	236	270	1,712
Washington.....	17,810	18,801	11.6	12.0	4,134	4,277	2.69	2.74	232	227	52
Oregon.....	7,985	7,862	8.1	8.3	3,084	3,117	3.62	3.50	435	423	81
California.....	56,664	53,487	13.1	12.1	12,065	14,135	2.80	3.19	213	264	1,620

¹ Based on estimated population for the given year shown in Table 11, p. 7.

² No divorces are granted in South Carolina.

Source: Bureau of the Census, Department of Commerce.

4. IMMIGRATION AND EMIGRATION

In compiling immigration statistics for the United States, Alaska, Hawaii, and Porto Rico, beginning 1904, 1901, and 1902, respectively, were included. In prior years the transfer of population between them and the United States was considered immigration

No. 100.—IMMIGRATION: 1821 to 1928

NOTE.—For 1821 to 1855 the figures represent alien passengers arriving; for 1856 to 1903, immigrants arriving; for 1904 to 1902, aliens admitted; for 1907 to date, immigrant aliens admitted. Data are for fiscal years ended June 30 except as noted; for periods they are totals, not annual averages

Period or year	Number		Year		Number		Year	
1821-1830 ¹	143, 439	1875	227, 498	1895	258, 536	1915	329, 700	
1831-1840 ²	596, 125	1876	100, 980	1896	343, 207	1916	208, 826	
1841-1850 ³	1, 715, 251	1877	141, 867	1897	280, 832	1917	206, 408	
1851-1860 ⁴	2, 511, 060	1878	188, 469	1898	229, 289	1918	110, 618	
1861-1870	2, 377, 279	1879	177, 826	1899	317, 716	1919	141, 132	
1871-1880	2, 812, 191	1880	457, 257	1900	448, 572	1920	430, 001	
1881-1890	5, 246, 613	1881	000, 431	1901	487, 918	1921	805, 228	
1891-1900	3, 687, 564	1882	788, 992	1902	648, 743	1922	309, 556	
1901-1910	8, 795, 886	1883	603, 322	1903	357, 046	1923	522, 919	
1911-1920	5, 735, 811	1884	518, 592	1904	312, 870	1924	706, 596	
1900-1904	3, 255, 149	1885	395, 346	1905	1, 026, 499	1925	294, 314	
1905-1909	4, 947, 239	1886	334, 203	1906	1, 100, 735	1926	804, 488	
1910-1914	5, 174, 701	1887	490, 100	1907	1, 285, 340	1927	335, 176	
1915-1919	1, 172, 679	1888	546, 889	1908	782, 870	1928	307, 255	
1920-1924	2, 774, 600	1889	444, 427	1909	751, 786	Calendar years:		
1870	387, 203	1890	455, 302	1910	1, 041, 570			1925	200, 725
1871	321, 359	1891	560, 319	1911	378, 587	1926	335, 295	
1872	404, 806	1892	579, 063	1912	538, 172	1927	323, 886	
1873	459, 803	1893	439, 730	1913	1, 197, 892	1928	290, 297	
1874	313, 339	1894	285, 631	1914	1, 218, 480			

¹ Oct. 1, 1820, to Sept. 30, 1830.

² Oct. 1, 1830, to Dec. 31, 1840.

³ Jan. 1, 1841, to Dec. 31, 1850.

⁴ Jan. 1, 1851, to June 30, 1860.

No. 101.—ADMISSIONS AND DEPARTURES OF ALIENS

Period or year ended—	Admitted			Departed			Excess of admissions over departures	
	Immigrant	Nonimmigrant	Total	Emigrant	Nonemigrant	Total	Immigrant over emigrant	Total
June 30:								
1910-1914, total.	5, 174, 701	901, 099	6, 075, 800	1, 442, 892	1, 810, 762	2, 759, 654	3, 731, 809	3, 316, 146
1915-1919, total.	1, 172, 679	440, 064	1, 612, 743	618, 223	602, 036	1, 180, 859	554, 450	431, 884
1920-1924, total.	2, 774, 600	810, 352	3, 584, 952	892, 984	723, 824	1, 616, 808	1, 881, 616	1, 968, 144
1908	782, 870	141, 825	924, 695	395, 073	319, 755	714, 828	387, 797	209, 867
1909	751, 786	192, 449	944, 235	225, 802	174, 590	400, 392	525, 984	543, 843
1910	1, 041, 570	156, 467	1, 198, 037	202, 438	177, 082	380, 418	839, 134	817, 619
1911	878, 587	151, 713	1, 030, 300	295, 066	222, 540	518, 215	582, 921	612, 085
1912	838, 172	178, 983	1, 017, 155	333, 262	282, 030	615, 292	604, 910	401, 863
1913	1, 197, 892	229, 335	1, 427, 227	308, 190	303, 734	611, 924	889, 702	815, 303
1914	1, 218, 480	184, 601	1, 403, 081	303, 338	330, 467	633, 805	915, 142	769, 276
1915	325, 700	107, 544	434, 244	204, 074	180, 100	384, 174	122, 626	50, 079
1916	298, 826	67, 822	366, 748	129, 765	111, 042	240, 807	169, 001	125, 941
1917	295, 403	67, 474	362, 877	66, 277	80, 102	146, 379	229, 126	210, 498
1918	110, 618	101, 235	211, 853	94, 585	98, 683	193, 268	16, 033	18, 585
1919	141, 132	95, 889	237, 021	123, 522	92, 700	216, 231	17, 639	20, 790
1920	430, 001	191, 575	621, 576	288, 315	139, 747	428, 062	141, 086	198, 514
1921	805, 228	172, 935	978, 163	247, 718	178, 313	426, 031	557, 510	552, 132
1922	309, 556	122, 949	432, 505	198, 712	146, 072	345, 384	110, 844	87, 121
1923	522, 919	150, 487	673, 406	81, 450	119, 130	200, 586	441, 469	472, 820
1924	706, 896	172, 406	879, 302	76, 789	139, 956	216, 745	630, 107	662, 557
1925	294, 314	164, 121	458, 435	92, 728	132, 762	225, 490	201, 580	232, 945
1926	304, 488	191, 618	496, 106	76, 992	150, 763	227, 755	267, 496	268, 351
1927	335, 176	202, 826	538, 001	73, 366	180, 142	253, 508	261, 839	284, 493
1928	307, 255	193, 376	500, 631	77, 467	199, 899	274, 359	229, 795	229, 795
Dec. 31:								
1926	336, 295	204, 095	540, 390	73, 179	163, 271	236, 450	263, 116	303, 940
1927	323, 885	197, 010	520, 895	75, 122	193, 750	268, 872	248, 763	252, 023
1928	290, 297	197, 385	487, 682	77, 599	194, 509	272, 108	212, 693	215, 574

Source of Tables 100 and 101: Commissioner General of Immigration, Department of Labor.

No. 102.—IMMIGRANT ALIENS ADMITTED AND ALIENS DEBARRED AND DEPORTED: YEARS ENDED JUNE 30

Period or year	Admitted	Debarred	Deported	Year			
				Admitted	Debarred	Deported	
1900-1904, total	3,255,140	29,499	2,510	1918	110,618	7,297	1,509
1905-1909, total	4,047,239	58,888	6,709	1919	141,132	8,026	3,008
1910	1,041,570	24,270	2,695	1920	430,001	11,795	2,762
1911	878,587	22,340	2,788	1921	805,228	13,779	4,517
1912	838,172	16,057	2,456	1922	309,556	13,731	4,345
1913	1,197,892	19,938	3,461	1923	522,910	20,619	3,661
1914	1,218,480	33,041	4,610	1924	706,896	30,284	6,409
1915	326,700	24,111	2,564	1925	294,314	25,890	9,495
1916	298,826	18,567	2,781	1926	304,488	20,550	10,904
1917	295,403	16,028	1,863	1927	335,175	19,755	11,662
				1928	307,255	18,839	11,025

No. 103.—IMMIGRANT ALIENS ADMITTED: BY OCCUPATION, AMOUNT OF MONEY BROUGHT, ETC., YEARS ENDED JUNE 30

	1910-1914, total	1915-1919, total	1920-1924, total	1925	1926	1927	1928
Occupations:							
Professional	62,124	41,308	79,309	10,481	10,861	11,542	10,931
Skilled	747,794	198,085	510,236	51,278	56,827	61,733	58,928
Unskilled	2,892,435	417,805	954,418	93,295	102,791	121,285	99,621
Commercial ¹	72,572	35,926	59,924	5,919	5,801	6,116	4,965
Miscellaneous	55,270	49,254	95,865	14,597	13,301	8,938	7,718
Bringing—							
Less than \$50	3,222,314	480,506	954,147	102,611	111,802	126,504	113,614
\$50 or more	674,931	378,449	822,386	111,827	119,879	131,446	119,501
Amount brought (\$1,000)	171,406	84,870	171,467	22,358	25,182	21,821	20,954
Passage paid by—							
Self	3,460,555	708,655	1,560,835	153,020	171,164	200,038	181,043
Relative	1,657,869	429,701	1,123,827	135,769	128,075	130,813	120,367
Others	56,277	34,323	80,938	5,525	5,249	4,324	5,845
Going to join—							
Relative	4,109,633	758,897	2,132,479	224,324	230,243	246,791	222,305
Friend	705,468	173,946	277,995	28,256	27,932	30,867	31,000
No one	298,600	239,838	364,126	41,734	46,263	57,517	53,950

¹ Agents, bankers, hotel keepers, manufacturers, and merchants and dealers.

No. 104.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED, BY SEX AND AGE; AND ILLITERACY OF IMMIGRANTS: YEARS ENDED JUNE 30

	1900-1909, total	1910-1914, total	1915-1919, total	1920-1924, total	1925	1926	1927	1928
ADMISSIONS								
Total	8,202,388	5,174,701	1,173,679	2,774,600	294,314	304,488	335,175	307,255
Males	5,710,052	3,442,917	688,881	1,577,496	163,252	170,567	194,163	165,977
Females	2,492,336	1,731,784	483,798	1,197,104	131,062	133,921	141,012	141,278
Males per 1,000 females	4,580	1,988	1,424	1,318	1,246	1,274	1,377	1,175
Under 16 years ¹	992,656	687,825	195,241	516,293	50,722	47,347	51,680	49,680
16 to 44 years ¹	6,803,052	4,220,546	853,348	2,003,406	213,980	228,527	254,574	230,892
45 years and over	406,680	257,330	124,090	254,841	29,612	28,614	28,912	26,743
Illiterates, number ²	1,924,780	1,143,206	116,749	75,281	1,930	2,804	5,513	5,916
Per cent	23.6	22.1	10.0	2.7	0.7	0.9	1.6	1.9
DEPARTURES³								
Total		1,442,892	618,223	892,984	92,728	76,992	73,366	77,457
Males		1,163,750	495,643	682,170	70,865	54,989	51,536	54,786
Females		279,142	122,580	210,814	21,863	22,003	21,830	22,671
Males per 1,000 females		4,109	4,043	3,236	3,241	2,499	2,361	2,417
Under 16 years ¹		69,018	38,883	39,280	4,414	3,347	2,986	3,500
16 to 44 years ¹		1,217,753	488,232	635,980	68,403	57,986	54,217	56,118
45 years and over		156,121	91,058	217,724	19,911	16,659	16,163	17,839

¹ Prior to 1918 the division point is 14 years.

³ Not available prior to 1903.

² Unable to read or write in any language.

Source of Tables 102, 103, and 104: Commissioner General of Immigration, Department of Labor.

No. 105.—IMMIGRATION, BY COUNTRY OF LAST PERMANENT RESIDENCE, 1831 TO 1920

NOTE.—For 1831 to 1867 figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving; for 1904 to 1906, aliens admitted; thereafter, immigrant aliens admitted. Owing to changes in the lists of countries separately reported and to changes in boundaries, data for certain countries are not comparable throughout. For immigration since 1920, rendered incomparable in many cases by changes in boundaries, see Table 106. Data are totals (not annual averages) for periods ended June 30 since 1870, Dec. 31 theretofore, except as noted

Country	1831-1840 ¹	1841-1850	1851-1860	1861-1870 ²	1871-1880	1881-1890	1891-1900	1901-1910	1911-1920
Total immigrants	599, 125	1, 718, 251	2, 698, 214	2, 314, 824	2, 812, 191	5, 246, 613	3, 637, 564	3, 795, 986	6, 735, 811
Total Europe	495, 688	1, 597, 501	2, 459, 060	2, 085, 270	2, 272, 262	4, 737, 046	3, 558, 078	3, 136, 018	4, 378, 564
Austria-Hungary	22	5, 074	4, 738	7, 800	72, 909	353, 719	592, 707	2, 145, 266	806, 342
Belgium	1, 063	539	3, 749	0, 734	7, 221	20, 177	18, 107	41, 035	33, 746
Denmark	45, 676	77, 202	70, 358	17, 094	31, 771	88, 132	50, 231	65, 285	41, 983
France	152, 454	434, 026	951, 067	737, 408	72, 200	60, 404	30, 770	73, 379	61, 897
Germany	40	16	31	72	718, 182	1, 462, 070	805, 152	341, 498	143, 945
Greece	2, 253	1, 870	9, 231	11, 725	55, 759	307, 309	651, 893	2, 045, 377	1, 109, 524
Italy	1, 412	3, 251	10, 789	9, 102	16, 541	53, 701	25, 758	43, 262	45, 718
Netherlands	1, 201	13, 903	20, 931	100, 208	95, 323	170, 580	95, 015	100, 505	65, 305
Norway	360	105	1, 164	2, 027	115, 922	391, 776	220, 200	249, 334	55, 074
Sweden	277	551	457	2, 512	12, 970	51, 806	96, 720	167, 519	4, 813
Poland ³	2, 125	2, 209	9, 203	6, 697	11	6, 348	12, 750	53, 008	13, 811
Rumania	829	550	1, 055	2, 638	39, 284	213, 282	505, 290	1, 597, 300	921, 057
Russia and Finland	4, 821	4, 644	25, 011	23, 286	16, 541	4, 419	8, 731	27, 935	68, 611
Spain	7	50	83	129	14, 082	16, 978	27, 508	69, 149	89, 732
Portugal	207, 381	780, 719	914, 119	435, 773	28, 293	81, 988	31, 179	34, 622	22, 091
Switzerland	2, 067	3, 712	33, 331	33, 769	87, 664	149, 309	44, 188	120, 469	73, 357
Turkey in Europe ⁴	185	1, 291	0, 319	4, 313	6, 631	12, 640	10, 557	17, 464	13, 107
Not specified	65, 347	229, 979	132, 100	341, 637	10, 142	108	0	0	0
Other Europe	40	79	5	8	1, 001	682	122	605	13, 425
Total Asia	48	82	41, 455	64, 630	123, 823	63, 380	71, 236	243, 567	192, 559
China ⁵	8	35	41, 307	64, 301	123, 201	61, 711	14, 709	20, 605	21, 278
Japan ⁶	180	180	180	180	149	2, 270	25, 942	129, 707	83, 837
Turkey in Asia ⁷	2	2	2	2	67	2, 220	26, 799	77, 393	79, 389
Other Asia ⁸	40	47	58	141	406	2, 179	3, 699	15, 772	8, 055
Total America	33, 424	62, 469	74, 720	160, 607	404, 044	423, 987	38, 972	361, 898	1, 143, 871
Canada and Newfoundland ⁹	13, 624	41, 723	59, 309	153, 878	383, 640	393, 304	3, 311	170, 226	742, 135
Mexico ¹⁰	6, 599	3, 271	3, 078	2, 191	5, 102	1, 913	971	49, 642	219, 004
Central America ¹¹	44	368	449	95	157	404	549	8, 192	17, 159
South America ¹²	850	3, 579	1, 224	1, 397	1, 128	2, 304	1, 075	17, 280	41, 899
West Indies ¹³	12, 301	13, 528	10, 660	9, 040	13, 957	29, 042	33, 060	107, 548	123, 424
Africa ¹⁴	54	55	210	312	358	857	350	7, 368	8, 443
Australia, Tasmania, and New Zealand	36	36	36	36	9, 886	7, 017	2, 740	11, 975	12, 348
Pacific Islands (not specified)	1, 028	1, 028	1, 028	1, 028	5, 557	780	1, 225	1, 049	1, 079
All other countries	69, 911	53, 144	29, 109	17, 969	790	790	14, 063	33, 523	1, 147

¹ Oct. 1, 1830, to Dec. 31, 1840.

² Jan. 1, 1861, to June 30, 1870.

³ From 1899 to 1910 Poland is included with Austria-Hungary, Germany, and Russia.

⁴ Includes Bulgaria and prior to 1920, Serbia and Montenegro.

⁵ Includes 1920 figures for Czechoslovakia and Yugoslavia.

⁶ Included in "All other countries" in 1892.

⁷ Included in "All other countries" in 1892; in "Other Asia" in 1893 and 1894.

⁸ Immigrants from Canada, Newfoundland, and Mexico not reported from 1886 to 1893, inclusive.

⁹ Included in "All other countries" in 1892 and 1893.

Source: Reports of the Commissioner General of Immigration, Department of Labor.

No. 106.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

NOTE.—Residence for a year or more is regarded as permanent

Country	Fiscal years ended June 30—								
	1910-1914, total			1915-1919, total			1920-1924, total		
	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess
All countries, total.	5, 174, 701	1, 442, 802	3, 731, 899	1, 172, 879	618, 223	554, 656	2, 774, 800	892, 884	1, 881, 616
Europe, total.	4, 524, 169	1, 176, 037	3, 348, 132	532, 391	421, 761	110, 630	1, 737, 308	768, 619	1, 028, 684
Albania.							1 250	1 284	1 -34
Austria.	575, 852	181, 404	394, 358	13, 322	7, 339	5, 984	25, 842	4, 716	21, 126
Hungary.	553, 801	174, 302	379, 439	11, 752	5, 864	5, 888	25, 262	32, 110	-6, 848
Belgium.	28, 450	4, 727	23, 723	4, 124	1, 047	3, 077	17, 939	5, 668	12, 268
Bulgaria.	24, 821	20, 514	4, 307	2, 350	5, 996	-3, 637	1, 914	7, 559	-5, 645
Czechoslovakia.							84, 245	38, 087	46, 158
Denmark.	33, 470	2, 804	30, 666	12, 360	2, 317	10, 043	21, 910	4, 110	17, 800
Estonia.							1 765	1 111	1 754
Finland.							14, 624	5, 704	8, 830
France.	43, 604	17, 008	26, 601	17, 831	17, 014	817	33, 484	12, 816	20, 668
Germany.	161, 195	27, 938	133, 257	13, 032	2, 227	10, 805	149, 103	15, 401	133, 702
Greece.	132, 212	70, 708	61, 504	65, 800	35, 106	30, 700	52, 144	51, 481	603
Italy.	1, 104, 833	405, 723	699, 110	125, 083	228, 842	-103, 759	400, 044	236, 985	223, 659
Latvia.							11, 473	1 67	11, 408
Lithuania.							12, 369	1 335	12, 034
Netherlands.	35, 734	2, 777	32, 957	10, 331	1, 925	8, 406	20, 603	3, 553	17, 050
Norway.	57, 079	9, 245	47, 834	22, 409	7, 885	14, 524	40, 891	8, 756	32, 135
Poland.							183, 881	102, 376	81, 505
Portugal.	51, 902	8, 477	43, 425	30, 587	11, 833	18, 754	41, 770	21, 749	20, 021
Rumania.	12, 851	2, 331	10, 520		855	360	61, 083	30, 863	24, 220
Russia.	1, 054, 608	153, 470	901, 138	52, 300	36, 354	16, 036	54, 692	26, 575	28, 117
Spain.	28, 631	8, 723	19, 908	24, 631	16, 870	7, 762	45, 077	20, 124	24, 953
Sweden.	89, 215	9, 340	79, 875	23, 742	6, 241	17, 501	57, 883	9, 934	47, 949
Switzerland.	18, 311	2, 817	15, 094	4, 028	1, 284	2, 744	21, 480	3, 825	17, 655
Turkey in Europe.	69, 652	10, 939	49, 712	1, 498	277	1, 221	15, 208	2, 671	12, 537
United Kingdom ¹ .	445, 940	53, 555	392, 385	92, 383	32, 182	60, 201	301, 471	48, 307	253, 164
England.	218, 767	29, 639	188, 828	50, 012	21, 364	28, 648	122, 675	32, 238	90, 337
Ireland.	137, 410	13, 346	124, 064	29, 035	5, 817	23, 218	81, 456	10, 472	70, 984
Scotland.	78, 391	9, 465	68, 926	10, 734	4, 567	6, 167	90, 809	5, 122	85, 687
Wales.	11, 372	805	10, 567	2, 602	434	2, 168	6, 631	475	6, 156
Yugoslavia.							43, 487	55, 296	-11, 809
Other Europe.	2, 100	90	2, 010	4, 418	795	3, 623	7, 812	3, 166	4, 646
Asia, total.	132, 041	32, 749	99, 292	66, 546	20, 016	46, 530	95, 572	49, 678	42, 894
China.	9, 800	12, 157	-2, 357	11, 110	10, 636	480	22, 723	22, 477	246
Japan.	30, 564	10, 692	19, 872	49, 561	6, 138	43, 423	22, 723	22, 477	246
India.	2, 795	747	2, 048	688		-186	1, 011	1, 044	567
Syria, Palestine, and Iraq.							12, 946	1 402	12, 454
Turkey in Asia.	83, 000	8, 560	75, 340	5, 668	646	5, 022	23, 769	6, 986	16, 783
Other Asia.	4, 982	593	4, 389	2, 518	1, 728	790	2, 887	660	2, 218
America, total.	508, 682	229, 925	278, 757	564, 345	173, 654	390, 691	883, 989	81, 042	802, 947
Canada and New- foundland.	329, 310	195, 872	133, 438	379, 309	95, 827	283, 482	526, 868	22, 980	503, 873
Central America.	6, 423	1, 984	4, 439	9, 209	2, 368	6, 841	8, 859	3, 377	5, 482
Mexico.	89, 358	4, 146	84, 212	96, 976	45, 510	51, 466	255, 774	23, 152	232, 622
South America.	18, 306	6, 318	11, 988	21, 632	4, 963	16, 669	25, 802	7, 331	18, 471
West Indies.	64, 023	21, 427	42, 596	56, 537	24, 850	31, 687	65, 771	24, 063	41, 708
Other America.	250	181	75	232	101	131	990	104	886
Africa.	5, 985	1, 161	4, 824	2, 852	460	2, 422	3, 917	672	3, 245
Australia, Tasmania, New Zealand.	5, 341	2, 854	2, 487	5, 939	1, 833	4, 106	6, 458	2, 804	3, 654
Pacific Islands, not specified.	483	98	320	578	499	77	361	160	192

¹ Figures for 1924 only. Data for prior years included with countries to which they formerly belonged.

Source: Annual Reports of the Commissioner General of Immigration, Department of Labor.

IMMIGRATION AND EMIGRATION

97

DEPARTED: BY COUNTRY OF LAST OR FUTURE PERMANENT RESIDENCE

residence. Excess of departures indicated by minus sign (-)

Fiscal years ended June 30--								Calendar year 1928		Country
1925		1926		1927		1928		Admitted	De-parted	
Admitted	De-parted	Admitted	De-parted	Admitted	De-parted	Admitted	De-parted			
294,314	92,728	304,488	76,992	335,175	79,366	307,255	77,487	290,297	77,599	All countries, total.
148,366	75,064	156,562	60,040	166,368	55,402	158,513	57,195	156,566	56,586	Europe, total.
79	334	158	314	243	237	263	90	308	92	Albania.
899	466	1,102	487	1,016	468	1,277	580	1,237	524	Austria.
616	875	906	871	813	841	857	920	954	927	Hungary.
726	459	718	491	764	482	698	485	692	560	Belgium.
140	208	175	88	222	130	158	110	210	82	Bulgaria.
2,462	2,723	2,953	2,301	3,540	2,276	3,571	2,070	3,078	2,047	Czechoslovakia.
2,444	562	2,549	691	2,605	536	2,473	540	2,404	594	Denmark.
131	5	132	15	139	14	139	11	138	34	Estonia.
480	464	491	519	438	536	473	585	460	608	Finland.
3,906	1,205	4,181	1,011	4,405	1,637	4,438	2,080	4,445	1,957	France.
46,968	3,040	50,421	3,908	48,513	4,748	45,778	6,645	45,294	7,549	Germany.
826	6,574	1,121	5,194	2,089	3,130	2,328	2,461	2,300	2,660	Greece.
6,293	27,151	8,253	19,980	17,297	17,769	17,728	17,324	18,016	15,047	Italy.
472	511	636	408	770	314	531	319	549	340	Latvia.
1,723	743	1,753	379	1,733	456	1,843	514	1,785	500	Lithuania.
5,975	1,765	5,766	2,087	6,008	1,786	5,660	1,686	5,793	1,378	Netherlands.
5,341	3,721	7,126	2,881	9,211	2,650	8,755	3,071	8,426	2,776	Norway.
619	3,600	666	2,926	567	2,347	584	1,358	516	2,344	Poland.
1,163	1,433	1,211	1,404	1,270	1,248	1,376	1,002	1,568	887	Portugal.
1,775	539	1,766	181	1,183	239	1,254	426	1,183	452	Rumania.
276	3,982	326	2,465	429	2,178	455	1,983	479	1,537	Russia.
8,365	1,123	8,513	1,150	8,287	1,115	8,051	1,282	8,208	1,329	Spain.
2,089	407	1,994	486	2,121	594	1,994	729	2,162	690	Sweden.
203	100	210	30	216	24	242	38	180	16	Switzerland.
58,822	9,825	50,425	7,349	52,214	7,693	45,228	8,876	42,008	9,989	Turk. in Europe.
13,897	6,681	10,509	4,921	9,990	4,904	7,338	6,039	7,230	6,708	U. Kingdom. ¹
26,050	1,133	24,897	1,059	28,545	1,214	25,268	1,300	22,962	1,545	England.
12,378	1,958	13,661	1,332	12,611	1,441	11,085	1,493	11,657	1,693	Ireland.
897	53	1,268	37	1,068	44	1,635	39	1,329	43	Scotland.
724	2,464	1,059	2,342	1,100	1,911	1,386	1,941	1,418	1,740	Wales.
537	90	663	54	722	32	720	57	760	66	Yugoslavia.
3,878	5,411	3,413	4,981	3,869	6,007	3,380	6,073	3,541	5,485	Other Europe.
1,937	3,412	1,751	2,989	1,471	4,179	1,320	4,364	1,332	3,824	Asia, total.
723	1,212	654	1,208	723	1,205	550	1,085	678	1,039	China.
65	128	93	113	102	120	102	156	100	139	Japan.
670	479	679	381	1,054	327	1,058	322	1,082	350	India.
51	89	37	169	60	74	59	61	62	60	Syria, Palestine, and Iraq.
132	91	190	71	259	96	291	85	287	67	Turkey in Asia.
141,496	11,561	144,398	11,486	161,872	11,303	144,261	13,620	129,071	14,899	Other Asia.
102,753	2,580	93,368	2,456	84,580	2,440	75,281	3,061	65,551	2,866	America, total.
1,199	661	1,374	566	1,771	721	1,751	758	1,542	739	Canada and Newfoundland.
32,964	2,964	43,316	3,198	67,721	2,957	59,016	3,957	54,276	5,340	Central America.
2,470	1,331	3,107	1,425	3,777	1,453	4,166	1,600	3,822	1,677	Mexico.
2,106	4,035	3,222	3,839	4,019	3,732	4,058	4,244	3,879	4,268	South America.
4		0		4		9		1		West Indies.
412	154	529	126	520	112	475	141	489	185	Other America.
416	503	556	391	712	508	578	425	610	428	Africa.
46	35	35	19	34	34	28	13	20	16	Australia, Tasmania, New Zealand.
										Pacific Islands, not specified.

¹ Figures for 1924 to 1928 include Irish Free State.

No. 107.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DE

NOTE.—Excess of departures indicated by minus sign (—).

Race or people	Fiscal years ended June 30—								
	1910-1914, total			1915-1919, total			1920-1924, total		
	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess
Total	5,174,701	1,442,892	3,731,809	1,172,879	818,228	564,456	2,774,600	892,984	1,881,616
African (black)	33,527	6,603	26,924	29,736	7,092	22,644	48,092	8,239	34,853
Armenian	30,960	4,104	26,796	3,620	2,485	1,135	20,659	1,871	18,988
Bohemian and Moravian (Czech)	47,143	5,182	41,961	2,799	1,187	1,612	17,650	8,072	9,578
Bulgarian, Serbian, Montenegrin.	60,180	35,846	24,334	8,141	7,128	1,013	14,509	43,069	-28,560
Chinese	9,061	11,967	-2,896	9,324	10,207	-883	19,374	21,884	-2,510
Croatian and Slovenian.	162,693	59,480	103,213	3,094	2,666	428	23,611	18,398	5,213
Cuban	17,038	7,964	9,074	12,620	8,424	4,196	6,490	5,278	1,212
Dalmatian, Bosnian, Herzegovinian.	22,652	4,021	18,631	632	180	452	2,166	3,375	-1,209
Dutch and Flemish.	64,832	9,097	55,785	23,446	4,878	18,568	42,936	9,820	33,116
East Indian	2,824	675	2,149	360	649	-289	1,046	779	267
English	267,713	48,262	219,451	146,945	40,730	100,215	207,885	47,433	280,452
Finnish	67,717	15,637	42,080	17,866	4,737	13,119	15,311	6,037	9,274
French	96,439	18,567	77,872	75,997	21,824	54,173	148,132	17,527	130,605
German	393,930	67,420	296,510	45,795	5,206	40,500	223,894	20,712	203,182
Greek	192,247	76,093	116,154	71,313	36,218	36,095	59,076	51,833	7,243
Hebrew	495,469	33,031	462,428	65,674	3,112	62,562	286,560	2,344	284,216
Irish	183,471	19,005	164,466	74,163	11,540	62,628	149,781	12,747	137,034
Italian (north)	174,871	64,304	110,567	21,671	17,273	4,398	67,105	32,296	34,809
Italian (south)	971,366	352,486	618,880	122,991	214,081	-91,090	401,834	205,941	195,893
Japanese	30,788	10,759	20,029	46,499	6,012	40,487	37,304	17,907	19,397
Korean	276	320	-44	720	221	499	447	179	268
Lithuanian	100,050	17,181	82,869	4,011	1,105	2,906	6,672	11,322	-4,650
Magyar	146,045	72,833	73,212	5,103	2,830	2,273	30,034	33,460	-3,426
Mexican	82,588	3,434	79,154	91,075	44,768	46,307	249,248	22,058	227,190
Pacific Islander	88	12	76	44	20	24	63	16	47
Polish	581,079	145,735	436,244	18,076	9,577	8,499	62,603	90,471	-26,868
Portuguese	47,742	7,472	40,270	30,671	11,565	19,106	42,591	22,241	20,350
Rumanian	65,300	19,881	45,419	2,919	1,219	1,700	11,467	36,495	-25,028
Russian	165,002	51,904	103,098	16,073	20,008	-13,935	21,628	17,472	4,156
Ruthenian	134,911	21,464	113,447	6,661	925	4,736	5,438	1,687	3,751
Scandinavian (Norwegians, Danes, and Swedes).	204,287	40,812	163,475	80,033	21,507	58,526	137,719	25,205	112,514
Scotch	110,820	16,572	94,248	56,743	11,422	45,321	161,379	8,673	152,706
Slovak	132,165	58,983	73,182	3,010	3,100	-99	56,625	33,509	23,116
Spanish	43,081	13,805	29,276	42,116	22,334	19,782	60,110	24,810	35,300
Spanish-American	6,302	2,103	4,199	11,458	3,223	8,235	13,760	6,490	7,270
Syrian	35,519	5,219	30,300	3,860	955	2,905	12,288	5,737	6,551
Turkish	8,245	6,244	2,001	985	636	349	1,125	2,740	-1,615
Welsh	12,100	1,444	10,656	4,052	1,016	3,036	8,423	659	7,764
West Indian (other than Cuban).	5,990	2,523	3,467	5,095	2,365	2,730	7,753	3,418	4,335
Other peoples	17,181	5,369	11,812	7,923	3,020	4,903	6,912	5,137	1,775
Not specified	99,042		-87,290		36,730	-51,527			

Source: Annual reports of the Commissioner General of Immigration, Department of Labor.

No. 108.—IMMIGRANT ALIENS ADMITTED: PERCENTAGES, BY RACE OR PEOPLE, YEARS ENDED JUNE 30

Race or people	1910-1914	1920-1924	1925-1928	1927	1928	Race or people	1910-1914	1920-1924	1925-1928	1927	1928
Total.....	100.0	100.0	100.0	100.0	100.0	Italian (south).....	18.8	14.5	2.7	4.7	5.2
African (black).....	.6	1.6	.3	.3	.3	Japanese.....	.6	1.3	.2	.2	.2
Armenian.....	.6	.7	.3	.3	.3	Korean.....	(¹)	(¹)	(¹)	(¹)	(¹)
Bohemian and Moravian (Czech).....	.9	.6	.6	.7	.4	Lithuanian.....	1.9	.2	.1	.2	.1
Bulgarian, Serbian, and Montenegrin.....	1.2	.5	.2	.2	.2	Magyar.....	2.8	1.1	.3	.3	.4
Chinese.....	.2	.7	.4	.3	.3	Mexican.....	1.6	9.0	16.1	19.9	18.8
Croatian and Slovenian.....	3.1	.9	.2	.3	.3	Pacific Islander.....	(¹)	(¹)	(¹)	(¹)	(¹)
Cuban.....	.3	.2	.5	.6	.7	Polish.....	11.2	2.3	1.2	1.3	1.4
Dalmatian, Bosnian, Herzegovinian.....	.4	.1	(¹)	(¹)	(¹)	Portuguese.....	.9	1.5	.3	.3	.3
Dutch and Flemish.....	1.3	1.5	1.0	.9	.9	Rumanian.....	1.3	.4	.1	.1	.1
East Indian.....	.1	(¹)	(¹)	(¹)	(¹)	Russian.....	3.0	.8	.4	.4	.4
English.....	5.2	10.7	13.6	12.0	10.9	Ruthenian.....	2.6	.2	.2	.1	.1
Finnish.....	1.1	.6	.2	.2	.2	Scandinavian (Norwegians, Danes, Swedes).....	3.9	5.0	6.2	5.7	6.1
French.....	1.9	5.3	6.7	5.3	5.3	Scotch.....	2.1	5.8	8.3	7.6	7.5
German.....	7.0	8.1	18.0	16.9	17.6	Slovak.....	2.6	2.0	.4	.3	.7
Greek.....	3.7	2.1	.6	.8	.8	Spanish.....	.8	2.2	.3	.3	.3
Hebrew.....	9.6	10.3	3.5	2.4	3.8	Spanish-American.....	.1	.5	.9	1.0	1.1
Irish.....	3.5	5.4	13.5	13.9	12.4	Syrian.....	.7	.4	.2	.2	.2
Italian (north).....	3.4	2.4	.7	.8	.9	Turkish.....	.2	(¹)	(¹)	(¹)	.1
						Welsh.....	.2	.3	.4	.4	.6
						West Indian (other than Cuban).....	.1	.3	.1	.1	.2
						Other peoples.....	.3	.2	.1	.1	.2

¹ Less than one-tenth of 1 per cent.

Source: Commissioner General of Immigration, Department of Labor.

No. 109.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED: BY RACE OR PEOPLE AND BY SEX, YEAR ENDED JUNE 30, 1928

NOTE.—For totals of both sexes combined, by race, see Table 107.

Race or people	Admitted		Departed		Race or people	Admitted		Departed	
	Male	Female	Male	Female		Male	Female	Male	Female
Total.....	185,977	141,278	54,788	22,671	Japanese.....	358	164	753	302
African (black).....	453	493	353	431	Korean.....	19	3	30	9
Armenian.....	294	798	35	12	Lithuanian.....	107	210	229	122
Bohemian and Moravian.....	625	623	910	411	Magyar.....	501	611	630	394
Bulgarian, Serbian, and Montenegrin.....	245	280	1,189	257	Mexican.....	37,965	10,800	2,709	1,164
Chinese.....	668	263	4,049	251	Pacific Islander.....	2		1	2
Croatian and Slovenian.....	330	608	456	78	Polish.....	2,381	1,857	2,191	855
Cuban.....	1,551	507	875	407	Portuguese.....	562	282	1,176	254
Dalmatian, Bosnian, Herzegovinian.....	46	49	224	137	Rumanian.....	162	281	625	233
Dutch and Flemish.....	1,573	1,807	648	436	Ruthenian (Rus- sian).....	600	649	476	166
East Indian.....	37	1	104	2	Scandinavian (Nor- wegians, Danes, Swedes).....	234	177	46	13
English.....	16,894	16,763	4,786	3,994	Scotch.....	11,716	6,948	2,509	1,261
Finnish.....	244	300	391	256	Slovak.....	11,454	11,723	1,229	1,039
French.....	9,926	8,037	965	950	Syrian.....	1,191	1,006	581	165
German.....	29,222	24,935	4,360	3,720	Spanish.....	592	426	2,193	385
Greek.....	606	2,152	2,184	341	Spanish-American.....	2,052	1,438	1,069	651
Hebrew.....	5,311	6,323	184	69	Syrian.....	226	387	162	70
Irish.....	19,412	18,781	802	787	Turkish.....	72	71	98	18
Italian (north).....	1,169	1,484	1,201	425	Welsh.....	1,016	707	67	28
Italian (south).....	5,637	10,450	13,823	2,008	West Indian (except Cuban).....	192	202	290	495
					Other peoples.....	262	222	166	22

Source: Commissioner General of Immigration, Department of Labor.

No. 110.—ALIENS ADMITTED: BY CLASSES UNDER IMMIGRATION ACT OF 1924 AND BY REGION OF BIRTH, YEARS ENDED JUNE 30

Class	All countries		Europe		Asia		Canada and Newfoundland	
	1927	1928	1927	1928	1927	1928	1927	1928
All classes, total	538,001	500,631	316,828	312,803	20,029	20,174	55,443	69,890
Nonimmigrants, total	95,704	99,632	53,969	55,877	10,342	9,806	9,441	10,115
Government officials, their families, attendants, etc.....	5,683	6,343	2,274	2,563	767	904	93	74
Temporary visitors.....	60,508	64,581	37,656	40,098	2,731	2,878	5,406	5,416
In transit through United States.....	28,312	27,257	13,045	12,678	6,030	5,150	3,850	4,018
To carry on trade under existing treaty.....	1,201	1,446	364	538	814	874	2	7
Nonquota immigrants, total	234,227	247,768	107,254	106,131	8,691	9,215	76,002	59,775
Wives and children of United States citizens ¹	13,505	25,761	17,354	24,320	1,027	1,201	-----	2
Returning residents.....	95,910	94,502	70,997	73,705	6,720	7,227	2,237	2,672
Natives of nonquota countries and their wives and children.....	159,735	124,122	1,034	727	20	17	73,728	57,633
Professors and ministers and their wives and children.....	1,853	1,404	1,570	1,134	210	190	8	10
Students.....	1,833	1,816	1,057	1,086	509	520	3	15
Veterans of the World War and their wives and children.....	6,381	104	6,223	104	115	-----	26	-----
Spanish subjects admitted into Porto Rico.....	10	55	10	55	-----	-----	-----	-----
American Indians born in Canada.....	-----	4	-----	-----	-----	-----	-----	4
Quota immigrants, total	168,070	153,231	155,605	150,795	996	1,163	-----	-----
			Mexico	West Indies	Central and South America ²	Other countries		
All classes, total	81,732	62,649	16,671	17,396	11,190	11,559	6,118	6,160
Nonimmigrants, total	2,774	3,500	9,289	10,026	5,021	5,416	4,868	4,890
Government officials, their families, attendants, etc.....	234	261	1,027	1,012	1,086	1,355	202	173
Temporary visitors.....	1,780	2,349	6,555	7,033	3,166	3,377	3,094	3,430
In transit through United States.....	760	890	1,701	1,975	708	678	1,568	1,268
To carry on trade under existing treaty.....	-----	-----	6	6	1	7	14	14
Nonquota immigrants, total	78,948	59,149	6,679	6,809	6,050	6,041	603	648
Wives and children of United States citizens ¹	-----	-----	53	98	7	17	64	63
Returning residents.....	1,730	693	3,917	3,880	807	901	336	423
Natives of nonquota countries and their wives and children.....	77,155	58,453	2,635	2,745	5,147	5,011	16	6
Professors and ministers and their wives and children.....	1	1	8	13	5	3	42	44
Students.....	5	2	59	67	23	19	90	107
Veterans of the World War and their wives and children.....	1	-----	7	-----	4	-----	5	-----
American Indians born in Canada.....	-----	-----	-----	-----	-----	-----	-----	-----
Quota immigrants, total	-----	-----	703	561	119	100	647	622

¹ In 1928 includes husbands of United States citizens.

² Includes Greenland, Miquelon, and St. Pierre.

Source: Commissioner General of Immigration, Department of Labor.

No. 111.—IMMIGRATION QUOTAS AND ALIENS ADMITTED AND CHARGED TO QUOTAS: BY NATIONALITY, YEARS ENDED JUNE 30

Note.—Both immigrant and nonimmigrant aliens may appear in quota law statistics, or aliens of both classes may not be counted against quotas at all, as shown by Table 110. Changes in quotas between 1923 and 1924 were necessitated by changes in boundaries and other adjustments. For national origin of the white population of United States and immigration quotas based thereon as provided in the immigration act of 1924, effective July 1, 1923, see Tables 116 and 117.

Country or region	Under immigration act of 1921				Under immigration act of 1924				
	1923		1924		Quota ¹	Number admitted			
	Quota	Number admitted	Quota	Number admitted		1925	1926	1927	1928
Total.....	357,803	335,480	357,803	357,642	164,667	145,971	157,432	158,070	153,291
Albania.....	288	288	288	288	100	67	98	99	100
Armenia (Russian).....	230	230	230	230	124	47	65	123	58
Austria.....	7,451	7,558	7,342	7,342	785	701	703	815	786
Belgium.....	1,593	1,593	1,593	1,593	612	505	507	518	514
Bulgaria.....	302	295	302	302	100	50	93	102	100
Czechoslovakia.....	14,357	14,357	14,357	14,357	3,073	2,556	3,150	3,168	2,948
Danzig, Free City of.....	301	263	301	301	225	212	223	241	211
Denmark.....	5,619	5,225	5,619	5,619	2,789	2,523	2,712	2,621	2,558
Estonia.....	1,348	241	1,348	1,224	124	113	116	128	122
Finland.....	3,921	3,921	3,921	3,921	471	406	408	456	435
Fiume, Free State of.....	71	67	71	66	100	100	100	100	100
France.....	5,729	5,034	5,729	5,729	3,954	3,481	3,838	3,942	3,683
Germany.....	67,607	49,258	67,607	67,607	51,227	45,760	51,036	49,702	47,833
Great Britain, Ireland ²	77,342	77,342	77,342	77,342	34,007	30,461	31,132	31,090	32,053
Greece.....	3,294	3,294	3,063	3,063	100	95	96	96	103
Hungary (including Sopron District).....	5,638	5,638	5,747	5,747	473	357	471	465	468
Iceland.....	75	59	75	43	100	64	61	73	60
Irish Free State.....	42,057	42,057	42,057	42,057	28,667	27,112	27,590	29,997	27,093
Italy.....	1,540	1,513	1,540	1,540	3,845	2,002	3,808	3,823	3,926
Latvia.....	1,540	1,513	1,540	1,540	142	127	137	136	148
Lithuania (including Memel and a part of Pinsk region).....	2,460	2,460	2,629	2,629	344	332	341	341	347
Luxemburg.....	92	92	92	92	100	93	95	99	93
Netherlands.....	3,607	3,607	3,607	3,607	1,648	1,500	1,640	1,566	1,588
Norway.....	12,202	12,202	12,202	12,202	6,453	6,118	6,291	6,123	6,944
Poland (including Eastern Galicia and part of Pinsk region).....	31,146	29,730	30,977	30,977	5,982	4,873	6,386	5,972	6,120
Portugal (including Azores and Madeira Islands).....	2,465	2,465	2,465	2,465	503	474	493	459	498
Rumania.....	7,419	7,419	7,419	7,419	603	595	601	597	603
Russia, European and Asiatic (excluding barred zone).....	24,405	24,405	24,405	24,405	2,243	2,141	2,158	2,147	2,231
Spain (including Canary Islands).....	912	912	912	912	131	127	126	128	134
Sweden.....	20,042	19,867	20,042	20,042	9,561	8,961	9,233	8,906	8,605
Switzerland.....	3,752	3,752	3,752	3,752	2,081	1,869	1,910	1,903	1,874
Yugoslavia.....	6,426	6,426	6,426	6,426	671	489	589	654	665
Palestine.....	57	57	57	57	100	61	93	90	100
Syria.....	923	923	882	882	100	88	93	96	100
Turkey (European and Asiatic).....	2,388	2,388	2,654	2,654	100	96	86	97	100
Africa (other than Egypt).....	122	122	104	104	1,100	110	111	140	145
Egypt.....	18	18	18	18	100	77	98	99	101
Australia.....	270	270	270	270	121	118	103	131	121
New Zealand and Pacific Islands.....	80	80	80	80	100	98	99	98	101
All others.....	288	285	299	299	1,000	293	457	572	423

¹ Quota for 1925, 1926, 1927, and 1928.

² Prior to 1925 figures include all Ireland; in 1925, 1926, 1927, and 1928, Northern Ireland only.

³ Figures for previous years included with Great Britain, Ireland.

Source: Annual Reports of the Commissioner General of Immigration, Department of Labor.

No. 112.—QUOTA AND NONQUOTA IMMIGRANTS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEAR ENDED JUNE 30, 1928

NOTE.—See headnote Table 111

Country	Quota immigrants	Nonquota immigrants			Country	Quota immigrants	Nonquota immigrants		
		From non-quota countries	Returning residents	Other exempt classes			From non-quota countries	Returning residents	Other exempt classes
All countries.....	153, 231	124, 122	94, 502	28, 144	Europe—Contd.				
Europe, total.....	150, 795	1 727	78, 705	28, 689	Sweden.....	3, 605	10	3, 278	96
Albania.....	108		401	187	Switzerland.....	1, 574	2	1, 253	95
Austria.....	840	5	900	208	Turkey in Europe.....	83		118	457
Belgium.....	568	0	746	101	Yugoslavia.....	1, 665		1, 453	878
Bulgaria.....	88		81	75	Other Europe.....	1, 004	2	309	143
Czechoslovakia.....	2, 939	1	2, 343	1, 231	America, total.....	661	123, 372	8, 143	260
Denmark.....	2, 557	2	1, 207	86	Canada and Newfoundland.....		57, 163	2, 572	40
Finland.....	485	2	1, 193	60	Mexico.....		58, 453	693	3
France.....	3, 548	26	3, 021	209	West Indies.....	601	2, 745	3, 886	178
Germany.....	47, 576	19	10, 295	383	Central and South America.....	88	5, 010	973	38
England.....	12, 102	227	8, 343	626	Other America.....	12	1	18	1
Northern Ireland.....	1, 908	6	293	47	Asia, total.....	1, 153	1 17	7, 227	1, 071
Scotland.....	14, 622	81	5, 461	202	China.....	148	5	1, 888	268
Wales.....	1, 747	4	434	52	India.....	103		88	76
Greece.....	104		1, 947	1, 080	Japan.....	17	2	4, 791	233
Hungary.....	507	1	642	446	Palestine.....	186	3	65	117
Irish Free State.....	27, 093	22	4, 008	127	Syria.....	131	3	161	310
Italy.....	4, 020	237	18, 594	12, 865	Turkey in Asia.....	71	1	157	811
Lithuania.....	386	2	284	245	Other Asia.....	497	3	77	158
Netherlands.....	1, 543	1	621	75	Africa.....	341	13	110	78
Norway.....	5, 944	12	2, 272	158	Australia.....	267	13	294	120
Poland.....	6, 129	0	2, 379	3, 009	Other countries.....	14		24	16
Portugal.....	498	14	2, 160	80					
Rumania.....	346	3	817	603					
Russia.....	2, 060	8	566	1, 012					
Spain.....	167	25	2, 698	287					

¹ Wives and children (born in quota countries) of natives of nonquota countries.

² Including Azores, Cape Verde, and Madeira Islands.

No. 113.—ARRIVALS AND DEPARTURES OF ALIENS AND CITIZENS

Class	1910-1914, average	1915-1919, average	1920-1924, average	1925-1928, average	1927	1928
Aliens and citizens:						
Arrivals.....	1, 488, 422	454, 192	963, 630	878, 161	916, 521	931, 586
Departures.....	904, 423	416, 948	588, 089	619, 310	623, 266	703, 931
Excess of arrivals.....	583, 999	37, 244	375, 541	258, 842	293, 255	227, 655
Aliens, total:						
Arrivals.....	1, 215, 160	322, 549	716, 990	498, 295	538, 001	500, 681
Departures.....	551, 931	236, 172	323, 362	245, 277	263, 508	274, 356
Excess of arrivals.....	663, 229	86, 377	393, 628	253, 016	274, 493	226, 325
Aliens, immigrant or emigrant:						
Arrivals.....	1, 034, 040	234, 536	554, 020	310, 308	335, 175	307, 255
Departures.....	288, 578	123, 645	178, 597	80, 136	73, 366	77, 457
Excess of arrivals.....	746, 362	110, 891	376, 323	230, 172	261, 809	229, 798
Aliens, nonimmigrant or nonemigrant:						
Arrivals.....	180, 220	88, 013	102, 070	187, 985	202, 820	193, 376
Departures.....	263, 352	112, 527	144, 765	165, 142	180, 142	196, 899
Excess of arrivals (+) or departure (-).....	-83, 132	-24, 514	+17, 305	+22, 843	+22, 694	-3, 523
Citizens:						
Arrivals.....	273, 262	131, 643	246, 640	379, 868	378, 523	430, 955
Departures.....	352, 492	180, 770	264, 727	374, 042	369, 788	420, 575
Excess of arrivals (+) or departures (-).....	-79, 230	-49, 133	-18, 087	+5, 826	+8, 732	+1, 380
Citizens permanently departed:						
Naturalized.....		1 4, 097	7, 097	4, 058	3, 230	3, 257
Native-born.....		1 44, 174	49, 117	20, 400	10, 547	18, 176

¹ Average for 1918 and 1919.

Source of Tables 112 and 113: Commissioner General of Immigration, Department of Labor.

No. 114.—ARRIVALS OF PASSENGERS AT THE PRINCIPAL PORTS FROM FOREIGN COUNTRIES: YEARS ENDED JUNE 30

NOTE.—Figures for immigrants and nonimmigrant aliens cover admissions only. In addition, there are debarréd aliens among the arrivals who, after being examined, are found inadmissible and returned to the countries whence they came

Port and class	1900-1909, average	1910-1914, average	1915- 1919, average	1920- 1924, average	1925	1926	1927	1928
United States, total	1,080,019	1,498,482	454,192	963,030	797,674	866,863	916,521	931,598
United States citizens.....	166,236	273,202	131,643	246,640	330,239	370,757	378,520	430,955
Immigrants.....	913,783	1,225,280	322,549	716,390	467,435	496,106	538,001	500,643
Nonimmigrant aliens.....	73,544	180,220	88,013	162,070	104,121	101,018	202,828	193,876
New York	819,848	1,048,710	193,358	671,942	458,189	531,700	568,919	599,372
United States citizens.....	128,988	173,578	55,192	161,265	219,861	263,170	269,028	299,276
Immigrants.....	690,141	759,791	100,970	321,403	137,492	149,289	166,510	157,887
Nonimmigrant aliens.....	63,719	115,341	37,194	89,274	100,829	110,241	132,283	133,217
Boston	64,942	78,396	18,034	30,329	17,969	18,942	19,555	22,361
United States citizens.....	12,351	11,498	2,723	4,486	6,098	7,577	7,251	10,936
Immigrants.....	47,013	62,474	8,801	24,188	9,023	8,025	8,080	5,680
Nonimmigrant aliens.....	4,678	9,925	1,510	1,675	2,839	3,340	4,224	5,995
Philadelphia	24,183	54,823	2,385	10,627	1,679	606	643	580
United States citizens.....	3,510	3,506	462	1,355	942	229	370	202
Immigrants.....	20,203	48,647	1,667	8,597	409	66	100	96
Nonimmigrant aliens.....	470	2,770	256	675	322	311	173	222
Baltimore	44,707	31,283	914	511	153	274	154	166
United States citizens.....	1,277	1,126	76	132	61	215	69	69
Immigrants.....	42,994	29,395	780	317	68	36	45	52
Nonimmigrant aliens.....	436	762	58	62	24	23	40	45
New Orleans	1,8,422	11,674	11,199	11,062	11,665	13,269	13,202	13,742
United States citizens.....	3,025	7,887	6,808	6,474	7,948	9,533	9,278	9,829
Immigrants.....	3,288	1,791	1,031	1,407	727	744	903	1,045
Nonimmigrant aliens.....	1,209	2,048	2,460	3,171	2,990	2,992	3,021	2,888
San Francisco	10,729	14,053	18,587	24,738	18,477	14,884	18,116	17,000
United States citizens.....	3,609	5,339	5,460	6,976	5,689	5,825	8,065	6,943
Immigrants.....	5,115	4,776	8,442	7,669	1,927	2,114	2,512	2,312
Nonimmigrant aliens.....	2,005	3,887	5,665	10,103	5,961	6,895	7,539	7,745
Seattle	1,4,837	4,627	6,911	8,733	5,879	5,548	6,748	5,286
United States citizens.....	1,667	794	814	1,739	1,923	1,996	3,164	2,306
Immigrants.....	3,136	2,208	3,938	4,046	1,233	1,444	1,011	522
Nonimmigrant aliens.....	1,734	1,625	2,369	2,948	2,220	2,108	2,583	2,458

¹ Average, 1906 to 1909.

Source: Annual Reports of the Commissioner General of Immigration, Department of Labor.

No. 115.—DEPARTURES OF PASSENGERS FROM THE UNITED STATES FOR FOREIGN COUNTRIES: YEARS ENDED JUNE 30

	1900- 1909, average	1910- 1914, average	1915- 1919, average	1920- 1924, average	1924	1925	1926	1927	1928
Total	487,425	604,423	418,943	588,086	494,566	549,813	600,235	623,296	703,031
Male	324,402	631,827	319,331	384,871	304,200	338,670	340,056	361,966	400,485
Female	163,023	272,595	97,017	203,217	190,305	211,143	250,279	261,330	297,446
Children ¹	52,455	99,348	39,053	75,863	51,199	51,547	50,470	59,723	55,237
Adults ¹	434,970	805,074	377,895	512,225	443,405	498,266	543,765	563,573	648,694
Cabin ²	193,822	457,514	209,593	323,302	346,392	364,771	399,033	410,125	455,214
Steerage ²	293,603	446,909	207,365	264,786	148,203	185,042	201,202	213,171	248,717

¹ Prior to 1910 the division point is 12 years, from 1910 to 1917, inclusive, 14 years, thereafter, 16.

² Figures include departures by rail via the Canadian and Mexican borders.

³ Prior to 1910 designated as "Other than cabin passengers."

Source: Prior to July 1, 1907, the Bureau of Statistics; subsequently, the Bureau of Immigration, Department of Labor.

No. 116.—NATIONAL ORIGIN OF THE WHITE POPULATION OF THE UNITED STATES: 1920

Note.—The table gives the national origin of the white population of the United States as determined as a basis for immigration quotas under the provisions of the Immigration Act of 1924. The percentage of the total white population derived from each country of origin is expressed in terms of the equivalent number of inhabitants. "Colonial Stock" is used to designate that portion of the white population which is descended from the population enumerated in the first census, taken in 1790; "post colonial stock," that which is descended from or consists of immigrants coming to the United States after 1790. Non-quota countries include Canada, Newfoundland, Mexico, Cuba, Haiti, the Dominican Republic, and the 16 independent Republics of Central and South America.

Country of origin	Number (in thousands)						Per cent distribution		
	Total	Colo- nial stock	Post-colonial stock				Total	Colo- nial stock	Post- colonial stock
			Total	Immi- grants	Child- ren of immigrants	Grand- children and lat- er gen- erations			
Total.....	94, 821	41, 289	53, 532	13, 713	19, 190	20, 629	100.0	100.0	100.0
Quota countries.....	89, 507	40, 324	49, 182	12, 071	17, 621	19, 490	94.4	97.7	91.9
Austria.....	843	14	829	300	415	108	.9	(1)	1.5
Belgium.....	778	602	176	68	62	61	.8	1.5	.3
Czechoslovakia.....	1, 715	55	1, 660	560	904	197	1.8	.1	3.1
Denmark.....	705	93	612	190	277	144	.7	.2	1.1
Estonia.....	69	69	69	34	28	7	.1	-----	.1
Finland.....	339	4	335	150	147	39	.4	(1)	.6
France.....	1, 842	707	1, 075	155	325	594	1.9	1.9	2.0
Germany.....	15, 489	3, 037	12, 452	1, 672	4, 051	6, 728	16.3	7.4	23.3
Great Britain and North- ern Ireland.....	39, 216	31, 804	7, 412	1, 365	2, 308	3, 789	41.4	77.0	13.8
Greece.....	183	183	183	135	47	1	.2	-----	.3
Hungary.....	519	-----	519	319	184	16	.5	-----	1.0
Irish Free State.....	10, 053	1, 822	8, 332	821	2, 098	5, 913	11.2	4.4	10.5
Italy.....	3, 462	-----	3, 462	1, 612	1, 671	178	3.7	-----	6.5
Latvia.....	141	-----	141	69	56	16	.1	-----	.3
Lithuania.....	230	-----	230	117	89	25	.2	-----	.4
Netherlands.....	1, 881	1, 367	515	133	205	176	2.0	3.3	1.0
Norway.....	1, 419	75	1, 343	364	597	382	1.5	.2	2.5
Poland.....	3, 893	9	3, 884	1, 814	1, 780	200	4.1	(1)	7.3
Portugal.....	263	24	239	104	105	30	.3	.1	.4
Rumania.....	176	-----	176	89	84	3	.2	-----	.3
Russia (Europe and Asia).....	1, 661	4	1, 657	767	762	127	1.8	(1)	3.1
Spain.....	150	38	112	50	25	37	.2	.1	.2
Sweden.....	1, 977	217	1, 760	626	775	360	2.1	.5	3.3
Switzerland.....	1, 019	389	630	119	204	308	1.1	.9	1.2
Syria and Lebanon.....	73	-----	73	42	31	-----	.1	-----	.1
Turkey.....	135	-----	135	103	31	-----	.1	-----	.3
Yugoslavia.....	504	-----	504	221	266	18	.5	-----	.9
All other quota countries.....	171	4	167	72	94	2	.2	(1)	.3
Nonquota countries.....	5, 314	964	4, 350	1, 641	1, 570	1, 139	5.6	2.3	8.1

¹ Less than one-tenth of 1 per cent.

No. 117.—IMMIGRATION QUOTAS ON BASIS OF NATIONAL ORIGIN

Country or area	Quota	Country or area	Quota	Country or area	Quota	Country or area	Quota
Total.....	153, 714	Egypt.....	100	Luxemburg.....	100	Siam.....	100
Afghanistan.....	100	Estonia.....	116	Monaco.....	100	South Africa.....	100
Albania.....	100	Ethiopia (Abyssinia).....	100	Morocco.....	100	Union of.....	100
Andorra.....	100	Finland.....	569	Muscat (Oman).....	100	Southwest Af- rica.....	100
Arabian penin- sula.....	100	France.....	3, 086	Nauru.....	100	Spain.....	252
Armenia.....	100	Germany.....	25, 957	Nepal.....	100	Sweden.....	3, 314
Australia.....	100	Great Britain and Northern Ireland.....	65, 721	Netherlands.....	3, 153	Switzerland.....	1, 707
Austria.....	1, 413	Greece.....	307	New Zealand.....	100	Syria and the Lebanon.....	123
Belgium.....	1, 304	Hungary.....	869	Norway.....	2, 377	Tanganyika.....	100
Bhutan.....	100	Iceland.....	100	New Guinea.....	100	Togoland (Brit. mandate).....	100
Bulgaria.....	100	India.....	100	Palestine (with Trans-Jordan).....	100	Togoland (Fr. mandate).....	100
Cameroon (Brit. mandate).....	100	Iraq.....	100	Persia.....	100	Turkey.....	226
Cameroon (Fr. mandate).....	100	Irish Free State.....	17, 853	Poland.....	6, 524	Pacific islands under Japa- nese mandate.....	100
China.....	100	Italy.....	5, 802	Portugal.....	440	Yugoslavia.....	845
Czechoslovakia.....	2, 874	Japan.....	103	Ruanda and Urundi.....	100		
Danzig, Free City of.....	100	Latvia.....	236	Rumania.....	295		
Denmark.....	1, 181	Liberia.....	100	Russia (Europe and Asia).....	2, 784		
		Liechtenstein.....	100	Samoa, Western.....	100		
		Lithuania.....	386	San Marino.....	100		

Source of Tables 116 and 117: Bureau of the Census; Department of Commerce.

5. EDUCATION

NOTE.—Population figures for 1922, 1924, and 1925 used in this section are unrevised estimates and therefore do not agree with revised figures shown in Table 6, p. 8. The differences affect only slightly the ratios based on population. For educational activities of the United States Veterans' Bureau, see p. 162

No. 118.—SUMMARY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: CONTINENTAL UNITED STATES

	1870	1880	1890	1900	1910
Total population.....	1 38,558,371	1 60,155,783	1 62,047,714	1 75,994,675	1 91,972,260
Population 5-17 years, inclusive.....	1 12,055,443	1 15,055,707	1 18,543,201	1 21,538,024	1 24,239,943
Per cent of total population.....	31.3	25.1	29.6	28.3	26.4
Pupils enrolled in public schools.....	6,871,522	9,867,505	12,722,581	15,608,110	17,813,852
Per cent of total population.....	17.82	19.07	20.32	20.40	19.37
Per cent of population 5-17, inclusive.....	57.00	65.50	68.61	71.93	78.49
Average daily attendance.....	4,077,347	6,114,143	8,153,635	10,622,772	12,827,307
Per cent of number of pupils enrolled.....	59.3	62.3	64.1	68.6	72.1
Average number of days schools in session.....	132.2	130.3	134.7	144.3	157.5
Average number of days attended per enrolled pupil.....	78.4	81.1	86.3	99.0	113.0
Number of teachers.....	200,515	286,593	363,922	423,062	523,210
Male.....	77,529	122,705	125,525	126,588	110,481
Female.....	122,980	163,798	238,397	296,474	412,729
Per cent male teachers.....	38.7	42.8	34.5	29.9	21.1
Salaries: Teachers, supervisors, and principals (thousands of dollars).....	37,795	55,886	91,708	137,405	253,757
Average annual salary per teacher.....	\$ 189	\$ 195	\$ 252	\$ 325	\$ 485
Total expenditure for education (thousands of dollars).....	63,397	78,095	140,507	214,965	426,250
Per capita of total population.....	\$ 1.64	\$ 1.56	\$ 2.24	\$ 2.84	\$ 4.64
Per capita of population 5-17, inclusive.....	\$ 5.20	\$ 5.16	\$ 7.63	\$ 9.98	\$ 17.51
Per capita of enrollment.....	\$ 0.23	\$ 0.71	\$ 11.04	\$ 13.87	\$ 23.93

	1920	1922	1924	1925	1926
Total population.....	1 105,710,620	2 109,248,393	2 112,078,611	2 113,493,720	2 117,135,000
Population 5-17 years, inclusive.....	1 27,728,788	2 28,627,201	2 29,345,911	2 29,705,264	2 30,064,621
Per cent of total population.....	26.2	26.1	26.2	26.2	25.6
Pupils enrolled in public schools.....	21,578,316	23,239,227	24,288,808	24,650,291	24,741,468
Per cent of total population.....	20.4	21.3	21.7	21.7	21.1
Per cent of population 5-17, inclusive.....	77.8	81.2	82.8	83.0	82.3
Average daily attendance.....	16,150,035	18,432,213	19,132,451	19,838,384	19,855,881
Per cent of number of pupils enrolled.....	74.8	79.3	78.8	80.5	80.3
Average number of days schools in session.....	161.9	164.0	168.3	169.6	169.3
Average number of days attended per enrolled pupil.....	121.2	130.6	132.5	136.5	135.9
Number of teachers.....	679,533	722,976	761,308	777,945	814,169
Male.....	95,666	118,085	128,731	131,164	138,510
Female.....	583,867	604,891	632,577	646,781	675,659
Per cent male teachers.....	14.1	16.3	16.9	16.9	17.0
Salaries: Teachers, supervisors, and principals (thousands of dollars).....	590,120	800,953	949,877	1,006,409	1,061,533
Average annual salary per teacher.....	\$ 871	\$ 1,106	\$ 1,227	\$ 1,252	\$ 1,277
Total expenditure for education (thousands of dollars).....	1,036,151	1,580,671	1,820,744	1,946,097	2,026,308
Per capita of total population.....	\$ 0.80	\$ 14.47	\$ 16.25	\$ 17.15	\$ 17.30
Per capita of population 5-17, inclusive.....	\$ 37.37	\$ 55.22	\$ 62.04	\$ 65.51	\$ 67.40
Per capita of enrollment.....	\$ 48.02	\$ 68.02	\$ 74.96	\$ 78.95	\$ 81.90

¹ Census enumeration as of June 1, 1870, to 1900, Apr. 15, 1910, and Jan. 1, 1920.

² Census estimates for July 1.

³ Figures do not agree with those in Tables 122 and 124, as the latter are based on estimated population 5 to 17 years of age.

⁴ Computed from number of teaching positions.

⁵ Computed from number of teaching positions plus supervisors and principals whose salaries are included.

Source: Bureau of Education, Department of the Interior.

**No. 119.—ELEMENTARY, COMMERCIAL, SECONDARY, NORMAL SCHOOL,
AND COLLEGE ENROLLMENTS: CONTINENTAL UNITED STATES**

Schools	1890	1900	1910	1920	1926
Elementary and kindergarten, total.....	14, 181, 415	16, 224, 784	18, 457, 228	20, 664, 488	28, 127, 102
Kindergartens (public and private).....	¹ 81, 227	225, 394	^{2,3} 185, 471	510, 049	727, 687
Public elementary schools (including public kindergartens).....	12, 519, 518	14, 983, 859	16, 898, 791	19, 378, 927	20, 984, 002
Private elementary schools (largely estimated).....	1, 661, 897	1, 240, 925	1, 558, 437	1, 485, 561	2, 143, 100
Secondary students, total.....	857, 813	686, 903	1, 111, 398	2, 494, 676	4, 132, 125
Public high schools.....	202, 003	519, 251	916, 061	⁴ 2, 199, 389	⁵ 3, 787, 486
Private high schools.....	94, 931	110, 797	117, 400	⁴ 213, 020	⁵ 295, 625
Preparatory schools (in colleges and universities).....	51, 749	56, 285	60, 042	59, 909	55, 632
Secondary students in normal schools.....	8, 170	9, 570	12, 890	22, 058	23, 402
College and normal students, total.....	156, 756	237, 650	355, 215	597, 457	1, 037, 469
Normal schools and teachers colleges (excluding secondary students).....	34, 814	69, 551	88, 561	135, 012	270, 206
Colleges, universities, and professional schools (excl. preparatory students).....	121, 942	167, 099	266, 654	462, 445	767, 263
Private commercial and business schools.....	78, 020	81, 549	156, 244	335, 161	⁶ 188, 868

¹ 1888.² 1909.³ See headnote, Table 127.² Public only.⁴ From State reports.⁵ 1925.

Source: Bureau of Education, Department of the Interior.

**No. 120.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACAD-
EMIES: CONTINENTAL UNITED STATES**

NOTE.—Data for public high schools are from reports received from the schools, 17,710 public high schools out of a total of 21,700 on record having furnished complete reports in 1926. The total enrollment in all high schools as reported by the State departments of education are shown for 1920 and 1926 in Table 119

	1890	1900	1910	1920	1924	1926
ALL HIGH SCHOOLS AND ACADEMIES						
Schools reporting.....	4, 128	7, 938	19, 994	16, 419	16, 951	20, 060
Total pupils.....	297, 894	630, 048	1, 032, 461	2, 041, 308	2, 754, 903	3, 313, 086
Per cent of total population.....	0. 47	0. 83	1. 12	1. 93	2. 45	2. 88
Number of persons 14 to 17 years of age in total population.....	5, 354, 653	6, 162, 405	7, 220, 298	7, 735, 841	7, 942, 053	8, 045, 161
Ratio of number of pupils to total number of age specified, per cent.....	5. 56	10. 24	15. 67	26. 38	34. 68	41. 18
PUBLIC HIGH SCHOOLS						
Schools reporting.....	2, 526	6, 005	10, 213	14, 326	14, 827	17, 710
Teachers, total.....	¹ 9, 120	20, 372	41, 667	² 87, 654	² 133, 395	² 183, 555
Men.....	3, 597	10, 172	18, 800	34, 306	48, 359	58, 406
Women.....	5, 280	10, 200	22, 777	63, 258	85, 036	105, 069
Pupils, total ³	202, 669	518, 251	915, 081	1, 867, 155	2, 598, 381	3, 065, 009
Boys.....	85, 451	216, 207	398, 525	822, 007	1, 182, 067	1, 445, 886
Girls.....	116, 321	303, 044	516, 556	1, 045, 148	1, 365, 314	1, 619, 123
Colored students (included above).....	5, 888	8, 895	12, 636	27, 631	51, 745	76, 713
First year.....	(⁴)	(⁴)	392, 505	742, 320	934, 192	1, 108, 158
Second year.....	(⁴)	(⁴)	247, 036	408, 736	602, 558	823, 101
Third year.....	(⁴)	(⁴)	163, 176	346, 634	506, 286	611, 986
Fourth year.....	(⁴)	(⁴)	111, 444	261, 399	396, 853	504, 355
Postgraduate.....	(⁴)	(⁴)		7, 936	8, 492	17, 310
Per cent of total population in public high schools.....	0. 32	0. 68	1. 00	1. 76	2. 26	2. 60
Number graduated during year, total.....	21, 882	61, 787	111, 363	230, 902	369, 236	484, 539
Boys.....	7, 682	22, 575	43, 657	90, 516	155, 698	190, 054
Girls.....	14, 190	39, 162	67, 706	140, 386	206, 538	244, 485

¹ Includes teachers not classified by sex.² Includes teachers in junior high schools as follows: 1920, men, 1,361, women, 5,069; 1924, men, 3,290, women, 11,697; 1926, men, 5,238, women, 18,444.³ Excluding 7th and 8th grades in junior high schools.⁴ No data.

No. 120.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: CONTINENTAL UNITED STATES—Continued

	1890	1900	1910	1920	1924	1926
PRIVATE HIGH SCHOOLS AND ACADEMIES						
Schools reporting.....	1,632	1,978	1,781	2,093	2,124	2,350
Teachers, total.....	7,209	10,117	11,146	14,840	15,793	18,025
Men.....	3,272	4,275	4,512	5,608	6,192	6,929
Women.....	3,937	5,842	6,634	9,248	9,511	11,096
Secondary students, total.....	94,931	110,797	117,400	184,153	210,529	248,070
Boys.....	47,584	55,784	55,474	84,222	100,116	114,017
Girls.....	47,347	55,013	61,926	99,931	110,406	134,053
Colored (included above).....		2,390	2,888	2,620	10,391	10,301
Total in schools for boys only.....			26,838	47,925	50,809	63,050
Total in schools for girls only.....			28,317	55,658	64,810	76,323
Total in coeducational schools.....			62,245	80,570	94,894	108,703

No. 121.—NORMAL SCHOOLS AND TEACHERS' COLLEGES (STATE, COUNTY, CITY, AND PRIVATE): CONTINENTAL UNITED STATES

	1900	1910	1920	1924	1926	1928
ALL NORMAL SCHOOLS AND TEACHERS' COLLEGES						
Number reporting.....	305	264	370	382	402	330
Instructors, total.....	4,307	5,914	9,638	12,517	14,231	14,462
Men.....	1,856	2,195	3,556	4,949	5,774	5,831
Women.....	2,511	3,719	5,977	7,568	8,457	8,631
Students in all courses, total.....	1,116,549	1,132,438	1,62,373	273,107	294,064	297,430
Men.....	47,851	37,823	29,107	53,351	63,093	61,573
Women.....	68,698	94,615	133,266	210,756	230,971	235,857
Students in normal courses, total.....	69,551	88,561	135,012	245,649	270,206	274,348
Men.....	24,167	10,740	10,068	42,532	54,221	52,054
Women.....	45,394	68,815	115,044	203,117	215,985	222,294
Graduates from normal courses during year.....	11,359	15,430	20,020	40,484	47,310	49,627
Enrollment in model schools.....	35,397	66,180	91,941	85,585	73,092	71,085
Volumes in libraries.....	807,963	1,521,528	2,380,373	2,026,023	3,225,994	3,530,032
Receipts, all sources (1,000 dollars).....	5,232	14,088	31,275	48,919	64,693	70,017
STATE NORMAL SCHOOLS AND TEACHERS' COLLEGES						
Number.....	127	151	182	190	203	206
Instructors.....	2,199	3,840	7,227	10,153	11,465	12,160
Students in all courses.....	1,60,309	1,94,143	140,382	230,228	259,893	297,184
Students in normal courses.....	41,655	71,447	118,601	219,906	243,647	240,533
TEACHERS' COLLEGES (INCLUDED ABOVE)						
Number.....			45	88	101	137
Instructors.....			2,559	6,022	7,422	9,058
Students in all courses.....			61,900	151,562	177,810	210,119
Students in normal courses.....			54,721	140,025	167,892	200,799
CITY AND COUNTY NORMAL SCHOOLS						
Number.....	30	40	128	119	135	74
Instructors.....	550	845	1,098	843	1,098	850
Students in all courses.....	7,565	16,940	12,527	15,689	16,067	15,579
Students in normal courses.....	4,502	7,773	12,527	15,689	16,067	15,579
PRIVATE NORMAL SCHOOLS						
Number.....	148	73	60	67	64	50
Instructors.....	1,618	1,229	1,208	1,521	1,608	1,443
Students in all courses.....	48,675	21,355	9,464	18,192	18,304	14,607
Students in normal courses.....	23,304	9,341	3,884	10,054	11,092	9,236

¹ A number of pupils in model schools are included in these data.

Source of Tables 120 and 121: Bureau of Education, Department of the Interior.

No. 122.—ELEMENTARY AND SECONDARY SCHOOLS, PUBLIC

NOTE.—The ratio of pupils enrolled to total population 5-17 years was 82.3 per cent in 1926. Per cent owing largely to the difficulty of accurately

State	Population, 5-17 years, inclusive, 1920	Public elementary and secondary schools						
		Pupils enrolled				Ratio of enrolled to total population 5-17 years, inclusive, per cent		
		1900	1910	1920	1926	1900	1910	1920
Continental United States.....	27,728,788	15,503,110	17,813,852	21,578,316	24,741,468	72.4	73.1	77.8
Alabama.....	769,266	376,423	424,611	569,940	600,405	61.7	62.7	74.1
Arizona.....	86,941	16,504	31,312	76,605	51,030	51.9	62.0	88.0
Arkansas.....	563,659	314,662	395,978	483,172	496,927	71.0	80.0	85.7
California.....	679,119	269,736	368,291	995,238	1,016,473	79.6	78.6	(9)
Colorado.....	231,833	117,555	163,798	220,232	239,872	88.2	89.0	95.0
Connecticut.....	325,519	155,228	190,353	261,463	320,463	74.5	73.3	80.3
Delaware.....	52,535	36,895	35,950	38,483	39,297	75.3	71.5	73.3
District of Columbia.....	77,595	46,519	55,774	65,203	73,495	76.8	83.3	84.3
Florida.....	272,087	108,874	148,089	225,160	342,643	66.6	68.1	82.6
Georgia.....	933,308	482,673	555,794	690,018	689,230	65.3	66.8	74.0
Idaho.....	121,580	36,669	76,168	115,192	117,650	79.2	87.9	94.3
Illinois.....	1,504,806	953,911	1,002,637	1,127,660	1,331,329	72.7	71.7	72.1
Indiana.....	712,772	504,807	531,459	568,288	635,227	81.1	78.4	79.4
Iowa.....	507,014	536,223	510,691	614,521	560,270	89.1	86.0	86.1
Kansas.....	403,837	339,532	398,740	600,330	424,061	89.2	88.7	87.9
Kentucky.....	702,391	500,294	494,863	635,332	575,482	75.3	73.0	76.2
Louisiana.....	557,553	196,169	265,617	354,079	395,007	43.6	50.8	63.5
Maine.....	180,434	130,918	144,273	137,681	148,506	81.4	84.5	76.3
Maryland.....	361,207	222,373	238,393	241,618	203,249	67.0	69.9	66.0
Massachusetts.....	875,109	474,891	535,369	623,586	755,332	76.2	70.0	71.3
Michigan.....	871,856	504,085	541,691	691,074	871,083	77.1	78.0	79.3
Minnesota.....	615,733	399,207	440,083	503,597	549,890	77.6	77.9	81.8
Mississippi.....	591,102	358,507	469,137	612,670	572,056	73.3	80.4	69.8
Missouri.....	859,277	719,817	707,031	672,483	723,167	78.6	81.8	78.3
Montana.....	137,344	39,430	86,141	126,576	116,090	72.8	80.7	92.2
Nebraska.....	344,436	233,227	281,375	311,821	326,934	89.5	86.5	90.6
Nevada.....	15,419	6,676	10,200	14,114	15,614	74.1	73.9	91.5
New Hampshire.....	99,775	65,688	63,972	64,205	71,735	74.0	66.6	64.3
New Jersey.....	767,979	322,575	429,797	594,780	735,146	68.5	70.0	77.4
New Mexico.....	107,990	36,735	56,304	81,399	87,637	61.4	59.2	75.4
New York.....	2,361,838	1,209,574	1,422,969	1,719,841	1,967,447	69.6	67.8	72.3
North Carolina.....	838,845	490,452	520,404	691,240	818,739	63.6	73.5	82.4
North Dakota.....	198,799	77,686	139,802	168,263	172,818	81.3	85.4	84.6
Ohio.....	1,331,686	820,160	838,080	1,020,603	1,255,323	75.4	73.8	76.6
Oklahoma.....	636,340	99,602	422,399	589,282	648,040	79.8	82.9	92.6
Oregon.....	179,601	89,405	113,412	151,028	181,891	32.1	79.2	84.1
Pennsylvania.....	2,261,230	1,151,880	1,282,965	1,610,459	1,849,163	68.9	66.7	71.5
Rhode Island.....	143,011	87,231	80,061	93,601	111,428	66.8	63.1	65.4
South Carolina.....	589,916	281,891	340,415	473,045	483,269	60.7	67.3	83.9
South Dakota.....	177,188	95,822	126,253	140,955	164,551	79.5	77.7	82.9
Tennessee.....	707,933	485,354	521,753	619,852	653,876	75.1	79.5	87.0
Texas.....	1,411,202	659,598	821,631	1,035,048	1,210,127	64.7	67.2	87.2
Utah.....	134,601	73,042	91,611	117,408	141,788	81.0	84.3	87.4
Vermont.....	64,188	65,964	66,615	61,789	64,046	82.2	80.3	73.4
Virginia.....	689,398	370,595	402,109	505,190	551,475	63.2	64.3	73.3
Washington.....	309,294	115,104	215,683	291,053	320,288	87.0	85.3	94.1
West Virginia.....	433,332	232,343	276,458	345,256	382,830	78.6	77.9	79.9
Wisconsin.....	632,524	445,142	494,811	405,243	542,584	72.5	72.4	68.2
Wyoming.....	47,068	14,512	24,584	43,112	50,138	65.7	79.7	91.0
OUTLYING AREAS								
Alaska Territory.....	12,530			3,300	4,353			26.8
Canal Zone.....	4,080			3,486	4,723			85.4
Guam.....					2,013			
Hawaii Territory.....				41,550	58,860			
Philippine Islands.....				935,673	1,108,055			
Porto Rico.....				180,458	214,163			
Virgin Islands.....					3,118			
American Samoa.....					1,800			

¹ Includes pupils in local normal and vocational schools of secondary grade. ² Figures for 1898-96.
³ The enrollment in schools was 2.5 per cent larger than the number of persons 5-17 years of age in 1920.
⁴ Approximate. ⁵ Figures for 1891-92. ⁶ Estimated. ⁷ Elementary only.

AND PRIVATE: ENROLLMENT AND ATTENDANCE

ages by States are not shown for that year, as they do not accurately portray the situation in many cases estimating the population 5-17 by States

Public elementary and secondary schools—Continued					Private and parochial schools			State		
Number enrolled, 1926		Average daily attendance	Average days attendance per year per pupil enrolled			Number enrolled				
Kindergarten and elementary	Secondary ¹	1926	1900	1910	1920	1926	1910		1920	1926
20,984,002	3,757,466	19,855,881	99.1	113.0	121.2	135.9	1,568,437	2,034,642	2,438,725	C. U. S.
538,984	51,421	416,521	² 61.0	73.6	70.4	97.0	16,133	20,484	19,845	Alabama.
70,745	10,291	61,331	77.1	87.3	98.0	125.3	9,013	3,544	3,415	Arizona.
462,175	34,752	349,657	48.1	68.6	85.2	103.0	5,777	4,434	8,586	Arkansas.
759,076	250,797	777,738	121.6	142.0	120.2	138.2	32,802	49,714	55,402	California.
195,101	41,771	182,374	93.4	99.3	114.4	137.0	4,000	8,795	11,778	Colorado.
279,106	41,857	295,807	135.8	143.5	144.1	150.7	42,215	68,226	61,604	Connecticut.
93,590	5,707	32,858	^{4,6} 109.8	103.3	120.2	154.1	3,750	7,081	6,600	Delaware.
60,027	13,468	60,903	135.9	145.0	143.9	149.7	6,000	23,707	10,638	Dist. of Col.
307,003	35,040	260,355	69.7	80.9	98.0	109.7	8,203	8,190	8,320	Florida.
623,684	65,546	513,017	69.3	92.5	93.0	107.8	0,000	16,730	7,013	Georgia.
95,831	21,825	94,100	63.5	91.3	126.9	138.3	1,500	4,201	3,260	Idaho.
1,005,618	235,711	1,104,830	123.4	133.7	144.9	163.4	⁷ 167,920	267,777	249,604	Illinois.
488,780	146,447	586,503	116.6	116.8	125.8	160.4	⁸ 20,751	35,857	67,952	Indiana.
444,375	111,804	445,935	² 103.0	121.4	137.2	141.1	⁹ 20,000	38,780	45,013	Iowa.
340,330	84,631	367,041	84.8	119.5	124.8	147.0	⁷ 0,768	27,890	26,263	Kansas.
520,996	45,486	381,770	^{4,10} 71.0	79.6	78.7	100.0	21,295	20,819	36,438	Kentucky.
340,488	45,519	298,514	89.5	98.9	107.7	112.1	34,000	31,374	49,109	Louisiana.
121,534	27,062	131,520	105.2	118.5	142.4	156.0	14,137	15,616	24,406	Maine.
229,971	33,278	214,104	² 108.8	113.7	130.3	151.2	20,000	30,188	38,348	Maryland.
610,869	138,963	657,631	145.7	154.2	149.6	156.3	96,464	144,624	163,366	Massachusetts.
744,263	126,830	703,800	^{2,4} 113.6	140.0	129.6	152.3	⁷ 61,539	91,177	120,463	Michigan.
405,853	84,046	445,150	91.8	118.0	125.5	144.4	21,000	54,974	60,194	Minnesota.
290,881	43,105	416,101	68.8	74.6	70.9	102.4	⁸ 7,500	9,438	8,431	Mississippi.
612,414	110,753	599,622	92.3	107.7	128.6	138.9	40,000	65,832	64,539	Missouri.
96,049	20,941	98,615	85.5	115.5	120.7	146.8	6,998	6,476	9,482	Montana.
266,828	60,106	267,833	102.7	118.0	122.3	149.9	⁹ 0,000	28,078	24,331	Nebraska.
12,804	2,810	13,216	108.4	106.0	125.8	146.5	359	648	-----	Nevada.
59,628	12,187	62,673	^{2,4,9,10} 119.2	128.6	144.3	151.8	14,331	24,342	26,231	N. Hampshire.
629,774	105,372	689,835	² 119.2	138.9	151.9	149.6	65,000	54,697	124,063	New Jersey.
70,529	8,158	67,727	⁴ 59.0	66.4	120.5	135.2	6,000	4,777	7,598	New Mexico.
1,643,215	324,232	1,689,223	131.8	140.0	148.8	159.4	267,072	275,086	373,416	New York.
734,170	84,569	605,755	36.6	64.9	91.8	108.1	¹¹ 26,200	20,640	9,253	N. Carolina.
149,565	23,253	143,546	87.3	94.9	127.4	138.5	1,000	8,902	7,707	N. Dakota.
1,031,644	223,079	1,072,928	122.6	131.6	130.7	146.3	97,832	124,223	163,124	Ohio.
565,884	83,062	444,349	61.0	78.8	100.5	102.0	4,000	13,635	7,140	Oklahoma.
142,711	39,180	169,314	¹² 84.0	121.8	137.5	150.1	6,233	9,249	12,029	Oregon.
1,581,767	267,396	1,550,274	123.6	133.0	139.0	151.5	175,000	171,532	293,785	Pennsylvania.
96,486	14,942	93,147	² 135.4	148.8	142.9	158.8	17,731	20,590	31,455	Rhode Island.
435,426	47,844	345,402	63.2	75.4	76.0	102.9	10,650	10,142	3,626	S. Carolina.
188,166	26,385	138,388	113.4	106.0	112.4	141.9	1,840	5,805	9,290	S. Dakota.
600,584	53,202	435,229	67.0	90.6	98.5	105.5	37,124	27,800	10,241	Tennessee.
1,015,951	104,176	1,031,772	73.6	86.8	112.0	114.9	¹⁰ 10,000	26,790	33,668	Texas.
110,695	31,093	115,186	101.4	124.6	138.5	141.2	6,500	7,794	3,954	Utah.
53,551	10,495	54,692	111.3	125.1	131.6	146.3	⁶ 0,000	8,009	10,584	Vermont.
481,799	69,676	424,693	² 67.5	90.4	102.2	122.7	23,662	15,412	13,263	Virginia.
258,814	70,474	262,661	97.0	124.7	128.1	142.7	7,209	16,284	17,631	Washington.
346,716	36,114	307,260	60.0	92.2	102.8	132.2	1,500	6,642	8,703	W. Virginia.
415,888	126,696	474,047	⁴ 111.4	124.4	138.9	156.0	57,366	81,827	95,611	Wisconsin.
40,474	9,664	42,140	⁴ 77.0	101.5	117.4	143.0	⁸ 116	1,866	610	Wyoming.
3,772	581	3,569	-----	-----	132.3	138.9	-----	-----	-----	Alaska.
4,303	425	4,116	-----	-----	114.2	146.8	-----	-----	-----	Canal Zone.
2,837	76	2,861	-----	-----	-----	169.4	-----	-----	-----	Guam.
54,782	4,078	55,740	-----	-----	108.3	153.1	-----	8,261	9,651	Hawaii.
1,053,799	55,156	961,375	-----	-----	156.0	169.9	-----	40,379	74,454	Philippines.
206,201	7,962	182,365	-----	-----	145.7	157.5	-----	6,567	6,465	Porto Rico.
3,070	48	3,015	-----	-----	-----	193.3	-----	-----	-----	Virgin Islands.
1,800	-----	1,600	-----	-----	-----	165.0	-----	-----	-----	A. Samoa.

⁸ Figures for 1908-9.

⁹ Figures for 1919.

¹⁰ Figures for 1896-97.

¹¹ Enrollment figures from report of the Bureau of the Census.

¹² Figures for 1897-98.

Source: Bureau of Education, Department of the Interior.

No. 123.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: NUMBER AND SALARY OF TEACHERS

NOTE.—Number of teachers includes some superintendents, principals, and supervisors, as some States do not report them separately. A average salary refers in 1900 to annual salary of teachers and supervising officers in cities of 3,000 or over; in 1910, to monthly salary of teachers. Both total salaries and annual average salary in 1920 refer to salaries of teachers, supervisors, and principals, the latter being based on number of teaching positions plus number of supervisors and principals

State	Number of teachers				Salaries of teachers, etc. (1,000 dollars)	Per cent of teachers male			Average salary (dollars)			
	1900	1910	1920	1926		1926	1900	1910	1920	Annual, 1900	Month-ly, 1910	Annual, 1920
Continental U. S.	421,286	623,210	679,533	814,169	1,061,583	29.9	21.1	17.0	670.81	61.70	1,277	
Alabama	5,578	8,756	12,568	15,536	10,404	30.1	35.0	17.7	457.04	55.18	678	
Arizona	399	851	1,955	2,742	4,413	27.3	17.0	16.0		84.98	1,575	
Arkansas	6,959	9,522	10,470	12,720	8,434	59.7	47.0	32.4	576.61	55.00	680	
California	7,095	11,369	19,343	32,285	67,489	17.8	13.8	14.8	943.05	80.13	1,905	
Colorado	3,597	5,200	7,386	9,512	12,836	20.9	15.6	16.8	776.65	63.22	1,290	
Connecticut	4,100	5,277	4,855	9,356	16,370	9.0	6.2	8.3	378.74	58.96	1,572	
Delaware	840	993	1,134	1,409	1,973	25.3	13.7	12.0	495.25	44.10	1,356	
District of Columbia	1,226	1,631	2,090	2,478	5,590	13.1	11.5	11.9	683.99	98.43	2,068	
Florida	2,729	4,015	6,319	10,435	8,403	33.9	25.7	11.7	412.85	52.10	831	
Georgia	10,120	12,625	16,921	17,881	12,238	44.0	24.4	14.8	523.00	44.90	684	
Idaho	1,060	2,232	3,982	4,330	5,175	31.2	25.5	22.1		69.96	1,134	
Illinois	26,313	29,384	36,599	44,572	69,142	26.4	18.5	18.3	745.13	69.51	1,515	
Indiana	15,617	17,267	17,009	21,009	31,037	46.2	35.7	27.4	699.05	65.93	1,361	
Iowa	7,283	9,947	27,598	27,000	25,206	28.541	17.2	9.8	10.5	470.88	47.92	2,241
Kansas	11,613	13,467	16,989	18,900	21,677	32.7	18.0	18.1	517.00	63.36	1,114	
Kentucky	9,960	11,100	13,348	15,016	12,100	45.5	41.7	26.0	583.60	59.37	777	
Louisiana	4,137	6,286	8,966	11,011	10,231	47.0	21.4	14.0	499.70	52.27	892	
Maine	6,445	7,457	7,020	6,824	5,298	16.4	11.2	12.2	443.05	36.89	834	
Maryland	5,127	5,514	6,675	8,447	10,796	21.7	17.1	14.2		54.46	1,353	
Massachusetts	13,675	15,321	19,085	24,315	41,571	8.8	9.1	12.7	723.69	69.96	1,618	
Michigan	7,564	17,987	24,802	30,327	45,782	20.3	14.0	15.8	540.55	56.01	1,510	
Minnesota	10,586	15,157	19,575	21,958	27,494	19.4	12.0	11.3	628.33	52.56	1,215	
Mississippi	8,156	10,166	11,962	13,902	8,945	44.2	31.0	20.7		42.50	682	
Missouri	16,201	18,365	21,126	26,157	28,009	37.6	26.4	23.8	587.36	57.18	1,163	
Montana	1,214	2,260	7,216	6,295	6,457	16.6	12.0	11.8	844.10	72.63	1,096	
Nebraska	9,483	11,059	14,873	14,511	15,656	21.8	11.9	11.3	620.39	55.24	1,047	
Nevada	324	489	704	788	1,243	11.1	10.8	11.3		31.08	1,470	
New Hampshire	2,970	3,040	3,447	3,011	3,499	8.9	7.1	11.3	620.87	39.76	1,164	
New Jersey	6,689	12,087	17,440	21,807	44,400	12.9	12.3	11.1	597.31	77.77	1,930	
New Mexico	966	1,474	2,752	3,160	3,315	56.2	34.4	22.2		67.82	1,028	
New York	34,848	45,074	61,703	74,095	141,443	14.9	11.7	11.9	851.41	88.16	2,025	
North Carolina	7,887	11,216	10,852	13,128	17,933	49.4	28.5	17.9		34.40	781	
North Dakota	4,083	7,387	8,075	8,828	7,602	28.8	17.4	15.7		52.95	905	
Ohio	26,917	27,841	33,781	40,229	59,970	46.4	31.1	20.9	620.14	58.66	1,411	
Oklahoma	2,343	9,473	15,389	18,619	18,238	42.3	20.2	24.8	351.59	59.09	979	
Oregon	3,742	4,463	7,778	7,603	10,013	28.4	19.4	15.8	651.56	58.63	1,267	
Pennsylvania	29,390	35,496	44,111	54,129	81,863	32.0	22.0	18.9	582.02	51.12	1,468	
Rhode Island	7,913	2,371	2,971	3,599	5,185	9.5	8.9	10.0	618.60	66.82	1,478	
South Carolina	5,564	6,968	9,699	12,840	9,770	43.5	23.1	16.1	434.83	51.95	761	
South Dakota	4,802	6,065	7,853	8,121	7,683	24.4	16.6	10.0	494.47	55.21	923	
Tennessee	9,105	10,286	13,277	17,100	12,933	51.0	37.0	22.9	502.20	40.90	778	
Texas	15,020	20,742	29,001	37,940	36,901	48.9	30.8	20.0	585.96	59.09	837	
Utah	1,466	2,369	3,904	4,082	5,465	36.5	26.9	22.2	540.29	79.03	1,294	
Vermont	3,742	3,257	2,902	2,921	2,651	13.6	8.9	8.0	455.59	34.75	809	
Virginia	7,836	10,443	14,271	17,055	13,118	31.6	19.9	12.0	474.03	38.32	746	
Washington	12,321	7,170	9,877	10,093	16,603	28.9	20.0	12.7	616.26	66.27	1,515	
West Virginia	7,179	8,782	11,221	14,358	15,717	57.0	48.0	31.6	433.11	39.90	1,072	
Wisconsin	13,963	14,729	17,094	20,233	26,261	18.4	11.8	14.9	548.63	54.85	1,237	
Wyoming	570	1,109	2,232	3,041	3,504	15.6	12.8	12.7		60.36	1,143	
OUTLYING AREAS												
Alaska Territory			164	197	318			9.0			1,561	
American Samoa				45	13				86.7		294	
Canal Zone			102	125	205				38.4		1,553	
Guam				112	41				42.0		657	
Hawaii Territory			21,326	1,976	3,096				13.8		1,865	
Philippine Islands			1,254	25,268	5,660				58.5		875	
Porto Rico			3,832	4,478	3,924				28.1		587	
Virgin Islands				120	72				20.2		878	

1 Revised figure, 423,082, not distributed by States. 2 Includes 231 part-time teachers.
 3 Elementary only. 4 Estimated number of teachers for 7,525 teaching positions. 5 Estimated.
 6 1891-92. 7 1893-90. 8 1896-97. 9 1908-9. 10 Includes superintendents and supervisors.
 11 1907-8. 12 1897-98. 13 Figures for 1925.

Source: Bureau of Education, Department of the Interior.

No. 124.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: EXPENDITURES

NOTE.—Figures include new buildings as well as operation and equipment expenditures. Per capita expenditures for outlying territories and possessions for 1920 were as follows: Alaska, \$9.03; Canal Zone, \$10.18; Guam, \$4.16; Hawaii, \$13.90; Philippine Islands, \$1; Porto Rico, \$4.01; Virgin Islands, \$3.64; American Samoa, \$2.77

State	Total expenditures (thousands of dollars)				Per capita of total population (dollars)				Per capita of population 5-17, inclusive (dollars)			
	1900	1910	1920	1926	1900	1910	1920	1926	1900	1910	1920	1926
Continental United States	214, 984	428, 250	1, 039, 151	2, 026, 308	2. 84	4. 64	9. 80	17. 80	9. 58	17. 04	37. 87	87. 40
Alabama	923	2, 904	9, 118	17, 351	. 50	1. 36	3. 89	6. 87	1. 42	4. 25	11. 85	20. 90
Arizona	299	1, 000	6, 339	8, 507	2. 44	4. 01	18. 97	19. 12	6. 59	20. 40	72. 01	76. 21
Arkansas	1, 369	3, 187	7, 706	13, 969	1. 04	2. 04	4. 40	7. 34	2. 93	6. 99	13. 67	22. 89
California	6, 909	18, 210	45, 980	136, 988	4. 65	7. 66	14. 29	21. 74	10. 01	33. 72	72. 42	166. 17
Colorado	2, 793	5, 211	13, 200	26, 550	5. 18	6. 52	14. 05	25. 07	23. 53	27. 03	56. 04	101. 38
Connecticut	3, 189	5, 450	16, 318	32, 943	3. 51	4. 91	11. 82	20. 51	14. 92	21. 35	50. 12	88. 50
Delaware	453	1, 676	4, 604	3, 668	2. 40	3. 00	7. 52	15. 28	5. 09	11. 28	31. 91	67. 72
Dist. of Columbia	1, 076	2, 679	4, 297	9, 384	3. 86	8. 10	9. 82	17. 77	17. 36	37. 30	36. 45	10. 02
Florida	765	1, 773	7, 030	30, 089	1. 45	2. 36	7. 26	22. 85	4. 36	9. 30	25. 79	96. 89
Georgia	1, 980	4, 419	9, 076	17, 358	. 89	1. 70	3. 13	5. 53	2. 52	5. 32	9. 72	17. 35
Idaho	400	2, 175	8, 591	9, 023	2. 47	6. 08	19. 89	17. 28	9. 14	23. 87	70. 08	62. 04
Illinois	17, 757	34, 036	69, 358	138, 934	3. 08	6. 08	10. 69	19. 20	13. 03	24. 16	44. 32	82. 53
Indiana	8, 182	14, 910	35, 764	61, 323	3. 25	5. 52	12. 20	19. 63	11. 02	21. 71	50. 18	83. 06
Iowa	8, 496	12, 767	37, 334	57, 288	3. 81	5. 76	15. 53	23. 04	12. 04	20. 14	62. 44	94. 88
Kansas	4, 622	9, 812	26, 287	35, 603	3. 14	5. 81	14. 84	19. 55	9. 95	19. 54	50. 71	76. 16
Kentucky	3, 087	5, 048	8, 117	17, 599	1. 41	2. 47	3. 36	6. 97	3. 93	7. 98	11. 56	24. 87
Louisiana	1, 135	4, 252	11, 366	19, 785	. 82	2. 67	6. 32	10. 31	2. 41	7. 90	20. 30	33. 90
Maine	1, 712	2, 934	6, 403	10, 289	2. 47	3. 95	8. 34	13. 02	10. 42	17. 04	35. 49	54. 89
Maryland	2, 803	3, 792	8, 242	21, 770	2. 30	2. 92	5. 69	13. 78	8. 03	10. 49	22. 81	57. 95
Massachusetts	13, 826	20, 135	40, 908	77, 374	4. 93	5. 98	10. 62	18. 44	21. 55	27. 68	46. 75	80. 77
Michigan	7, 207	14, 596	47, 683	99, 447	3. 01	5. 20	13. 00	22. 62	9. 88	19. 24	54. 09	100. 17
Minnesota	5, 630	13, 724	35, 734	51, 930	3. 21	6. 00	14. 97	19. 59	10. 11	22. 49	58. 04	79. 69
Mississippi	1, 885	2, 726	5, 474	12, 600	. 89	1. 62	3. 06	7. 04	2. 34	4. 46	9. 26	21. 17
Missouri	7, 816	13, 067	28, 707	53, 217	2. 52	3. 97	8. 43	15. 21	8. 49	14. 45	33. 41	61. 95
Montana	923	2, 633	12, 207	11, 567	3. 79	7. 01	22. 24	16. 64	19. 43	31. 40	88. 88	65. 05
Nebraska	4, 403	7, 544	20, 580	29, 349	4. 13	6. 27	15. 88	21. 19	13. 68	20. 77	59. 75	81. 88
Nevada	224	610	1, 383	1, 958	5. 30	7. 57	10. 59	25. 43	24. 26	35. 51	89. 75	116. 91
New Hampshire	1, 052	1, 654	3, 810	6, 905	2. 56	3. 84	8. 60	15. 21	11. 56	17. 79	38. 19	67. 30
New Jersey	6, 608	17, 064	40, 909	92, 999	3. 51	6. 72	12. 96	24. 09	12. 82	27. 33	53. 27	106. 34
New Mexico	343	793	4, 139	5, 254	1. 76	2. 43	11. 49	13. 54	6. 26	9. 27	38. 33	44. 90
New York	33, 421	51, 861	106, 045	247, 450	4. 60	5. 69	10. 21	21. 89	18. 71	25. 09	44. 90	96. 83
North Carolina	950	3, 037	12, 147	34, 692	. 50	1. 38	4. 75	12. 14	1. 39	4. 40	14. 48	37. 47
North Dakota	1, 526	4, 549	12, 883	14, 355	4. 78	7. 89	19. 92	22. 39	16. 54	27. 19	64. 81	64. 32
Ohio	13, 335	25, 500	67, 428	127, 951	3. 21	5. 35	11. 71	19. 39	11. 30	23. 71	50. 63	87. 11
Oklahoma	686	6, 730	22, 906	29, 068	1. 72	4. 07	11. 29	12. 41	5. 71	12. 99	36. 00	40. 26
Oregon	1, 594	4, 640	9, 997	18, 950	3. 86	6. 90	12. 76	21. 61	14. 30	27. 62	55. 67	94. 29
Pennsylvania	21, 476	39, 988	73, 490	169, 643	3. 41	5. 22	8. 43	17. 65	12. 21	21. 14	32. 64	68. 41
Rhode Island	1, 548	2, 486	4, 766	10, 300	3. 61	4. 59	7. 89	14. 86	15. 36	20. 63	33. 63	66. 59
South Carolina	894	1, 951	6, 627	16, 097	. 67	1. 29	3. 94	8. 81	1. 80	3. 72	11. 33	26. 27
South Dakota	1, 605	3, 825	11, 592	15, 136	4. 00	6. 50	18. 21	21. 97	13. 59	22. 59	65. 43	80. 69
Tennessee	1, 751	4, 402	10, 141	20, 501	. 87	2. 02	4. 34	8. 31	2. 53	6. 32	14. 33	27. 61
Texas	4, 465	11, 777	33, 606	65, 239	1. 46	3. 02	7. 21	12. 28	4. 18	9. 09	23. 81	42. 40
Utah	1, 094	3, 052	8, 239	10, 013	3. 96	8. 19	18. 34	19. 43	11. 95	25. 08	61. 22	65. 82
Vermont	1, 074	1, 608	3, 588	4, 526	3. 13	4. 62	10. 18	12. 86	12. 68	20. 55	42. 62	53. 20
Virginia	1, 989	4, 407	12, 975	21, 823	1. 07	2. 15	5. 92	8. 66	3. 16	6. 77	18. 82	29. 82
Washington	2, 375	10, 493	20, 595	30, 728	4. 59	9. 21	15. 13	19. 98	16. 53	40. 66	66. 59	88. 08
West Virginia	2, 009	4, 094	11, 402	26, 235	2. 10	3. 36	7. 79	15. 72	9. 97	11. 57	25. 28	53. 80
Wisconsin	5, 493	10, 780	27, 255	45, 744	2. 65	4. 04	10. 36	15. 89	8. 89	15. 37	39. 93	64. 38
Wyoming	253	790	3, 741	6, 838	2. 74	5. 46	19. 26	28. 98	12. 84	25. 77	79. 50	117. 07

Source: Bureau of Education, Department of the Interior.

No. 125.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: ENROLLMENT OF WHITE AND COLORED SCHOOL POPULATION IN 16 STATES

State	Enrollment in elementary and secondary schools				Ratio of enrollment in public schools to school population, per cent				Average number of days attended by each pupil enrolled, 1926	
	White		Colored		White		Colored		White	Colored
	1920	1926	1920	1926	1920	1926	1920	1926		
Total	5,392,635	6,071,195	1,954,225	2,141,208	0.809	0.829	0.698	0.687	118	98
Alabama.....	401,682	408,323	108,358	182,082	.850	.796	.661	.576	105	80
Arkansas.....	309,826	382,172	122,340	114,755	.809	.843	.824	.730	107	90
Delaware.....	31,897	33,170	6,586	6,127	.711	.711	.858	.813	157	141
Dist. of Columbia.....	45,775	49,438	19,523	24,057	.826	.811	.883	.988	149	151
Florida.....	157,000	203,458	67,494	79,185	.893	(^c)	.717	.706	115	91
Georgia.....	428,900	443,137	261,958	241,083	.812	.779	.647	.567	116	93
Louisiana.....	236,301	204,129	117,778	130,378	.700	.734	.636	.584	131	75
Maryland.....	197,088	214,084	44,530	49,105	.693	.691	.694	.748	156	131
Mississippi.....	220,861	290,145	191,809	282,811	.802	.800	.608	.609	111	94
North Carolina.....	478,189	664,114	213,050	254,625	.833	.895	.805	.802	115	94
Oklahoma.....	544,821	601,130	44,401	47,816	.925	.927	.940	.659	103	87
South Carolina.....	226,067	248,562	251,980	234,707	.876	.881	.808	.710	124	81
Tennessee.....	512,821	593,993	107,931	119,883	.891	.877	.810	.897	-----	-----
Texas.....	850,123	1,011,304	173,525	198,763	.729	.783	.761	.806	117	104
Virginia.....	369,941	398,501	144,249	152,974	.762	.765	.668	.683	129	106
West Virginia.....	328,719	300,476	17,537	22,256	.796	.777	.845	.929	132	132

¹ No basis for estimating growth of population since 1920.

² Figures from report of the Bureau of Census, 1920.

Source: Bureau of Education, Department of the Interior.

No. 126.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: NUMBER OF PUPILS

NOTE.—Data are from reports received from the schools (see headnote Table 120) data for enrollment in high schools in outlying territories and possessions for 1926 are as follows: Alaska, 549; Canal Zone, 439; Hawaii, 6,736 (399 in 1920); Philippine Islands, 33,953; Porto Rico, 5,432 (2,790 in 1920); Virgin Islands, 72.

State	1890	1910	1920	1926	State	1890	1910	1920	1926
Continental U. S.	297,894	1,032,461	2,041,308	3,313,085	Montana.....	505	3,379	15,199	22,236
Alabama.....	2,329	9,847	23,884	36,105	Nebraska.....	5,068	20,701	38,442	61,285
Arizona.....	42	1,375	5,478	8,738	Nevada.....	249	722	1,787	2,380
Arkansas.....	1,037	8,025	17,306	25,608	New Hamp- shire.....	4,450	8,108	11,322	16,036
California.....	12,856	38,389	109,074	188,607	New Jersey.....	6,060	26,635	60,916	100,769
Colorado.....	1,192	12,714	22,728	35,169	New Mexico.....	133	1,560	4,445	8,385
Connecticut.....	5,558	16,332	32,629	46,575	New York.....	38,758	115,542	187,841	362,270
Delaware.....	795	1,953	3,474	6,051	North Carolina.....	3,684	13,401	33,718	68,574
Dist. of Col.....	2,672	6,321	10,527	16,105	North Dakota.....	313	4,096	15,005	21,615
Florida.....	1,119	3,842	10,494	27,685	Ohio.....	23,470	65,524	129,434	204,905
Georgia.....	6,436	14,616	27,417	37,368	Oklahoma.....	231	9,228	39,459	62,983
Idaho.....	132	2,865	11,555	19,102	Oregon.....	1,292	9,791	24,954	38,917
Illinois.....	18,514	63,245	137,217	220,115	Pennsylvania.....	18,120	74,813	150,037	339,666
Indiana.....	8,998	46,611	68,882	117,600	Rhode Island.....	2,442	7,443	16,752	15,548
Iowa.....	13,099	43,173	75,290	108,619	South Carolina.....	2,143	6,500	12,634	28,914
Kansas.....	6,988	20,821	57,060	86,742	South Dakota.....	563	6,155	14,139	23,785
Kentucky.....	4,018	12,845	24,684	49,093	Tennessee.....	4,706	15,343	24,291	41,214
Louisiana.....	1,961	5,858	18,504	31,905	Texas.....	6,097	34,157	79,216	111,420
Maine.....	7,357	13,351	23,968	30,079	Utah.....	739	7,520	16,010	20,736
Maryland.....	2,894	9,923	19,207	33,365	Vermont.....	4,543	6,017	10,224	10,380
Massachusetts.....	23,660	61,176	92,641	138,353	Virginia.....	4,803	15,264	31,455	50,313
Michigan.....	13,824	42,364	75,201	126,586	Washington.....	805	19,522	42,944	66,930
Minnesota.....	6,817	29,645	57,208	90,806	West Virginia.....	822	4,815	18,001	33,346
Mississippi.....	2,737	9,156	16,626	23,546	Wisconsin.....	9,915	33,991	62,666	89,566
Missouri.....	10,086	36,311	67,331	99,677	Wyoming.....	179	967	3,970	8,959

Source: Bureau of Education, Department of the Interior.

No. 127.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: NUMBER OF TEACHERS AND PUPILS, 1925-26

NOTE.—Data for public high schools are compiled from reports from the schools and include seventh and eighth grades in junior high; see also headnote, Table 120. Data for teachers and pupils in private high schools and academies are as furnished by reporting schools supplemented by reports from the State departments of education and information furnished by the National Catholic Welfare Association; they are therefore more complete than figures published for prior years

State	Public high schools					Private high schools and academies				
	Number reporting	Teachers		Pupils		Number reporting	Teachers		Pupils	
		Male	Female	Male	Female		Male	Female	Male	Female
Continental United States...	17, 710	58, 496	105, 059	1, 780, 374	1, 960, 699	2, 350	7, 397	12, 748	138, 308	157, 227
Alabama.....	220	509	1, 150	18, 778	23, 112	47	150	226	2, 674	3, 710
Arizona.....	41	191	309	4, 828	5, 209	5	19	25	137	180
Arkansas.....	255	488	748	13, 746	16, 206	26	81	90	1, 229	1, 448
California.....	408	3, 750	7, 113	113, 707	116, 099	109	286	580	3, 705	6, 549
Colorado.....	190	734	1, 508	22, 704	25, 004	14	43	93	876	854
Connecticut.....	92	539	1, 362	22, 121	23, 617	58	370	627	5, 871	5, 591
Delaware.....	25	93	179	2, 757	3, 281	6	27	33	547	479
District of Columbia.....	15	211	541	7, 630	8, 963	30	92	209	1, 522	1, 907
Florida.....	177	451	1, 243	17, 423	21, 002	25	58	115	728	1, 155
Georgia.....	313	710	1, 107	18, 861	23, 439	36	87	136	1, 185	1, 830
Idaho.....	131	372	544	9, 680	10, 967	11	17	47	262	533
Illinois.....	958	3, 739	6, 015	104, 663	109, 678	113	359	804	15, 502	14, 904
Indiana.....	809	2, 929	3, 878	67, 247	72, 213	36	102	186	1, 894	2, 583
Iowa.....	917	2, 164	4, 164	55, 448	63, 431	102	85	455	3, 026	4, 293
Kansas.....	722	1, 816	3, 353	48, 529	54, 658	33	98	125	1, 378	1, 777
Kentucky.....	540	875	1, 262	21, 804	27, 215	74	99	254	1, 888	3, 070
Louisiana.....	251	496	946	12, 669	17, 108	60	99	286	2, 435	3, 204
Maine.....	212	415	798	12, 796	14, 208	54	128	225	2, 833	3, 152
Maryland.....	157	546	1, 131	19, 270	22, 511	60	166	231	2, 000	2, 118
Massachusetts.....	347	2, 067	5, 035	82, 094	88, 332	117	413	766	6, 173	10, 261
Michigan.....	567	2, 517	4, 524	77, 707	85, 700	77	274	515	4, 893	6, 937
Minnesota.....	529	1, 492	3, 368	47, 281	59, 550	52	148	374	2, 967	3, 756
Mississippi.....	327	519	875	11, 010	14, 137	33	84	128	1, 008	1, 373
Missouri.....	725	1, 795	2, 765	49, 880	55, 635	61	153	342	3, 039	3, 953
Montana.....	191	404	716	10, 310	12, 310	11	21	60	496	724
Nebraska.....	568	1, 105	2, 145	29, 752	35, 042	35	48	181	1, 037	1, 732
Nevada.....	23	65	124	1, 571	1, 525	-----	-----	-----	-----	-----
New Hampshire.....	105	241	533	7, 784	8, 419	28	-----	106	2, 948	1, 556
New Jersey.....	174	1, 440	2, 821	52, 441	53, 522	77	382	366	5, 824	3, 076
New Mexico.....	92	172	297	4, 112	4, 733	17	24	51	482	720
New York.....	766	4, 615	9, 950	209, 292	198, 559	258	927	1, 468	18, 373	16, 705
North Carolina.....	567	1, 083	1, 868	28, 655	37, 048	57	173	196	3, 791	4, 073
North Dakota.....	355	528	836	9, 630	13, 445	16	18	58	262	637
Ohio.....	1, 077	4, 169	6, 390	121, 907	128, 333	105	269	704	7, 060	9, 585
Oklahoma.....	519	1, 332	2, 128	37, 196	43, 734	38	43	102	648	920
Oregon.....	249	632	1, 180	18, 652	21, 081	21	52	92	816	830
Pennsylvania.....	999	4, 602	6, 937	136, 825	148, 436	145	550	934	9, 970	12, 009
Rhode Island.....	22	175	410	6, 606	7, 445	17	85	98	1, 268	1, 695
South Carolina.....	224	477	847	12, 208	15, 620	22	50	69	803	1, 065
South Dakota.....	287	543	793	10, 686	13, 816	13	22	53	342	671
Tennessee.....	307	713	1, 227	19, 835	25, 170	42	159	133	2, 679	1, 803
Texas.....	722	1, 865	3, 425	58, 154	66, 689	51	136	259	1, 973	2, 589
Utah.....	71	476	486	12, 442	12, 723	7	55	75	1, 305	1, 483
Vermont.....	76	147	332	4, 839	5, 460	18	45	97	892	1, 359
Virginia.....	353	694	1, 693	21, 672	28, 730	67	272	228	3, 745	2, 823
Washington.....	313	1, 102	1, 795	33, 828	37, 283	27	138	214	2, 003	1, 985
West Virginia.....	240	798	1, 184	19, 313	22, 758	18	46	95	654	831
Wisconsin.....	425	1, 506	2, 862	44, 887	51, 326	39	172	222	2, 835	2, 804
Wyoming.....	62	188	362	4, 986	5, 717	2	6	5	40	34
OUTLYING AREAS										
Alaska Territory.....	12	16	24	289	257	-----	-----	-----	-----	-----
Canal Zone.....	2	4	13	197	242	-----	-----	-----	-----	-----
Hawaii Territory.....	13	76	135	2, 725	2, 131	9	60	91	1, 485	1, 193
Philippine Islands.....	35	329	181	15, 764	8, 616	41	-----	-----	14, 364	7, 947
Porto Rico.....	15	69	112	2, 199	2, 200	10	-----	-----	298	676
Virgin Islands.....	3	7	10	122	81	-----	-----	-----	-----	-----

Source: Bureau of Education, Department of the Interior.

No. 128.—SCHOOL STATISTICS OF NONCONTIGUOUS TERRITORIES AND POSSESSIONS

	1899-1900 ¹	1909-10	1914-15	1920-21	1925-26	1926-27	1927-28
HAWAII TERRITORY							
Public schools:							
Number	140	152	170	174	182	187	186
Teachers	352	486	735	1,362	1,977	2,145	2,208
Male	112	106	139	155	278	337	388
Female	240	380	596	1,207	1,699	1,808	1,910
Pupils	11,601	19,909	28,827	41,151	58,860	62,208	66,434
Male	6,839	10,937	15,528	21,625	30,344	32,019	34,062
Female	5,162	8,972	13,299	19,526	28,516	30,189	32,372
Public and private schools: ²							
Pupils	15,537	25,537	36,529	48,724	58,860	62,208	66,434
Hawaiian	4,877	4,351	3,806	3,966	3,465	3,323	3,355
Part-Hawaiian	2,631	3,842	4,494	6,067	5,973	6,526	7,109
Anglo-Saxon	1,250	1,505	1,894	2,508	2,101	2,345	2,974
Spanish				992	992	273	261
Portuguese	3,809	4,682	5,701	6,457	5,850	5,808	5,993
Japanese	1,352	7,073	13,553	20,008	30,295	32,316	34,021
Chinese	1,289	2,855	3,016	4,974	5,646	5,890	6,157
Porto Rican		372	934	1,100	1,047	1,031	1,033
Korean		260	462	598	1,140	1,310	1,484
Filipino				1,174	2,300	2,570	2,796
All other	229	582	1,709	450	728	756	671
PORTO RICO							
Population	953,243	\$1,118,012	1,200,000	\$1,327,897	\$1,422,000	\$1,440,000	\$1,450,000
Persons of school age	322,393	\$300,640	419,282	\$450,605	\$490,145	\$498,000	\$508,000
Persons attending school	25,528	121,453	168,310	193,269	213,641	213,321	220,940
Teachers	625	1,602	2,461	3,354	4,478	4,493	4,478
Public school buildings	(³)	274	449	690	905	901	1,035
Rented buildings	(⁴)	751	1,045	1,315	1,376	1,193	1,109
Schoolrooms	525	(⁵)	2,440	3,166	4,445	4,454	4,470
School expenditures	\$288,098	\$1,244,602	\$1,904,720	\$4,083,385	\$6,556,361	\$6,438,842	\$6,503,842
For university				\$246,752	\$539,225	\$685,945	\$669,376
Expenditures per inhabitant	\$0.30	\$1.11	\$1.59	\$3.08	\$4.61	\$4.47	\$4.46
PHILIPPINE ISLANDS							
Schools	2,285	4,531	4,187	6,904	7,278	7,348	7,346
Primary	2,233	4,295	2,337	6,101	5,991	5,993	5,993
Intermediate	17	193	300	738	1,180	1,242	1,242
Secondary	35	38	41	65	107	113	112
Teachers	4,641	9,007	9,845	20,925	25,175	25,971	25,987
American	787	732	533	315	288	294	294
Filipino	3,854	8,275	9,307	20,610	24,887	25,677	25,677
Highest monthly enrollment	7,227,600	\$461,938	\$536,930	\$836,281	\$1,014,003	\$994,480	\$1,111,403
ALASKA TERRITORY							
Native schools: ¹⁰							
Number	25	77	67	67	86	86	95
Pupils enrolled	1,753	3,964	3,436	3,610	3,703	3,616	3,742
Average attendance		1,692	1,903	2,367	2,550	2,461	2,015
Teachers	27	103	102	189	159	167	177
Teachers' salaries	\$18,341	\$86,834	\$94,358	\$133,302	\$192,045	\$203,025	\$227,857
Total cost	\$29,274	\$195,613	\$199,574	\$274,991	\$434,030	\$437,700	\$460,400
White schools: ¹¹							
Teachers			105	165	211	232	235
Pupils enrolled		12,621	2,503	3,482	4,352	4,915	4,828
Average attendance				2,729	3,560	3,766	3,970
Expenditures		\$36,486	\$167,638	\$371,635	\$483,587	\$502,661	\$584,820

¹ Statistics for Porto Rico are for 1898-99; for Philippine Islands, for 1903-4.

² Statistics for private schools for 1909-10 and 1914-15 are as of Dec. 31 of 1909 and 1914, respectively. Statistics for 1925-26, 1926-27, and 1927-28 are for public schools only, the number of pupils in private schools being 9,651, 10,310, and 9,497, respectively.

³ Census of 1910.

⁴ Census estimates as of July 1, 1921, 1926, 1927, and 1928.

⁵ No school buildings on the island, the 625 schools in operation being conducted, as a rule, in teachers' residences.

⁶ Not available.

⁷ March.

⁸ September.

⁹ Average monthly enrollment.

¹⁰ Statistics for 1899-1900 are for all public schools.

¹¹ Including mixed schools outside of incorporated towns and districts.

¹² Native and mixed schools outside of incorporated towns only.

Sources: Hawaii and Porto Rico, reports of the Governor of Hawaii and Porto Rico, respectively. Philippine Islands, reports of the director of education. Alaska, native schools, Bureau of Education, Department of the Interior; white schools, reports of the Governor of Alaska.

No. 129.—NORMAL SCHOOLS AND TEACHERS' COLLEGES: NUMBER OF SCHOOLS AND TEACHERS AND PUPILS, BY SEX, BY STATES

NOTE.—For separate data for public normal schools and teachers' colleges for United States, see Table 121

State	Public normal schools and public and private teachers' colleges								Private normal schools, 1928			
	Number, 1928	Teachers				Pupils				Number	Teachers	Pupils
		Male		Female		Male		Female				
		1920	1928	1920	1928	1920	1928	1920	1928			
Continental U. S.	280	3,099	5,253	5,224	7,766	24,563	57,374	126,346	225,389	59	1,443	14,067
Alabama	7	66	100	95	189	646	1,407	2,213	7,154	1	269	2,324
Arizona	2	23	53	85	45	131	876	528	1,342	—	—	—
Arkansas	2	25	89	23	39	359	921	750	1,495	—	—	—
California	7	63	230	169	254	88	2,497	2,313	8,652	2	32	216
Colorado	3	58	111	71	99	638	998	1,710	4,031	1	9	240
Connecticut	5	22	20	83	175	—	—	569	1,159	4	46	338
Dist. of Columbia	2	5	4	28	43	2	42	189	496	1	14	200
Georgia	7	20	52	121	142	10	463	1,803	2,651	—	—	—
Idaho	2	18	31	50	44	64	208	1,019	1,311	1	21	449
Illinois	8	151	270	197	361	1,430	2,032	7,065	13,028	5	101	887
Indiana	4	89	154	117	163	1,065	2,147	4,147	5,840	1	28	175
Iowa	1	77	86	95	126	374	974	3,784	4,742	1	20	216
Kansas	3	117	165	129	163	1,102	2,203	4,961	6,254	—	—	—
Kentucky	6	40	159	75	180	763	2,609	2,401	6,514	—	—	—
Louisiana	3	36	63	50	74	116	468	1,107	2,546	—	—	—
Maine	7	14	38	70	107	32	234	542	2,233	—	—	—
Maryland	5	24	17	63	71	47	142	893	1,256	—	—	—
Massachusetts	11	86	106	238	234	204	372	2,575	4,649	9	224	1,982
Michigan	31	124	286	307	513	987	3,637	6,491	11,282	—	—	—
Minnesota	6	63	76	141	181	213	581	3,756	4,813	2	30	430
Mississippi	3	12	54	16	47	168	443	875	1,068	1	21	327
Missouri	9	174	253	185	254	2,047	3,003	6,781	9,401	—	—	—
Montana	2	14	23	32	37	17	96	550	992	—	—	—
Nebraska	4	72	92	100	122	774	1,449	2,873	4,054	2	25	357
New Hampshire	3	27	22	32	50	21	107	316	1,005	—	—	—
New Jersey	6	26	38	160	166	23	200	1,687	4,026	2	52	926
New Mexico	3	20	52	42	47	495	426	1,562	1,083	—	—	—
New York	16	186	261	512	728	1,196	2,090	8,252	17,890	8	211	1,271
North Carolina	6	41	106	84	139	393	384	1,707	5,923	1	25	281
North Dakota	5	72	91	142	171	432	1,029	2,142	4,446	—	—	—
Ohio	9	126	215	194	206	853	1,113	6,123	5,633	3	64	344
Oklahoma	7	169	352	126	215	2,265	4,206	8,096	10,583	—	—	—
Oregon	2	5	24	23	86	15	307	722	2,481	2	42	448
Pennsylvania	17	182	278	317	588	1,586	2,905	7,145	12,193	4	77	1,811
Rhode Island	1	7	12	74	63	3	43	454	847	—	—	—
South Carolina	1	31	43	18	37	388	326	530	656	2	22	366
South Dakota	4	66	95	131	115	472	691	2,109	2,965	1	12	129
Tennessee	5	77	189	58	148	700	2,373	3,171	8,398	1	23	86
Texas	9	194	360	139	400	2,114	5,157	6,361	15,226	—	—	—
Utah	—	49	—	28	—	4	—	48	—	1	22	252
Vermont	1	2	1	13	9	3	2	277	123	—	—	—
Virginia	8	57	178	146	279	410	1,033	4,234	7,480	—	—	—
Washington	3	61	80	104	125	252	785	2,588	3,099	3	63	553
West Virginia	7	79	126	85	100	819	2,455	1,934	6,130	—	—	—
Wisconsin	27	214	248	307	364	2,233	3,484	6,613	6,949	—	—	—
Hawaii	—	4	—	50	—	42	—	381	—	—	—	—
PRIVATE TEACHERS' COLLEGES ONLY (INCLUDED ABOVE)	—	—	—	—	—	—	—	—	—	—	—	—
Illinois	1	4	8	18	53	—	—	257	743	—	—	—
Indiana	2	37	33	46	51	1,022	435	1,807	1,951	—	—	—
North Carolina	1	—	36	—	47	—	50	—	1,674	—	—	—
Tennessee	1	50	106	23	63	337	946	1,491	3,076	—	—	—
Utah	—	49	—	28	—	4	—	48	—	—	—	—
Virginia	1	—	104	—	71	—	665	—	1,233	—	—	—

Source: Bureau of Education, Department of the Interior.

Year and State	Number of institutions	Professors and instructors		Students					
				Preparatory		Collegiate		Postgraduate	
		Male	Female	Male	Female	Male	Female	Male	Female
CONTINENTAL UNITED STATES									
1890.....	657	6,834	1,084	29,530	22,219	44,650	20,624	1,973	409
1900.....	664	14,540	3,674	34,814	21,471	68,047	26,051	4,112	1,719
1910.....	602	21,813	2,854	42,616	17,776	113,074	40,792	6,504	2,040
1920.....	670	34,111	8,771	88,398	20,911	212,405	128,677	9,837	5,775
1922.....	780	39,803	10,445	45,782	21,867	254,514	160,292	15,046	7,070
1924.....	913-	44,345	11,934	38,825	23,033	289,817	196,482	18,444	10,365
1925.....	875	48,649	13,575	33,185	22,447	347,665	247,793	20,169	12,341
Alabama.....	12	378	166	482	286	4,258	2,681	38	17
Arizona.....	2	112	33	-----	-----	944	670	72	60
Arkansas.....	11	270	114	357	352	1,913	1,545	7	8
California.....	44	2,865	762	1,359	723	15,892	14,130	1,519	1,313
Colorado.....	10	615	141	338	182	4,276	2,374	142	106
Connecticut.....	8	713	87	28	-----	4,539	954	471	129
Delaware.....	1	58	15	-----	-----	376	293	6	-----
District of Columbia.....	13	1,029	109	65	87	5,162	3,416	610	304
Florida.....	6	199	118	85	46	1,962	2,051	37	16
Georgia.....	30	829	346	980	1,087	5,392	4,418	167	44
Idaho.....	4	164	55	14	7	1,653	1,385	49	21
Illinois.....	56	3,360	850	3,041	867	21,206	18,887	3,310	2,239
Indiana.....	26	1,044	322	410	335	10,763	7,203	288	112
Iowa.....	32	1,343	567	1,108	236	9,886	8,929	608	350
Kansas.....	28	864	410	807	382	7,046	6,000	295	191
Kentucky.....	26	608	234	1,422	1,637	3,468	2,813	95	60
Louisiana.....	11	670	217	423	492	3,375	2,704	78	89
Maine.....	5	213	29	-----	-----	2,209	788	60	32
Maryland.....	19	1,356	257	887	274	6,219	3,098	385	189
Massachusetts.....	31	2,913	623	1,304	243	19,390	11,652	1,464	833
Michigan.....	25	1,547	300	746	599	12,903	6,919	709	270
Minnesota.....	28	1,134	432	2,101	986	8,264	6,717	831	311
Mississippi.....	16	210	221	203	571	2,665	2,912	17	4
Missouri.....	46	1,642	520	343	861	8,724	6,075	403	223
Montana.....	5	155	44	74	-----	1,641	1,011	61	29
Nebraska.....	14	770	237	1,035	805	5,563	5,184	230	195
Nevada.....	1	56	16	-----	-----	575	358	14	0
New Hampshire.....	3	313	14	150	-----	3,259	375	25	2
New Jersey.....	15	655	78	275	31	3,943	1,214	236	21
New Mexico.....	4	80	19	334	-----	638	243	6	0
New York.....	63	6,585	1,266	3,494	1,750	47,437	28,983	2,424	1,944
North Carolina.....	31	738	434	652	1,037	6,822	5,481	280	71
North Dakota.....	4	262	91	241	103	1,629	1,233	53	8
Ohio.....	52	2,732	781	1,954	635	20,474	16,684	869	482
Oklahoma.....	13	512	219	393	434	5,267	5,047	164	102
Oregon.....	14	550	176	230	328	4,497	3,287	125	82
Pennsylvania.....	66	4,458	741	2,080	844	28,986	14,022	1,820	1,179
Rhode Island.....	4	196	13	-----	-----	2,200	680	121	76
South Carolina.....	22	396	255	170	444	3,968	4,362	92	70
South Dakota.....	9	240	100	346	147	1,793	1,288	31	20
Tennessee.....	29	897	268	791	1,202	4,704	4,082	77	41
Texas.....	57	1,454	749	1,020	2,184	12,617	13,662	396	285
Utah.....	7	264	106	200	215	2,948	2,676	123	41
Vermont.....	4	251	34	72	-----	1,280	679	18	8
Virginia.....	31	821	342	298	1,001	6,669	4,043	137	43
Washington.....	8	520	131	747	123	6,484	4,497	355	224
West Virginia.....	11	282	137	276	427	2,272	1,720	187	127
Wisconsin.....	17	1,289	347	1,132	199	7,916	5,176	697	342
Wyoming.....	1	64	46	48	85	543	442	27	13
OUTLYING AREAS, 1926									
Alaska.....	1	13	4	-----	-----	40	28	-----	-----
Hawaii.....	1	41	10	-----	-----	328	132	15	13
Porto Rico.....	1	50	31	304	417	336	330	-----	-----

1 Independent professional schools not included prior to 1920.

PROFESSIONAL SCHOOLS: By STATES

Students—Continued							Total receipts, exclusive of additions to endowment	Year and State
Professional		All other students		Total enrollment (excluding duplicates)				
Male	Female	Male	Female	Both sexes	Male	Female		
							<i>Dollars</i>	CONTINENTAL UNITED STATES
15,342	269			156,449	102,618	53,831		1890.
29,324	1,021			197,163	136,297	60,866		1900.
87,903	1,838			274,084	200,339	73,745		1910.
53,285	3,830	27,533	38,320	621,764	334,226	187,538	77,873,367	1920.
70,305	5,161	26,490	29,453	618,555	402,036	216,519	189,235,242	1922.
85,805	5,651	33,144	39,859	720,124	457,701	268,423	272,703,983	1924.
92,591	5,822	33,211	30,355	822,895	509,732	313,163	340,985,026	1926.
356	2	170	521	8,468	5,260	3,208	3,540,789	Alabama.
62	2	100	62	1,972	1,178	794	1,246,208	Arizona.
293	1	144	718	4,752	2,610	2,142	2,312,320	Arkansas.
4,930	415	432	821	41,421	24,040	17,375	21,346,881	California.
877	70	151	123	8,375	5,636	2,739	4,492,500	Colorado.
890	33	74	74	7,097	5,907	1,190	8,596,764	Connecticut.
				669	376	293	537,445	Delaware.
3,051	255	171	26	13,611	9,530	4,081	4,746,851	District of Columbia.
331	11	104	189	4,737	2,456	2,281	3,367,097	Florida.
1,660	32	84	467	14,255	8,270	5,985	6,327,395	Georgia.
54	2	107	143	3,324	1,793	1,531	1,846,435	Idaho.
8,427	647	4,450	2,862	64,644	39,509	25,135	22,538,809	Illinois.
1,961	94	202	344	21,720	13,705	8,015	10,633,779	Indiana.
1,667	94	413	1,202	24,126	13,544	10,582	12,966,869	Iowa.
625	71	711	1,868	18,646	9,975	8,671	6,678,181	Kansas.
1,287	53	300	299	11,066	6,262	4,804	4,859,042	Kentucky.
1,222	61	53	133	8,692	5,140	3,552	4,682,426	Louisiana.
37	4	16	5	3,139	2,311	828	2,052,020	Maine.
2,438	67	176	234	14,872	10,170	4,702	9,520,951	Maryland.
8,140	810	401	215	44,730	30,693	14,037	29,752,237	Massachusetts.
3,043	120	164	385	25,636	17,410	8,226	14,083,347	Michigan.
2,308	138	551	1,044	22,646	13,771	8,875	11,610,614	Minnesota.
207	3	85	812	7,061	3,264	3,797	3,798,335	Mississippi.
5,122	247	407	1,449	24,654	15,231	9,423	11,342,453	Missouri.
89	12	66	139	3,072	1,921	1,151	1,488,187	Montana.
1,545	51	395	705	15,185	8,325	6,860	5,406,361	Nebraska.
		24	11	913	575	338	648,585	Nevada.
47		44	7	3,900	3,525	375	3,068,935	New Hampshire.
2,457	196	52	69	8,494	6,963	1,531	6,471,689	New Jersey.
		14	25	1,269	985	274	830,321	New Mexico.
15,705	1,003	3,552	2,889	107,770	71,202	36,568	55,318,635	New York.
591	7	365	718	15,567	8,575	6,992	8,330,327	North Carolina.
133	13	159	144	3,662	2,236	1,425	1,801,378	North Dakota.
4,167	265	2,254	2,613	49,736	29,393	20,373	21,707,394	Ohio.
667	109	285	616	12,743	6,592	6,151	4,581,708	Oklahoma.
1,260	159	171	260	10,161	6,142	4,019	4,396,659	Oregon.
7,470	346	4,222	3,188	64,036	44,558	19,478	28,017,694	Pennsylvania.
143	15	30	4	3,295	2,575	720	2,599,922	Rhode Island.
371	12	101	615	10,156	4,473	5,683	4,783,948	South Carolina.
106	9	180	370	4,356	2,600	1,756	2,752,747	South Dakota.
1,892	54	459	804	13,623	7,649	5,983	6,266,031	Tennessee.
2,055	138	660	1,739	34,206	16,508	17,698	14,704,762	Texas.
136	5	274	214	6,450	3,493	2,967	2,099,888	Utah.
97	8	5	11	2,147	1,456	691	1,407,928	Vermont.
1,564	32	166	429	14,256	8,748	5,508	8,583,827	Virginia.
428	69	50	247	13,105	8,033	5,072	4,851,825	Washington.
280	10	101	252	5,417	3,037	2,380	2,911,602	West Virginia.
1,628	72	182	737	17,983	11,547	6,436	10,043,573	Wisconsin.
22		61	63	1,140	613	527	1,119,312	Wyoming.
		12	20	68	40	28	257,217	OUTLYING AREAS, 1926
		46	149	683	380	294	392,505	Alaska.
		46	46	1,662	838	824	785,724	Hawaii.
98	22	100						Porto Rico.

Source: Bureau of Education, Department of the Interior.

No. 131.—NUMBER OF STUDENTS PURSUING SPECIFIED PROFESSIONAL COURSES, 1925-26

NOTE.—Porto Rico has 1 school of law with 63 men and 3 women students and 1 school of pharmacy with 45 men and 19 women

State	Theology			Law			Medicine ¹			Dentistry			Pharmacy			Veterinary medicine		
	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women
Continental U. S.	180	12,201	1,454	136	38,175	2,184	77	18,690	992	43	11,626	151	67	10,005	810	12	535	2
Alabama	2	28		1	148	1	1	101	1				1	64			1	15
Arizona				1	62	2												
Arkansas	2	92		1	27		1	155	1				1	19				
California	8	364	110	13	2,271	133	3	566	86	3	1,101	12	3	461	30			
Colorado	1	90	28	3	306	16	1	157	13	1	179	1	2	94	21		1	51
Connecticut	3	304	11	1	397	15	1	189	7									
District of Columbia	3	132	2	6	2,440	219	3	757	15	2	227	2	2	87	17		1	8
Florida	1	6		2	282	11							1	43				
Georgia	6	393	5	3	349	11	2	327	4	1	364	1	2	203	11		1	14
Idaho				1	33								1	21	2			
Illinois	15	1,580	337	9	2,995	119	5	2,215	132	3	1,075	11	1	458	29			
Indiana	4	197	45	5	639	18	1	375	10	1	371	2	4	429	19			
Iowa	5	183	25	2	325	8	1	390	13	1	248	1	2	130	12		1	96
Kansas	2	97	41	2	203	9	1	167	12				1	99	9		1	59
Kentucky	6	593	36	3	244	10	1	247	5	1	103	1	1	100	1			
Louisiana				3	435	22	1	541	16	2	145	4	2	101	19			
Maine	1	37	4															
Maryland	4	542	1	1	575	21	2	612	32	1	485	3	1	224	10			
Massachusetts	9	769	143	5	5,249	554	4	1,259	62	2	465	11	1	398	35			
Michigan	4	115	10	3	1,532	33	2	772	43	1	400	19	2	141	21		1	33
Minnesota	6	358	18	5	953	54	1	487	35	1	375	3	1	135	28			
Mississippi	1	3		1	91	1	1	63	1				1	50	1			
Missouri	8	938	49	6	1,389	69	4	938	21	3	899	3	2	368	11			
Montana				1	46	1							1	43	11			
Nebraska	3	51	1	3	450	7	2	462	18	2	318	2	2	204	23			
Nevada																		
New Hampshire	1	12					1	35										
New Jersey	5	554	86	1	1,647	95							1	256	15			
New Mexico																		
New York	19	1,572	156	10	8,569	525	9	2,130	166	3	1,019	18	5	2,328	136		1	87
North Carolina	6	82	3	3	272	1	2	118	2				1	119	1			
North Dakota				1	64	1	1	48	2				1	71	10			
Ohio	11	643	58	7	1,497	104	4	901	41	4	494	3	4	606	49		1	56
Oklahoma	1	76	84	2	315	7	1	167	10				1	109	8			
Oregon	2	168	102	3	248	8	1	205	9	1	402		2	227	40			
Pennsylvania	13	851	8	5	1,439	39	6	1,715	129	3	1,865	37	4	1,239	96		1	58
Rhode Island													1	143	15			
South Carolina	4	77		2	119	4	1	149	7				1	26	1			
South Dakota				1	93	2	1	35	1				1	68	6			
Tennessee	6	231	16	4	603	15	3	601	6	3	321	5	2	136	12			
Texas	6	608	70	4	517	17	2	473	30	2	304	8	2	140	13		1	13
Utah				1	62	1	1	44					1	30	4			
Vermont								87										
Virginia	4	276		5	537	8	2	370	18	1	78		1	103	6			
Washington	1	4		2	153	4							2	226	65		1	45
West Virginia				1	123	3	1	117	2				1	40	5			
Wisconsin	4	175		2	454	16	2	505	34	1	388	4	1	196	18			
Wyoming				1	22													

¹ United States has 5 schools reporting 1,350 men and 229 women pursuing courses in osteopathy.

Source: Bureau of Education, Department of the Interior.

No. 132.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS:
LIBRARIES AND OTHER PROPERTY, 1925-26

State	Volumes in libraries	Value of libraries, scientific apparatus, machinery, and furniture	Value of grounds	Value of buildings (including dormitories)	Value of dormitories	Productive funds
Continental United States	37, 549, 483	Dollars 219, 073, 684	Dollars 225, 731, 958	Dollars 811, 438, 850	Dollars 159, 906, 803	Dollars 978, 012, 929
Alabama	287, 674	1, 402, 982	1, 385, 228	6, 870, 640	2, 059, 336	4, 463, 647
Arizona	70, 000	538, 750	515, 000	1, 634, 500	475, 500	10, 000
Arkansas	138, 985	886, 273	515, 523	3, 520, 135	1, 479, 449	2, 079, 733
California	1, 847, 482	12, 596, 053	10, 034, 581	35, 746, 291	4, 896, 515	53, 995, 283
Colorado	438, 722	2, 613, 793	1, 473, 026	10, 521, 843	461, 000	3, 832, 781
Connecticut	2, 162, 330	8, 015, 353	1, 402, 038	45, 034, 463	13, 398, 614	53, 311, 831
Delaware	32, 297	543, 190	310, 085	1, 403, 342	362, 500	535, 249
District of Columbia	780, 111	2, 083, 554	1, 933, 613	19, 870, 458	628, 480	5, 825, 459
Florida	137, 759	2, 648, 905	2, 599, 300	3, 858, 030	1, 306, 174	2, 539, 770
Georgia	423, 709	2, 787, 383	3, 727, 408	12, 983, 617	3, 188, 292	9, 727, 657
Idaho	112, 667	827, 734	279, 760	1, 922, 100	410, 000	2, 408, 619
Illinois	2, 696, 196	13, 156, 924	16, 948, 889	53, 176, 368	5, 850, 220	75, 135, 908
Indiana	902, 469	4, 632, 518	4, 020, 317	22, 238, 477	4, 748, 437	15, 755, 330
Iowa	972, 628	8, 355, 964	5, 286, 703	22, 050, 012	4, 119, 407	13, 638, 907
Kansas	570, 976	5, 453, 586	2, 970, 237	13, 269, 676	2, 097, 241	6, 415, 361
Kentucky	358, 188	2, 727, 310	2, 986, 296	9, 678, 598	3, 101, 660	7, 900, 102
Louisiana	244, 711	2, 388, 295	1, 961, 419	11, 708, 831	1, 483, 646	8, 406, 003
Maine	347, 002	3, 497, 903	177, 104	5, 012, 195	666, 914	5, 232, 340
Maryland	691, 606	4, 215, 728	4, 428, 417	48, 040, 550	3, 436, 517	27, 117, 632
Massachusetts	4, 020, 795	11, 292, 949	17, 208, 372	65, 363, 606	17, 879, 458	159, 040, 222
Michigan	1, 071, 931	10, 766, 545	9, 823, 145	28, 874, 152	4, 362, 895	9, 202, 231
Minnesota	879, 471	6, 624, 091	8, 874, 170	25, 415, 985	4, 099, 729	15, 501, 608
Mississippi	196, 225	2, 108, 840	1, 487, 970	7, 040, 412	2, 518, 635	3, 443, 330
Missouri	1, 084, 224	8, 925, 600	4, 468, 781	20, 807, 449	5, 108, 013	26, 708, 872
Montana	153, 930	977, 959	076, 423	4, 201, 174	509, 301	2, 369, 029
Nebraska	387, 255	2, 651, 806	3, 250, 187	9, 860, 665	662, 766	4, 096, 793
Nevada	44, 725	298, 951	110, 000	653, 406	172, 518	338, 439
New Hampshire	292, 876	1, 154, 000	920, 000	6, 100, 000	2, 435, 000	8, 685, 415
New Jersey	1, 152, 167	2, 346, 857	4, 139, 736	10, 654, 368	2, 454, 817	26, 611, 058
New Mexico	65, 017	614, 656	296, 000	1, 580, 135	418, 503	1, 247, 630
New York	4, 308, 562	19, 253, 239	37, 578, 993	112, 910, 151	13, 465, 096	146, 461, 750
North Carolina	520, 288	4, 131, 825	4, 061, 022	21, 315, 549	8, 061, 418	13, 549, 825
North Dakota	144, 243	1, 415, 790	350, 246	3, 116, 931	394, 644	4, 146, 316
Ohio	2, 226, 858	12, 325, 896	14, 880, 079	46, 308, 196	8, 694, 523	55, 995, 247
Oklahoma	178, 250	2, 172, 567	724, 284	6, 717, 371	1, 286, 795	5, 088, 262
Oregon	362, 304	2, 149, 059	1, 913, 310	6, 897, 100	1, 015, 633	4, 566, 637
Pennsylvania	2, 656, 767	20, 124, 419	19, 652, 623	74, 015, 478	9, 212, 165	78, 395, 013
Rhode Island	390, 000	342, 000	1, 133, 000	5, 199, 000	1, 000, 000	8, 600, 880
South Carolina	364, 891	2, 531, 160	4, 366, 345	12, 439, 372	2, 793, 308	3, 988, 998
South Dakota	168, 025	1, 338, 484	1, 047, 643	4, 276, 287	677, 381	2, 834, 637
Tennessee	428, 353	2, 861, 733	4, 384, 578	15, 440, 206	2, 620, 632	17, 052, 088
Texas	841, 664	8, 031, 537	9, 188, 600	26, 094, 430	6, 927, 301	32, 554, 216
Utah	197, 755	1, 224, 598	185, 873	4, 018, 550	64, 500	697, 690
Vermont	208, 710	738, 251	170, 195	3, 646, 628	1, 044, 023	4, 739, 975
Virginia	685, 403	3, 685, 636	2, 748, 184	18, 747, 003	3, 729, 904	13, 743, 966
Washington	407, 411	2, 121, 455	2, 221, 840	8, 045, 274	508, 945	9, 115, 847
West Virginia	179, 151	1, 592, 531	2, 555, 398	7, 333, 809	1, 074, 873	3, 022, 101
Wisconsin	710, 389	5, 497, 196	4, 123, 405	15, 820, 122	1, 770, 143	10, 597, 698
Wyoming	61, 330	521, 800	218, 000	2, 160, 000	200, 000	1, 796, 071
OUTLYING AREAS						
Alaska Territory	7, 279	108, 318	2, 338	180, 665	25, 000	
Hawaii Territory	35, 447	325, 622	827, 247	535, 343	43, 815	5, 500
Porto Rico	16, 300	257, 000	55, 000	356, 360		12, 000

Source: Bureau of Education, Department of the Interior.

No. 133.—NURSE TRAINING, COMMERCIAL, SUMMER, AND REFORM SCHOOLS

NOTE.—Summer schools are chiefly those run by universities, colleges, and normal schools

State	Nurse-training schools, 1927		Commercial schools, 1925		Summer schools, 1925		Reform schools, 1927	
	Schools	Students	Schools	Students	Schools	Students	Schools	Students
Continental United States.....	1,722	75,638	739	188,363	648	850,076	158	84,317
Alabama.....	30	827	8	1,599	13	8,963	3	1,374
Arizona.....	3	155	4	588	2	859	1	166
Arkansas.....	18	899	7	907	4	2,057	1	325
California.....	54	3,649	45	11,204	15	19,070	6	2,688
Colorado.....	21	953	13	4,861	9	8,607	2	712
Connecticut.....	26	1,441	20	4,468	2	184	2	872
Delaware.....	4	132	2	126	1	389	3	275
District of Columbia.....	11	848	4	2,979	3	1,824	2	950
Florida.....	19	652	8	2,352	2	1,616	1	856
Georgia.....	32	962	8	2,265	13	6,504	3	442
Idaho.....	10	202	3	286	6	1,723	1	442
Illinois.....	118	6,807	57	18,294	34	23,090	7	7,124
Indiana.....	32	1,699	31	7,193	20	11,503	3	2,481
Iowa.....	50	2,079	22	5,111	16	7,282	4	1,183
Kansas.....	54	1,220	18	4,628	17	11,298	3	1,500
Kentucky.....	25	766	13	3,205	10	3,816	2	1,581
Louisiana.....	14	719	9	3,254	7	6,293	1	324
Maine.....	29	667	9	707	6	1,619	3	530
Maryland.....	27	1,566	5	1,297	8	2,018	6	2,064
Massachusetts.....	90	4,682	29	6,991	15	7,512	9	2,824
Michigan.....	42	2,336	16	3,041	11	11,768	5	2,937
Minnesota.....	59	3,723	17	4,833	9	3,269	0	1,325
Mississippi.....	31	673	6	412	6	1,601	1	372
Missouri.....	31	1,560	16	7,576	19	12,340	3	1,212
Montana.....	14	432	6	2,181	3	1,824	2	338
Nebraska.....	23	1,083	9	1,017	14	8,872	3	695
Nevada.....					1	165	1	46
New Hampshire.....	21	449	2	245	3	610	1	239
New Jersey.....	49	2,091	23	5,700	3	1,627	6	3,597
New Mexico.....	2	28	2	478	6	1,167	1	44
New York.....	130	8,347	83	20,740	28	32,518	14	9,923
North Carolina.....	47	1,208	5	560	20	10,842	1	606
North Dakota.....	15	593	4	234	8	3,814	1	250
Ohio.....	75	3,866	44	12,468	30	16,725	7	9,851
Oklahoma.....	30	651	16	4,986	14	15,311	3	743
Oregon.....	16	565	6	2,597	6	3,028	2	389
Pennsylvania.....	160	7,968	53	14,022	39	21,662	9	6,148
Rhode Island.....	10	847	7	801	2	449	2	513
South Carolina.....	24	552	6	468	4	2,556	3	675
South Dakota.....	18	462	4	986	11	3,232	1	213
Tennessee.....	30	1,113	15	2,244	10	8,386	5	1,145
Texas.....	65	2,156	30	7,505	43	21,751	2	8,573
Utah.....	5	374	3	1,399	3	2,295		
Vermont.....	12	308			3	1,072	1	348
Virginia.....	42	1,313	8	1,464	14	9,695	4	915
Washington.....	23	1,070	15	4,690	8	5,820	5	1,721
West Virginia.....	36	702	12	2,004	13	6,200	2	938
Wisconsin.....	38	1,766	10	2,621	13	9,865	2	967
Wyoming.....	7	118	1	56	1	1,400	2	122
OUTLYING AREAS								
Hawaii Territory.....			3	322	1	655		
Philippine Islands.....	7	420	5	1,603				
Porto Rico.....	2	68	7	551	1	1,111	1	327

Source: Bureau of Education, Department of the Interior.

No. 134.—SCHOOLS FOR BLIND, DEAF, AND FEEBLE-MINDED, 1927

NOTE.—Philippine Islands has 1 school for the blind with 21 pupils and 1 State school for the deaf with 101 pupils and Porto Rico has 1 school for the blind with 28 pupils and 1 private school for the deaf with 48 pupils

State	Schools for the blind		Schools for the deaf						Institutions for the feeble-minded					
			State schools		Public day schools		Private schools		State institutions		Public day schools ¹		Private institutions	
	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Inmates	Cities reporting schools	Pupils	Schools	Inmates
Continental United States	78	6,036	68	13,033	83	3,515	15	885	51	40,701	218	51,814	34	2,416
Alabama.....	2	140	2	842										
Arizona.....	1	2	1	32										
Arkansas.....	2	163	2	846										
California.....	2	163	1	193	7	883	1	30	1	321	5	1,890	1	16
Colorado.....	1	71	1	167					2	336	1	626	1	14
Connecticut.....	1	60	2	318					1	701	7	762		
Delaware.....									1	112				
District of Columbia.....			1	135							1	711		
Florida.....	2	71	2	214					1	415				
Georgia.....	1	106	2	297	1	4	1	12	1	92	1	461		
Idaho.....	1	21	1	68					2	349				
Illinois.....	2	300	1	411	4	464	1	118	1	5,673	6	2,884	2	86
Indiana.....	1	147	1	306	1	9			1	1,626	4	330		
Iowa.....	1	114	1	309	5	69			1	1,769	10	1,320	1	53
Kansas.....	1	130	1	249	2	25			1	693	4	202		
Kentucky.....	2	112	2	350					1	520	1	360	1	113
Louisiana.....	2	79	1	165	1	11	1	67	1	202	1	118		
Maine.....	1	32	1	109					1	694	1	40		
Maryland.....	2	114	2	219	1	82	2	53						
Massachusetts.....	2	309	3	433	2	169			2	3,364	21	3,667	3	145
Michigan.....	2	197	1	304	9	386	1	34	1	2,751	13	5,858	3	78
Minnesota.....	4	283	1	253	4	150			1	2,396	28	2,250	1	38
Mississippi.....	1	75	2	220										
Missouri.....	1	113	1	311	2	109	2	192	1	577	3	718	2	32
Montana.....			1	86					1	284	2	99		
Nebraska.....	1	55	1	195	1	22			1	941	2	293		
New Hampshire.....					1	4			1	487	1	19		
New Jersey.....	3	88	1	275	3	125			3	2,392	27	3,264	5	742
New Mexico.....	1	34												
New York.....	6	451	7	1,639	4	531			5	10,080	15	10,898	4	133
North Carolina.....	2	219	2	416					1	503	1	345		
North Dakota.....	1	35	1	124					1	518				
Ohio.....	7	478	1	478	7	286	1	97	1	2,524	15	3,548	1	36
Oklahoma.....	1	143	1	345			1	13	1	346				
Oregon.....	1	48	1	116	1	38			1	201	1	232		
Pennsylvania.....	3	432	4	1,051	2	137	3	183	3	4,402	18	7,446	5	274
Rhode Island.....	1	102	1	102					1	433	3	535		
South Carolina.....	2	95	2	269					1	342				
South Dakota.....	1	39	1	105					1	426				
Tennessee.....	2	236	2	292							1	105	1	22
Texas.....	2	339	2	629	3	51			1	241	2	162		
Utah.....	1	34	1	113					1	132	1	23		
Vermont.....			1	45					1	260				
Virginia.....	2	99	2	268					1	575	3	585	1	104
Washington.....	3	94	1	131	4	123			1	315	4	1,326		
West Virginia.....	1	109	1	262							1	13		
Wisconsin.....	3	164	1	194	18	337	1	81	2	1,529	14	724	2	526
Wyoming.....									1	160				

¹ Backward and subnormal pupils.

Source: Bureau of Education, Department of the Interior.

No. 135.—SCHOOLS FOR BLIND, DEAF, AND FEEBLE-MINDED: CONTINENTAL UNITED STATES

Kind of school	Number of schools			Number of teachers				Number of pupils			
	1910	1922	1927	1910	1922	1927		1910	1922	1927	
						Male	Female			Male	Female
Schools for the blind.....	48	63	78	531	721	220	633	4,323	4,915	3,321	2,714
Schools for the deaf, total.....	130	154	168	1,498	1,901	443	1,840	12,548	14,328	9,228	8,207
State.....	57	61	65	1,238	1,414	402	1,310	10,309	10,738	7,017	6,016
City day schools.....	53	74	82	189	351	19	308	1,508	2,611	1,776	1,739
Private.....	20	10	15	101	196	22	192	639	679	433	452
Schools for the feeble-minded and subnormal, total.....	41	214	303	340	1,956	318	3,177	17,570	62,214	68,966	45,056
State.....	25	51	51	270	492	116	404	16,678	38,761	24,355	25,436
City day schools.....	13	133	218	1,321	1,752	175	2,543	892	22,067	33,214	18,000
Private.....	16	30	34	70	143	25	170		1,386	1,307	1,019

Source: Bureau of Education, Department of the Interior.

No. 136.—VOCATIONAL EDUCATION: TEACHERS AND PUPILS IN VOCATIONAL SCHOOLS AND TEACHER-TRAINING COURSES

NOTE.—See headnote, Table 137. Data for 1926, 1927, and 1928 include Hawaii

Class of school or course	Teachers					Pupils				
	1920	1924	1926	1927	1928	1920	1924	1926	1927	1928
VOCATIONAL SCHOOLS										
Total, all classes.....	7,689	16,192	13,717	18,900	20,779	265,058	652,594	753,418	784,988	866,466
Male.....	4,992	9,898	11,808	12,259	13,658	163,223	349,224	406,732	450,026	492,458
Female.....	2,677	6,294	6,909	6,641	7,121	101,830	303,370	346,686	334,960	365,998
Evening.....	2,565	6,778	6,979	7,380	8,065	73,122	193,274	210,238	212,377	247,968
Part time.....	1,773	8,630	4,316	4,131	4,590	122,974	321,191	369,186	383,144	398,917
All day.....	3,351	5,766	7,143	7,255	7,824	68,962	134,873	168,852	183,767	203,261
Short-unit course.....		118	279	194	300		3,256	5,142	5,098	8,310
Agricultural.....	1,570	3,454	4,858	4,804	5,434	31,801	95,984	109,528	124,937	144,901
Male.....	1,568	3,453	4,838	4,801	5,425	29,351	91,366	102,935	119,161	139,359
Female.....		2	20	3	9	1,950	4,618	6,593	5,776	5,542
Evening.....		591	920	878	1,007		15,227	19,239	26,227	35,192
Part time.....		55	208	181	274		2,143	2,716	3,622	4,458
All day.....	1,570	2,890	3,451	3,611	3,853	31,801	65,368	82,431	89,390	96,041
Short-unit course.....		118	279	194	300		3,256	5,142	5,098	8,310
Trade and industrial.....	4,462	8,328	9,183	9,553	10,536	184,819	409,843	486,685	495,929	537,611
Male.....	3,408	6,412	6,929	7,423	8,192	133,872	297,814	368,755	380,508	432,643
Female.....	1,054	1,916	2,254	2,130	2,344	50,947	142,029	162,930	165,121	184,968
Evening.....	1,779	3,386	3,227	3,813	4,146	48,354	84,973	89,694	97,574	114,629
Part time, total.....	1,636	3,199	3,819	3,677	4,037	115,241	291,608	332,192	347,939	365,543
Trade extension.....	350	773	1,137	963	1,300	17,159	35,475	41,834	39,400	42,531
General continuation.....	1,286	2,426	2,682	2,714	2,737	98,082	256,133	290,358	308,533	323,012
All day.....	1,047	1,743	2,137	2,068	2,303	21,224	33,262	44,799	50,116	57,439
Home economics.....	1,637	4,410	4,676	4,543	4,809	48,938	156,767	177,205	164,420	175,944
Male.....	16	33	41	32	41	5	44	42	357	456
Female.....	1,621	4,377	4,635	4,511	4,768	48,933	156,723	177,163	164,063	175,488
Evening.....	786	2,801	2,832	2,689	2,912	24,765	93,074	101,305	83,576	98,147
Part time.....	137	276	289	273	229	7,733	27,440	34,278	31,683	25,916
All day.....	714	1,333	1,555	1,581	1,688	16,437	36,253	41,622	44,261	45,881
TEACHER-TRAINING COURSES										
Total, all classes.....	1,082	1,021	853	930	773	12,456	18,686	16,806	13,189	17,573
Male.....	657	602	528	590	466	6,985	11,424	11,596	10,565	9,498
Female.....	425	419	325	340	307	5,471	7,262	5,210	2,624	8,074
In agriculture.....	293	241	200	208	162	2,310	4,747	3,927	3,187	2,304
Trade and industry.....	359	358	315	344	289	6,150	8,320	9,651	9,050	9,330
Home economics.....	414	392	338	378	324	3,652	5,619	6,223	5,962	5,848
Other and not specified.....	16					344				

Source: Federal Board for Vocational Education.

No. 137.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL COURSES

NOTE.—Institutions federally aided are established under the act known as the Smith-Hughes Act, or the national vocational education act. It provides for a continuing appropriation from Federal funds for the purpose of cooperating with the States in the establishment and maintenance of programs for vocational education of lower than college grades, for the preparation of teachers to instruct under these plans, and for the administration of these Federal funds by the Federal Board for Vocational Education

Division and State	Federally aided										State aided, 1928
	Total number				1928						
	1920	1924	1927	1928	Male	Female	Agriculture	Trade and industry	Home economics		
United States ¹	265,058	662,594	784,986	858,456	493,458	365,998	144,801	537,611	175,944	140,575	
New England.....	28,768	71,121	87,862	93,417	34,342	34,075	2,390	46,345	19,659	79	
Maine.....	1,064	1,848	1,731	1,535	775	760	499	276	760	-----	
New Hampshire.....	507	463	543	717	677	40	351	366	-----	-----	
Vermont.....	423	638	505	609	501	108	187	323	99	-----	
Massachusetts.....	23,086	68,398	56,371	67,172	26,054	31,118	709	39,230	17,224	79	
Rhode Island.....	980	2,612	3,019	3,382	2,112	1,270	355	1,985	1,042	-----	
Connecticut.....	2,743	2,262	5,093	5,002	4,223	779	289	4,156	557	-----	
Middle Atlantic.....	78,901	188,764	274,314	294,664	169,985	133,679	5,997	271,708	16,959	87,150	
New York.....	18,185	94,919	172,721	182,850	102,476	80,375	2,351	180,499	-----	62,169	
New Jersey.....	8,311	20,208	25,896	37,405	23,241	14,164	973	31,079	4,753	24,981	
Pennsylvania.....	52,165	67,577	75,727	74,409	35,209	39,140	2,673	59,530	12,206	-----	
East North Central.....	69,393	175,371	181,084	173,803	96,791	75,811	28,135	90,798	53,681	27,683	
Ohio.....	10,783	28,841	34,472	39,953	25,205	14,748	8,435	29,763	10,755	-----	
Indiana.....	13,625	10,255	10,412	19,788	10,533	9,225	3,483	7,868	8,407	3,572	
Illinois.....	15,179	45,640	44,836	42,203	24,711	17,552	6,151	26,344	9,765	41	
Michigan.....	10,889	36,645	40,386	42,815	25,220	17,595	7,300	26,798	8,708	-----	
Wisconsin.....	18,817	46,490	21,088	27,813	11,122	16,601	2,787	9,013	16,043	24,070	
West North Central.....	25,143	51,392	47,855	53,097	30,751	22,316	15,782	20,440	16,865	2,866	
Minnesota.....	3,466	8,925	8,023	8,939	5,241	3,698	2,234	4,344	2,361	-----	
Iowa.....	4,171	6,995	8,580	8,487	6,059	2,428	3,823	5,585	1,079	-----	
Missouri.....	12,975	10,490	12,635	14,703	7,472	6,901	3,377	5,921	6,405	-----	
North Dakota.....	1,680	1,352	2,620	2,394	1,161	1,153	989	254	1,091	-----	
South Dakota.....	420	1,001	1,211	1,278	642	630	547	100	631	1,340	
Nebraska.....	789	9,030	9,835	11,632	4,985	6,097	2,242	3,667	5,773	21	
Kansas.....	1,742	5,029	5,025	6,644	4,901	743	2,520	2,569	555	1,505	
South Atlantic.....	15,843	46,481	71,850	81,679	67,692	24,087	35,863	28,429	17,387	17,121	
Delaware.....	1,130	1,775	1,922	2,156	1,267	889	327	1,264	565	-----	
Maryland.....	1,430	3,006	5,237	5,806	3,772	2,084	968	3,129	1,679	-----	
Virginia.....	3,152	6,564	11,160	12,020	9,873	2,147	5,848	4,977	1,195	3,121	
West Virginia.....	1,646	2,918	3,040	3,326	2,379	947	941	1,543	842	38	
North Carolina.....	1,869	11,838	16,834	19,583	13,562	6,421	9,279	5,455	5,249	0,800	
South Carolina.....	1,802	6,670	10,322	14,280	12,871	1,359	6,820	3,269	1,141	4,428	
Georgia.....	3,766	11,033	16,897	17,408	10,027	7,441	6,900	5,763	4,800	4,110	
Florida.....	1,188	4,077	6,378	6,690	3,841	2,840	1,750	3,024	1,916	-----	
East South Central.....	8,348	23,850	31,504	33,568	25,974	7,622	19,448	8,669	5,459	2,709	
Kentucky.....	2,656	3,748	5,700	6,087	4,293	1,834	3,059	1,446	1,582	-----	
Tennessee.....	1,998	9,480	11,298	10,005	7,338	3,367	5,467	3,152	2,296	-----	
Alabama.....	1,838	6,684	6,493	9,631	8,260	1,375	5,501	2,945	1,125	-----	
Mississippi.....	1,844	3,938	5,013	6,973	5,977	996	5,301	1,140	466	2,709	
West South Central.....	7,084	31,608	41,634	52,106	23,168	23,947	13,334	13,773	18,688	2,702	
Arkansas.....	2,103	4,100	5,904	6,850	5,609	1,241	5,304	843	703	1,103	
Louisiana.....	1,280	6,752	6,415	8,007	4,774	3,233	2,286	3,995	1,727	1,052	
Oklahoma.....	883	5,015	14,233	13,129	6,386	6,743	4,123	3,659	5,347	4,28	
Texas.....	2,813	15,741	16,082	24,119	11,369	12,730	7,622	5,276	11,221	119	
Mountain.....	10,323	19,927	32,455	32,923	21,854	11,069	10,147	14,468	8,308	266	
Montana.....	855	1,098	1,252	1,300	1,171	219	790	381	219	-----	
Idaho.....	1,301	398	2,202	2,897	2,012	885	1,371	682	844	-----	
Wyoming.....	645	2,431	3,033	3,760	2,319	890	1,077	2,031	592	10	
Colorado.....	3,951	4,683	13,373	11,677	8,513	3,164	2,979	6,629	2,069	-----	
New Mexico.....	751	1,308	2,264	2,166	1,720	476	563	1,247	386	24	
Arizona.....	2,095	3,830	2,901	3,169	1,987	1,172	1,593	825	741	-----	
Utah.....	6,472	4,896	6,016	7,021	2,933	4,088	1,571	2,118	3,332	-----	
Nevada.....	253	813	1,189	883	708	175	203	555	125	-----	
Pacific.....	15,612	44,180	55,206	67,318	35,487	31,851	7,569	42,613	17,136	-----	
Washington.....	1,408	4,893	7,064	7,708	5,497	2,271	1,705	4,933	1,100	-----	
Oregon.....	3,394	3,377	3,359	4,177	2,490	1,687	1,221	1,822	1,134	-----	
California.....	10,810	35,910	44,783	55,373	27,480	27,893	4,643	35,828	14,902	-----	
Hawaii.....	-----	-----	1,202	2,085	544	1,541	286	360	-----	-----	

¹ Includes Hawaii in 1927 and 1928.

Source: Federal Board for Vocational Education.

No. 138.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL TEACHER-TRAINING COURSES

NOTE.—Data relate only to institutions federally aided under vocational education act

Division and State	Total number					1928				
	1920	1924	1926	1927	1928	Male	Female	Agriculture	Trade and industry	Home economics
United States ¹	12,456	18,688	10,806	18,199	17,572	9,498	8,074	2,394	9,330	5,848
New England	1,228	1,975	1,283	1,508	1,152	604	488	171	528	455
Maine	32	53	54	33	91	74	17	9	63	17
New Hampshire	20	58	20	36	97	35	62	5	30	62
Vermont	73	(²)	7	109	4	4	—	(²)	4	(¹)
Massachusetts	749	817	779	860	719	415	304	132	316	271
Rhode Island	238	286	254	274	135	67	68	10	51	68
Connecticut	66	161	149	194	106	60	37	9	60	37
Middle Atlantic	1,620	3,007	4,064	4,519	4,343	2,668	1,675	173	3,107	1,063
New York	1,091	1,704	2,043	2,191	1,811	998	813	—	1,189	622
New Jersey	125	107	538	512	591	363	228	43	430	118
Pennsylvania	404	1,136	1,483	1,816	1,941	1,307	634	130	1,488	323
East North Central	2,770	4,420	4,055	2,971	3,032	1,641	1,391	187	2,250	595
Ohio	1,236	794	1,481	1,683	1,694	897	197	—	509	85
Indiana	634	619	457	743	689	424	255	52	372	205
Illinois	355	859	833	903	1,058	454	604	78	909	71
Michigan	196	1,359	803	496	553	291	262	47	395	111
Wisconsin	279	789	471	136	138	75	63	10	65	63
West North Central	1,286	2,738	2,846	2,363	2,119	887	1,262	334	817	968
Minnesota	386	269	718	623	452	180	272	96	222	134
Iowa	181	1,424	1,019	753	445	243	202	37	305	163
Missouri	242	466	508	157	381	219	162	56	208	117
North Dakota	131	93	117	142	197	31	166	31	—	166
South Dakota	71	197	122	185	183	24	159	18	6	159
Nebraska	195	235	172	241	224	97	127	33	76	115
Kansas	100	102	100	262	237	63	174	63	(²)	174
South Atlantic	1,029	2,020	3,019	1,989	1,847	1,008	839	431	768	648
Delaware	51	45	50	62	72	50	22	20	36	16
Maryland	84	150	142	282	349	272	77	25	304	20
Virginia	269	477	959	419	522	214	308	173	59	290
West Virginia	141	294	507	350	277	191	86	126	114	37
North Carolina	205	260	231	140	254	74	180	59	15	180
South Carolina	92	186	179	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Georgia	169	526	871	504	281	155	126	—	208	73
Florida	48	82	80	92	92	52	40	28	32	32
East South Central	765	663	739	773	1,087	622	415	392	271	374
Kentucky	146	235	107	(²)	228	171	57	92	79	57
Tennessee	31	67	159	193	191	106	85	32	102	57
Alabama	310	192	319	362	348	217	131	164	54	130
Mississippi	268	168	154	218	270	128	142	104	36	130
West South Central	955	1,490	997	1,344	1,530	840	690	302	614	614
Arkansas	161	154	85	80	62	27	35	12	22	23
Louisiana	203	145	120	265	134	63	71	63	11	60
Oklahoma	141	531	315	492	318	156	162	69	87	162
Texas	450	660	377	507	1,016	594	422	158	494	364
Mountain	936	1,768	1,939	1,639	1,122	634	488	291	347	484
Montana	81	134	89	59	61	26	35	20	(²)	35
Idaho	64	80	105	123	133	74	59	43	30	60
Wyoming	24	122	132	113	134	109	25	44	65	25
Colorado	330	908	815	654	472	290	182	114	181	177
New Mexico	206	(²)	67	46	14	7	7	7	—	7
Arizona	24	25	480	142	108	50	58	36	14	68
Utah	203	469	239	474	100	51	109	15	36	109
Nevada	4	30	12	25	40	27	13	6	21	13
Pacific	1,877	1,157	922	1,061	1,331	554	777	113	616	609
Washington	130	55	117	208	284	102	182	15	205	64
Oregon	127	315	94	161	241	118	123	41	70	121
California	1,620	887	711	682	306	334	472	57	332	417
Hawaii	—	—	62	94	59	10	49	—	14	45

¹ Includes Hawaii in 1926, 1927, and 1928. ² No report.

³ Not including 677 enrolled in foreman instructor training. In other years, enrollment in this course is included in figures for the State.

Source: Federal Board for Vocational Education.

No. 139.—VOCATIONAL EDUCATION: EXPENDITURES UNDER THE VOCATIONAL EDUCATION ACT, FOR YEARS ENDED JUNE 30

EXPENDITURES FOR ALL SCHOOLS, EXCEPT TEACHER TRAINING

Classification of expenditure	1920	1922	1924	1926	1927	1928
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Total.....	6,888,500	12,694,781	16,551,549	20,932,690	22,148,188	23,350,702
From Federal money.....	1,745,298	2,852,208	3,817,054	5,560,200	5,709,700	5,791,067
From State money.....	2,008,306	3,500,045	4,220,660	5,173,761	6,480,707	6,992,020
From local money.....	3,134,896	6,143,468	8,506,928	10,218,030	10,952,781	11,567,615
Agricultural schools.....	2,437,285	4,058,440	5,261,144	7,184,480	7,460,206	7,608,914
From Federal money.....	889,888	1,436,475	1,800,600	2,656,880	2,794,600	2,844,464
From State money.....	678,824	1,039,488	1,204,644	1,571,427	1,516,058	1,539,662
From local money.....	868,575	1,583,477	2,156,094	2,956,147	3,158,638	3,224,788
Trade or industrial schools.....	2,408,919	3,843,561	5,064,666	6,194,107	6,463,109	7,193,998
From Federal money.....	599,385	782,500	1,042,217	1,512,544	1,533,924	1,599,063
From State money.....	786,568	1,124,808	1,350,968	1,580,116	1,758,772	2,000,178
From local money.....	1,112,966	1,936,253	2,662,479	3,101,447	3,170,413	3,585,757
Home economics schools.....	1,054,489	2,118,503	2,742,306	3,137,394	3,337,828	3,721,132
From Federal money.....	155,768	245,886	321,026	499,631	485,514	492,158
From State money.....	329,634	671,383	740,318	816,626	907,902	1,073,784
From local money.....	569,087	1,201,294	1,671,061	1,827,137	1,944,412	2,155,190
Part-time general continuation schools.....	987,807	2,574,217	3,493,363	4,456,729	4,875,955	4,826,658
From Federal money.....	190,259	388,407	548,304	891,229	892,002	855,352
From State money.....	213,280	703,366	921,739	1,211,592	1,303,675	1,369,396
From local money.....	584,268	1,422,444	2,023,311	2,353,908	2,679,318	2,601,880

EXPENDITURES FOR TEACHER-TRAINING INSTITUTIONS

Total.....	1,646,663	2,218,308	2,291,251	2,229,010	2,370,488	2,368,921
From Federal money.....	731,204	997,851	1,013,926	988,367	1,016,010	1,030,323
From State money.....	661,979	924,894	948,567	975,321	1,013,684	1,030,890
From local money.....	253,480	295,403	328,758	265,322	340,794	297,708
Training teachers of agriculture.....	556,580	740,051	750,354	797,143	811,887	811,706
From Federal money.....	260,835	337,590	342,358	349,112	348,007	352,216
From State money.....	232,013	309,105	313,981	354,833	360,314	359,091
From local money.....	73,732	93,356	100,015	0,198	103,566	100,468
Training teachers of trade or industrial subjects.....	490,655	699,721	710,232	706,217	740,988	743,109
From Federal money.....	226,765	323,515	322,814	322,255	335,395	337,891
From State money.....	210,199	316,548	319,770	322,064	337,054	340,499
From local money.....	53,691	59,658	73,641	57,298	68,039	65,710
Training teachers of home economics.....	599,428	778,436	818,603	725,650	817,563	804,047
From Federal money.....	253,604	336,746	348,754	313,000	332,108	340,216
From State money.....	219,767	290,241	14,807	267,824	316,296	322,300
From local money.....	126,057	142,449	155,042	111,826	169,159	141,531

TOTAL EXPENDITURES FROM FEDERAL MONEY, BY STATES

State	1920	1926	1928	State	1920	1926	1928
	Dollars	Dollars	Dollars		Dollars	Dollars	Dollars
Total.....	2,476,503	6,648,857	6,821,380	Nebraska.....	33,292	77,969	85,790
Alabama.....	54,672	139,792	151,501	Nevada.....	13,849	21,281	21,222
Arizona.....	18,146	32,643	32,643	New Hampshire.....	10,913	27,633	20,450
Arkansas.....	43,016	106,804	116,859	New Jersey.....	63,564	198,961	204,215
California.....	70,477	220,025	226,278	New Mexico.....	19,144	28,410	28,539
Colorado.....	23,001	62,189	63,671	New York.....	191,061	658,362	667,616
Connecticut.....	39,028	83,891	84,976	North Carolina.....	45,185	162,292	175,141
Delaware.....	17,612	26,001	27,019	North Dakota.....	20,211	43,797	52,603
Florida.....	24,187	56,761	64,530	Ohio.....	131,378	371,295	373,915
Georgia.....	69,412	193,631	194,599	Oklahoma.....	39,391	123,072	134,272
Idaho.....	20,181	32,882	34,496	Oregon.....	24,071	53,533	64,684
Illinois.....	159,998	406,352	408,940	Pennsylvania.....	190,694	492,711	506,367
Indiana.....	74,206	194,897	193,348	Rhode Island.....	20,728	45,372	47,390
Iowa.....	64,940	136,137	151,095	South Carolina.....	44,262	112,494	113,474
Kansas.....	86,606	89,982	84,333	South Dakota.....	10,872	41,892	45,609
Kentucky.....	51,413	119,706	149,823	Tennessee.....	45,477	157,218	156,850
Louisiana.....	43,390	95,629	109,879	Texas.....	90,740	292,248	308,296
Maine.....	19,672	28,554	34,817	Utah.....	19,062	35,652	35,652
Maryland.....	26,684	71,900	73,970	Vermont.....	17,602	22,247	27,638
Massachusetts.....	100,881	246,058	246,550	Virginia.....	62,761	150,204	152,780
Michigan.....	82,748	222,788	241,153	Washington.....	34,947	81,230	88,137
Minnesota.....	65,322	141,439	148,190	West Virginia.....	28,609	69,062	72,140
Mississippi.....	49,393	120,871	120,871	Wisconsin.....	60,966	169,238	176,057
Missouri.....	74,626	222,281	225,004	Wyoming.....	13,383	29,862	29,168
Montana.....	18,990	37,488	37,197	Hawaii.....		15,521	27,465

Source: Federal Board for Vocational Education.

**No. 140.—VOCATIONAL REHABILITATION OF PERSONS DISABLED IN
INDUSTRY OR OTHERWISE: YEARS ENDED JUNE 30**

NOTE.—Relates only to cases aided by Federal funds. The total expenditure in 1928 (fiscal year) comprised:
Federal funds, \$650,770; State and private funds, \$884,062

State	Number rehabilitated						Live cases on roll June 30					
	1922	1924	1925	1926	1927	1928	1922	1924	1925	1926	1927	1928
Total.....	1,800	5,594	5,825	5,604	5,092	5,012	8,147	13,044	12,727	13,606	16,148	116,393
Alabama.....	11	118	132	132	136	129	152	353	574	608	832	1,124
Arizona.....		10	9	12	19	41		17	16	18	28	40
Arkansas ¹		3	3	19	22	26		6	10	162	214	320
California.....	82	275	102	227	235	207	606	424	517	630	675	735
Colorado ²					10	7				2	30	44
Florida ³												204
Georgia.....	10	65	59	51	69	86	118	267	229	287	376	403
Idaho.....	4	35	27	29	25	26	81	75	56	54	40	66
Illinois.....	7	319	185	472	417	469	144	859	961	729	688	600
Indiana.....	61	123	139	184	145	99	321	261	372	472	539	511
Iowa.....	8	101	94	79	41	61	72	741	681	532	380	293
Kentucky.....		288	1	60	55	60		48	132	244	400	422
Louisiana.....	31	13	51	56	64	71	43	56	74	79	116	191
Maine.....	12	15	9	19	20	11	71	74	100	112	115	156
Massachusetts.....	4	90	106	102	148	129	170	209	183	310	304	287
Michigan.....	34	286	315	321	282	305	398	746	606	1,027	847	801
Minnesota.....	119	210	208	212	139	157	432	420	344	309	414	374
Mississippi.....	27	177	190	232	159	142	554	744	693	515	610	679
Missouri.....	50	69	46	14			146	129	102	(c)		
Montana.....	9	30	18		16	15	127	174	117	91	78	74
Nebraska.....	1	61	59	72	73	46	106	139	143	146	182	139
Nevada.....	11	8	20	14	15	7	19	37	26	30	9	22
New Jersey.....	181	942	1,441	702	711	594	180	131	603	354	635	717
New Mexico.....	3	4	8	9	12	10	40	40	25	91	67	62
New York.....	267	575	637	673	434	509	1,234	2,402	1,278	863	1,828	1,498
North Carolina.....	13	112	94	96	84	102	153	654	637	685	768	721
North Dakota.....		7	9	10	25	25		26	59	97	104	97
Ohio.....	258	615	692	551	561	555	832	958	834	872	832	652
Oklahoma ³				8	18	59				277	763	1,184
Oregon ⁴		26	42	41	35	41		70	30	42	102	76
Pennsylvania.....	409	415	475	453	490	435	858	800	867	1,302	1,677	1,302
Rhode Island.....	4	4	4	6	9	8	11	22	22	28	37	31
South Carolina ⁴						1						69
South Dakota.....	5	17	15	17	14	14	92	154	172	114	121	114
Tennessee.....	29	51	79	193	178	160	247	387	616	895	685	729
Utah.....	1	33	35	38	35	34	66	60	51	70	80	73
Virginia.....	35	120	103	88	80	75	78	119	361	258	329	314
West Virginia.....	109	146	173	171	126	114	347	615	379	364	222	249
Wisconsin.....	138	235	235	227	181	174	487	754	805	909	1,112	899
Wyoming.....	2	15	10	8	6	2	23	13	12	30	40	158

¹ The status of these cases on June 30, 1928, was as follows: Eligible but not in process of rehabilitation, 5,802; in process of rehabilitation but not in training, 4,484; in school training, 4,475; in employment training, 584; all other, 938.

² Cooperation with Federal Government began in fiscal year ended June 30, 1924.

³ Cooperation with Federal Government began in fiscal year ended June 30, 1926.

⁴ Cooperation with Federal Government began in fiscal year ended June 30, 1928.

⁵ Live roll not reported.

Source: Federal Board for Vocational Education.

6. PUBLIC LANDS AND NATIONAL PARKS

GENERAL NOTE.—An original entry is a first claim to receive a given tract of public land. Perfected entry of the claim is made after required lapse of time and compliance with other conditions

No. 141.—ACREAGE OF ENTRIES AND PATENTS OF PUBLIC LAND

Class	1927 ¹			1928 ¹		
	Original entries	Perfected entries	Patented ²	Original entries	Perfected entries	Patented ²
Total.....	3,471,743	2,797,038	4,456,893	3,614,518	1,986,697	2,477,867
Homesteads.....	3,236,704	2,583,627	3,042,257	3,300,816	1,815,549	1,933,068
Section 2280, Revised Statutes ³	316,145	109,675	404,015	325,201	149,719	224,272
June 17, 1902 (reclamation)	9,955	7,331	12,399	24,975	8,660	8,028
Apr. 28, 1904 (Kinkaid)	6,224	7,618	3,194	6,286	5,707	2,182
June 11, 1906 (forest)	11,205	23,767	33,833	9,139	16,469	21,466
Feb. 19, 1909 (enlarged)	294,204	395,153	570,962	315,070	230,655	288,200
June 9, 1916 (O. & C. land grant)	27,235	17,987		18,763	13,437	
Dec. 29, 1916 (stock raising)	2,671,646	1,932,096	2,400,605	2,667,392	1,394,902	1,387,278
Indian.....			217,245			1,642
Timber and stone.....		24,445	25,450		14,591	17,482
Coal land.....		517	240		80	317
Desert land.....	34,856	55,984	76,188	80,947	39,042	43,701
Mineral land.....		37,037	56,430		50,600	52,802
Public auction.....		26,589	39,205		17,448	28,459
State selection.....	176,049			55,254		
Railroad selection.....	14,092		117,920	106,454		84,920
Miscellaneous.....	9,982	68,839	492,225	6,047	48,787	317,028

¹ Year ended June 30.

² Includes Indian lands.

³ Original act.

No. 142.—ORIGINAL ENTRIES OF PUBLIC AND INDIAN LAND: ACREAGE UNDER ALL ACTS, YEARS ENDED JUNE 30

Item and State	1911-1915, total	1916-1920, total	1921-1925, total	1926	1927	1928
Total.....	83,037,350	73,192,850	140,618,290	13,243,446	13,594,838	13,726,421
Public land.....	78,698,382	68,663,397	139,598,619	13,116,858	13,471,743	13,614,518
Indian land.....	4,338,968	4,529,453	1,110,670	126,588	123,095	111,903
All homesteads.....	66,553,270	61,312,782	136,188,601	13,001,403	13,359,182	13,478,219
Stock-raising homesteads.....		14,024,083	26,752,562	2,250,485	2,993,790	2,751,213
Other entries.....	16,484,080	11,880,068	4,430,689	242,043	235,050	248,202
Total acreage in—						
Alabama.....	201,020	80,228	34,320	5,517	4,253	
Alaska.....	46,000	99,153	51,322	5,396	7,314	5,402
Arizona.....	2,683,329	6,894,068	3,406,675	170,815	224,466	372,659
Arkansas.....	960,135	612,068	215,396	34,851	25,130	23,833
California.....	4,754,715	3,117,582	2,621,522	339,837	337,601	388,974
Colorado.....	9,183,377	10,108,447	5,084,809	357,404	420,780	345,925
Florida.....	561,440	188,067	171,867	50,600	14,711	9,699
Idaho.....	5,173,996	3,971,195	2,082,582	212,092	213,392	160,958
Kansas.....	373,343	436,717	46,015			
Louisiana.....	92,634	67,065	21,702	2,623	3,109	
Michigan.....	79,951	41,020	21,894			
Minnesota.....	1,450,591	783,983	192,433	17,409	9,708	15,404
Mississippi.....	120,674	63,203	22,753			
Missouri.....	51,108	4,789	160			
Montana.....	22,638,090	14,785,465	4,903,029	858,384	393,023	393,890
Nebraska.....	5,367,451	494,289	128,302	8,541	11,911	19,373
Nevada.....	1,231,945	905,132	465,749	114,044	45,845	65,701
New Mexico.....	9,389,348	9,351,322	7,140,706	449,841	595,811	697,619
North Dakota.....	2,286,245	937,821	136,312	19,772	10,599	13,006
Oklahoma.....	412,045	192,220	87,242	16,960	10,511	
Oregon.....	3,598,122	2,688,515	2,140,587	140,473	220,512	138,373
South Dakota.....	3,577,067	4,168,633	1,389,637	67,044	61,874	66,174
Utah.....	2,069,805	1,698,720	1,635,737	332,895	282,513	213,982
Washington.....	1,840,663	1,220,018	842,992	27,863	19,309	22,847
Wisconsin.....	63,910	21,033	10,712			
Wyoming.....	4,023,211	10,162,685	7,704,001	802,985	701,049	767,704

¹ Figures include entries made at the General Land Office and discontinued offices.
² 1918-1920 only.

Source of Tables 141 and 142: General Land Office, Department of the Interior.

No. 143.—HOMESTEADS: ACREAGE OF ENTRIES OF PUBLIC LAND, YEARS ENDED JUNE 30

Item and State	All homesteads						Stock raising only, 1928
	1911-1915, total	1916-1920, total	1921-1925, total	1926	1927	1928	
Original entries, total.....	162,214,302	56,783,329	135,079,617	2,874,896	13,236,764	13,366,816	12,667,392
Alabama.....	240,902	79,400	34,139	5,517	4,253	-----	-----
Alaska.....	25,342	115,138	51,012	5,387	7,176	5,402	-----
Arizona.....	1,660,655	1,153,864	1,452,551	143,069	203,925	302,304	170,600
Arkansas.....	940,384	612,668	215,172	34,851	25,136	23,833	480
California.....	2,192,577	2,477,967	2,201,327	303,996	303,501	331,999	163,270
Colorado.....	7,740,338	9,166,561	4,368,182	257,967	327,918	265,890	221,865
Florida.....	544,376	137,187	168,086	50,111	14,671	9,603	-----
Idaho.....	4,160,456	3,285,340	1,842,656	205,433	196,810	157,599	135,369
Kansas.....	355,496	436,088	46,016	-----	-----	-----	-----
Louisiana.....	85,684	65,117	14,746	2,623	3,109	-----	-----
Michigan.....	76,741	41,020	21,804	-----	-----	-----	-----
Minnesota.....	392,698	96,656	47,147	13,957	8,161	15,140	-----
Mississippi.....	110,313	63,203	22,768	-----	-----	-----	-----
Missouri.....	33,665	4,189	160	-----	-----	-----	-----
Montana.....	19,078,259	12,323,575	4,528,483	345,726	340,843	345,422	288,993
Nebraska.....	5,106,548	404,095	122,986	8,541	11,911	19,373	3,406
Nevada.....	672,613	340,860	281,532	38,996	41,523	41,834	34,024
New Mexico.....	5,204,483	7,500,839	6,765,704	435,152	553,308	662,427	605,406
North Dakota.....	2,129,644	790,023	128,417	18,540	9,129	10,555	5,694
Oklahoma.....	390,896	183,756	80,546	15,360	10,511	-----	-----
Oregon.....	3,138,103	2,599,364	2,118,054	144,952	154,242	135,565	100,573
South Dakota.....	2,204,050	2,861,849	1,177,594	57,202	53,606	55,134	51,015
Utah.....	1,537,780	1,305,605	1,456,411	276,776	252,130	2,202,200	174,540
Washington.....	1,124,407	603,091	288,671	20,849	14,266	13,411	8,324
Wisconsin.....	62,620	19,435	10,071	-----	-----	-----	-----
Wyoming.....	2,923,357	9,976,381	7,634,649	487,390	695,391	783,297	712,850
Original entries, stock-raising homesteads (incl. above).....	-----	13,721,422	26,260,485	2,170,028	2,571,646	2,667,392	-----

PERFECTED ENTRIES, ALL HOMESTEADS, ENTIRE UNITED STATES *

1868.....	355,086	1884.....	2,945,575	1900.....	3,477,843	1916.....	7,278,281
1869.....	604,302	1885.....	3,032,079	1901.....	5,241,121	1917.....	8,497,300
1870.....	510,728	1886.....	2,663,532	1902.....	4,342,748	1918.....	8,230,438
1871.....	629,162	1887.....	2,749,037	1903.....	3,576,964	1919.....	6,524,760
1872.....	707,410	1888.....	3,175,401	1904.....	3,232,717	1920.....	8,372,696
1873.....	1,224,891	1889.....	3,681,709	1905.....	3,419,387	1921.....	7,726,740
1874.....	1,535,732	1890.....	4,060,593	1906.....	3,526,749	1922.....	7,807,034
1875.....	2,068,538	1891.....	3,954,588	1907.....	3,740,568	1923.....	5,594,259
1876.....	2,590,553	1892.....	3,259,897	1908.....	4,242,711	1924.....	4,791,436
1877.....	2,407,828	1893.....	3,477,232	1909.....	3,699,467	1925.....	4,048,911
1878.....	2,662,981	1894.....	2,929,947	1910.....	3,795,863	1926.....	3,451,106
1879.....	2,070,842	1895.....	2,680,809	1911.....	4,620,197	1927.....	2,583,627
1880.....	1,938,235	1896.....	2,790,243	1912.....	4,306,069	1928.....	1,816,549
1881.....	1,928,205	1897.....	2,778,404	1913.....	10,009,285	-----	-----
1882.....	2,219,454	1898.....	3,095,018	1914.....	9,291,121	Total.....	230,558,231
1883.....	2,604,415	1899.....	3,134,140	1915.....	7,180,982	-----	-----

*Totals include entries made at the General Land Office and discontinued offices.

*Includes entries of abandoned military reservations.

*1918-1920 only.

*Includes stock-raising homesteads, 1910, 90,000 acres; 1920, 622,610; 1921, 1,755,099; 1922, 2,399,384; 1923, 2,627,066; 1924, 2,822,211; 1925, 2,753,924; 1926, 2,497,007; 1927, 1,932,096; 1928, 1,384,902.

No. 144.—STOCK-RAISING HOMESTEADS: ORIGINAL ENTRIES OF PUBLIC AND INDIAN LAND FROM PASSAGE OF ACT TO JUNE 30, 1923

State	Entries	Acres	State	Entries	Acres
Total.....	120,774	48,442,182	Nebraska.....	474	82,663
Arizona.....	3,401	1,555,743	Nevada.....	660	350,790
Arkansas.....	4	1,000	New Mexico.....	22,462	9,722,974
California.....	6,222	2,499,441	North Dakota.....	732	219,113
Colorado.....	10,154	6,217,102	Oklahoma.....	366	71,349
Idaho.....	5,802	2,536,505	Oregon.....	6,880	2,723,021
Kansas.....	233	53,506	South Dakota.....	6,992	2,377,322
Michigan.....	5	1,821	Utah.....	3,236	1,730,322
Montana.....	16,398	5,634,307	Washington.....	1,413	446,595
-----	-----	-----	Wyoming.....	29,328	12,202,365

Source of Tables 143 and 144: General Land Office, Department of the Interior.

No. 145.—TIMBER AND STONE, COAL, MINERAL, AND DESERT LAND ENTRIES OF PUBLIC LAND

State	From passage of act to June 30, 1928				Year ended June 30, 1928				
	Timber and stone	Coal	Desert land		Timber and stone	Coal	Mineral	Desert land	
			Original	Perfected				Original	Perfected
Acres of entries.....	18,814,022	604,363	32,695,948	8,562,738	14,591	60	50,600	39,947	22,797
Alabama.....	43,735	239							
Alaska.....							3,413		
Arizona.....	2,943	6,693	2,567,402	347,350			1,825	14,105	2,300
Arkansas.....	2,859,702				1,906				
California.....	2,805,481	5,535	5,159,824	879,669	1,826		6,300	8,337	2,534
Colorado.....	399,629	1,216,609	3,224,223	706,382	440		2,350	385	2,069
Dakota Territory.....		584	20,021	300					
Florida.....	108,956								
Idaho.....	1,012,047	3,277	3,109,651	1,025,403	1,617		2,260	1,145	2,077
Iowa.....	119								
Louisiana.....	150,277								
Michigan.....	149,667								
Minnesota.....	1,408,613				566				
Mississippi.....	19,818								
Montana.....	664,005	64,758	5,981,054	2,762,171	160		874	978	2,518
Nebraska.....	97								
Nevada.....	6,502	1,661	640,444	158,603			1,401	5,732	2,653
New Mexico.....	26,613	2,168,516	282,375				866	40	310
North Dakota.....	8,646	8,544	85,279	20,094					
Oklahoma.....	40								
Oregon.....	3,812,413	10,572	1,111,758	297,395	5,885		206	400	1,198
South Dakota.....	63,909	3,624	609,291	101,761			71		
Utah.....	3,196	75,828	1,497,733	451,153			30,062	5,289	5,130
Washington.....	2,167,689	64,894	997,954	70,865	405	80			
Wisconsin.....	80,362								
Wyoming.....	452,589	113,024	5,532,796	1,509,214	464		1,283	3,480	1,948
General Land Office.....	3,237	8			1,113				
Number of entries.....	107,526	4,416	158,967	46,438	168	1	288	249	157
Money payment, dollars.....	35,451,694	11,921,002	7,867,490	8,671,172	66,594	1,600	154,670	9,953	22,798

1 Includes 58,496 acres within the Ute Reservation.

No. 146.—ACREAGE OF PUBLIC LAND CERTIFIED OR PATENTED ON ACCOUNT OF RAILWAY AND WAGON-ROAD GRANTS: YEARS ENDED JUNE 30

	1911-1915, total	1916-1920, total	1921-1925, total	1924	1925	1926	1927	1928
Railway grants, total	4,711,489	5,878,674	6,186,079	1,571,675	440,416	229,090	117,403	54,374
Alabama.....	40	120					161	115
Arizona.....	337,533	1,163,775	3,451,578	842,672	219,278	9,700	19,999	4,107
Arkansas.....	80		227		160			80
California.....	649,809	819,262	1,032,815	214,613	94,601	89,719	70,332	21,463
Colorado.....	240	160	14,482	100	723	190		
Florida.....	19,975		639			40		120
Idaho.....	203,971	102,108	170,611	2,862				
Iowa.....	11	80						
Kansas.....			40	40				
Louisiana.....	9,441	484					19	810
Michigan.....	55						87	
Minnesota.....	24,823	5,744	328		10	49	317	4,370
Missouri.....		240	600					
Montana.....	2,862,095	1,704,549	251,343	35,562				
Nebraska.....			200					
Nevada.....	76,394	615,222	712,564	209,306	123,066	32,580	9,527	44,696
New Mexico.....	70,505	1,525,406	844,121	191,792	1,137	96,984	15,552	8,406
North Dakota.....	53,597	623	70					
Oregon.....	117,678	39,372	23,980	597				1,472
Utah.....	14,617	112,551	160	180				80
Washington.....	257,955	381,113	169,283	74,112	1,394	1,088	308	
Wisconsin.....	2,041	720	1,405	1,160	40	720	244	
Wyoming.....	10,629	7,844	14,624	1,638				
Wagon-road grants.....	253,234	19,637	34,356	1,965	15,259		1,392	1,866

Source of Tables 145 and 146: General Land Office, Department of the Interior.

No. 147.—ACREAGE OF LAND CERTIFIED OR PATENTED UNDER RAILWAY OR WAGON-ROAD GRANTS FROM 1850 TO JUNE 30, 1928

State grants, total.....	37,802,904	Minnesota, total.....	8,045,292
Illinois: Illinois Central.....	2,605,133	St. Paul, Minneapolis & Manitoba (formerly first division, St. Paul & Pacific).....	
Mississippi, total.....	1,075,345	Western R. R. (succeeded by St. Paul & Northern Pacific R. R. Co.).....	3,272,149
Mobile & Ohio River.....	737,130	St. Paul, Minneapolis & Manitoba (formerly St. Vincent extension of the St. Paul & Pacific).....	
Vicksburg & Meridian.....	199,102	Minnesota Central.....	179,734
Gulf & Ship Island.....	139,113	Winona & St. Peter.....	1,680,975
Alabama, total.....	2,746,838	St. Paul & Sioux City.....	1,126,619
Mobile & Ohio.....	1,419,528	St. Paul & Duluth.....	861,091
Alabama & Florida.....	399,023	Southern Minnesota, from a point on the Mississippi River to Houston.....	546,745
Selma, Rome & Dalton.....	458,671	Southern Minnesota Extension (now Chicago, Milwaukee & St. Paul).....	
Coosa & Tennessee.....	67,735	Hastings & Dakota.....	377,978
Mobile & Girard.....	302,131	Minnesota, North Dakota, Montana, and Washington: St. Paul, Minneapolis & Manitoba, now Great Northern (main and branch), a special act (Aug. 6, 1892, 27 Stat. L. 390) to provide for indemnity for lands relinquished by the company.....	(4)
Alabama & Chattahoochee.....	654,170	Kansas, total.....	4,634,197
South & North Alabama.....	445,478	Leavenworth, Lawrence & Galveston.....	1,249,446
Florida, total.....	2,217,770	Missouri, Kansas & Texas.....	1,970,593
Florida Central & Peninsular.....	742,463	Atchison, Topoka & Santa Fe.....	2,944,788
Florida & Alabama.....	166,601	St. Joseph & Denver City.....	463,309
Pensacola & Georgia.....	1,279,237	Corporation grants, total.....	93,670,387
Florida, Atlantic & Gulf Central.....	29,384	Union Pacific.....	11,935,281
Louisiana: Vicksburg, Shreveport & Pacific.....	372,908	Central Pacific.....	7,386,060
Arkansas, total.....	2,562,402	Central Pacific (successor by consolidation with Western Pacific).....	461,498
St. Louis, Iron Mountain & Southern.....	1,325,622	Central branch, Union Pacific.....	223,139
Little Rock & Fort Smith.....	1,052,083	Union Pacific (Kansas division).....	6,176,384
Memphis & Little Rock.....	184,697	Union Pacific (successor to Denver Pacific Railway Co.).....	821,324
Missouri, total.....	1,837,968	Burlington & Missouri River in Nebraska.....	2,374,091
Southwest branch of the Pacific road.....	1,161,285	Sioux City & Pacific (now Missouri Valley Land Co.).....	42,611
Hannibal & St. Joseph.....	611,323	Northern Pacific.....	39,030,490
St. Louis, Iron Mountain & Southern.....	65,360	Oregon branch of Central Pacific (California & Oregon).....	3,219,184
Iowa, total.....	4,929,849	Oregon & California.....	2,777,632
Burlington & Missouri River.....	339,990	Atlanta & Pacific (now Santa Fe Pacific).....	11,283,133
Chicago, Rock Island & Pacific.....	453,214	Southern Pacific (main line).....	4,634,230
Cedar Rapids & Missouri River.....	161,533	Southern Pacific (branch line).....	2,225,751
Dubuque & Sioux City.....	222,825	Oregon Central.....	123,618
Iowa Falls & Sioux City.....	244,023	New Orleans Pacific.....	1,001,943
Des Moines Valley (river-improvement grant).....	256,407	Wagon roads, total.....	3,296,618
Chicago, Milwaukee & St. Paul, formerly McGregor & Missouri River.....	683,037	From Lake Erie to Connecticut Western Reserve.....	80,774
Sioux City & St. Paul.....	840,171	From Lake Michigan to Ohio River.....	170,680
Michigan, total.....	3,133,580	From Fort Wilkens, Copper Harbor, Mich., to Green Bay, Wis.....	302,931
Port Huron & Lake Michigan.....	37,467	From Fort Wilkens, Copper Harbor, Mich., to Wisconsin State line.....	221,013
Jackson, Lansing & Saginaw.....	743,828	Oregon Central Military Co. (now California & Oregon Land Co.).....	877,944
Grand Rapids & Indiana.....	852,521	Corvallis and Yaquina Bay.....	83,717
Flint & Pere Marquette.....	513,130	Willamette Valley and Cascade Mountain.....	861,512
Marquette, Houghton & Ontonagon.....	305,930	Dalles Military Road.....	592,907
Ontonagon & Brule River.....	34,227	Coos Bay Military Road.....	105,240
Bay de Noyet & Marquette.....	123,301		
Chicago & North Western.....	518,185		
Wisconsin, total.....	3,651,513		
Chicago, St. Paul, Minneapolis & Omaha (formerly West Wisconsin).....	814,671		
Wisconsin Railroad Farm Mortgage Land Co.....	163,160		
Chicago, St. Paul, Minneapolis & Omaha (formerly St. Croix & Lake Superior).....	816,483		
Branch to Bayfield.....	471,721		
Chicago & North Western.....	546,446		
Wisconsin Central.....	339,028		

¹ In the adjustment of this grant the road was treated as an entirety and without reference to the State line. Hence Alabama has had approved to her more and Mississippi less than they would appear to be entitled to in proportion to the length of road in the respective States.

² Includes 35,985 acres of the Chicago, Rock Island & Pacific Ry.; 109,757 acres of the Cedar Rapids & Missouri River R. R.; and 77,535 acres of the Dubuque & Sioux City R. R., situated in the old Des Moines River grant of Aug. 3, 1846, which should be deducted.

³ Declared to be one grant.

⁴ See Minnesota for original grants.

⁵ Leavenworth, Lawrence & Galveston includes 186,937 acres and Missouri, Kansas & Texas 270,971 acres in the Osage ceded reservation which are to be deducted under decision of the Supreme Court.

No. 148.—LAND GRANTS (INCLUDING SCRIP) TO STATES FOR EDUCATIONAL AND OTHER PURPOSES: ACREAGE TO JUNE 30, 1928

NOTE.—Does not include grants to States for specific railroad and wagon road companies covered by Table 147. The column "Internal improvements" covers only general items so designated

State	Total	Common schools	Universities and agricultural education	Other educational	Miscellaneous institutions	Internal improvements	Swamp	All other
Total.....	202,707,457	99,188,948	13,522,437	3,182,800	13,221,890	11,469,245	64,786,921	7,325,219
Alabama.....	2,258,262	911,027	286,080	96,080	181	500,000	439,634	24,660
Alaska.....	21,845,209	21,009,209	339,000	339,000	—	—	—	—
Arizona.....	10,489,236	5,083,156	396,080	450,000	450,000	—	—	1,100,000
Arkansas.....	9,372,993	933,778	196,080	—	—	500,000	7,685,455	56,080
California.....	8,425,320	5,534,293	196,080	—	—	500,000	2,188,547	6,400
Colorado.....	4,433,538	3,685,618	137,680	—	32,000	500,000	—	78,240
Connecticut.....	180,000	—	180,000	—	—	—	—	—
Delaware.....	90,000	—	90,000	—	—	—	—	—
Florida.....	21,969,400	976,307	90,000	92,160	—	500,000	20,306,822	5,120
Georgia.....	270,000	—	270,000	—	—	—	—	—
Idaho.....	3,631,965	2,063,698	186,080	200,000	1,250,000	—	—	32,187
Illinois.....	3,630,226	3,996,320	480,000	46,080	—	533,368	1,460,868	123,589
Indiana.....	4,306,253	668,578	300,000	46,080	—	1,918,800	1,250,191	25,000
Iowa.....	3,019,646	1,221,813	286,080	—	—	500,000	1,196,060	49,280
Kansas.....	3,606,783	2,907,520	143,762	—	—	500,000	—	55,501
Kentucky.....	352,500	—	330,000	—	22,500	—	—	—
Louisiana.....	11,019,719	807,271	210,212	46,080	—	500,000	9,456,156	—
Maine.....	210,000	—	210,000	—	—	—	—	—
Maryland.....	210,000	—	210,000	—	—	—	—	—
Massachusetts.....	360,000	—	360,000	—	—	—	—	—
Michigan.....	8,787,566	1,021,867	286,080	—	—	500,000	5,680,103	1,209,516
Minnesota.....	3,631,541	2,874,951	212,160	—	—	500,000	4,093,558	80,873
Mississippi.....	4,949,786	824,213	210,000	69,120	—	500,000	3,345,200	1,263
Missouri.....	5,674,486	1,221,813	330,000	46,080	—	500,000	3,427,953	48,040
Montana.....	5,869,618	5,108,258	186,560	202,000	100,000	—	—	182,800
Nebraska.....	3,458,711	2,730,951	136,080	—	82,000	500,000	—	50,680
Nevada.....	2,723,647	2,061,067	46,080	90,000	12,800	500,000	—	12,800
New Hampshire.....	150,000	—	150,000	—	—	—	—	—
New Jersey.....	210,000	—	210,000	—	—	—	—	—
New Mexico.....	12,656,027	8,711,324	562,703	650,000	750,000	—	—	1,982,000
New York.....	990,000	—	990,000	—	—	—	—	—
North Carolina.....	270,000	—	270,000	—	—	—	—	—
North Dakota.....	3,163,552	2,495,396	216,080	120,000	1,250,000	—	—	82,076
Ohio.....	2,492,926	724,266	630,000	69,120	—	1,019,072	26,262	24,216
Oklahoma.....	3,095,760	2,044,000	600,000	450,000	1,760	—	—	—
Oregon.....	4,352,133	3,399,360	136,080	—	—	500,000	264,213	52,480
Pennsylvania.....	780,000	—	780,000	—	—	—	—	—
Rhode Island.....	120,000	—	120,000	—	—	—	—	—
South Carolina.....	180,000	—	180,000	—	—	—	—	—
South Dakota.....	3,434,203	2,733,084	246,080	120,000	1,250,000	—	—	84,399
Tennessee.....	300,000	—	300,000	—	—	—	—	—
Texas.....	180,000	—	180,000	—	—	—	—	—
Utah.....	7,414,276	5,844,196	356,080	200,000	450,000	—	—	564,000
Vermont.....	150,000	—	150,000	—	—	—	—	—
Virginia.....	300,000	—	300,000	—	—	—	—	—
Washington.....	3,044,471	2,376,391	136,080	200,000	1,200,000	—	—	182,000
West Virginia.....	160,000	—	160,000	—	—	—	—	—
Wisconsin.....	6,220,117	982,329	332,160	—	—	500,000	3,356,879	1,048,749
Wyoming.....	4,188,569	3,470,009	136,080	—	1,420,000	—	—	112,480

¹ Includes "Educational and charitable" as follows: Idaho, 150,000 acres; North Dakota, 170,000 acres; South Dakota, 170,000 acres; Washington, 200,000 acres.

² Includes educational, penal, etc., 290,000 acres.

Source: General Land Office, Department of the Interior

No. 149.—ACREAGE OF PUBLIC AND INDIAN LAND PATENTED: YEARS ENDED JUNE 30

Class	1921-1925, total	1920-1925, total	1928	State	1921-1925, total	1920-1925, total	1928
Total	48,515,448	11,943,941	2,477,867	Alabama	54,118	25,417	6,242
Abandoned military reservation	62,504	13,773	3,353	Alaska	68,415	28,343	7,900
Coal	12,810	757	317	Arizona	5,084,864	419,007	93,009
Commuted homestead	331,201	83,022	22,780	California	2,782,158	876,225	16,106
Desert land	1,063,845	107,249	43,701	Colorado	5,644,673	1,457,273	231,458
Desert-land segregation	244,359	19,330	1,039	Florida	121,705	90,453	23,051
Forest exchange		31,618	14,008	Idaho	1,894,173	432,199	76,279
Forest homesteads	596,368	33,039	21,496	Illinois	3,331	723	
Forest lieu selection	161,840	26,088	1,515	Indiana	3,908	3,760	591
Homestead final	5,630,407	944,436	199,718	Iowa	1,424	290	139
Homestead enlarged	14,501,164	1,678,297	288,200	Kansas	157,307	13,562	2,670
Homestead stock-raising	12,100,452	6,301,562	1,387,278	Louisiana	77,737	83,311	36,619
Indian homestead	577,468	218,070	1,642	Michigan	75,943	9,755	2,955
Indian trust	2,715,051	768,065	201,682	Minnesota	327,094	72,330	36,550
Mineral	266,643	140,543	52,892	Mississippi	68,913	51,830	3,869
Miscellaneous cash	90,164	62,471	18,944	Missouri	5,669	2,304	452
Private land claim	137,271	40,471	13,225	Montana	9,094,114	2,165,796	482,435
Public sale	473,304	96,284	28,450	Nebraska	266,832	47,695	11,169
Railroad	6,186,467	431,800	84,920	Nevada	937,424	195,134	73,425
Reclamation homesteads	143,894	29,089	8,028	New Mexico	4,997,676	1,642,153	316,310
Small holding claim	16,087	3,827	540	North Dakota	601,987	60,056	13,295
Soldiers' additional	19,406	5,693	1,765	Ohio	3,4304	2,153	375
Special acts	741,801	62,412	13,266	Oklahoma	95,371	23,999	4,778
Swamp	58,589	68,245	46,248	Oregon	2,085,167	633,019	101,834
Timber sales	1,34,050	23,478	(?)	South Dakota	2,307,205	440,399	81,064
Timber and stone	240,082	63,718	17,482	Texas	1,071,475	389,703	114,480
Town lots	2,713	2,140	297	Utah	763,044	237,701	73,605
Town site	964	919	34	Washington	22,083	9,887	1,614
Miscellaneous	105,666	40,440	4,495	Wisconsin	7,033,673	1,843,250	407,637
				Wyoming			

1 Total for years 1924 and 1925.
 2 Area reported elsewhere.
 3 Total for years 1921 and 1923 to 1925.

Source: General Land Office, Department of the Interior

No. 150.—RECEIPTS UNDER THE MINERAL LEASING ACT OF FEBRUARY 25, 1920: FROM THE PASSAGE OF THE ACT TO JUNE 30, 1928

State	Total	1921-1923	1924	1925	1926	1927	1928
Total	Dollars 67,747,822	Dollars 26,105,481	Dollars 13,631,841	Dollars 5,278,709	Dollars 8,384,719	Dollars 6,669,519	Dollars 4,677,354
Alabama	91,901		85,460	920	920	1,585	3,036
California	17,333,531	11,662,664	957,481	1,037,007	1,092,493	1,194,680	1,389,800
Colorado	431,508	26,405	33,513	71,285	94,418	109,047	96,839
Idaho	5,743	374			924	1,963	2,482
Louisiana	23,094	846	2,206	625	833	14,216	3,898
Montana	1,469,450	513,006	225,501	172,684	249,691	168,897	119,070
Nevada	5,120			720	1,497	1,440	1,463
New Mexico	70,004	5,081	4,784	3,474	17,437	15,392	25,835
North Dakota	75,026	7,186	10,587	8,136	8,630	7,744	32,740
South Dakota	611	85	35	168	252	19	40
Utah	257,719	69,702	35,403	20,322	32,750	34,871	58,081
Washington	25,402	7,876	6,289	3,065	1,699	2,504	3,977
Wyoming	47,938,555	13,813,660	12,270,501	6,993,501	6,883,126	5,097,776	2,940,091

Source: General Land Office, Department of the Interior.

No. 151.—A. CREAGE OF PUBLIC LAND WITHDRAWN FROM SETTLEMENT AND RESTORATIONS THEREFROM

NOTE.—These figures cover withdrawals and restorations for purposes shown only. They do not include national forests (see tables in section 29, Forests and Forest Products), national parks (see Table 164), withdrawals under the reclamation act, or small miscellaneous reservations

	Coal land	Oil land	Phosphate land	Potash land	Power-site reserve ¹	Reservoir sites	Public water reserve
Withdrawals outstanding June 30—							
1920	40,138,742	6,751,436	2,724,394	130,100	3,687,819	62,854	240,363
1921	39,876,414	6,691,414	2,724,340	130,100	3,705,617	200,894	244,682
1922	34,969,402	6,580,611	2,425,404	130,100	3,084,350	202,438	255,240
1923	34,558,889	6,417,662	2,425,454	130,100	3,848,238	202,438	254,810
1924	31,951,634	5,995,930	2,390,873	130,100	3,833,141	210,422	255,232
1925	31,442,263	5,940,021	2,319,863	130,100	4,213,768	210,422	257,307
1926	31,128,509	5,802,617	2,320,023	7,548,537	4,490,621	253,608	359,556
1927	30,635,330	5,273,392	2,307,919	7,548,537	4,915,131	253,608	302,521
1928	30,145,779	5,269,402	2,298,323	7,548,497	4,904,827	254,628	302,876
Alabama					1,789		
Alaska					164,277		
Arizona	139,415	92,496			1,231,100		18,335
Arkansas					23,484		
California	17,603	1,178,302		90,638	600,773	45,266	187,688
Colorado	4,177,601	218,907			414,762		4,948
Florida			68,641				
Idaho	4,761		652,894		396,480		13,905
Louisiana		466,990					
Michigan					1,240		
Minnesota					12,309		
Montana	7,835,574	1,344,640	279,904		181,222	9,080	8,176
Nebraska					761		
Nevada	83,603			39,422	55,518		11,406
New Mexico	5,073,470			7,418,437	262,495		9,811
North Dakota	6,192,376	84,894				478	
Oregon	4,361				689,788	18,603	21,481
South Dakota							240
Utah	3,664,530	919,630	301,945		609,675	20,040	35,941
Washington	692,075				243,048	36,327	920
Wyoming	2,260,404	963,363	994,069		106,026	118,734	80,025
New withdrawals during year ended June 30—							
1924					87,434	7,984	107,205
1925					398,860		3,035
1926			280	7,418,437	278,389	43,186	5,850
1927	25,996				457,466		4,275
1928					84,789	920	31,153
Alabama					27,857		
Arizona							2,570
California					20,212	920	20,240
Colorado							2,563
Idaho							569
Montana					11,031		120
Nevada							1,760
Oregon							720
Utah					11,620		2,375
Wyoming					4,057		240
					80		
Restorations of lands previously withdrawn, year ended June 30—							
1924	2,606,735	421,723	34,581		52,590		6,783
1925	509,370	55,418	71,010		38,233		960
1926	313,754	137,904	120		22,436		3,591
1927	618,175	529,255	12,104		41,966		1,360
1928	389,551	3,960	9,596		5,081		798
Arizona							70
Arkansas					360		
California				40	57		8
Colorado	80				160		
Florida			9,596				
Montana	389,381						
Nevada	70						
Oregon					3,504		
Utah							720
Wyoming		3,960			638		

¹ Includes withdrawals under act of June 25, 1910, power-site designations under acts of June 20, 1910, and June 9, 1916, and power-site classifications under act of Mar. 3, 1879.

Source: General Land Office, Department of the Interior.

No. 152.—PUBLIC LAND: ACRES UNAPPROPRIATED AND UNRESERVED, JUNE 30

State	1890	1900	1910	1920	1926	1927	1928
Total	586,216,861	567,643,120	543,971,674	200,320,198	196,056,747	193,737,568	193,647,240
Alabama	1,105,060	359,260	108,210	87,200	32,260		
Arizona	49,699,052	50,286,986	41,491,369	18,268,909	18,090,711	16,961,100	18,199,100
Arkansas	4,902,329	3,493,444	512,705	276,595	221,316	227,529	218,911
California	53,922,718	42,467,512	24,864,884	19,585,801	20,667,431	20,610,877	20,422,083
Colorado	39,004,446	39,050,247	21,726,192	8,941,186	7,898,407	7,213,300	7,717,121
Florida	5,624,426	1,596,411	453,000	120,077	4,458	13,862	11,506
Idaho	46,957,290	43,286,694	24,743,804	8,805,512	10,990,470	10,847,882	10,764,857
Iowa	5,000						
Kansas	755,791	1,196,900	137,180	4,346			
Louisiana	1,365,853	442,224	88,911	14,240	9,597		
Michigan	832,707	430,483	107,890				
Minnesota	6,913,554	4,096,203	1,563,302	256,207	250,250	248,740	214,340
Mississippi	1,407,480	285,804	47,058	33,360			
Missouri	1,151,463	337,940	2,510	18			
Montana	64,807,627	67,963,057	36,015,943	5,973,741	6,696,924	6,942,527	7,192,318
Nebraska	11,226,524	9,798,688	1,879,486	66,844	32,611	30,001	28,623
Nevada	50,804,640	61,277,606	56,474,688	54,267,175	53,925,693	53,112,473	53,878,958
New Mexico	56,360,326	56,541,170	36,454,692	18,448,878	16,309,031	17,065,843	16,860,600
North Dakota	30,497,400	18,725,239	1,410,225	81,044	133,237	133,814	126,474
Oklahoma	3,604,693	5,733,572	5,007	7,404	28,772		
Oregon	38,273,228	34,377,607	17,580,573	14,006,757	13,250,430	13,176,634	13,423,703
South Dakota	10,241,498	11,030,809	4,562,804	288,472	300,956	383,800	396,200
Utah	36,205,100	42,967,451	35,955,554	20,991,715	26,872,218	26,250,172	25,094,956
Washington	19,646,316	11,125,883	3,190,059	1,036,686	866,207	631,544	877,921
Wisconsin	819,320	813,565	14,460	5,154			
Wyoming	49,010,060	48,358,169	34,575,159	19,679,595	19,849,762	19,679,690	17,510,560

¹ Exclusive of the Cherokee Strip, containing 8,004,644 acres, and all other lands owned or claimed by the Indians in the Indian Territory west of the ninety-sixth degree of longitude.

² Increase over area June 30, 1925, due to special check and revision of vacant land statistics.

³ Figures include 3,672,640 acres of unsurveyed land in public land strip.

Source: General Land Office, Department of the Interior.

No. 153.—AREA OF INDIAN RESERVATIONS AND INDIAN POPULATION OF THE UNITED STATES, EXCLUSIVE OF ALASKA: JUNE 30

State	Area of Indian reservations—unallotted square miles					Indian population				
	1880	1890	1900	1920	1923	1880	1890	1900	1920	1923
Total	241,800	192,991	121,665	55,792	47,265	256,127	243,584	270,544	336,937	355,901
Arizona	4,832	10,318	23,673	34,195	33,892	21,361	30,749	40,189	42,400	46,901
California	783	772	635	690	698	10,669	12,108	11,431	16,241	18,012
Colorado	10,480	1,710		610	619	2,530	1,793	695	796	835
Florida				42	42			575	454	606
Idaho	4,295	3,553	2,132	87	90	4,020	4,251	3,557	4,048	3,865
Indian Territory	64,236	40,412	30,400			176,805	163,225	186,265		
Iowa	1	2	4	5	2	355	399	385	345	397
Kansas	215	150	44			746	1,016	1,211	1,466	1,641
Michigan	104	42	13			7,428	7,557	7,557	7,510	7,607
Minnesota	7,853	3,623	2,443	865	868	6,198	6,403	8,052	12,681	15,310
Montana	45,870	16,540	14,845	5,538	895	21,650	10,842	10,076	12,374	13,734
Nebraska	682	214	117	10	12	4,409	3,254	3,854	2,461	4,323
Nevada	1,383	1,490	1,491	1,135	1,300	6,800	8,375	8,321	5,900	4,920
New Mexico	11,295	15,629	2,606	3,278	3,314	23,452	10,998	9,480	21,530	22,780
New York	135	137	137	137	137	5,139	5,112	5,394	6,432	4,419
North Carolina	102	102	154	99	99	2,200	3,060	1,436	8,268	12,309
North Dakota	87,214	9,158	5,784	156	2	27,168	7,759	8,276	9,018	10,890
Oklahoma		20,770	10,756	5	1		13,176	13,926	119,255	119,335
Oregon	6,022	3,242	2,031	1,860	1,752	5,355	4,507	4,063	6,629	6,731
South Dakota	(2)	18,221	14,050	568	425	(2)	19,696	10,212	23,010	23,124
Texas						290	290	290	702	2,109
Utah	3,186	6,207	3,186	626	531	840	2,211	2,115	3,067	1,574
Washington	10,821	6,321	3,646	2,655	1,335	14,239	6,530	6,827	11,114	13,673
Wisconsin	916	800	695	424	428	5,847	9,152	10,726	10,319	11,427
Wyoming	2,375	3,660	2,828	2,800	820	2,063	1,658	1,642	1,748	1,963
Miscellaneous						710	1,302	849	8,579	7,310

¹ Figures include the Five Civilized Tribes, with population as follows: 1880, 59,187; 1890, 65,200; 1900, 84,766; 1920 and 1923, 101,506, including 23,405 freedmen and 2,582 intermarried whites.

² Figures shown for North Dakota are for Dakota Territory.

Source: Commissioner of Indian Affairs, Department of the Interior

No. 154.—NATIONAL PARKS AND NATIONAL MONUMENTS

PARKS ADMINISTERED BY NATIONAL PARK SERVICE

Name	Location	When established	Area	Description
Total area (20 parks)			Sq. miles 11,848	
Hot Springs ¹	Middle Arkansas.	Apr. 20, 1832	1½	46 hot springs possessing curative properties—Many hotels and boarding houses—19 bathhouses under public control.
Yellowstone ¹	Northwestern Wyoming, southwestern Montana, and northeastern Idaho.	Mar. 1, 1872	23,348	More geysers than in all the rest of the world together—Boiling springs—Mud volcanoes—Petrified forests—Grand Canyon of the Yellowstone, remarkable for gorgeous coloring—Large lakes—Many large streams and waterfalls—Vast wilderness, greatest wild bird and animal preserve in the world—Exceptional trout fishing. The Big Tree National Park—Several hundred sequoia trees over 10 feet in diameter, some 25 to 37 feet in diameter—Towering mountain ranges—Startling precipices—Mount Whitney and Kern River country.
Sequoia ¹	Middle eastern California.	Sept. 25, 1890 July 3, 1926	604	Valley of world-famed beauty—Lofty cliffs—Romantic vistas—Many waterfalls of extraordinary height—3 groves of big trees—High Sierra—Waterwheel Falls—Good trout fishing.
Yosemite ¹	do.	Oct. 1, 1890 May 28, 1928 ²	1,126	Created to preserve the celebrated General Grant Tree, 35 feet in diameter.
General Grant ¹	do.	Oct. 1, 1890	4	Largest accessible single peak glacier system—23 glaciers, some of large size—48 square miles of glacier, 50 to 500 feet thick—Wonderful subalpine wild-flower fields.
Mount Rainier ¹	West central Washington.	Mar. 2, 1890 May 28, 1928	325	Lake of extraordinary blue in crater of extinct volcano—Sides 1,000 feet high—Interesting lava formation—Fine fishing.
Crater Lake ¹	Southwestern Oregon.	May 22, 1902	249	Cavern having many miles of galleries and numerous chambers containing peculiar formations.
Wind Cave ¹	South Dakota.	Jan. 9, 1903	17	Many sulphur and other springs possessing medicinal value.
Platt	Southern Oklahoma.	July 1, 1902 Apr. 21, 1904 June 29, 1905	14	Small park with woods, streams, a lake, is an important wild-animal preserve.
Sullys Hill	North Dakota.	Apr. 27, 1904	14	Most notable and best preserved prehistoric cliff dwellings in United States, if not in the world.
Mesa Verde ¹	Southwestern Colorado.	June 29, 1906 June 30, 1913 ³	77	Rugged mountain region of unsurpassed alpine character—250 glacier-fed lakes of romantic beauty—60 small glaciers—Precipices thousands of feet deep—Almost sensational scenery of marked individuality—Fine trout fishing.
Glacier ¹	Northwestern Montana.	May 11, 1910	1,534	Heart of the Rockies—Snowy range, peaks 11,000 to 14,265 feet altitude—Remarkable records of glacial period.
Rocky Mountain ¹	North middle Colorado.	Jan. 26, 1915 ³ Feb. 14, 1917 June 2, 1924 ³ June 9, 1926	378	Three separate volcanic areas—Kilauea and Mauna Loa on Hawaii; Haleakala on Maui.
Hawaii ¹	Hawaii	Aug. 1, 1916 May 1, 1922 ³ Apr. 11, 1928 ³	248	Only active volcano in United States proper—Lassen Peak, 10,465 feet—Cinder cone 6,879 feet—Hot Springs—Mud geysers.
Lassen Volcanic ¹	Northern California.	Aug. 9, 1916 Apr. 26, 1928 ³ May 21, 1928	124	Highest mountain in North America—Rises higher above surrounding country than any other mountain in the world.
Mount McKinley	South central Alaska.	Feb. 20, 1917 Jan. 30, 1922 ³	2,645	The greatest example of erosion and the most sublime spectacle in the world.
Grand Canyon ¹	North central Arizona.	Feb. 26, 1919 Feb. 5, 1927 ³ Mar. 7, 1928 ³	1,009	The group of granite mountains upon Mount Desert Island.
Lafayette ¹	Maine coast	do.	12	Magnificent gorge (Zion Canyon), depth from 800 to 2,000 feet, with precipitous walls—Of great beauty and scenic interest.
Zion ¹	Southwestern Utah.	Nov. 19, 1919	120	Box canyon filled with countless array of fantastically eroded pinnacles—Best exhibit of vivid coloring of earth's materials.
Bryce Canyon	do.	June 7, 1924 Feb. 25, 1928 ³ May 12, 1928 Sept. 15, 1928	22	

¹ General information circulars on these parks may be obtained free from Department of the Interior.

² In Wyoming, 3,114 square miles; in Montana, 198; in Idaho, 36.

³ Boundary changed.

No. 154.—NATIONAL PARKS AND NATIONAL MONUMENTS—Continued

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE

Name	Location	When established	Area	Description
Total area (32 monuments).....			<i>Acres</i> 2,383,188	
Devils Tower.....	Wyoming.....	Sept. 24, 1906	1,152	Remarkable natural rock tower, of volcanic origin, 1,200 feet in height.
Montezuma Castle.....	Arizona.....	Dec. 8, 1906	4160	Prehistoric cliff-dwelling ruin of unusual size in a niche in face of a vertical cliff. Of scenic and ethnologic interest.
El Morro.....	New Mexico.....	{Dec. 8, 1906 June 18, 1917}	240	Enormous sandstone rock eroded in form of a castle, upon which inscriptions have been placed by early Spanish explorers. Contains cliff-dweller ruins. Of great historic, scenic, and ethnologic interest.
Petrified Forest.....	Arizona.....	{Dec. 8, 1906 July 31, 1911}	25,625	Abundance of petrified coniferous trees, one of which forms a small natural bridge. Is of great scientific interest.
Chaco Canyon.....	New Mexico.....	{Mar. 11, 1907 Jan. 10, 1923}	421,509	Numerous cliff-dweller ruins, including communal houses in good condition, and but little excavated.
Muir Woods ¹	California.....	{Jan. 9, 1908 Sept. 22, 1921}	426	One of the most noted redwood groves in California, and was donated by Hon. William Kent, ex-Member of Congress. Located 7 miles from San Francisco.
Pinnacles.....	do.....	{Jan. 16, 1908 May 7, 1923 July 2, 1924}	2,980	Many spirelike rock formations, 600 to 1,000 feet high, visible many miles; also numerous caves and other formations.
Natural bridges.....	Utah.....	{Apr. 16, 1908 Sept. 26, 1909 Feb. 11, 1916}	42,740	Three natural bridges, among largest examples of their kind. Largest bridge is 222 feet high, 65 feet thick at top of arch, arch is 28 feet wide; span, 231 feet; height of span, 157 feet. Other two slightly smaller.
Lewis & Clark Cavern ²	Montana.....	{May 11, 1908 May 16, 1911}	160	Immense limestone cavern of great scientific interest, magnificently decorated with stalactite formations. Now closed to public because of depredations by vandals.
Tumacacori.....	Arizona.....	Sept. 15, 1908	10	Ruin of Franciscan mission dating from seventeenth century. Being restored by National Park Service as rapidly as funds permit.
Navajo.....	do.....	{Mar. 20, 1909 Mar. 14, 1912}	360	Contains numerous pueblo, or cliff-dweller ruins, in good preservation.
Shoshone Cavern.....	Wyoming.....	Sept. 21, 1909	210	Cavern of considerable extent, near Cody.
Gran Quivira.....	New Mexico.....	{Nov. 1, 1909 Nov. 29, 1919}	560	One of the most important of earliest Spanish mission ruins in the Southwest. Monument also contains pueblo ruins.
Sitka.....	Alaska.....	Mar. 23, 1910	57	Park of great natural beauty and historic interest as scene of massacre of Russians by Indians. Contains 16 totem poles of best native workmanship.
Rainbow Bridge.....	Utah.....	May 30, 1910	160	Unique natural bridge of great scientific interest and symmetry. Height 309 feet above water, and spans 278 feet, in shape of rainbow.
Colorado.....	Colorado.....	May 24, 1911	13,883	Many lofty monoliths, and is wonderful example of erosion, and of great scenic beauty and interest.
Papago Saguaro.....	Arizona.....	{Jan. 31, 1914 Dec. 28, 1922}	1,940	Splendid collection of characteristic desert flora and numerous pictographs. Interesting rock formations.
Dinosaur.....	Utah.....	Oct. 4, 1915	80	Deposits of fossil remains of prehistoric animal life of great scientific interest.
Capulin Mountain.....	New Mexico.....	Aug. 9, 1916	681	Cinder cone of geologically recent formation.
Verendrye.....	North Dakota.....	June 29, 1917	253	Includes Crownig Butte, from which Explorer Verendrye first beheld territory beyond the Missouri River.
Casa Grande.....	Arizona.....	{June 22, 1892 Dec. 10, 1909 Aug. 3, 1918 June 7, 1926}	472	These ruins are one of the most noteworthy relics of a prehistoric age and people within the limits of the United States. Discovered in ruinous condition in 1694.
Katmai.....	Alaska.....	{Sept. 24, 1918 Sept. 5, 1923}	1,087,990	Wonderland of great scientific interest in the study of volcanism. Phenomena exist upon a scale of great magnitude. Includes Valley of Ten Thousand Smokes.
Scotts Bluff.....	Nebraska.....	{Dec. 12, 1919 May 9, 1924}	1,894	Region of historic and scientific interest. Many famous old trails, traversed by the early pioneers in the winning of the West, passed over and through this monument.

¹ Estimated.² Donated to United States.

No. 154.—NATIONAL PARKS AND NATIONAL MONUMENTS—Continued

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE—Continued

Name	Location	When established	Area	Description
Yucca House ⁴	Colorado.....	Dec. 19, 1919	Acres 9.6	Located on eastern slope of Sleeping Ute Mountain. Is pile of masonry of great archaeological value, relic of prehistoric inhabitants.
Fossil Cycad.....	South Dakota.....	Oct. 21, 1922	320	Area containing deposits of fossil plants.
Aztec Ruin ⁴	New Mexico.....	Jan. 24, 1923	17	Prehistoric ruin of pueblo type containing 500 ruins.
Hovenweep.....	Utah-Colo.....	July 2, 1923	286	
Pipe Spring.....	Arizona.....	Mar. 2, 1923	40	Four groups of prehistoric towers, pueblos, and cliff dwellings.
Carlsbad Cave.....	Arizona.....	May 31, 1923	40	Old stone fort and spring of pure water in desert region. Serves as memorial to early western pioneer life.
Craters of the Moon.....	New Mexico.....	Oct. 25, 1923	719	Beautifully decorated limestone cavern, believed to be largest yet discovered.
Wupatki.....	Idaho.....	May 2, 1924	51,200	Best example of fissure lava flows; volcanic region with weird landscape effects.
Glacier Bay.....	Arizona.....	July 23, 1923		
	Arizona.....	Dec. 9, 1924	2,234	Prehistoric dwellings of ancestors of Hopi Indians.
	Alaska.....	Feb. 27, 1925	1,164,800	Contains tidewater glaciers of first rank.

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE

Total area (14 monuments)			Acres 383,360	
Gila Cliff Dwellings.....	New Mexico..	Nov. 16, 1907	160	Numerous cliff-dweller ruins of much interest and in good preservation. Do.
Tonto.....	Arizona.....	Dec. 19, 1907	4,640	
Jewel Cave.....	South Dakota.....	Feb. 7, 1908	41,230	Limestone cavern of much beauty and considerable extent, limits of which are as yet unknown.
Wheeler.....	Colorado.....	Dec. 7, 1908	300	Of much interest from geological standpoint as example of eccentric erosion and extinct volcanic action. Of much scenic beauty.
Mount Olympus..	Washington..	Mar. 2, 1909	299,370	Contains many objects of great and unusual scientific interest, including many glaciers. Is summer range and breeding ground of the Olympic elk.
		Apr. 17, 1912		
		May 11, 1915		
Oregon Caves.....	Oregon.....	July 12, 1909	480	Extensive caves in limestone formation of much beauty; magnitude not entirely ascertained.
Devils postpile....	California.....	July 6, 1911	800	Spectacular mass of hexagonal basaltic columns, like an immense pile of posts. Said to rank with famous Giant's Causeway in Ireland.
Walnut Canyon...	Arizona.....	Nov. 30, 1915	960	Contains cliff dwellings of much scientific and popular interest.
Bandelier.....	New Mexico...	Feb. 11, 1916	22,075	Vast numbers of cliff-dweller ruins, with artificial caves, stone sculpture, and other relics of prehistoric life.
Old Kasaan.....	Alaska.....	Oct. 25, 1916	38	Abandoned Indian village in which there are numerous remarkable totem poles and other objects of historical interest.
Lehman Caves....	Nevada.....	Jan. 24, 1922	593	Limestone caverns of much beauty and of scientific interest and importance.
Timpanogos Cave.	do.....	Oct. 14, 1922	250	Limestone cavern.
Chiricahua.....	Arizona.....	Apr. 18, 1924	4,480	Natural rock formations within Coronado National Forest.
Lava Beds.....	California.....	Nov. 21, 1925	45,967	Interesting ice caves. Battleground of Modoc Indian War, 1873.

MONUMENTS ADMINISTERED BY THE WAR DEPARTMENT

Total area (13 monuments)			Acres 222	
Chalmette.....	Louisiana.....	May 24, 1907	17	Erected in memory of the Battle of New Orleans which was fought on Jan. 8, 1815. Site of battle field on which battle was fought Aug. 9, 1877, between a small force of United States troops and a much larger force of Nez Perce Indians, resulting in rout for the Indians.
Big Hole Battle Field.	Montana.....	June 23, 1910	5	

⁴ Estimated.

Donated to United States.

No. 154.—NATIONAL PARKS AND NATIONAL MONUMENTS—Continued
 MONUMENTS ADMINISTERED BY THE WAR DEPARTMENT—Continued

Name.	Location	When established	Acres	Description	
Cabrillo.....	California.....	{Oct. 14, 1913} {May 12, 1926}	1	Of historic interest because of discovery of the territory now partly embraced in the State of California by Juan Rodriguez Cabrillo, who at this point first sighted land on Sept. 28, 1542.	
Mound City Group	Ohio.....	Mar. 2, 1923	57		
Fort Wood.....	New York.....	Oct. 15, 1924	2.5		
Castle Pinckney..	South Carolina	do.....	3.5		
Fort Pulaski.....	Georgia.....	do.....	20		
Fort Marion.....	Florida.....	do.....	18		
Fort Matanzas..	do.....	do.....	1		
Meriwether Lewis.	Tennessee.....	Feb. 2, 1925	50		
Fort Niagara.....	New York.....	Sept. 5, 1925	.0074		
Fort McHenry....	Maryland.....	Mar. 3, 1925	47		
White Plains Battle Field.	New York.....	May 18, 1926	None,		
					Famous group of prehistoric mounds in Camp Sherman Military Reservation.
					Site of the Statue of Liberty.
					Fortification built in 1810 to replace a Revolutionary fort.
				Built in 1810 to replace Fort Greene of the Revolution.	
				Fort built by Spaniards in 1656.	
				Relic of Spanish invasion.	
				Contains grave of Captain Lewis of the Lewis and Clark expedition.	
				Commemorates erection and dedication of cross by a French Jesuit missionary on Good Friday, 1688.	
				Restored and preserved as birthplace of "Star Spangled Banner."	
				Memorial tablet to indicate the position of the Revolutionary army under the command of General Washington.	

Source: Annual Report of the Secretary of the Interior.

7. CLIMATE

No. 155.—CLIMATIC CONDITIONS: SELECTED CITIES IN THE UNITED STATES

NOTE.—The table presented herewith shows the more important facts concerning the weather at a number of points in the United States selected with a view to covering all the important climatic sections and including at least one from each State. The temperature extremes include the entire period of observations to Dec. 31, 1928. Other data are long-time averages covering periods ranging from 20 to more than 50 years. Temperatures are Fahrenheit

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
ALABAMA, MONTGOMERY													
Temperature:													
Monthly mean	48.2	51.6	57.8	65.3	73.4	79.6	81.7	80.8	76.3	66.6	55.8	49.4	65.5
Daily mean maximum	56.9	60.8	67.6	75.5	83.6	89.5	91.0	89.9	85.8	76.8	65.8	58.4	75.1
Daily mean minimum	39.5	42.3	47.9	55.1	63.2	69.8	72.3	71.7	69.6	56.4	45.8	40.4	55.9
Highest on record	80	84	90	92	99	106	107	103	106	90	85	80	107
Lowest on record	5	-5	21	30	43	48	61	68	45	31	18	8	-5
Precipitation:													
Total, inches	5.20	5.45	5.99	4.30	3.84	3.80	4.86	4.23	2.99	2.46	3.23	4.84	51.19
Days with 0.01 inch or more	11	10	10	8	9	11	12	11	8	6	7	10	112
Total snowfall, inches	0.2	0.3	(¹)	(¹)	0	0	0	0	0	0	(¹)	0.3	0.8
Percentage of possible sunshine													
Percentage of possible sunshine	50	54	60	66	71	73	62	66	66	66	66	45	62
Number of clear days	8	9	12	12	13	10	8	9	14	16	14	10	135
Hourly wind velocity, miles	6.6	7.2	7.2	6.6	5.7	5.3	5.0	4.6	5.3	5.4	5.7	6.2	5.9
ARIZONA, PHOENIX													
Temperature:													
Monthly mean	51.2	55.1	60.7	67.0	75.0	84.5	89.8	88.5	82.7	70.6	59.7	52.0	69.7
Daily mean maximum	63.7	68.0	74.1	81.6	90.1	100.2	103.1	101.0	96.4	85.2	73.9	64.9	83.5
Daily mean minimum	38.7	42.2	47.8	52.5	59.8	68.7	76.4	76.0	69.0	60.0	45.5	39.0	55.9
Highest on record	84	92	95	103	114	119	118	113	112	105	96	80	119
Lowest on record	16	24	30	35	39	49	63	68	47	36	23	22	16
Precipitation:													
Total, inches	0.80	0.77	0.68	0.40	0.12	0.07	1.07	0.95	0.75	0.47	0.70	1.00	7.78
Days with 0.01 inch or more	4	4	4	2	1	1	6	3	3	2	3	3	39
Total snowfall, inches	(¹)	(¹)	(¹)	0	0	0	0	0	0	0	(¹)	(¹)	(¹)
Percentage of possible sunshine													
Percentage of possible sunshine	72	77	80	87	91	93	82	83	89	89	83	77	84
Number of clear days	17	15	17	21	23	25	17	18	22	23	20	19	237
Hourly wind velocity, miles	4.0	4.0	5.0	5.4	4.9	5.0	5.0	4.0	4.4	4.2	3.9	3.8	4.6
ARKANSAS, LITTLE ROCK													
Temperature:													
Monthly mean	41.4	44.9	53.0	62.1	70.3	77.4	80.9	79.8	74.1	63.6	52.1	44.2	62.0
Daily mean maximum	49.4	53.7	62.3	71.3	79.4	86.4	89.8	88.5	83.6	73.3	61.3	52.2	70.9
Daily mean minimum	33.4	36.0	43.8	52.8	61.2	68.4	71.9	70.7	64.9	53.9	42.9	36.2	53.0
Highest on record	78	87	89	94	96	102	106	105	104	93	84	78	100
Lowest on record	-8	-12	14	28	39	51	68	52	41	27	10	5	-12
Precipitation:													
Total, inches	4.73	3.84	4.62	5.19	4.78	3.76	3.50	3.75	3.17	2.71	4.19	4.14	48.38
Days with 0.01 inch or more	9	9	10	10	9	10	10	9	7	7	8	9	107
Total snowfall, inches	2.8	1.5	0.4	(¹)	0	0	0	0	0	0	0.1	1.2	6.0
Percentage of possible sunshine													
Percentage of possible sunshine	46	53	59	62	65	71	70	71	72	70	60	48	62
Number of clear days	10	9	11	11	11	11	11	13	16	17	13	11	145
Hourly wind velocity, miles	9.7	10.4	10.9	10.3	8.8	7.4	7.2	6.6	7.2	7.8	8.6	8.9	8.6
CALIFORNIA, FRESNO													
Temperature:													
Monthly mean	46.2	51.1	55.0	60.2	67.1	75.8	82.1	80.7	73.4	64.0	54.2	46.2	63.0
Daily mean maximum	54.5	60.8	65.7	73.4	81.8	92.0	99.4	98.0	89.1	78.0	65.9	54.5	70.1
Daily mean minimum	37.9	41.4	44.4	47.0	52.4	59.5	64.8	63.3	57.6	50.1	42.5	37.9	49.9
Highest on record	73	83	87	101	110	112	115	119	111	100	85	76	115
Lowest on record	17	24	28	34	38	42	50	51	42	36	27	23	17
Precipitation:													
Total, inches	1.73	1.43	1.58	0.95	0.44	0.08	0.01	0.01	0.21	0.57	0.93	1.45	9.39
Days with 0.01 inch or more	8	7	8	3	2	1	0	0	1	3	4	7	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine													
Percentage of possible sunshine	44	60	64	82	87	94	96	97	90	87	70	47	76
Number of clear days	9	12	14	19	21	25	29	29	25	23	17	10	233
Hourly wind velocity, miles	4.5	4.8	5.7	6.8	7.8	8.3	7.4	6.7	5.9	4.7	4.1	4.1	5.9

¹Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
CALIFORNIA, LOS ANGELES													
Temperature:													
Monthly mean	54.6	55.5	57.5	59.4	62.2	66.4	70.2	71.1	69.0	65.3	60.9	56.6	62.4
Daily mean maximum	64.3	65.1	67.3	69.1	71.8	76.7	81.4	82.3	80.1	76.7	72.0	66.8	72.8
Daily mean minimum	44.9	46.0	47.8	49.7	52.0	56.1	59.1	60.0	67.9	64.0	40.8	46.8	52.0
Highest on record	90	92	99	100	103	105	109	106	108	102	96	89	109
Lowest on record	28	28	31	36	40	46	49	49	44	40	34	30	28
Precipitation:													
Total, inches	3.10	3.07	2.78	1.04	0.45	0.08	0.01	0.02	0.17	0.68	1.20	2.63	15.23
Days with 0.01 inch or more	7	6	7	4	3	1	0	0	1	3	3	6	41
Total snowfall, inches	(1)	(1)	0	0	0	0	0	0	0	0	(2)	(1)	(1)
Percentage of possible sunshine													
Number of clear days	67	68	67	68	62	71	77	70	76	76	78	73	72
Hourly wind velocity, miles	5.1	5.3	5.3	5.2	5.2	5.0	4.7	4.6	4.5	4.5	4.6	5.0	4.9
CALIFORNIA, SAN DIEGO													
Temperature:													
Monthly mean	54.3	55.1	56.7	58.5	60.8	63.9	67.2	68.7	67.1	63.7	59.7	56.0	61.0
Daily mean maximum	62.2	62.5	63.9	64.8	66.2	69.0	72.3	73.9	72.9	70.6	67.7	64.4	67.6
Daily mean minimum	46.5	47.7	49.6	52.2	55.3	58.7	62.1	63.6	61.3	56.7	51.7	47.7	54.4
Highest on record	85	89	99	99	98	94	93	93	110	96	93	84	110
Lowest on record	25	34	36	39	45	50	54	54	50	44	30	32	25
Precipitation:													
Total, inches	2.06	2.08	1.72	0.77	0.35	0.05	0.03	0.04	0.08	0.54	0.76	1.87	10.30
Days with 0.01 inch or more	7	7	7	4	3	1	0	1	1	3	4	0	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine													
Number of clear days	67	67	66	60	58	62	67	72	72	78	76	74	68
Hourly wind velocity, miles	5.1	5.8	6.2	6.4	6.4	6.1	5.9	5.7	5.7	5.3	5.0	5.0	5.7
CALIFORNIA, SAN FRANCISCO													
Temperature:													
Monthly mean	49.9	52.2	54.2	55.0	56.8	58.5	58.5	59.1	60.9	60.5	56.3	51.3	56.1
Daily mean maximum	65.0	67.8	69.3	61.2	63.0	65.1	64.7	65.0	67.7	67.5	62.1	56.2	62.1
Daily mean minimum	44.9	46.6	48.1	48.8	50.5	51.9	52.3	53.3	54.2	53.5	50.5	46.3	50.1
Highest on record	78	80	86	86	89	97	100	98	92	101	96	83	101
Lowest on record	29	33	33	40	42	46	47	46	47	45	38	34	29
Precipitation:													
Total, inches	4.54	3.85	3.14	1.61	0.80	0.18	0.02	0.01	0.45	1.12	2.35	3.95	22.02
Days with 0.01 inch or more	12	13	10	6	4	2	0	0	2	4	6	11	70
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(2)
Percentage of possible sunshine													
Number of clear days	52	54	59	70	70	75	69	63	70	69	60	54	64
Hourly wind velocity, miles	7.4	7.6	8.8	10.1	11.2	12.6	13.1	12.1	10.1	7.8	6.7	6.8	9.5
COLORADO, DENVER													
Temperature:													
Monthly mean	29.8	32.7	39.3	47.1	56.2	66.3	72.2	70.7	62.9	51.2	39.8	32.3	50.0
Daily mean maximum	42.2	44.9	51.6	59.1	68.5	79.7	85.7	84.0	76.9	64.8	52.3	44.7	62.9
Daily mean minimum	17.3	20.5	27.1	35.0	43.9	52.9	58.7	57.4	48.9	37.4	27.2	19.8	37.2
Highest on record	76	77	82	86	92	99	102	105	97	90	79	74	105
Lowest on record	-29	-22	-11	4	19	32	42	40	21	-2	-18	-25	-29
Precipitation:													
Total, inches	0.40	0.53	1.04	2.06	2.21	1.38	1.18	1.43	0.99	1.05	0.55	0.73	14.05
Days with 0.01 inch or more	4	6	7	9	10	7	9	9	6	5	4	5	81
Total snowfall, inches	4.8	7.6	9.2	9.9	2.4	(1)	0	0	0.6	4.2	5.7	9.2	53.6
Percentage of possible sunshine													
Number of clear days	67	67	64	62	60	69	67	67	71	71	68	64	66
Hourly wind velocity, miles	7.6	7.6	8.2	8.4	7.7	7.3	6.9	6.6	6.7	7.0	7.2	7.3	7.4
CONNECTICUT, HARTFORD													
Temperature:													
Monthly mean	25.5	27.2	35.0	46.7	57.5	67.1	71.6	68.9	61.7	51.2	39.5	29.8	48.5
Daily mean maximum	35.3	33.9	44.9	56.6	68.2	76.7	82.3	79.7	73.0	63.5	49.2	37.7	68.4
Daily mean minimum	20.0	17.4	27.9	38.1	48.7	56.7	63.2	60.8	53.8	44.3	33.8	23.9	40.7
Highest on record	67	61	82	99	94	98	100	100	95	91	74	67	107
Lowest on record	-12	-14	4	11	32	40	48	43	32	25	16	-18	-18
Precipitation:													
Total, inches	3.94	3.83	3.90	3.36	3.60	3.08	4.37	4.29	3.49	3.52	3.55	3.97	44.90
Days with 0.01 inch or more	12	10	12	12	12	10	11	10	9	8	10	10	126
Total snowfall, inches	8.7	13.4	6.7	1.8	0	0	0	0	0	0	1.4	8.4	40.4
Percentage of possible sunshine													
Number of clear days	46	54	55	52	53	56	56	54	54	51	46	44	52
Hourly wind velocity, miles	8.9	8.9	10	8	9	8	7	8	6	11	7	8	103
Hourly wind velocity, miles	8.0	8.1	8.6	8.6	7.9	7.1	6.9	6.3	6.2	6.9	7.8	7.4	7.5

1 Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
DELAWARE, WILMINGTON													
Temperature:													
Monthly mean	32.8	31.9	42.3	52.9	63.8	71.0	76.8	74.6	68.1	57.4	45.4	34.8	54.4
Daily mean maximum	40.0	39.5	51.2	63.1	74.2	81.8	86.1	83.6	77.2	66.3	53.9	41.7	63.2
Daily mean minimum	25.3	24.3	33.0	42.8	53.4	61.3	67.5	65.9	58.9	48.4	37.5	27.8	45.5
Highest on record	70	69	80	97	98	102	106	107	98	90	77	70	107
Lowest on record	-10	-12	6	11	31	42	50	47	33	25	12	-7	-12
Precipitation:													
Total, inches	3.35	3.32	3.54	3.38	3.65	3.91	5.03	4.24	3.46	3.18	2.88	3.84	44.38
Days with 0.01 inch or more	9	8	9	9	9	9	9	9	8	6	7	8	98
Total snowfall, inches	6.4	6.2	4.1	1.1	0	0	0	0	0	(¹)	0.4	4.7	22.9
D. C., WASHINGTON													
Temperature:													
Monthly mean	33.4	35.3	42.6	53.3	63.7	72.2	76.8	75.0	68.1	57.4	45.2	36.6	55.0
Daily mean maximum	41.1	43.5	51.7	63.2	73.2	81.8	86.3	84.1	77.5	67.2	54.0	44.2	64.0
Daily mean minimum	25.7	27.2	33.6	43.6	54.1	62.7	67.3	66.0	58.7	47.5	36.5	29.0	46.0
Highest on record	70	73	93	95	97	102	104	106	104	93	80	74	106
Lowest on record	-14	-15	4	15	33	43	52	49	36	26	12	-13	-15
Precipitation:													
Total, inches	3.55	3.27	3.75	3.27	3.70	4.13	4.71	4.01	3.24	2.84	2.37	3.32	42.16
Days with 0.01 inch or more	12	10	12	11	12	11	11	11	8	9	9	10	126
Total snowfall, inches	6.7	6.3	4.7	0.6	0	0	0	0	0	(¹)	1.1	3.8	23.7
Percentage of possible sunshine.													
Number of clear days	46	54	54	53	61	62	64	61	63	61	59	51	58
Hourly wind velocity, miles	7.0	8.0	8.0	8.0	7.0	6.0	5.0	5.0	5.0	6.0	7.0	7.0	7.0
FLORIDA, JACKSONVILLE													
Temperature:													
Monthly mean	55.4	58.0	62.6	68.7	75.0	79.9	82.1	81.7	78.3	71.1	62.2	56.3	69.3
Daily mean maximum	64.1	66.9	71.5	77.6	83.5	87.9	90.2	89.6	85.5	78.6	70.7	65.0	77.6
Daily mean minimum	46.7	49.1	53.6	59.7	66.4	71.8	74.0	73.7	71.1	63.6	53.7	47.5	60.9
Highest on record	81	86	91	92	93	101	104	101	99	95	86	83	104
Lowest on record	15	10	26	34	46	54	66	64	49	37	26	14	10
Precipitation:													
Total, inches	2.80	2.97	2.91	2.38	4.02	5.33	6.71	5.81	7.35	4.46	1.98	3.02	49.74
Days with 0.01 inch or more	9	9	8	7	9	12	15	15	13	10	8	8	123
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine.													
Number of clear days	56	57	67	73	71	65	63	63	60	55	62	52	62
Hourly wind velocity, miles	8.3	8.8	9.1	9.0	8.4	8.0	7.9	7.4	7.8	8.6	8.1	8.0	8.3
FLORIDA, MIAMI													
Temperature:													
Monthly mean	66.5	67.1	70.2	72.8	76.4	80.0	81.0	81.4	80.1	77.0	71.8	68.0	74.4
Daily mean maximum	74.4	74.3	76.7	79.7	82.5	85.2	86.8	87.1	85.9	82.8	77.3	75.5	80.7
Daily mean minimum	62.1	60.0	63.8	67.4	70.9	74.4	75.8	76.4	75.2	72.7	66.0	62.9	69.0
Highest on record	85	88	92	93	94	94	96	96	95	93	88	91	96
Lowest on record	29	27	34	45	50	61	67	67	62	52	36	32	27
Precipitation:													
Total, inches	2.52	1.83	2.17	3.09	6.22	6.86	5.42	6.17	8.34	8.44	2.91	1.60	55.66
Days with 0.01 inch or more	9	6	7	7	11	12	16	14	17	16	11	7	133
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine.													
Number of clear days	64	69	72	72	66	61	66	70	64	60	60	62	66
Hourly wind velocity, miles	9.3	9.4	9.7	9.9	9.1	7.6	7.2	7.8	8.0	9.0	10.7	8.5	8.8
FLORIDA, TAMPA													
Temperature:													
Monthly mean	60.4	61.9	66.8	70.9	76.3	80.2	81.2	81.5	79.9	74.3	66.9	61.1	71.8
Daily mean maximum	69.3	70.8	76.1	80.3	85.4	88.6	89.1	89.4	88.0	82.6	75.3	70.0	80.4
Daily mean minimum	51.5	53.1	57.6	61.6	67.2	71.8	73.3	73.6	71.9	66.1	57.9	52.1	63.1
Highest on record	83	86	92	91	94	98	96	97	96	93	87	84	98
Lowest on record	23	22	32	38	52	50	65	66	64	43	32	19	19
Precipitation:													
Total, inches	2.69	2.56	2.43	2.01	2.90	7.25	7.95	8.18	6.42	3.69	1.72	2.07	49.36
Days with 0.01 inch or more	7	7	6	5	7	14	18	18	15	8	5	7	117
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine.													
Number of clear days	61	65	72	75	73	67	63	64	66	65	65	59	66
Hourly wind velocity, miles	6.9	7.4	7.4	7.4	6.9	6.2	5.7	5.6	6.2	7.2	6.3	6.6	6.7

¹Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An- nual
GEORGIA, ATLANTA													
Temperature:													
Monthly, mean.....	42.6	45.3	52.0	61.0	69.9	76.0	78.1	77.0	72.4	63.0	52.1	44.7	61.2
Daily mean maximum.....	50.2	53.5	60.9	70.4	79.4	85.2	86.7	85.1	80.6	71.9	60.8	52.5	69.8
Daily mean minimum.....	35.0	37.1	43.0	51.7	60.4	66.8	69.5	69.0	64.1	54.1	43.3	36.8	52.6
Highest on record.....	75	78	87	93	97	100	101	100	102	94	82	73	102
Lowest on record.....	-2	-8	8	25	38	39	58	55	43	28	14	1	-8
Precipitation:													
Total, inches.....	4.95	4.79	5.30	3.81	3.47	3.74	4.65	4.45	2.99	2.59	3.08	4.70	48.27
Days with 0.01 inch or more.....	11	11	11	10	9	11	13	13	8	7	8	11	123
Total snowfall, inches.....	0.9	1.1	0.1	(¹)	0	0	0	0	(¹)	(¹)	0.6	0.6	2.7
Percentage of possible sun- shine.....	47	53	56	64	68	69	60	58	66	65	69	47	60
Number of clear days.....	9	9	12	12	12	10	8	9	13	16	13	11	134
Hourly wind velocity, miles.....	12.0	12.2	12.0	11.0	9.4	8.3	7.9	7.7	8.6	9.9	11.0	11.6	10.1
IDAHO, BOISE													
Temperature:													
Monthly, mean.....	29.8	34.8	42.7	50.4	57.1	65.3	72.9	71.8	61.9	51.1	41.0	32.1	50.9
Daily mean maximum.....	37.7	43.3	52.7	62.4	70.0	79.5	83.9	87.7	78.4	63.7	50.7	39.9	62.7
Daily mean minimum.....	21.9	26.3	32.6	38.4	44.3	51.1	56.9	55.9	47.4	38.5	31.3	24.3	39.1
Highest on record.....	62	69	83	92	100	107	113	121	103	95	85	67	121
Lowest on record.....	-28	-12	5	17	25	30	40	32	23	16	-10	-18	-28
Precipitation:													
Total, inches.....	1.73	1.44	1.35	1.18	1.43	0.92	0.24	0.19	0.53	1.24	1.28	1.57	13.10
Days with 0.01 inch or more.....	13	11	11	8	7	6	2	2	4	6	9	11	90
Total snowfall, inches.....	7.7	5.8	3.3	0.9	(¹)	0	0	0	0	0	1.5	5.3	24.6
Percentage of possible sun- shine.....	38	48	57	66	71	79	87	86	79	69	50	40	64
Number of clear days.....	5	6	7	9	11	14	21	21	17	14	8	6	139
Hourly wind velocity, miles.....	4.9	5.2	6.1	6.3	6.1	5.3	4.9	4.5	4.5	4.3	4.6	4.4	5.1
ILLINOIS, CHICAGO													
Temperature:													
Monthly, mean.....	25.1	27.4	36.3	47.7	58.5	68.2	73.9	72.8	66.3	55.1	41.2	30.0	50.2
Daily mean maximum.....	31.5	34.1	43.0	54.9	65.2	75.6	80.5	79.0	72.9	62.0	47.5	36.0	56.9
Daily mean minimum.....	18.7	20.8	29.5	40.6	50.8	60.7	67.2	66.8	59.7	48.3	35.0	24.0	43.6
Highest on record.....	65	68	81	88	94	99	103	102	98	87	75	68	103
Lowest on record.....	-20	-21	-12	17	27	40	50	47	32	14	-2	-23	-23
Precipitation:													
Total, inches.....	1.90	2.14	2.58	2.78	3.54	3.30	3.33	3.21	3.14	2.53	2.37	2.04	32.86
Days with 0.01 inch or more.....	11	10	12	11	12	11	9	9	9	9	10	12	125
Total snowfall, inches.....	9.9	9.4	4.9	0.9	(¹)	0	0	0	0	0.1	1.7	6.8	33.7
Percentage of possible sun- shine.....	45	51	54	69	64	71	73	70	65	60	47	41	68
Number of clear days.....	8	8	8	9	11	10	13	13	12	12	8	7	119
Hourly wind velocity, miles.....	16.0	16.0	17.0	17.0	16.0	13.0	12.0	12.0	14.0	15.0	16.0	16.0	16.0
INDIANA, INDIANAPOLIS													
Temperature:													
Monthly, mean.....	28.4	31.1	40.0	52.1	62.9	71.6	75.7	73.7	66.9	55.7	42.3	32.2	52.7
Daily mean maximum.....	35.7	39.0	48.4	61.2	72.4	81.1	85.4	83.3	76.6	64.9	50.0	39.0	61.4
Daily mean minimum.....	21.0	23.2	31.7	42.9	53.5	62.0	66.1	64.1	57.3	46.5	34.6	25.4	44.1
Highest on record.....	70	72	84	90	96	100	106	103	98	89	78	68	106
Lowest on record.....	-25	-18	0	19	31	39	48	44	30	22	-5	-15	-25
Precipitation:													
Total, inches.....	2.95	2.78	3.93	3.02	3.89	3.62	3.34	3.31	3.40	2.78	3.35	2.98	39.90
Days with 0.01 inch or more.....	13	11	13	12	13	11	10	9	9	9	10	12	132
Total snowfall, inches.....	6.8	5.3	3.5	0.9	0.1	0	0	0	0	(¹)	1.2	5.1	23.2
Percentage of possible sun- shine.....	42	47	48	53	60	68	70	66	67	61	52	40	56
Number of clear days.....	6	7	6	7	9	8	10	11	12	12	8	6	102
Hourly wind velocity, miles.....	12.0	12.1	12.5	12.1	10.5	9.1	8.4	7.9	8.8	9.8	11.3	11.6	10.5
IOWA, DES MOINES													
Temperature:													
Monthly, mean.....	20.1	23.7	35.9	50.1	61.3	70.6	75.4	73.1	65.6	53.4	38.4	26.0	49.5
Daily mean maximum.....	29.0	32.3	45.2	60.2	71.4	80.4	85.7	83.6	76.0	63.7	47.3	34.1	60.1
Daily mean minimum.....	11.3	14.6	26.6	40.1	51.3	60.8	65.1	62.7	55.1	43.1	29.5	17.8	39.8
Highest on record.....	65	76	88	92	98	102	109	110	99	91	79	69	110
Lowest on record.....	-30	-26	-10	11	26	37	48	40	26	7	-9	-21	-30
Precipitation:													
Total, inches.....	1.07	1.12	1.78	2.91	4.56	4.76	3.50	3.52	3.67	2.50	1.43	1.22	32.04
Days with 0.01 inch or more.....	8	8	9	11	12	11	9	9	9	8	7	8	109
Total snowfall, inches.....	8.8	7.2	5.4	1.3	0.5	0	0	0	0	0.2	2.2	7.9	33.5
Percentage of possible sun- shine.....	53	56	50	58	61	66	73	71	63	63	54	50	60
Number of clear days.....	7	9	9	9	8	8	13	13	12	13	11	9	124
Hourly wind velocity, miles.....	10.9	8.4	9.0	9.5	8.4	7.1	6.3	6.0	6.9	7.4	7.7	7.6	7.7

¹ Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An-nual
KANSAS, DODGE CITY													
Temperature:													
Monthly mean	29.0	33.2	42.8	53.6	63.5	72.5	78.4	77.7	69.4	55.1	42.6	32.6	54.3
Daily mean maximum	40.7	45.7	56.0	66.8	75.8	84.4	91.1	91.0	82.6	69.3	55.0	44.8	67.0
Daily mean minimum	17.3	20.7	29.6	40.5	51.2	60.7	65.8	64.4	56.9	43.0	28.5	20.6	41.6
Highest on record	79	84	98	95	101	107	108	105	102	94	86	79	108
Lowest on record	-20	-26	-10	13	19	36	46	43	30	10	-19	-15	-26
Precipitation:													
Total, inches	0.41	0.77	0.89	1.94	2.89	3.30	3.14	2.67	1.90	1.30	0.73	0.57	20.51
Days with 0.01 inch or more	4	5	5	7	10	9	9	7	5	5	4	4	74
Total snowfall, inches	3.7	5.7	3.8	1.0	(¹)	0	0	0	0	0.3	1.2	3.3	19.0
Percentage of possible sunshine													
Percentage of possible sunshine	65	66	66	66	65	71	74	77	73	75	71	67	70
Number of clear days	14	13	13	13	11	14	15	16	16	18	16	15	174
Hourly wind velocity, miles	10.1	10.8	12.6	13.6	12.9	12.2	10.9	10.4	11.2	11.1	10.1	10.2	11.3
KENTUCKY, LOUISVILLE													
Temperature:													
Monthly mean	34.4	37.2	45.4	55.4	66.6	74.7	78.0	77.0	70.5	59.3	46.7	37.6	57.0
Daily mean maximum	42.0	45.4	54.2	65.9	76.4	84.3	88.2	86.7	80.4	69.2	55.1	44.8	66.0
Daily mean minimum	26.8	28.9	36.6	46.8	56.9	65.1	68.9	67.4	60.5	49.4	38.3	30.4	48.0
Highest on record	74	78	88	91	98	101	107	105	102	91	79	74	107
Lowest on record	-20	-14	3	21	33	43	54	47	36	23	4	-7	-20
Precipitation:													
Total, inches	4.00	3.55	4.39	3.88	3.72	3.82	3.70	3.42	2.78	2.65	3.61	3.74	43.23
Days with 0.01 inch or more	12	11	12	12	11	11	10	9	8	8	9	11	124
Total snowfall, inches	4.8	4.3	2.3	0.3	(¹)	0	0	0	0	(¹)	0.3	3.2	15.2
Percentage of possible sunshine													
Percentage of possible sunshine	42	49	52	56	62	68	70	69	68	60	54	40	58
Number of clear days	7	7	8	9	10	9	12	12	13	14	10	7	118
Hourly wind velocity, miles	9.5	10.3	10.5	9.6	7.9	7.4	6.7	6.4	6.8	7.5	8.8	9.2	8.4
LOUISIANA, NEW ORLEANS													
Temperature:													
Monthly mean	54.2	57.3	62.8	68.8	75.4	80.6	82.4	82.2	79.2	71.0	61.0	55.0	69.3
Daily mean maximum	61.8	65.1	70.6	76.5	83.0	87.8	89.3	89.0	86.0	78.1	69.1	63.2	76.6
Daily mean minimum	46.6	49.5	55.0	61.1	67.8	73.4	75.4	75.4	72.5	64.0	54.0	48.1	61.9
Highest on record	82	83	86	90	96	102	102	100	99	94	89	83	102
Lowest on record	15	7	30	38	52	58	66	63	54	40	29	19	7
Precipitation:													
Total, inches	4.34	4.25	4.72	5.24	4.60	5.88	6.37	5.80	5.03	3.30	3.14	4.79	57.46
Days with 0.01 inch or more	10	9	9	7	9	13	15	14	10	7	7	10	120
Total snowfall, inches	0.1	0.2	(¹)	0	0	0	0	0	0	0	0	(¹)	0.3
Percentage of possible sunshine													
Percentage of possible sunshine	48	50	57	60	66	60	54	54	61	64	50	46	56
Number of clear days	10	9	11	11	12	9	7	8	11	10	13	10	127
Hourly wind velocity, miles	8.6	9.1	9.1	8.8	7.4	6.5	6.0	5.9	7.2	7.6	8.1	8.5	7.7
MAINE, PORTLAND													
Temperature:													
Monthly mean	22.4	23.8	31.8	43.0	53.8	62.5	68.1	66.4	59.6	49.0	38.0	27.6	45.5
Daily mean maximum	30.1	31.6	39.2	50.4	61.2	70.8	76.1	74.0	67.3	57.3	44.0	34.4	53.1
Daily mean minimum	14.7	16.0	24.4	35.7	45.4	54.2	60.1	58.8	51.9	42.6	31.4	20.8	38.0
Highest on record	65	68	78	81	94	96	103	95	94	84	72	65	103
Lowest on record	-18	-17	-7	9	27	38	48	45	32	22	-6	-21	-18
Precipitation:													
Total, inches	3.97	4.00	3.86	3.38	3.40	3.28	3.24	3.14	3.10	3.14	3.46	3.97	41.94
Days with 0.01 inch or more	12	11	13	11	12	11	12	11	10	10	11	11	135
Total snowfall, inches	18.2	20.9	13.1	4.8	(¹)	0	0	0	(¹)	(¹)	5.1	12.4	74.5
Percentage of possible sunshine													
Percentage of possible sunshine	54	60	59	56	58	61	64	63	62	56	47	50	58
Number of clear days	10	10	10	9	9	9	10	11	12	11	9	10	120
Hourly wind velocity, miles	8.8	9.1	9.6	9.2	8.6	7.6	7.5	6.9	7.5	8.2	8.8	8.7	8.4
MARYLAND, BALTIMORE													
Temperature:													
Monthly mean	33.8	35.4	42.3	53.0	64.4	72.7	77.2	75.5	69.5	58.2	46.3	37.2	55.4
Daily mean maximum	40.6	42.5	50.2	62.4	73.3	81.3	85.0	83.5	76.7	65.5	53.6	45.7	63.3
Daily mean minimum	27.0	28.3	34.5	44.8	55.5	64.0	68.8	67.5	60.2	49.8	39.0	30.6	47.5
Highest on record	74	78	88	94	99	101	104	105	101	92	79	73	105
Lowest on record	-6	-7	5	23	34	40	56	51	39	30	16	-3	-7
Precipitation:													
Total, inches	3.50	3.39	3.71	3.34	3.54	3.88	4.64	4.37	3.87	2.89	2.56	3.37	42.56
Days with 0.01 inch or more	12	11	12	11	11	11	12	11	8	9	9	11	128
Total snowfall, inches	6.6	6.6	4.9	0.7	(¹)	0	0	0	0	(¹)	0.7	4.3	23.8
Percentage of possible sunshine													
Percentage of possible sunshine	47	57	58	59	59	62	64	62	65	62	54	48	58
Number of clear days	9	9	9	9	10	9	10	10	12	13	10	10	120
Hourly wind velocity, miles	6.5	7.1	7.5	7.4	6.6	6.2	5.9	5.5	5.6	6.0	6.2	6.3	6.4

¹ Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MASSACHUSETTS, BOSTON													
Temperature:													
Monthly mean	27.9	28.8	35.6	46.4	57.1	66.5	71.7	69.9	63.2	53.6	42.0	32.5	49.6
Daily mean maximum	35.9	36.7	43.3	54.5	65.7	75.7	80.0	77.8	71.2	61.5	49.3	39.9	57.6
Daily mean minimum	20.0	20.8	27.9	38.3	48.5	57.8	63.4	62.0	55.3	45.7	34.7	25.1	41.6
Highest on record	70	64	83	89	97	100	104	98	102	90	78	69	104
Lowest on record	-13	-11	-8	11	31	42	46	47	34	25	-2	-14	-14
Precipitation:													
Total, inches	3.01	3.37	3.57	3.34	3.18	2.89	3.49	3.62	3.14	3.15	3.33	3.45	40.14
Days with 0.01 inch or more	12	10	12	11	11	10	10	10	9	9	10	11	125
Total snowfall, inches	11.2	12.5	7.9	2.5	(¹)	0	0	0	0	(¹)	1.7	8.4	44.2
Percentage of possible sunshine													
Number of clear days	49	58	57	55	50	63	64	63	62	56	48	48	57
Hourly wind velocity, miles	11.6	12.3	12.4	11.2	10.1	9.3	8.9	8.4	9.2	10.2	11.2	11.4	10.5
MICHIGAN, DETROIT													
Temperature:													
Monthly mean	24.4	25.3	33.4	45.2	58.0	67.4	72.1	70.3	63.5	52.5	39.3	29.3	48.5
Daily mean maximum	30.7	32.1	40.8	54.3	67.1	76.4	81.1	79.1	71.9	60.2	45.5	34.9	60.7
Daily mean minimum	18.2	18.5	25.9	37.5	48.9	58.4	63.1	61.6	55.1	44.8	33.0	23.0	46.2
Highest on record	69	64	81	88	95	96	101	104	97	89	71	65	104
Lowest on record	-16	-20	-7	8	28	38	48	45	30	22	0	-24	-24
Precipitation:													
Total, inches	2.07	2.18	2.40	2.46	3.21	3.56	3.32	2.78	2.90	2.38	2.44	2.35	32.05
Days with 0.01 inch or more	13	12	13	11	13	11	10	9	9	10	12	14	137
Total snowfall, inches	10.8	10.0	7.8	1.9	0.1	0	0	0	0	(¹)	2.5	9.3	42.4
Percentage of possible sunshine													
Number of clear days	36	41	48	50	57	64	68	65	63	54	37	30	51
Hourly wind velocity, miles	12.5	12.0	12.4	12.0	10.7	9.5	9.2	8.8	9.7	10.8	12.3	12.7	11.1
MINNESOTA, ST. PAUL													
Temperature:													
Monthly mean	12.6	15.8	29.1	45.6	57.9	67.1	72.1	69.4	61.3	48.0	32.5	19.0	44.2
Daily mean maximum	21.4	24.8	37.8	55.1	67.7	76.6	81.8	79.4	70.9	57.5	40.1	26.6	53.3
Daily mean minimum	3.8	6.9	20.4	36.1	48.1	57.7	62.4	59.5	51.6	39.7	25.0	11.5	35.2
Highest on record	51	61	83	87	97	98	104	100	99	88	74	58	104
Lowest on record	-41	-33	-22	6	23	36	45	40	28	8	-24	-39	-41
Precipitation:													
Total, inches	0.92	0.92	1.43	2.35	3.27	4.14	3.57	3.01	3.07	2.20	1.30	1.06	27.24
Days with 0.01 inch or more	9	8	9	10	12	12	10	10	10	9	8	9	116
Total snowfall, inches	9.0	7.1	8.2	3.6	0.2	0	0	0	(¹)	0.5	4.9	6.0	40.0
Percentage of possible sunshine													
Number of clear days	49	56	55	58	57	62	70	66	60	53	44	41	56
Hourly wind velocity, miles	12.0	12.0	13.0	13.0	12.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
MISSISSIPPI, VICKSBURG													
Temperature:													
Monthly mean	48.2	51.8	58.5	65.6	72.9	79.0	81.3	80.8	76.3	66.7	56.6	50.0	65.6
Daily mean maximum	56.4	60.6	67.7	74.8	82.2	88.0	90.2	89.0	85.6	78.5	66.0	58.5	74.7
Daily mean minimum	39.9	43.0	49.3	56.3	63.6	69.9	72.5	71.9	66.9	56.9	47.1	41.0	56.6
Highest on record	82	84	88	92	97	101	100	101	104	94	86	82	104
Lowest on record	3	-1	24	31	43	52	59	54	42	31	22	10	-1
Precipitation:													
Total, inches	5.37	4.82	5.57	5.19	4.32	3.99	4.53	3.46	2.87	2.77	3.71	5.33	51.93
Days with 0.01 inch or more	11	10	10	9	8	10	11	10	7	6	8	10	110
Total snowfall, inches	0	0	(¹)	0	0	0	0	0	0	0	(¹)	0	1.5
Percentage of possible sunshine													
Number of clear days	40	52	59	66	72	72	69	60	74	71	63	46	63
Hourly wind velocity, miles	7.0	8.0	8.1	7.5	6.1	5.3	5.2	4.9	5.3	5.7	6.6	7.3	6.5
MISSOURI, ST. LOUIS													
Temperature:													
Monthly mean	30.8	34.5	43.8	55.8	66.9	74.8	78.6	77.3	70.1	58.3	45.1	34.7	55.9
Daily mean maximum	38.7	43.0	52.9	65.1	75.9	83.0	87.4	86.4	79.5	67.5	53.5	42.5	64.7
Daily mean minimum	23.4	26.6	35.8	47.0	58.2	66.4	70.2	68.6	61.5	50.1	37.3	27.3	47.7
Highest on record	74	84	90	91	94	102	107	106	103	91	82	75	107
Lowest on record	-22	-18	3	22	32	44	55	52	37	21	5	-15	-22
Precipitation:													
Total, inches	2.34	2.56	3.88	3.81	4.34	3.82	2.98	2.99	3.46	2.72	2.83	2.21	37.44
Days with 0.01 inch or more	9	9	13	10	12	11	9	8	8	8	8	9	114
Total snowfall, inches	5.2	6.0	4.0	0.7	(¹)	0	0	0	(¹)	0.2	0.5	3.5	20.1
Percentage of possible sunshine													
Number of clear days	49	51	55	58	64	69	71	68	68	65	56	46	60
Hourly wind velocity, miles	12.0	12.1	12.8	12.8	10.9	9.5	8.6	8.3	9.2	10.4	11.6	11.7	10.8

¹ Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MONTANA, HELENA													
Temperature:													
Monthly mean.....	20.2	23.0	32.4	43.5	51.6	59.2	65.7	65.0	56.6	44.9	33.2	24.2	43.3
Daily mean maximum.....	28.3	31.6	41.5	53.6	62.2	70.0	77.3	77.4	68.3	54.8	41.3	31.8	53.2
Daily mean minimum.....	12.1	14.4	23.2	33.4	41.0	48.4	54.1	52.7	44.8	34.9	25.0	16.7	35.4
Highest on record.....	63	65	73	86	95	102	103	95	92	84	71	64	103
Lowest on record.....	-42	-41	-20	3	22	31	36	29	26	-1	-22	-40	-42
Precipitation:													
Total, inches.....	0.87	0.65	0.79	1.12	2.20	2.84	1.14	0.77	1.25	0.89	0.74	0.78	13.63
Days with 0.01 inch or more.....	9	8	8	9	12	12	8	6	7	6	6	8	99
Total snowfall, inches.....	10.9	8.7	9.2	5.9	2.2	(4)	0	(1)	0.6	4.2	6.8	8.5	57.0
Percentage of possible sunshine.....													
.....	46	54	59	59	55	63	75	73	61	58	48	43	58
Number of clear days.....	7	7	8	7	7	9	15	16	12	10	8	7	113
Hourly wind velocity, miles.....	6.5	6.7	7.6	8.1	8.0	7.7	7.3	6.9	7.1	7.0	6.6	6.4	7.2
NEBRASKA, OMAHA													
Temperature:													
Monthly mean.....	21.9	25.5	37.0	51.2	62.4	71.6	76.7	74.4	66.8	54.3	38.5	26.4	50.6
Daily mean maximum.....	30.4	34.5	46.5	61.1	72.0	81.1	86.3	83.8	76.7	64.2	46.7	34.0	59.8
Daily mean minimum.....	13.3	16.5	27.6	41.2	52.8	62.2	67.1	64.9	56.8	44.4	30.3	18.8	41.3
Highest on record.....	87	78	91	94	99	105	107	110	102	92	80	71	110
Lowest on record.....	-32	-20	-8	6	25	42	50	44	30	8	-14	-20	-32
Precipitation:													
Total, inches.....	0.70	0.89	1.87	2.51	3.77	4.56	3.54	3.05	3.21	2.17	1.07	0.63	27.77
Days with 0.01 inch or more.....	6	7	7	10	12	11	9	9	8	7	5	7	98
Total snowfall, inches.....	6.3	5.2	0.7	(4)	0	0	0	0	0	0.4	2.0	5.3	19.9
Percentage of possible sunshine.....													
.....	55	57	57	56	62	68	75	69	65	63	55	52	61
Number of clear days.....	11	9	9	9	8	10	15	13	14	14	11	10	131
Hourly wind velocity, miles.....	9.1	9.6	10.0	10.3	9.1	7.5	6.4	6.7	7.6	8.4	10.8	8.7	8.7
NEVADA, RENO													
Temperature:													
Monthly mean.....	32.5	35.6	41.0	47.3	53.6	61.0	67.5	67.0	59.7	49.7	41.0	33.7	49.1
Daily mean maximum.....	42.0	47.0	52.9	61.2	66.6	70.9	86.5	85.9	76.6	65.6	54.8	43.7	63.3
Daily mean minimum.....	21.0	23.8	28.5	33.2	39.5	46.2	52.0	51.1	43.8	35.4	28.0	22.5	35.4
Highest on record.....	67	76	79	88	98	100	102	102	95	87	76	69	102
Lowest on record.....	-19	-12	-3	14	16	28	35	35	24	16	5	-7	-19
Precipitation:													
Total, inches.....	1.54	1.18	0.81	0.47	0.63	0.29	0.25	0.22	0.26	0.36	0.64	0.98	7.63
Days with 0.01 inch or more.....	7	6	6	3	5	2	2	2	3	3	4	7	50
Total snowfall, inches.....	10.6	7.1	6.3	0.9	0.8	0	0	0	(1)	0.3	1.3	5.8	33.1
Percentage of possible sunshine.....													
.....	56	62	70	76	77	84	90	90	85	78	67	56	74
Number of clear days.....	12	11	12	15	15	21	24	24	21	20	14	11	200
Hourly wind velocity, miles.....	5.4	6.1	7.1	8.1	7.8	7.4	6.8	6.3	6.0	5.3	5.3	4.9	6.4
NEW HAMPSHIRE, CONCORD²													
Temperature:													
Monthly mean.....	21.6	22.8	30.8	43.4	54.3	62.9	68.5	66.8	59.3	49.7	37.7	26.8	45.4
Daily mean maximum.....	30.7	32.1	40.1	54.1	66.2	74.7	79.9	78.0	70.4	60.0	40.1	34.8	55.6
Daily mean minimum.....	12.4	13.6	21.5	32.6	42.5	51.2	57.0	55.6	48.2	39.3	29.3	18.9	35.2
Highest on record.....	72	68	82	92	98	100	102	99	96	92	80	65	102
Lowest on record.....	-35	-34	-16	7	22	32	38	35	25	17	-17	-24	-35
Precipitation:													
Total, inches.....	3.00	2.89	3.03	2.78	3.01	3.19	3.56	3.64	3.45	2.85	3.08	3.13	37.51
Days with 0.01 inch or more.....	11	9	10	11	11	10	10	11	9	10	10	9	121
Total snowfall, inches.....	13.5	17.0	8.2	4.7	0.2	0	0	0	(1)	0.1	5.5	11.6	69.8
Number of clear days.....	11	12	14	11	13	13	11	13	13	12	10	11	144
Hourly wind velocity, miles.....	5.6	6.2	6.3	6.4	5.7	4.9	4.5	4.2	4.2	5.0	5.6	5.5	5.3
NEW JERSEY, ATLANTIC CITY													
Temperature:													
Monthly mean.....	32.5	33.6	38.6	47.8	58.1	66.6	72.1	72.5	66.8	55.9	45.6	36.4	52.8
Daily mean maximum.....	39.4	40.6	45.2	54.4	64.8	72.7	78.0	78.4	72.9	63.7	52.7	43.1	58.8
Daily mean minimum.....	25.7	28.5	32.0	41.3	51.5	60.4	66.3	66.6	60.7	50.2	38.5	29.6	45.7
Highest on record.....	68	71	79	85	95	97	100	104	94	80	77	68	104
Lowest on record.....	-4	-7	8	19	33	45	52	48	37	26	10	-7	-7
Precipitation:													
Total, inches.....	3.49	3.36	3.60	2.99	3.05	3.04	3.93	4.49	2.65	3.20	2.82	3.94	40.50
Days with 0.01 inch or more.....	12	11	13	11	11	10	10	10	8	9	9	10	124
Total snowfall, inches.....	4.8	5.2	2.9	0.3	0	0	0	0	0	0	0.7	3.0	16.9
Percentage of possible sunshine.....													
.....	50	58	68	68	62	64	67	67	68	64	50	52	61
Number of clear days.....	9	9	9	9	10	10	10	11	12	13	11	10	123
Hourly wind velocity, miles.....	10.6	11.1	11.1	10.7	9.6	8.8	8.3	8.3	8.9	9.9	9.9	10.2	9.8

¹ Traces.² Data for percentage of possible sunshine not available.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
NEW MEXICO, SANTA FE													
Temperature:													
Monthly mean	28.8	33.1	39.7	46.7	55.7	64.8	69.0	67.4	60.9	50.4	38.9	30.7	48.8
Daily mean maximum	38.9	43.5	51.1	58.8	68.2	77.6	80.9	78.7	72.7	62.2	49.8	41.0	60.3
Daily mean minimum	18.7	22.0	28.3	34.0	43.2	52.2	57.2	56.0	40.1	38.7	28.1	20.5	37.4
Highest on record	76	75	82	84	89	92	96	97	90	85	77	65	97
Lowest on record	-13	-11	-2	11	20	33	43	40	21	13	-11	-13	-13
Precipitation:													
Total, inches	0.67	0.75	0.80	1.00	1.20	1.08	2.38	2.28	1.45	1.18	0.68	0.74	14.27
Days with 0.01 inch or more	6	7	6	6	7	9	14	13	8	5	5	6	89
Total snowfall, inches	5.4	6.0	4.6	3.3	0.3	1	0	0	(1)	0.8	3.4	6.0	30.4
Percentage of possible sunshine													
Percentage of possible sunshine	72	72	72	74	75	79	67	70	77	79	77	74	74
Number of clear days	18	13	14	14	14	10	9	10	16	20	19	18	181
Hourly wind velocity, miles	7.4	7.5	8.4	8.7	8.5	7.4	6.6	6.1	6.3	6.7	6.9	7.0	7.3
NEW YORK, BUFFALO													
Temperature:													
Monthly mean	24.6	24.3	31.1	42.8	54.0	64.4	69.8	68.0	62.4	51.9	39.4	26.8	47.0
Daily mean maximum	31.0	31.2	38.1	50.4	62.2	71.4	76.5	75.7	69.7	58.7	45.2	35.5	58.8
Daily mean minimum	18.1	17.4	24.0	36.2	46.9	57.4	63.1	61.6	55.1	45.1	32.6	24.1	40.1
Highest on record	70	67	70	84	94	94	95	95	95	92	71	60	95
Lowest on record	-14	-13	-4	5	25	30	46	44	35	24	2	-9	-14
Precipitation:													
Total, inches	3.30	2.95	2.57	2.50	3.10	2.82	3.03	3.08	2.92	3.29	3.02	3.86	36.00
Days with 0.01 inch or more	19	17	17	15	14	11	11	10	11	13	15	16	167
Total snowfall, inches	20.1	17.8	10.0	3.5	0.2	0	0	0	0	0.4	5.8	16.6	74.4
Percentage of possible sunshine													
Percentage of possible sunshine	28	40	49	52	57	64	68	63	60	47	30	23	48
Number of clear days	8	8	5	7	8	8	9	9	9	6	3	1	70
Hourly wind velocity, miles	10.1	15.5	14.4	12.0	11.1	10.5	10.3	9.9	11.1	12.9	15.6	16.6	18.0
NEW YORK, NEW YORK													
Temperature:													
Monthly mean	30.9	31.3	37.7	40.4	60.0	68.8	73.3	73.1	66.8	56.3	44.2	35.0	52.3
Daily mean maximum	37.4	38.4	45.4	57.2	68.5	77.0	81.7	80.1	73.7	63.7	51.0	41.2	59.6
Daily mean minimum	24.5	24.2	30.2	41.0	52.6	60.5	65.9	66.2	60.8	49.0	37.3	28.8	45.0
Highest on record	67	69	80	91	95	97	99	102	100	88	74	68	102
Lowest on record	-6	-7	3	12	34	45	50	51	39	29	7	-13	-13
Precipitation:													
Total, inches	3.66	3.82	3.64	3.23	3.24	3.33	4.24	4.33	3.39	3.53	2.96	3.62	43.99
Days with 0.01 inch or more	12	10	12	11	11	10	12	10	9	9	9	10	125
Total snowfall, inches	8.1	10.1	7.7	1.3	(1)	0	0	0	0	(1)	1.0	0.7	34.9
Percentage of possible sunshine													
Percentage of possible sunshine	50	60	68	69	60	63	63	62	63	60	55	51	59
Number of clear days	8	8	9	9	9	8	8	9	11	11	9	8	107
Hourly wind velocity, miles	20.0	20.0	21.0	18.0	16.0	14.0	14.0	13.0	14.0	16.0	19.0	19.0	17.0
NORTH CAROLINA, ASHEVILLE													
Temperature:													
Monthly mean	35.4	38.5	44.9	53.0	62.6	68.7	71.7	70.5	65.0	55.3	45.1	37.8	54.1
Daily mean maximum	47.8	48.1	57.8	65.0	73.2	79.5	81.7	80.8	76.7	67.3	57.7	48.0	65.2
Daily mean minimum	29.1	28.9	37.3	43.4	51.8	60.0	62.3	61.8	56.1	44.0	36.4	28.9	45.0
Highest on record	75	77	80	89	91	92	96	96	95	86	76	78	96
Lowest on record	-5	-6	8	20	31	40	48	47	35	20	9	-4	-6
Precipitation:													
Total, inches	3.10	3.15	3.97	3.02	3.43	3.93	4.39	4.16	3.75	2.75	2.23	3.20	40.23
Days with 0.01 inch or more	10	10	12	11	12	14	16	16	9	7	7	10	132
Total snowfall, inches	4.0	2.9	1.3	0.2	0	0	0	0	0	0.1	0.6	1.9	11.9
Percentage of possible sunshine													
Percentage of possible sunshine	49	52	55	60	62	59	58	56	62	64	64	48	57
Number of clear days	10	10	11	11	10	7	7	7	10	15	16	11	124
Hourly wind velocity, miles	9.6	10.2	10.1	9.6	7.3	5.8	5.3	5.3	5.8	7.0	8.4	9.2	7.8
NORTH DAKOTA, BISMARCK													
Temperature:													
Monthly mean	7.8	10.3	24.2	42.1	54.5	63.7	69.8	67.3	58.1	44.9	28.5	14.7	40.5
Daily mean maximum	18.1	20.7	34.0	53.7	66.2	76.2	82.1	80.3	71.1	67.1	39.1	24.5	51.9
Daily mean minimum	-2.0	0.0	13.7	30.6	42.7	52.2	67.5	64.3	45.2	32.7	17.9	4.8	29.1
Highest on record	60	64	81	90	97	107	108	105	102	91	73	64	108
Lowest on record	-45	-43	-30	-3	13	31	32	32	10	-10	-42	-42	-46
Precipitation:													
Total, inches	0.45	0.44	0.89	1.52	2.32	3.35	2.24	1.82	1.23	0.64	0.57	0.67	16.34
Days with 0.01 inch or more	7	7	8	8	11	12	10	8	6	6	6	7	96
Total snowfall, inches	5.8	5.1	8.3	2.6	0.8	0	0	0	0.1	1.0	5.2	6.3	35.2
Percentage of possible sunshine													
Percentage of possible sunshine	53	53	58	68	68	62	71	60	62	60	52	40	59
Number of clear days	12	11	12	12	12	12	17	18	15	14	11	11	157
Hourly wind velocity, miles	8.9	9.3	10.4	11.8	11.1	10.2	8.9	8.8	9.6	9.8	9.3	8.6	9.7

¹ Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
OHIO, COLUMBUS													
Temperature:													
Monthly mean	28.6	30.7	39.1	51.2	62.3	70.9	74.9	73.0	66.5	55.2	41.9	32.4	52.2
Daily mean maximum	35.9	38.4	47.6	60.7	72.2	80.9	84.9	83.0	76.7	64.8	49.7	39.2	61.2
Daily mean minimum	21.4	23.0	30.7	41.6	52.3	60.9	64.9	63.0	56.3	45.6	34.2	25.7	43.3
Highest on record	72	72	84	90	96	99	104	103	98	90	77	67	104
Lowest on record	-20	-20	0	15	31	39	50	42	32	20	-5	-12	-20
Precipitation:													
Total, inches	3.06	2.67	3.50	2.37	3.59	3.31	3.55	3.26	2.57	2.46	2.77	2.79	36.34
Days with 0.01 inch or more	14	12	14	13	12	12	11	10	9	9	11	14	141
Total snowfall, inches	8.4	6.0	3.6	1.3	(¹)	0	0	0	0	(¹)	1.6	4.5	25.4
Percentage of possible sunshine													
Number of clear days	39	44	48	57	62	67	70	68	65	59	46	34	55
Hourly wind velocity, miles	12.7	13.2	13.1	12.7	10.3	9.6	8.8	8.6	9.1	10.5	11.9	12.4	11.1
OKLAHOMA, OKLAHOMA CITY													
Temperature:													
Monthly mean	36.4	39.6	50.0	59.8	67.7	76.0	80.6	79.7	72.3	61.5	48.8	39.3	59.4
Daily mean maximum	46.4	50.5	61.5	70.8	77.6	85.9	90.9	90.4	83.3	72.6	59.4	48.9	68.9
Daily mean minimum	26.4	28.8	38.4	48.9	57.7	66.1	70.3	69.0	61.8	50.4	38.1	29.6	48.8
Highest on record	83	90	97	96	98	106	106	103	102	97	86	79	108
Lowest on record	-11	-17	4	22	33	46	55	49	35	16	9	-2	-17
Precipitation:													
Total, inches	1.19	1.11	1.98	3.29	4.88	3.67	2.86	2.89	3.05	2.86	1.87	1.50	31.15
Days with 0.01 inch or more	6	6	5	7	8	11	8	7	6	6	5	6	82
Total snowfall, inches	2.8	2.2	0.8	(¹)	0	0	0	0	0	(¹)	0.3	2.0	8.1
Percentage of possible sunshine													
Number of clear days	55	60	60	62	63	71	76	77	73	67	64	59	66
Hourly wind velocity, miles	13.6	13.6	13.9	14.8	13.1	11.5	10.2	9.7	10.9	11.6	12.3	12.3	12.3
OREGON, PORTLAND													
Temperature:													
Monthly mean	39.4	42.1	46.9	51.8	56.9	62.4	66.7	66.7	61.7	54.2	46.8	41.2	53.1
Daily mean maximum	44.5	48.1	54.3	60.7	66.3	72.2	77.4	77.6	71.4	62.0	52.7	46.0	61.1
Daily mean minimum	34.3	36.1	39.5	43.0	47.4	52.6	55.9	55.8	52.0	46.4	41.0	36.4	46.0
Highest on record	62	68	82	90	99	101	104	98	96	86	73	66	102
Lowest on record	-2	7	20	23	32	39	43	43	36	30	11	3	-2
Precipitation:													
Total, inches	6.60	5.36	3.91	2.87	2.19	1.52	0.61	0.64	1.98	3.12	6.10	6.72	41.62
Days with 0.01 inch or more	20	17	17	15	13	10	4	4	8	12	17	19	156
Total snowfall, inches	5.8	3.9	0.8	(¹)	0	0	0	0	0	0	0.6	4.1	15.2
Percentage of possible sunshine													
Number of clear days	25	32	30	47	50	56	70	66	52	43	26	23	44
Hourly wind velocity, miles	6.5	6.7	6.5	6.2	6.1	5.9	5.9	5.5	5.4	5.2	6.2	6.3	6.0
PENNSYLVANIA, PITTSBURGH													
Temperature:													
Monthly mean	30.7	32.8	39.6	51.2	62.4	70.7	74.6	72.9	66.4	55.7	43.2	34.2	52.3
Daily mean maximum	38.3	40.4	48.3	60.9	72.4	80.5	84.2	82.6	76.2	64.9	50.7	41.0	61.7
Daily mean minimum	23.0	24.2	31.1	41.6	52.2	61.0	65.0	63.2	56.5	45.4	35.7	27.3	43.9
Highest on record	76	77	83	90	95	98	103	103	102	91	79	73	103
Lowest on record	-12	-20	1	11	27	39	49	45	35	20	4	-9	-20
Precipitation:													
Total, inches	3.05	2.62	3.03	2.02	3.21	3.81	4.05	3.23	2.58	2.52	2.29	2.85	36.17
Days with 0.01 inch or more	16	14	15	13	13	12	12	10	9	10	12	15	151
Total snowfall, inches	9.2	7.3	5.8	2.2	(¹)	0	0	0	(¹)	0.1	2.0	7.1	33.7
Percentage of possible sunshine													
Number of clear days	31	36	45	47	50	61	63	61	63	56	40	29	49
Hourly wind velocity, miles	12.2	12.6	12.7	12.0	10.2	9.4	8.7	8.5	8.7	9.9	11.9	12.0	10.7
RHODE ISLAND, PROVIDENCE													
Temperature:													
Monthly mean	27.2	29.0	35.7	46.6	58.5	68.3	73.4	71.0	63.2	52.2	40.4	31.6	49.8
Daily mean maximum	36.9	35.1	44.6	55.2	66.2	75.0	80.9	78.4	71.8	62.6	49.6	39.1	65.0
Daily mean minimum	21.2	18.6	28.0	37.5	47.6	55.9	63.0	60.9	53.9	44.9	34.3	24.8	40.9
Highest on record	64	62	84	88	92	96	103	103	97	92	87	75	103
Lowest on record	-9	-10	4	11	32	42	50	49	33	27	12	-12	-12
Precipitation:													
Total, inches	3.70	3.64	3.49	3.21	2.96	2.68	3.27	3.50	3.18	3.12	3.06	3.38	39.19
Days with 0.01 inch or more	13	11	12	12	12	10	10	9	9	9	10	10	127
Total snowfall, inches	8.3	10.3	6.0	2.0	(¹)	0	0	0	0	0	0.7	5.6	32.9
Percentage of possible sunshine													
Number of clear days	47	50	59	56	59	62	62	61	60	59	52	49	57
Hourly wind velocity, miles	14.2	15.0	15.3	13.7	12.6	11.2	10.1	9.9	10.6	11.6	13.3	13.9	12.6

¹ Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An- nual
SOUTH CAROLINA, CHARLESTON													
Temperature:													
Monthly mean	49.9	52.4	57.4	64.5	72.7	78.9	81.4	81.0	76.6	67.8	58.1	51.7	66.0
Daily mean maximum	57.3	59.9	65.2	71.9	79.6	85.5	87.8	87.1	82.9	74.7	65.7	59.3	73.1
Daily mean minimum	42.6	44.8	49.6	57.2	65.9	72.2	75.0	74.9	70.4	61.0	50.6	44.0	59.0
Highest on record	80	82	94	93	98	101	104	102	100	95	83	79	104
Lowest on record	10	7	24	32	45	49	64	62	49	37	23	12	7
Precipitation:													
Total, inches	3.02	2.68	3.02	2.53	3.00	4.59	6.89	6.53	4.53	3.27	2.14	2.72	45.22
Days with 0.01 inch or more	10	10	9	8	9	11	13	13	10	7	7	9	116
Total snowfall, inches	0.1	0.3	0	0	0	0	0	0	0	0	0	0.1	0.5
Percentage of possible sun- shine	58	58	65	71	71	69	63	63	68	66	69	55	65
Number of clear days	10	10	12	13	12	8	8	8	11	14	13	12	131
Hourly wind velocity, miles	10.7	11.4	10.9	11.6	10.9	10.4	9.9	11.2	10.6	11.1	10.0	10.3	10.7
SOUTH DAKOTA, HURON													
Temperature:													
Monthly mean	11.3	14.8	28.9	45.1	56.4	66.2	71.8	69.4	61.3	47.7	31.5	18.7	45.6
Daily mean maximum	22.2	24.9	39.0	57.0	68.5	78.0	84.1	82.3	74.7	60.7	42.6	28.9	55.3
Daily mean minimum	0.5	3.7	18.1	33.2	44.2	54.3	59.5	56.0	47.9	34.7	20.4	8.4	31.8
Highest on record	64	68	85	94	97	103	108	108	106	94	77	65	108
Lowest on record	-43	-37	-25	5	20	31	41	33	18	-6	-28	-34	-43
Precipitation:													
Total, inches	0.59	0.54	0.91	2.24	2.98	3.79	3.16	2.46	1.57	1.28	0.59	0.57	20.65
Days with 0.01 inch or more	7	7	8	9	11	11	10	9	7	6	5	7	97
Total snowfall, inches	5.8	5.1	5.6	1.2	0.2	0	0	0	(¹)	0.5	8.3	5.1	28.8
Percentage of possible sun- shine	57	66	61	62	64	68	74	71	64	61	56	50	63
Number of clear days	11	10	9	10	10	11	14	14	13	13	11	11	137
Hourly wind velocity, miles	11.2	11.4	12.2	13.5	12.3	11.1	10.0	9.9	11.3	11.3	10.9	10.4	11.3
TENNESSEE, NASHVILLE													
Temperature:													
Monthly mean	38.6	41.6	49.2	59.0	68.2	75.6	79.1	77.8	71.8	61.0	49.0	41.0	59.3
Daily mean maximum	46.8	50.5	58.6	68.9	78.3	85.3	88.6	87.4	82.0	71.6	58.5	49.1	68.8
Daily mean minimum	30.4	32.0	39.9	49.0	58.1	66.0	69.7	68.2	61.7	50.4	39.5	33.0	49.9
Highest on record	78	79	89	99	96	100	102	104	104	92	81	75	104
Lowest on record	-10	-13	3	25	36	42	54	51	38	28	10	-2	-13
Precipitation:													
Total, inches	4.76	4.18	5.11	4.13	3.87	4.00	3.88	3.71	3.42	2.49	3.50	4.20	47.20
Days with 0.01 inch or more	12	11	12	11	10	11	11	9	8	7	9	11	122
Total snowfall, inches	2.9	2.9	1.5	0.1	(²)	0	0	0	0	(¹)	0.2	1.4	9.0
Percentage of possible sun- shine	43	47	53	61	67	69	70	69	70	65	57	42	59
Number of clear days	7	7	9	9	10	9	10	12	13	15	11	8	120
Hourly wind velocity, miles	10.0	11.0	12.0	11.0	9.0	8.0	7.0	7.0	7.0	8.0	9.0	10.0	9.0
TEXAS, FORT WORTH													
Temperature:													
Monthly mean	45.4	48.3	57.7	65.0	72.3	79.9	83.6	83.0	76.9	66.7	55.5	47.5	65.2
Daily mean maximum	55.5	59.2	68.6	75.3	82.1	90.0	93.8	93.0	81.1	77.4	65.6	57.3	75.4
Daily mean minimum	35.2	37.5	46.8	54.7	62.7	69.8	73.5	72.9	66.7	56.0	45.4	37.7	54.9
Highest on record	93	96	100	97	103	107	109	112	104	99	87	83	112
Lowest on record	1	-8	18	30	34	48	56	55	40	24	20	9	-8
Precipitation:													
Total, inches	2.05	1.76	2.32	4.02	4.65	3.35	2.61	2.62	2.49	2.81	2.58	1.87	33.13
Days with 0.01 inch or more	6	6	7	8	9	6	6	5	5	6	6	6	76
Total snowfall, inches	1.0	0.5	0.2	0	0	0	0	0	0	0	0.1	0.5	2.3
Percentage of possible sun- shine	55	63	67	69	72	73	86	79	82	68	69	61	70
Number of clear days	11	11	15	11	11	13	14	15	10	16	14	14	161
Hourly wind velocity, miles	11.1	11.7	12.6	12.4	11.4	10.7	10.8	9.1	9.2	9.7	10.1	10.4	10.7
TEXAS, GALVESTON													
Temperature:													
Monthly mean	53.8	56.3	62.4	68.7	74.8	80.7	83.4	83.0	80.1	72.7	63.3	56.4	69.6
Daily mean maximum	59.2	61.6	67.4	73.3	79.2	85.2	88.0	87.7	84.8	77.7	68.6	61.8	74.5
Daily mean minimum	48.3	51.0	57.4	64.1	70.4	76.3	78.8	78.3	75.4	67.7	58.0	51.0	64.7
Highest on record	75	76	85	85	89	99	99	100	96	91	85	80	100
Lowest on record	11	8	30	41	52	57	66	67	54	41	26	18	8
Precipitation:													
Total, inches	3.41	2.83	2.68	3.06	3.42	4.37	3.71	4.28	5.57	4.36	3.33	3.76	44.77
Days with 0.01 inch or more	10	9	8	7	6	7	9	9	9	7	8	10	99
Total snowfall, inches	0.1	0.3	0	0	0	0	0	0	0	0	0	(¹)	0.4
Percentage of possible sun- shine	52	53	57	62	70	78	74	70	69	77	66	53	65
Number of clear days	10	9	10	10	12	15	14	15	15	18	13	10	161
Hourly wind velocity, miles	11.6	11.9	11.7	12.1	11.3	10.1	8.9	8.5	9.8	10.2	10.9	11.4	10.7

¹ Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
TEXAS, SAN ANTONIO													
Temperature:													
Monthly mean	52.3	55.4	62.8	69.1	75.1	81.0	83.8	83.5	79.0	70.5	60.3	53.7	68.9
Daily mean maximum	62.5	66.0	73.7	79.6	85.1	91.3	94.3	94.1	89.3	81.4	70.4	63.5	79.3
Daily mean minimum	42.1	44.9	51.9	58.6	66.2	70.8	73.3	72.8	68.7	59.6	60.2	44.0	58.5
Highest on record	87	91	97	100	103	105	100	108	103	99	89	89	108
Lowest on record	6	4	21	35	44	48	60	67	40	32	22	15	4
Precipitation:													
Total, inches	1.46	1.65	1.84	3.10	3.20	2.46	2.17	2.42	3.05	2.23	1.90	1.61	27.8
Days with 0.01 inch or more	8	7	7	7	8	7	6	6	7	5	7	7	82
Total snowfall, inches	(1)	0.1	0.1	0	0	0	0	0	0	0	(1)	0	0.4
Percentage of possible sunshine	51	53	57	57	62	71	73	75	71	67	52	52	62
Number of clear days	11	10	11	9	9	13	14	14	13	16	12	13	145
Hourly wind velocity, miles	7.8	8.4	9.0	8.8	8.2	7.6	7.2	8.3	6.7	6.2	7.3	7.3	7.6
UTAH, SALT LAKE CITY													
Temperature:													
Monthly mean	29.2	33.8	41.7	49.0	57.4	67.4	75.7	74.5	64.4	52.5	41.1	31.9	51.6
Daily mean maximum	36.4	41.5	50.5	59.5	68.2	79.2	88.0	86.5	76.0	62.9	49.6	39.1	61.4
Daily mean minimum	22.0	26.1	32.9	39.7	46.7	55.5	63.3	62.5	52.9	42.0	32.6	24.0	41.7
Highest on record	60	68	77	85	93	101	103	101	93	88	74	61	103
Lowest on record	-20	-13	0	18	25	32	43	44	29	22	-2	-10	-20
Precipitation:													
Total, inches	1.31	1.51	1.98	2.05	1.92	0.80	0.51	0.85	0.98	1.44	1.35	1.43	16.13
Days with 0.01 inch or more	10	10	10	9	8	5	4	5	6	7	7	10	90
Total snowfall, inches	11.2	10.7	10.0	8.3	0.4	0	0	0	(1)	1.1	5.6	10.7	53.1
Percentage of possible sunshine	45	48	54	62	66	77	78	76	70	68	58	44	63
Number of clear days	8	7	10	10	12	17	18	17	18	16	12	8	153
Hourly wind velocity, miles	6.5	6.6	7.7	8.3	8.5	8.3	7.6	7.3	7.6	6.8	6.0	5.7	7.2
VERMONT, NORTHFIELD													
Temperature:													
Monthly mean	15.2	16.4	26.4	40.3	52.8	61.3	65.9	63.4	56.1	45.5	32.8	20.4	41.4
Daily mean maximum	26.0	27.2	36.3	50.7	64.5	73.1	77.6	75.0	67.7	55.9	41.2	29.6	52.1
Daily mean minimum	4.4	5.5	16.5	30.0	41.1	49.4	54.2	51.7	44.5	35.0	24.5	11.2	30.7
Highest on record	61	59	75	85	93	96	98	95	92	85	72	65	98
Lowest on record	-33	-35	-22	-1	18	28	34	31	20	9	-14	-41	-41
Precipitation:													
Total, inches	2.35	2.25	2.56	2.28	2.75	3.19	3.58	3.53	3.07	2.80	2.93	2.40	33.84
Days with 0.01 inch or more	14	11	13	12	13	13	14	13	12	19	13	13	154
Total snowfall, inches	18.8	20.1	16.6	6.3	(1)	0	0	0	(1)	(1)	10.0	15.5	87.6
Percentage of possible sunshine	35	48	51	49	51	55	57	55	51	41	30	32	46
Number of clear days	5	6	7	7	7	6	5	7	8	6	4	4	72
Hourly wind velocity, miles	8.7	9.0	9.5	9.2	8.6	7.4	6.8	6.5	7.1	7.9	8.4	7.9	8.1
VIRGINIA, LYNCHBURG													
Temperature:													
Monthly mean	37.5	40.3	47.3	57.3	67.3	74.6	77.5	75.6	69.0	58.5	47.2	39.5	57.6
Daily mean maximum	46.4	49.6	57.3	68.5	78.4	84.9	87.4	85.1	79.0	69.4	57.2	48.3	67.6
Daily mean minimum	28.6	31.1	37.2	46.1	55.2	64.3	67.6	66.1	58.9	47.6	37.2	30.7	47.6
Highest on record	77	80	92	95	97	101	103	105	90	94	81	73	105
Lowest on record	-7	-3	11	20	34	43	50	47	35	27	13	-5	-7
Precipitation:													
Total, inches	3.43	3.15	3.54	2.95	3.63	3.79	4.21	3.78	3.31	3.15	2.88	3.26	40.58
Days with 0.01 inch or more	11	10	11	10	11	12	11	11	8	7	7	9	113
Total snowfall, inches	5.4	4.2	2.9	(1)	0	0	0	0	0	(1)	0	3.0	15.5
Percentage of possible sunshine	45	53	59	62	67	65	70	66	66	64	67	45	60
Number of clear days	10	10	11	11	11	9	10	10	13	16	13	11	135
Hourly wind velocity, miles	5.4	5.9	6.3	6.0	4.8	4.1	3.9	3.6	3.7	4.3	4.9	4.9	4.8
WASHINGTON, SEATTLE													
Temperature:													
Monthly mean	39.5	41.1	44.9	49.4	54.5	59.0	63.1	63.1	58.1	51.4	45.6	41.7	51.0
Daily mean maximum	43.9	46.3	51.3	57.0	62.2	67.0	72.2	72.0	65.4	57.2	50.3	45.9	57.6
Daily mean minimum	35.2	35.9	38.6	41.9	46.7	51.0	54.1	54.3	50.7	45.6	40.9	37.6	44.4
Highest on record	63	67	81	85	92	98	95	92	87	81	68	62	98
Lowest on record	3	4	20	30	36	40	46	46	36	29	15	12	5
Precipitation:													
Total, inches	4.94	3.89	3.05	2.38	1.87	1.33	0.63	0.70	1.77	2.84	5.03	5.00	34.03
Days with 0.01 inch or more	19	16	14	13	10	10	5	4	9	12	18	19	165
Total snowfall, inches	5.9	4.7	1.3	0.2	0	0	0	0	0	(1)	1.2	1.9	15.2
Percentage of possible sunshine	25	35	44	51	51	54	63	59	48	33	21	21	42
Number of clear days	3	4	5	6	8	8	13	13	8	5	2	3	76
Hourly wind velocity, miles	8.6	7.9	8.6	7.8	7.5	7.1	6.3	5.7	6.6	6.7	8.1	8.4	7.4

1 Trace.

No. 155.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
WEST VIRGINIA, PARKERSBURG													
Temperature:													
Monthly mean	32.5	34.2	42.8	53.4	63.8	71.4	75.4	73.0	67.3	56.1	43.8	36.2	54.2
Daily mean maximum	40.3	42.7	52.1	63.7	74.3	81.7	85.5	84.0	77.8	66.7	52.4	42.8	63.7
Daily mean minimum	24.8	26.8	33.5	43.1	53.2	61.2	65.2	63.7	56.8	46.5	35.2	27.7	44.6
Highest on record	74	76	86	93	96	99	102	106	99	91	81	72	106
Lowest on record	-12	-27	4	15	31	41	48	45	33	20	15	-10	-27
Precipitation:													
Total, inches	3.58	3.13	3.49	3.19	3.38	4.00	4.29	3.51	2.76	2.48	2.57	3.08	39.41
Days with 0.01 inch or more	15	13	15	13	12	18	12	10	9	9	10	13	144
Total snowfall, inches	7.4	7.2	4.6	1.1	(*)	0	0	0	0	(1)	1.3	4.6	26.2
Percentage of possible sunshine													
	30	37	42	48	55	58	62	57	50	52	37	27	47
Number of clear days													
	7	7	9	10	11	11	14	13	13	13	8	7	123
Hourly wind velocity, miles													
	6.6	7.3	7.2	6.7	5.2	4.5	4.4	4.2	4.2	4.9	5.9	6.1	5.6
WISCONSIN, GREEN BAY													
Temperature:													
Monthly mean	15.7	17.4	28.6	43.2	54.9	64.9	70.0	67.7	60.4	48.5	34.0	22.3	44.0
Daily mean maximum	23.5	25.8	36.7	52.1	64.6	74.8	80.2	77.5	69.7	56.9	40.7	29.0	52.6
Daily mean minimum	7.8	9.1	20.4	34.3	45.3	55.1	69.7	57.9	51.0	40.1	27.2	15.5	35.3
Highest on record	51	59	82	85	91	100	101	98	95	84	71	52	101
Lowest on record	-36	-33	-23	11	22	34	43	38	25	8	-12	-21	-36
Precipitation:													
Total, inches	1.54	1.56	2.04	2.65	3.52	3.70	3.46	3.18	3.52	2.54	2.16	1.71	31.58
Days with 0.01 inch or more	10	9	10	11	13	11	11	10	10	9	10	10	124
Total snowfall, inches	12.0	9.0	7.7	2.8	0.2	0	0	0	0	1.0	5.6	9.9	48.2
Percentage of possible sunshine													
	46	47	53	52	60	62	66	61	56	48	37	37	52
Number of clear days													
	7	7	7	7	7	6	8	8	8	7	5	6	83
Hourly wind velocity, miles													
	10.1	10.5	10.8	14.0	10.5	8.4	8.1	8.0	8.9	9.7	10.5	10.2	10.0
WYOMING, LANDER													
Temperature:													
Monthly mean	18.3	22.5	32.4	42.4	51.2	60.5	67.4	65.5	55.7	43.5	30.3	20.4	42.5
Daily mean maximum	31.8	36.3	45.7	55.6	64.9	76.1	84.1	82.5	72.1	58.6	44.2	33.9	67.2
Daily mean minimum	4.7	8.7	19.2	29.3	37.6	44.8	50.5	48.4	39.3	28.5	16.5	7.0	27.9
Highest on record	64	64	71	82	88	96	100	96	90	83	72	62	100
Lowest on record	-36	-35	-24	-3	13	26	32	23	7	-14	-31	-40	-40
Precipitation:													
Total, inches	0.56	0.63	1.19	2.06	2.26	1.15	0.69	0.53	0.92	1.36	0.60	0.68	12.63
Days with 0.01 inch or more	4	5	7	8	9	6	6	5	5	5	4	4	68
Total snowfall, inches	5.2	8.0	12.5	13.2	5.1	0.5	0	0	2.1	8.8	6.7	8.4	71.4
Percentage of possible sunshine													
	67	73	74	67	66	75	77	78	73	68	58	61	70
Number of clear days													
	12	10	9	9	8	12	13	13	15	14	11	12	138
Hourly wind velocity, miles													
	3.9	3.7	5.0	5.3	5.4	5.0	4.5	4.3	4.5	3.9	3.8	5.4	4.4

1 Trace.

Source: The Weather Bureau, Department of Agriculture.

8. ARMY, NAVY, CIVIL SERVICE, PENSIONS, VETERANS' BUREAU ACTIVITIES, ELECTIONS, ETC.

No. 156.—ARMY OF THE UNITED STATES: STRENGTH OF COMPONENT PARTS

NOTE.—Prior to 1914, table covers quinquennial years and years in which considerable changes occurred in the number of Regular Army. Figures for Officers' Reserve Corps include Regular Army enlisted men and also, prior to 1924, National Guard officers, holding commissions in the reserve. There is, therefore, some duplication in the grand totals, but the number of this personnel is not so great as to make a material difference in the figures

June 30—	Grand total	Regular Army ¹			National Guard ²			Reserve forces ³		
		Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1890	136,624	27,089	2,168	24,921	100,535	8,555	100,980	—	—	—
1895	140,051	27,172	2,164	25,018	112,879	9,227	103,652	—	—	—
1900	223,369	68,155	2,486	65,669	122,219	8,249	113,967	32,998	1,531	31,467
1901	200,690	81,680	2,940	78,646	115,749	8,751	106,998	3,361	4,360	3,011
1902	185,805	76,594	3,731	71,863	110,221	(⁴)	(⁵)	—	—	—
1905	178,260	66,956	3,634	63,022	111,313	8,080	102,633	—	—	—
1907	168,837	65,624	3,797	59,827	105,213	8,567	96,646	—	—	—
1908	187,369	76,428	3,966	72,462	110,941	8,583	102,358	—	—	—
1909	203,355	84,459	4,208	80,251	118,928	8,076	108,951	—	—	—
1910	200,378	80,718	4,439	76,279	119,600	9,158	110,508	—	—	—
1912	213,313	91,461	4,660	86,811	121,852	9,142	112,710	—	—	—
1914	225,319	97,760	4,883	92,877	128,043	8,792	119,251	16	—	16
1915	235,410	105,993	4,798	101,195	129,398	8,705	120,693	19	—	19
1916	244,483	107,641	5,025	102,616	132,104	8,589	123,605	4,648	—	4,648
1917	629,863	250,367	6,332	244,025	314,581	11,000	303,581	64,925	21,543	43,382
1918	2,246,103	1,741,084	110,518	1,730,566	445,678	12,000	433,678	1,059,341	135,380	923,961
1918 (Nov. 11)	3,673,838	1,367,888	118,434	1,438,454	—	—	—	—	—	—
1919	931,422	836,882	178,003	758,879	37,210	1,168	36,012	67,380	45,573	11,757
1920	303,540	200,367	15,519	184,848	56,000	2,073	54,017	107,083	68,232	38,851
1921	407,920	227,374	15,124	213,250	113,640	5,843	107,797	66,006	66,905	101
1922	373,597	146,069	15,147	131,994	159,658	8,744	150,914	67,870	67,390	480
1923	370,042	130,964	15,268	118,282	160,598	9,075	150,923	78,480	76,923	1,557
1924	397,794	140,644	15,501	125,143	177,428	10,996	166,432	79,722	76,322	3,400
1925	406,162	134,624	15,909	121,715	177,525	11,495	165,930	94,013	88,898	5,115
1926	410,902	133,033	15,105	119,928	174,969	11,438	163,534	102,900	97,125	5,775
1927	421,519	133,070	15,175	119,904	181,142	12,192	168,950	107,398	101,563	5,735
1928	426,075	134,331	15,174	121,157	181,221	12,428	168,793	110,523	105,069	5,464

¹ Includes Philippine Scouts beginning with 1902. Figures for 1919 to 1926, inclusive, include in most cases World War emergency personnel still in service. All emergency enlisted men still in service were discharged on July 2, 1921. On Nov. 11, 1920, the last emergency (World War nonregular) officer who for several years had been undergoing treatment for physical reconstruction, was discharged, thereby completing the demobilization of the World War Army. Retired personnel on active duty are not included.

² State militia prior to act of June 3, 1916.

³ Figures for 1900 and 1901 are "U. S. Volunteers of the Philippine Insurrection period; for other years Regular Army Reserve, Officers' Reserve Corps, Enlisted Reserve Corps, and the "National Army" of the World War period, as noted.

⁴ U. S. Volunteers.

⁵ Figures on officers and enlisted men not available.

⁶ Regular Army Reserve. The Regular Army Reserve was abolished by act of June 4, 1920.

⁷ Includes National Guard personnel in Federal service.

⁸ Estimate.

⁹ Officers' Reserve Corps. Beginning with 1924, figures do not include individuals who hold commissions also in the National Guard.

¹⁰ Includes Regular Army Reserve, 8,382; Enlisted Reserve Corps, 35,000 (estimate).

¹¹ Subject to revision.

¹² Includes Officers' Reserve Corps, 86,262; National Army, 49,118 (estimate).

¹³ Estimated enlisted strength of the National Army. Practically all members of the Regular Army Reserve and the Enlisted Reserve Corps had, by this date, been assigned to duty with Regular Army, National Guard, and National Army organizations.

¹⁴ Estimates only. Under orders of the Secretary of War all components had been merged into one army known as "The United States Army."

¹⁵ Beginning with 1919, figures for commissioned officers include warrant officers in the following numbers: 1919, 37; 1920, 68; 1921, 1,159; 1922, 1,151; 1923, 1,085; 1924, 1,063; 1925, 1,028; 1926, 1,325; 1927, 1,262; 1928, 1,208.

¹⁶ Enlisted Reserve Corps.

¹⁷ Beginning with 1924, figures for commissioned officers include warrant officers in the following numbers: 1924, 37; 1925, 160; 1926, 162; 1927, 182; 1928, 184.

Source: Reports of the War Department.

No. 157.—NATIONAL GUARD:¹ ORGANIZED STRENGTH, JUNE 30

State or Territory	1922		1928		State or Territory	1922		1928	
	Off-icers	En-listed men	Off-icers ²	En-listed men		Off-icers	En-listed men	Off-icers ²	En-listed men
Total	8,744	160,914	12,428	188,793	Montana.....	20	419	74	1,020
Alabama.....	152	2,455	208	2,597	Nebraska.....	65	1,203	108	1,602
Arizona.....	30	526	55	823	Nevada.....	(³)	(³)	8	—
Arkansas.....	92	1,607	143	2,034	New Hampshire.....	63	1,082	69	938
California.....	164	3,349	376	5,109	New Jersey.....	213	4,009	332	4,508
Colorado.....	91	1,305	139	1,629	New Mexico.....	45	670	66	1,057
Connecticut.....	149	2,913	312	3,888	New York.....	1,142	20,474	1,338	19,459
Delaware.....	60	710	67	741	North Carolina.....	114	2,213	230	3,355
District of Columbia.....	34	456	64	930	North Dakota.....	46	1,102	72	1,199
Florida.....	94	1,654	154	2,287	Ohio.....	513	8,118	587	7,895
Georgia.....	129	2,391	223	3,360	Oklahoma.....	159	3,785	417	4,602
Hawaii.....	62	1,203	101	1,579	Oregon.....	118	2,230	187	2,777
Idaho.....	67	896	80	989	Pennsylvania.....	750	11,864	841	10,907
Illinois.....	355	6,606	608	8,617	Porto Rico.....	67	1,465	85	1,425
Indiana.....	290	4,632	348	4,457	Rhode Island.....	75	1,441	114	1,494
Iowa.....	195	3,411	241	3,439	South Carolina.....	95	1,781	122	2,154
Kansas.....	172	2,539	251	3,005	South Dakota.....	57	904	100	1,180
Kentucky.....	110	2,327	215	2,588	Tennessee.....	55	776	190	2,514
Louisiana.....	79	1,440	127	1,871	Texas.....	326	5,581	577	7,227
Maine.....	114	2,060	146	1,989	Utah.....	46	710	103	1,141
Maryland.....	103	2,415	226	3,038	Vermont.....	72	1,135	81	1,147
Massachusetts.....	433	7,850	623	8,971	Virginia.....	192	3,258	259	3,493
Michigan.....	227	3,735	309	4,133	Washington.....	148	2,364	206	2,455
Minnesota.....	278	4,769	343	4,600	West Virginia.....	44	1,019	103	1,655
Mississippi.....	63	1,352	123	1,617	Wisconsin.....	430	6,470	349	4,295
Missouri.....	227	3,794	298	4,188	Wyoming.....	29	440	47	751

¹ "National Guard" by act of June 3, 1916.

⁴ Did not accept allotment.

² Includes 184 warrant officers.

Source: Reports of the War Department.

No. 158.—NAVY, MARINE CORPS, AND THE NAVAL RESERVE: ORGANIZED STRENGTH, JUNE 30

Year	Navy		Naval Reserve ¹		Marine Corps		Marine Corps Reserve	
	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men
1903.....	2,009	27,245	435	4,901	195	6,091	—	—
1905.....	2,252	30,804	465	4,475	273	6,932	—	—
1907.....	2,552	33,027	504	5,225	279	8,038	—	—
1909.....	2,823	44,129	525	5,639	334	9,348	—	—
1910.....	2,921	45,076	540	5,961	334	9,152	—	—
1911.....	3,069	46,769	602	6,592	330	9,454	—	—
1912.....	3,114	46,651	615	7,185	319	9,507	—	—
1913.....	3,505	48,068	615	7,446	330	9,757	—	—
1914.....	3,711	52,667	596	7,132	341	9,888	—	—
1915.....	3,780	52,551	606	7,706	344	9,968	—	—
1916.....	4,134	77,956	638	9,170	646	14,981	—	—
1917.....	4,263	141,543	² 4,166	³ 57,801	500	24,772	—	—
1918.....	7,974	217,834	² 15,486	³ 239,906	1,283	45,348	373	4,073
1919.....	10,488	145,018	² 32,137	³ 35,805	1,997	43,921	210	5,188
1920.....	9,171	107,360	² 28,482	³ 2,445	1,106	16,061	725	6,145
1921.....	8,625	103,571	² 19,734	(⁴)	1,087	21,903	564	4,750
1922.....	7,831	88,580	² 5,340	⁵ 13,400	1,142	20,098	545	4,180
1923.....	7,873	82,355	4,222	17,511	1,140	18,533	446	1,110
1924.....	8,126	87,827	3,975	21,015	1,157	19,176	136	443
1925.....	8,389	84,289	3,818	24,349	1,168	18,310	137	501
1926.....	8,574	82,161	3,736	25,654	1,178	17,956	150	483
1927.....	8,004	83,868	3,771	26,293	1,200	18,000	250	2,647
1928.....	8,856	84,355	4,091	27,072	1,198	17,822	378	5,685
							413	8,366

¹ Figures prior to 1917 relate to the Naval Militia.

⁴ No figures available.

² Enrolled.

⁵ Approximate.

³ On active duty Aug. 1.

Source: Reports of the Navy Department.

No. 159.—ARMY OF THE UNITED STATES: ESTIMATED STRENGTH, BY MONTHS, APRIL 1, 1917, TO NOVEMBER 1, 1918

Date	Aggregate			In the United States and foreign possessions			In the American Expeditionary Forces ¹		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1917									
Apr. 1----	199,705	9,159	190,546	199,705	9,159	190,546			
July 1----	393,275	31,678	361,597	381,675	31,220	350,456	11,600	449	11,151
Oct. 1----	1,011,963	88,400	923,563	954,249	54,108	900,146	57,714	4,297	53,417
1918									
Jan. 1----	1,412,066	82,000	1,330,066	1,243,428	72,450	1,170,979	168,638	9,541	159,007
Apr. 1----	1,672,975	96,000	1,576,975	1,384,893	77,460	1,307,433	308,082	18,531	289,551
July 1----	2,379,679	115,179	2,264,400	1,514,378	76,117	1,438,261	805,201	40,062	825,139
Oct. 1----	3,313,145	178,000	3,135,145	1,610,185	100,974	1,509,211	1,702,960	71,026	1,631,934
Nov. 1----	3,545,330	185,000	3,360,330	1,681,311	108,369	1,572,942	1,894,019	76,631	1,787,388

¹Exclusive of Navy and Marine Corps personnel serving with the Army.

Source: Reports of the War Department.

No. 160.—ARMY OF THE UNITED STATES: COMPARATIVE STRENGTH ON APRIL 1, 1917, AND NOVEMBER 11, 1918, BY BRANCHES OF SERVICE

Branch	Apr. 1, 1917			Nov. 11, 1918		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men
Total -----	199,705	9,159	190,546	3,673,888	188,434	3,485,454
Infantry ¹ -----	107,002	4,674	102,328	1,046,303	39,445	1,006,861
Corps of Engineers-----	2,979	277	2,702	308,318	10,761	297,557
Field Artillery ² -----	9,520	404	9,116	899,827	19,131	880,696
Medical Department-----	8,934	1,105	7,829	304,838	40,338	264,500
Quartermaster Corps-----	7,657	279	7,378	258,398	10,783	247,615
Coast Artillery Corps-----	21,847	786	20,561	152,913	5,368	147,545
Ordnance Department-----	837	98	741	66,767	5,158	61,609
Signal Corps-----	2,946	110	2,836	62,760	2,367	50,393
Cavalry-----	20,397	1,035	19,362	30,901	1,717	29,184
Air Service-----				197,446	19,198	178,248
Motor Transport Corps-----				62,608	2,908	59,616
Militia Bureau-----				26,262	1,194	25,068
Military Police Corps-----				17,547	492	17,055
Chemical Warfare Service-----				19,468	1,002	17,466
Tank Corps-----				15,000	1,000	14,000
Postal Express Service-----				3,154	131	3,023
Philippine Scouts-----	5,523	169	5,354	8,468	243	8,225
In training-----				444,789	12,769	432,014
All others-----	12,163	224	11,939	250,940	13,337	243,603

¹Including machine gun units.

²Including ammunition trains.

Source: Reports of the War Department.

No. 161.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, JUNE 30

June 30—	Total		Fighting ships		Nonfighting ships	
	Number	Displacement	Number	Displacement	Number	Displacement
1906-----	276	Tons 692,592	200	Tons 518,115	76	Tons 174,477
1910-----	308	1,075,407	220	828,695	88	246,712
1915-----	343	1,352,135	230	913,334	113	438,801
1920-----	795	2,111,467	618	1,369,880	177	741,577
1923-----	774	2,353,600	685	1,333,065	189	1,020,535
1924-----	753	2,268,843	665	1,253,182	188	1,005,661
1925-----	754	2,274,376	567	1,209,791	187	1,004,585
1926-----	734	2,247,955	557	1,273,550	177	974,405
1927-----	734	2,225,348	556	1,204,313	178	961,035
1928-----	735	2,310,431	561	1,331,043	174	979,388

Source: Navy Department.

No. 162.—VESSELS IN THE NAVY: NUMBER AND DISPLACEMENT, BY CLASSES,
DECEMBER 31, 1928

Class and type	Total		Fit for service, including those under repair				Under construction		Authorized, but no funds appropriated	
			In commission		Out of commission					
	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement
Grand total, all types	762	Tons 12,408,393	405	Tons 1,627,610	330	Tons 795,263	10	Tons 85,520	17	Tons (²)
Battleships (first line)	18	525,860	18	525,860	-----	-----	-----	-----	-----	-----
Cruiser type, total	47	429,221	21	207,230	18	141,991	8	80,000	-----	-----
Cruisers, second line.....	11	139,450	3	36,330	8	103,120	-----	-----	-----	-----
Light cruisers, first line.....	18	155,000	10	75,000	-----	-----	8	80,000	-----	-----
Light cruisers, second line.....	11	39,975	3	9,600	8	30,375	-----	-----	-----	-----
Aircraft carriers, first line.....	2	66,000	2	66,000	-----	-----	-----	-----	-----	-----
Aircraft carriers, second line.....	1	12,700	1	12,700	-----	-----	-----	-----	-----	-----
Mine layers, second line.....	4	16,096	2	7,600	2	8,496	-----	-----	-----	-----
Destroyer type, total	290	1,335,089	112	135,912	172	199,177	-----	-----	12	(²)
Destroyers, first line.....	274	1,312,479	106	128,706	156	183,713	-----	-----	12	(²)
Destroyers, second line.....	8	5,936	-----	-----	8	5,936	-----	-----	-----	-----
Light mine layers.....	14	16,674	6	7,146	8	9,528	-----	-----	-----	-----
Submarines, total	128	1,92,979	80	65,945	42	21,514	2	5,520	4	(²)
Submarines, first line.....	51	1,43,822	47	40,843	3	2,979	-----	-----	1	(²)
Submarines, second line.....	65	31,282	20	16,065	36	15,217	-----	-----	-----	-----
Fleet submarines, first line.....	9	19,675	3	6,357	3	3,318	-----	-----	3	(²)
Fleet submarines (mine laying).....	1	2,680	1	2,680	-----	-----	-----	-----	-----	-----
Fleet submarines (cruiser).....	2	5,520	-----	-----	-----	-----	2	5,520	-----	-----
Patrol vessels, total	98	45,816	67	28,733	41	19,083	-----	-----	-----	-----
Eagles.....	53	26,500	17	8,500	36	18,000	-----	-----	-----	-----
Submarine chasers.....	27	2,079	23	1,771	4	308	-----	-----	-----	-----
Gunboats.....	12	8,817	12	8,817	-----	-----	-----	-----	-----	-----
Converted yachts.....	6	8,420	5	7,645	1	775	-----	-----	-----	-----
Auxiliaries, total	149	1,870,994	100	515,521	45	355,473	-----	-----	1	(²)
Destroyer tenders.....	8	95,375	6	69,700	2	25,675	-----	-----	-----	-----
Submarine tenders.....	8	64,083	6	51,875	2	12,208	-----	-----	-----	-----
Aircraft tenders.....	1	11,500	1	11,500	-----	-----	-----	-----	-----	-----
Repair ships.....	3	26,200	2	18,100	1	8,100	-----	-----	-----	-----
Store ships.....	5	61,500	2	21,100	3	40,400	-----	-----	-----	-----
Colliers.....	5	96,140	1	19,250	4	76,890	-----	-----	-----	-----
Oilers.....	19	275,336	11	160,286	8	125,050	-----	-----	-----	-----
Ammunition ships.....	2	21,200	1	10,600	1	10,600	-----	-----	-----	-----
Cargo ships.....	6	59,680	3	26,230	3	33,450	-----	-----	-----	-----
Transports.....	3	123,400	2	23,400	-----	-----	-----	-----	1	(²)
Hospital ships.....	3	25,817	2	10,000	1	5,917	-----	-----	-----	-----
Ocean tugs.....	35	31,348	24	22,715	11	8,633	-----	-----	-----	-----
Mine sweepers.....	43	40,850	34	32,300	9	8,550	-----	-----	-----	-----
Miscellaneous.....	5	38,565	5	38,565	-----	-----	-----	-----	-----	-----
Unclassified	29	108,444	17	50,410	12	58,025	-----	-----	-----	-----

¹ Displacement of the following not included in totals: 12 destroyers; 1 submarine, first line; 3 fleet submarines, first line; 1 transport.

² Displacement not given.

Source: Navy Department.

No. 163.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION, YEARS ENDED JUNE 30

NOTE.—Data cover the expenditures and budget of the national organization only and do not include chapter budgets. The estimates for 1920 include amounts appropriated to February 28, 1923, for domestic and foreign disasters. The total expenditures for 1921 were \$24,402,741; 1922, \$12,475,848; 1923, \$9,738,448

Item	1924	1925	1926	1927	1928	Estimated 1929
Total	\$16,497,255	\$5,836,690	\$7,881,869	\$11,860,348	\$19,866,291	\$10,898,191
Domestic operations:						
Service to disabled veterans	1,735,825	1,677,916	1,641,178	1,161,224	862,337	887,135
Service to men of the Regular Army and Navy	308,286	310,376	309,452	307,832	307,468	808,039
Disaster relief	450,604	1,622,783	3,642,827	7,960,893	16,601,608	7,789,678
Enrolled Nurses' Reserve	43,508	45,563	47,383	45,249	46,364	44,249
Public health nursing	267,241	229,616	215,823	211,069	160,637	164,710
Home hygiene and care of the sick	68,533	52,760	51,466	48,380	85,980	90,740
Nutrition	65,604	74,135	64,108	54,371	64,020	66,339
First aid and life saving	216,235	233,423	251,385	238,780	297,201	302,480
Junior Red Cross	233,511	216,707	212,053	188,484	236,564	237,793
Other domestic operations	283,473	302,958	264,400	236,147	298,500	302,733
Insular and foreign operations:						
Relief in foreign disasters	11,969,690	285,579	53,076	256,963	213,339	102,869
League of Red Cross Societies	165,000	177,450	180,000	192,500	210,500	210,000
Junior Red Cross foreign projects	99,580	84,884	74,065	69,900	31,339	25,170
Assistance to insular chapters	221,855	110,239	49,600	75,621	63,873	40,000
Other insular and foreign work		80,058	54,784	48,392	28,653	35,394
Supervision of service activities and general management	368,310	332,733	270,629	205,132	267,859	268,832

No. 164.—AMERICAN NATIONAL RED CROSS: ANNUAL ROLL CALL, 1927-28

NOTE.—Total continental United States membership (including Alaska) and per cent of total population in previous years: 1918-19, 19,696,773 (18.02 per cent); 1919-20, 9,171,513 (8.67 per cent); 1920-21, 5,830,353 (5.52 per cent); 1921-22, 3,763,111 (3.56 per cent); 1922-23, 3,330,089 (3.15 per cent); 1923-24, 3,043,586 (2.88 per cent); 1924-25, 3,035,093 (2.87 per cent); 1925-26, 2,916,303 (2.76 per cent); 1926-27, 2,995,846 (2.6 per cent)

State or Territory	Membership	Population, July 1, 1927 (census estimates)	Per cent of membership to population	State or Territory	Membership	Population, July 1, 1927 (census estimates)	Per cent of membership to population
Grand total	4,058,849			Montana	21,689	714,000	3.0
Continental U. S. 1	3,975,156	118,682,681	3.4	Nebraska	32,948	1,896,000	2.3
Alabama.....	21,694	2,549,000	0.8	Nevada	4,570	277,407	5.9
Alaska.....	3,339	455,936	6.1	New Hampshire	40,994	455,000	9.0
Arizona.....	12,603	459,000	2.7	New Jersey	189,737	3,749,000	5.1
Arkansas.....	55,091	1,923,000	2.9	New Mexico	7,463	392,000	1.9
California.....	267,598	4,493,000	6.0	New York	493,590	11,423,000	4.3
Colorado.....	20,732	1,074,000	2.7	North Carolina	38,714	2,597,000	1.3
Connecticut.....	101,143	1,636,000	6.2	North Dakota	26,837	264,192	4.2
Delaware.....	5,744	243,000	2.4	Ohio	277,794	6,710,000	4.1
Dist. of Columbia.....	27,341	540,000	5.1	Oklahoma	32,507	2,384,000	1.4
Florida.....	41,469	1,868,000	3.0	Oregon	26,831	890,000	3.0
Georgia.....	20,535	3,171,000	0.9	Pennsylvania	432,458	6,730,000	4.4
Idaho.....	14,237	634,000	2.7	Rhode Island	46,757	704,000	5.8
Illinois.....	184,211	7,296,000	1.8	South Carolina	12,323	1,845,000	0.7
Indiana.....	106,961	3,150,000	3.4	South Dakota	12,089	696,000	1.7
Iowa.....	84,893	2,425,000	3.5	Tennessee	58,052	2,485,000	1.2
Kansas.....	52,987	1,828,000	2.9	Texas	82,068	5,397,000	1.5
Kentucky.....	44,410	2,598,000	1.7	Utah	9,635	322,000	1.8
Louisiana.....	65,006	1,934,000	3.4	Vermont	41,328	352,423	11.7
Maine.....	36,973	703,000	4.6	Virginia	56,070	2,540,000	2.2
Maryland.....	46,720	1,597,000	3.4	Washington	43,279	1,562,000	3.1
Massachusetts.....	236,748	4,242,000	5.6	West Virginia	35,275	1,096,000	2.1
Michigan.....	213,259	4,400,000	4.9	Wisconsin	54,458	2,918,000	1.9
Minnesota.....	86,476	2,880,000	3.2	Wyoming	10,876	241,000	4.3
Mississippi.....	54,852	2,790,618	3.1	At Large	4,703		
Missouri.....	132,936	3,510,000	3.8	Insular territories and possessions	83,794		

¹ Includes Alaska.

² Population Jan. 1, 1920.

³ Population State census, 1925.

No. 165.—WAR PENSIONERS AND DISBURSEMENTS FOR PENSIONS

NOTE.—Provision for those participating in the World War or their dependents was made by other methods (see subsequent tables) and the expenditures are not included in this table except in the case of a few individuals whose claims were based on disability or death resulting from disability of service origin prior to April 6, 1917, and after July 2, 1921, and who come under the jurisdiction of the Pension Bureau

June 30 or year ended June 30—	Number on rolls			Disbursements for pensions	Maintenance and expenses	June 30 or year ended June 30—	Number on rolls			Disbursements for pensions	Maintenance and expenses
	In-valids	Widows, etc.	Total				In-valids	Widows, etc.	Total		
				In thousands of dollars							
1866.....	55,052	71,070	126,722	15,450	407	1903.....	729,350	267,189	996,545	137,760	3,093
1870.....	87,321	111,165	198,686	29,351	600	1904.....	720,921	276,841	994,762	141,094	3,849
1875.....	122,989	111,822	234,821	29,270	982	1905.....	717,761	280,680	998,441	141,143	3,722
1880.....	145,410	105,392	250,802	66,989	885	1906.....	701,483	284,488	985,971	139,000	3,523
1881.....	164,110	104,720	268,830	50,583	1,072	1907.....	679,637	287,434	967,371	138,155	3,309
1882.....	182,638	103,064	285,697	54,313	1,463	1908.....	658,071	293,616	951,687	153,093	2,801
1883.....	206,042	97,616	303,658	60,428	2,592	1909.....	632,557	313,637	946,194	161,974	2,853
1884.....	225,470	97,236	322,756	57,912	3,335	1910.....	602,180	318,903	921,083	159,974	2,658
1885.....	247,149	97,970	345,125	65,172	3,393	1911.....	570,050	322,048	892,098	157,325	2,617
1886.....	270,346	95,437	365,783	64,091	3,245	1912.....	538,000	322,204	860,204	152,986	2,449
1887.....	306,298	99,709	406,007	73,753	3,753	1913.....	503,633	316,567	820,272	174,172	2,543
1888.....	343,701	108,856	452,557	78,951	3,515	1914.....	470,331	314,908	785,239	172,448	2,067
1889.....	373,699	116,026	489,725	88,043	3,467	1915.....	437,448	310,699	748,147	165,618	1,780
1890.....	415,654	122,290	537,944	106,064	3,526	1916.....	403,120	306,452	709,572	159,155	1,657
1891.....	536,821	139,339	676,160	117,313	4,701	1917.....	369,936	303,175	673,111	100,895	1,563
1892.....	703,242	172,826	876,068	139,304	4,899	1918.....	340,318	300,582	646,895	179,831	1,528
1893.....	759,706	206,306	966,012	156,907	4,888	1919.....	313,140	311,287	624,427	222,159	1,433
1894.....	754,382	215,162	969,544	139,987	3,964	1920.....	285,219	306,971	592,190	213,295	1,395
1895.....	751,456	219,068	970,524	139,812	4,338	1921.....	267,731	298,322	566,053	258,721	1,390
1896.....	748,514	222,164	970,678	138,221	3,991	1922.....	256,918	290,068	547,016	253,808	1,394
1897.....	747,492	228,522	976,014	139,950	3,988	1923.....	253,686	286,070	539,756	263,013	1,992
1898.....	758,511	235,203	993,714	144,452	4,114	1924.....	243,116	277,423	520,539	229,995	1,498
1899.....	754,104	237,415	991,519	138,462	4,148	1925.....	244,886	267,651	512,637	217,151	1,489
1900.....	752,510	241,019	993,529	138,355	3,842	1926.....	246,139	255,584	501,723	207,844	1,436
1901.....	748,649	249,086	997,735	138,531	3,869	1927.....	246,194	243,748	489,942	230,153	1,327
1902.....	739,443	260,068	999,446	137,504	3,831	1928.....	250,030	232,164	481,194	228,066	1,215

PENSIONS OF THE SEVERAL WARS

War	Total payments, 1790 to June 30, 1928	Number on rolls June 30—		Amount paid, year ended June 30—		Value of average pension	
		1920	1928	1920	1928	1920	1928
Total.....	\$7,720,464,744	562,190	491,194	\$213,296,311	\$228,965,672	\$340	\$466
War of the Revolution.....	70,000,000	71	14	21,145	8,903	293	636
War of 1812.....	46,181,424	6,228	8,871	1,746,308	3,056,944	203	446
Indian wars.....	35,470,838	2,571	849	676,682	544,406	210	641
War with Mexico.....	58,000,427	533,720	272,906	202,586,306	149,668,976	369	548
Civil War.....	7,101,082,789	30,432	191,270	4,624,008	70,674,419	142	370
War with Spain.....	309,902,327	19,031	17,220	3,604,038	4,095,763	181	238
Regular establishment.....	82,477,286	128	64	36,734	16,260	228	264
World War.....	236,227						
Unclassified.....	16,513,426						

NUMBER RECEIVING SPECIFIED MONTHLY RATES OF PENSION JUNE 30, 1928

	\$12	\$20	\$25	\$30	\$40	\$50	\$65	\$72	\$90	Other rates
Regular establishment:										
Soldiers.....	2,094	88	40	1,551	55	278	6	216	143	9,194
Widows, etc.....	2,384	373	164	272	68	67				227
Civil War:										
Soldiers.....	3	3	1	27	1	402	31,628	35,902	6,818	287
Widows, etc.....	323	1,126	592	138,069	38,508	19,120	2			185
War with Spain:										
Soldiers.....	202	45,952	39,447	36,363	23,586	17,056	1	1,202	75	1,201
Widows, etc.....	53	1,391	53	24,617	10	19				52
Other wars: ¹										
Soldiers.....	1	607	107	739	895	2,892		2	2	
Widows, etc.....	3	27		3,575	4	822		1		

¹ Not including 64 pensioners of the World War receiving from \$6 to \$100 per month.

Source: Bureau of Pensions, Department of the Interior.

GENERAL NOTE.—The following is a summary of the various forms of veterans' relief under the administration of the United States Veterans' Bureau.

Compensation is awarded for death or disability resulting from personal injuries received or diseases contracted in the military or naval service on or after April 6, 1917, and before July 2, 1921, or for an aggravation or recurrence of a preexisting disability resulting from such service. The rates of compensation range from \$8 per month for a temporary disability to \$200 per month for double permanent total disability. In some instances a \$50 allowance for an attendant is granted in addition to other compensation.

Yearly renewable term insurance.—During the period of the war and until July 2, 1927, yearly renewable term insurance ranging from \$500 to \$10,000 was issued. All term insurance not converted into permanent United States Government life insurance before July 2, 1927, lapsed. Claims upon such policies are paid in 240 monthly installments except where there is no beneficiary named or where the beneficiary named dies before receiving all of the payments, the remainder is paid in one sum.

Medical and hospital care.—In addition to compensation payments, the disabled person is furnished reasonable Government medical, surgical, and hospital service and supplies, and appliances considered reasonably necessary. Hospital facilities of this bureau are also available for veterans of the Spanish American War, the Philippine Insurrection, the Boxer Rebellion, or the World War, suffering from neuropsychiatric or tubercular ailments and diseases, paralysis agitans, encephalitis lethargica or amoebic dysentery, or the loss of sight of both eyes, whether such ailments or diseases are due to military service or otherwise. The bureau is also authorized to furnish hospitalization and necessary traveling expenses to veterans of any war since 1897, without regard to the nature or origin of their disabilities.

Vocational rehabilitation.—Under the act of July 27, 1918, honorably discharged members of the Army, Navy, or Marine Corps who were unable to carry on in a gainful occupation successfully were provided with vocational training at Government expense, including allowances for maintenance of them and their dependents. The act also provided for the placement of rehabilitated persons in suitable occupations. Veterans who suffered a compensable disability but were not vocationally handicapped were provided with instruction, including tuition and supplies, but were not given maintenance allowance. Rehabilitation activities of the bureau ceased with the close of the fiscal year 1923.

United States Government life insurance.—United States Government life insurance is issued in any multiple of \$500, not less than \$1,000 or more than \$10,000, upon the payment of premiums at a net peace-time rate, with no extra charge for administration or excess mortality due to the hazards of war. (For rates and forms of insurance see Tables 168 and 170.) The policies carry the usual provisions common to policies issued by commercial companies, such as extended insurance, paid-up insurance, cash surrenders, and loans. Dividends are also paid from excess of interest earnings and savings in mortality.

Adjusted compensation.—The act of May 19, 1924, authorized the payment of adjusted compensation to all veterans of the World War, excluding officers above the grade of captain in the Army or Marine Corps or similar rank in the Navy and Coast Guard. The rate of adjusted compensation for service in excess of 60 days is \$1.25 and \$1 per day and the amount of credit is limited to \$625 and \$500 for overseas and home service, respectively. Veterans entitled to not more than \$50 are paid in cash and others are given a 20-year endowment insurance policy for an amount that the adjusted service credit increased by 25 per cent would purchase at the age of the veteran on the birthday nearest the date of the certificate, with interest at 4 per cent compounded annually. An amendment authorized the bureau to make loans direct to the veteran; prior to its passage loans secured by adjusted service certificates could be made only by the banks.

No. 166.—UNITED STATES VETERANS' BUREAU: DISBURSEMENTS BY FISCAL YEARS ENDED JUNE 30

[All figures in thousands of dollars]

	Total to June 30, 1923	1924	1925	1926	1927	1928
Grand total	2,264,232	415,138	893,756	436,105	405,348	439,167
Disbursements from appropriations	1,838,298	407,686	884,787	426,237	393,584	421,629
Losses on war-risk insurance on American vessels, their cargoes, etc.....	35,103	1	2	134		122
Military and naval family allowance.....	282,197	17	7	17	187	
Military and naval insurance ¹	427,876	101,240	104,137	136,975	120,904	120,771
Military and naval compensation.....	485,015	116,495	129,697	164,437	173,477	181,800
Vocational rehabilitation.....	449,201	106,954	60,483	26,841	2,206	233
Medical and hospital services, U. S. Veterans' Bureau.....	165,097	20,610	33,033	31,198	31,555	30,167
Hospital facilities and services.....	3,560	9,215	3,895	4,511	4,699	5,222
Salaries and expenses, Veterans' Bureau.....	82,863	43,073	45,001	42,164	36,354	37,815
Soldiers' and sailors' civil relief claims.....	20	20				
Printing and binding.....		107	158	136		
Increase of compensation.....	6,766	1,029	0	13	127	134
Administrative expenses adjusted compensation, 1924-25.....						
Adjusted service and dependent pay.....			800	26		
Adjusted service and dependent pay.....			2,033	5,428	9,960	10,155
Adjusted service certificate fund.....			4,607	18,355	14,408	35,254
All other.....			14	12	21	4
Disbursements from trust funds	315,934	7,503	9,869	9,868	11,764	17,628
Allotment trust fund.....	300,977	14	3	14	100	136
United States Government life-insurance fund.....	14,890	7,482	8,962	9,882	11,864	17,664
Vocational rehabilitation gift fund.....	67	7	4			

¹ Credit.

²\$451,550,000 in premiums credited to this appropriation.

No. 167.—VETERANS' INSURANCE AND COMPENSATION: DEATH AND DISABILITY AWARDS

NOTE.—See general note, p. 159

	Total to June 30, 1928	Period or year ended June 30—					
		1917-1923	1924	1925	1926	1927	1928
Number of awards made during period or year:							
Compensation—							
Total original awards.....	546,619	446,115	15,262	28,881	26,780	16,429	14,152
Original death.....	77,950	57,570	2,011	4,995	9,175	2,303	1,590
Original disability.....	468,669	388,539	13,251	23,886	17,605	13,126	12,262
Disability change to death.....	25,322	7,230	2,939	3,366	4,913	3,514	3,370
Term insurance—							
Total original awards.....	172,585	157,588	3,009	3,990	4,346	1,991	995
Original death.....	140,432	135,898	998	1,166	1,254	688	488
Original disability.....	32,153	21,760	2,071	2,890	3,062	1,303	507
Disability changed to death.....	10,097	9,011	1,808	1,878	1,638	852	680
Converted insurance—							
Total original awards.....	12,787	3,256	1,346	1,464	1,850	1,957	2,914
Original death.....	8,242	2,395	842	1,070	1,014	1,199	1,822
Original disability.....	4,545	861	504	404	836	758	1,092
Disability changed to death.....	954	188	126	140	178	190	218
Number of awards active at end of period or year:							
Compensation—							
Death.....	238,395	237,147	277,602	305,177	326,450	343,170	
Disability.....	55,305	58,110	65,958	78,693	82,330	85,934	
Total.....	183,090	179,037	211,644	226,484	243,611	257,636	
Term insurance—							
Death.....	146,403	149,857	153,331	154,881	146,047	144,031	
Disability.....	139,177	141,754	143,822	144,057	135,005	133,107	
Total.....	7,226	8,103	9,508	10,824	11,042	10,974	
Converted insurance—							
Death.....	1,480	2,054	2,602	3,375	4,086	5,208	
Disability.....	811	1,032	1,276	1,462	1,694	2,075	
Total.....	669	1,022	1,326	1,913	2,392	3,223	

No. 168.—GOVERNMENT LIFE INSURANCE; ANNUAL PREMIUM RATES ON \$1,000 INSURANCE, BY SPECIFIED FORMS OF INSURANCE

Age at conversion	Ordinary life	20-pay-ment life	30-pay-ment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term	Age at conversion	Ordinary life	20-pay-ment life	30-pay-ment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term
	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.		Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.
15.....	12.29	19.25	15.36	33.86	23.98	14.88	7.44	43.....	26.53	33.43	28.11	42.53	30.12	44.77	10.87
16.....	12.52	19.61	15.69	33.86	24.10	15.24	7.44	44.....	27.04	34.38	29.06	42.88	30.95	47.72	11.22
17.....	12.76	19.85	15.83	33.98	24.10	15.59	7.56	45.....	28.71	35.32	30.00	43.47	31.69	50.01	11.60
18.....	12.90	20.20	16.07	33.98	24.22	16.07	7.56	46.....	29.89	36.38	31.19	43.94	32.60	54.60	12.17
19.....	13.23	20.44	16.30	33.98	24.22	16.54	7.56	47.....	31.19	37.56	32.25	44.65	33.55	58.33	12.76
20.....	13.58	20.79	16.54	33.10	24.33	17.01	7.68	48.....	32.60	38.75	33.55	45.30	34.61	63.07	13.47
21.....	13.82	21.14	16.89	33.10	24.33	17.48	7.68	49.....	34.02	39.93	34.85	46.07	35.70	69.22	14.18
22.....	14.18	21.50	17.13	33.10	24.45	18.07	7.80	50.....	35.50	41.34	36.38	47.02	37.09	75.72	15.00
23.....	14.53	21.85	17.48	33.22	24.45	18.66	7.80	51.....	37.21	42.76	.....	47.96	38.51	83.28	15.95
24.....	14.88	22.21	17.84	33.22	24.57	19.25	7.91	52.....	38.98	44.30	.....	49.02	40.05	92.40	16.89
25.....	15.24	22.56	18.07	33.34	24.69	19.85	7.91	53.....	40.87	45.83	.....	50.20	41.82	.....	18.07
26.....	15.59	23.04	18.43	33.34	24.81	20.55	8.03	54.....	42.88	47.61	.....	51.62	43.59	.....	19.37
27.....	15.95	23.39	18.78	33.45	24.93	21.26	8.03	55.....	45.13	49.50	.....	53.04	45.60	.....	20.70
28.....	16.42	23.86	19.14	33.45	25.04	22.09	8.15	56.....	47.37	51.50	.....	54.69	.....	.....	22.33
29.....	16.89	24.33	19.61	33.57	25.16	22.92	8.27	57.....	49.85	53.75	.....	56.47	.....	.....	24.10
30.....	17.36	24.81	19.99	33.69	25.40	23.74	8.39	58.....	52.45	55.99	.....	58.47	.....	.....	26.00
31.....	17.84	25.28	20.44	33.81	25.52	24.69	8.51	59.....	55.28	58.50	.....	60.72	.....	.....	28.23
32.....	18.31	25.87	20.91	33.93	25.75	25.75	8.62	60.....	58.36	61.31	.....	63.08	.....	.....	30.60
33.....	18.90	26.34	21.38	40.05	25.09	26.82	8.74	61.....	61.66	.....	.....	.....	.....	.....	33.10
34.....	19.49	26.93	21.85	40.16	26.22	28.00	8.86	62.....	65.21	.....	.....	.....	.....	.....	36.15
35.....	20.08	27.52	22.44	40.28	26.46	29.30	8.98	63.....	68.99	.....	.....	.....	.....	.....	39.34
36.....	20.79	28.11	23.04	40.52	26.82	30.71	9.10	64.....	73.00	.....	.....	.....	.....	.....	42.88
37.....	21.38	28.82	23.63	40.04	27.17	32.13	9.33	65.....	77.37	.....	.....	.....	.....	.....	46.78
38.....	22.33	29.53	24.22	40.87	27.52	33.78	9.45	66.....	82.10	.....	.....	.....	.....	.....	51.15
39.....	22.92	30.24	24.93	41.11	27.88	35.56	9.69	67.....	87.18	.....	.....	.....	.....	.....	55.87
40.....	23.74	30.95	25.63	41.46	27.87	37.56	9.82	68.....	92.61	.....	.....	.....	.....	.....	61.07
41.....	24.60	31.78	26.34	41.70	28.94	39.69	10.28	69.....	98.40	.....	.....	.....	.....	.....	66.62
42.....	25.52	32.60	27.17	42.05	29.53	42.05	10.51	70.....	104.78	.....	.....	.....	.....	.....	72.77

Source of Tables 167 and 168: United States Veterans' Bureau.

No. 169.—GOVERNMENT LIFE INSURANCE: AMOUNT IN FORCE AND PREMIUMS COLLECTED DIRECT BY VETERANS' BUREAU

NOTE.—See general note, p. 150. During the war premiums on term insurance were collected by the War and Navy Departments; more recently, direct by the Veterans' Bureau, except for those in service

Number:	Insurance policies in force June 30						Premiums collected direct by Veterans' Bureau during period of year ended June 30	
	Term insurance			Converted insurance			Term insurance	Converted insurance
	Total	Men in service	Men out of service	Total	Men in service	Men out of service		
1921 ¹	397,800	96,176	301,714	253,104	39,828	213,336	8,013,466	1,001,230
1922.....	300,926	48,386	252,591	280,852	25,005	256,847	3,008,191	1,384,970
1923.....	240,201	26,725	213,566	319,774	21,857	298,217	2,466,222	1,526,324
1924.....	209,355	18,913	190,472	353,215	19,470	333,639	2,000,856	1,712,810
1925.....	177,328	12,231	165,097	375,012	21,427	353,585	1,748,753	1,880,734
1926.....	130,103	6,655	123,448	423,557	25,560	397,997	1,500,111	2,080,421
1927.....	87,100	2,351	84,749	500,880	29,588	471,292	970,318	2,440,325
1928.....	266	.....	266	600,108	31,893	628,215	.....	3,593,159
Amount (1,000 dollars):								
1921 ¹	2,980,600	567,406	2,413,165	808,716	136,667	732,049	64,017	32,624
1922.....	2,314,603	331,023	1,983,040	1,033,737	62,036	941,701	20,755	26,864
1923.....	1,854,146	183,358	1,670,787	1,216,064	81,979	1,134,085	17,401	30,919
1924.....	1,609,031	123,805	1,476,225	1,376,543	97,956	1,277,587	14,781	35,345
1925.....	1,372,091	89,597	1,282,494	1,492,937	111,694	1,381,243	13,105	36,388
1926.....	1,008,511	52,281	956,230	1,773,076	136,284	1,636,792	10,650	44,417
1927.....	672,075	19,308	652,767	2,220,970	170,174	2,050,796	7,258	54,047
1928.....	1,654	.....	1,654	2,111,995	181,322	2,930,673	906	71,113

¹ Premiums collected are totals from origin to June 30, 1921.

No. 170.—GOVERNMENT LIFE INSURANCE: CONVERTED INSURANCE ISSUED AND IN FORCE, BY PLAN

Plan	Issued to June 30, 1928					In force June 30, 1928	
	Number	Amount (1,000 dollars)	Average policy	Per cent of total		Number	Amount (1,000 dollars)
				Number	Amount		
Total.....	814,853	3,636,868	\$4,483	100.00	100.00	680,103	3,111,995
Ordinary life.....	167,285	805,792	5,176	20.53	23.81	136,010	734,816
20-payment life.....	204,271	870,683	4,262	25.07	23.94	169,842	746,944
30-payment life.....	32,423	164,576	5,070	3.98	4.52	28,746	147,985
20-year endowment.....	210,617	502,042	2,609	26.85	15.45	131,615	394,549
30-year endowment.....	42,009	177,451	4,224	6.15	4.83	35,411	151,986
Endowment at age 62.....	39,963	192,979	4,829	4.90	5.81	35,031	171,026
Convertible term.....	118,285	803,345	6,791	14.52	22.09	104,352	710,970
Extended insurance.....	.....	.....	.....	.....	.....	19,091	63,719

No. 171.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN, MAY 31, 1919, TO JUNE 30, 1928

	Total to June 30, 1928	Year ended June 30, 1928		Total to June 30, 1928	Year ended June 30, 1928
Income, total.....	\$397,355,940	887,097,728	Disbursements—Contd.	\$19,714,258	\$4,671,455
Premiums.....	324,427,083	69,112,854			
Interest on investments.....	38,551,773	9,340,566	Dividends.....	.....	.....
Repayments under sec. 406 as amended Aug. 9, 1921.....	28,999,142	7,325,845	Interest on dividend deposits.....	699	331
Profit on sale of investments.....	3,129,389	493,811	Payments on matured endowment.....	30,185	15,325
Interest on loans.....	2,202,779	810,654	Balance, total.....	326,611,433	.....
Interest on premiums.....	45,774	13,996	Investment and interest.....	217,210,858	.....
Disbursements, total.....	70,744,507	17,664,330	Loans on adjusted service certificates.....	72,608,506	.....
Paid on claims.....	43,693,451	11,619,916	Loans on policies.....	34,645,383	.....
Paid on surrenders.....	7,326,004	1,357,303	Cash on hand.....	2,146,680	.....

Source of Tables 169, 170, and 171: United States Veterans' Bureau.

No. 172.—VOCATIONAL REHABILITATION OF DISABLED VETERANS

NOTE.—See general note, p. 160

	July 1							
	1921	1922	1923	1924	1925	1926	1927	1928
Total number entered training to date.....	107, 172	152, 364	167, 815	173, 632	179, 747	180, 109	179, 358	179, 519
Number whose training has ceased to date.....	7, 785	23, 098	59, 958	123, 485	156, 810	173, 082	179, 120	179, 519
Discontinued.....	2, 400	6, 283	16, 864	42, 080	48, 134	49, 071	48, 891	48, 773
Deceased after induction.....	245	749	1, 329	1, 845	2, 068	1, 976	2, 030	1, 999
Rehabilitated (sec. 2).....	4, 459	15, 321	38, 043	70, 936	97, 215	116, 512	117, 836	118, 355
Completed (sec. 3).....	591	1, 645	3, 722	7, 695	9, 393	10, 523	10, 563	10, 392
Number in training at date specified.....	85, 338	102, 108	80, 359	45, 347	21, 803	2, 027	185	.....
Institutions.....	(3)	57, 805	39, 700	15, 492	5, 303	757	127	.....
Placement.....	(a)	38, 246	30, 270	22, 074	12, 135	696	12	.....
Veterans' Bureau vocational schools.....	5, 425	6, 057	4, 389	1, 599	.....	.....	.....	.....
Project.....	.....	.....	.....	4, 030	3, 270	496	.....	.....
Correspondence courses.....	.....	.....	.....	2, 078	1, 030	65	44	.....
Tutorial.....	.....	.....	.....	74	65	1	2	.....
Number whose training had been interrupted.....	14, 049	26, 258	27, 498	4, 820	1, 134	2, 027	53	.....

¹ The apparent decrease is due to a recheck of data and elimination of duplication.

² Includes 12 not classified. Due to legislative provisions, all trainees were interrupted as of July 1, 1926.

³ Not classified.

Source: United States Veterans' Bureau.

No. 173.—HOSPITALIZATION; UNITED STATES VETERANS' BUREAU BENEFICIARIES, YEARS ENDED JUNE 30

NOTE.—See general note, p. 160

Groups of hospitals	Capacity	Average daily patients, period of operation	Patients remaining at expiration of year				Personnel on duty at close of year	Operating expenses	Per diem cost
			Total	Tuberculosis	Neuro-psychiatric	General			
U. S. Veterans' Bureau hospitals:									
1923.....	18, 698	12, 264	10, 429	4, 773	3, 438	2, 218	9, 889	\$21, 830, 009	1 \$4. 01
1924.....	15, 616	11, 274	11, 084	4, 086	5, 182	1, 810	10, 178	19, 484, 142	1 4. 55
1925.....	20, 504	15, 855	15, 743	6, 013	7, 433	2, 297	12, 818	23, 354, 485	1 4. 04
1926.....	20, 483	16, 569	16, 241	5, 299	8, 462	2, 480	12, 662	25, 321, 554	1 4. 19
1927.....	20, 640	17, 305	16, 911	5, 023	9, 081	2, 807	12, 658	25, 282, 431	1 4. 00
1928.....	21, 233	17, 849	17, 096	4, 854	10, 044	3, 098	13, 542	26, 091, 386	1 4. 00
1928									
U. S. marine hospitals.....	² 407	1, 016	373	14	1	358	.....	.....	.....
U. S. Army hospitals.....	² 2, 684	1, 540	1, 919	525	202	1, 192	.....	.....	.....
U. S. Navy hospitals.....	² 2, 720	1, 752	1, 647	69	169	1, 409	.....	.....	.....
National soldiers' homes.....	² 2, 243	259	1, 582	582	662	.....	.....	.....	.....
Interior Department (St. Elizabeths).....	³ 359	368	359	.....	359	.....	.....	.....	.....
Contract hospitals.....	.....	2, 639	2, 293	498	1, 620	145	.....	.....	.....

¹ Excludes hospitals which operated for only part of year under unnatural conditions.

² Represents only those hospital beds made available to patients of the U. S. Veterans' Bureau.

Source: United States Veterans' Bureau.

No. 174.—ADJUSTED COMPENSATION AWARDS: NUMBER AND AMOUNT TO JUNE 30, 1928

NOTE.—See general note, p. 159

Branch of service and claim	Number	Amount (1,000 dollars)	Branch of service and claim	Number	Amount (1,000 dollars)
Grand total.....	3, 608, 640	3, 408, 644	Navy—Continued.		
Army, total.....	3, 016, 616	2, 890, 616	Dependents (over \$50) 1.....	7, 743	3, 212
Cash (less than \$50):			Certificates.....	412, 754	446, 191
Veterans.....	100, 093	3, 813	\$60 lump-sum payments.....		75
Dependents.....	4, 972	136	Marine Corps, total.....	64, 486	68, 432
Dependents (over \$50) 1.....	76, 205	20, 995	Cash (less than \$50):		
Certificates.....	2, 827, 446	2, 858, 457	Veterans.....	430	14
\$60 lump-sum payments.....		1, 114	Dependents.....	49	1
Navy, total.....	428, 487	440, 696	Dependents (over \$50) 1.....	2, 120	858
Cash (less than \$50):			Certificates.....	61, 807	67, 518
Veterans.....	7, 593	208	\$60 lump-sum payments.....		40
Dependents.....	377	0			

1 Payments to dependents of more than \$50 are made in 10 equal quarterly installments

No. 175.—CIVIL SERVICE RETIREMENT: SUMMARY, YEARS ENDED JUNE 30

NOTE.—Retirement for civil-service employees was established by act of May 22, 1920, and amended by act of July 1, 1926. Under these acts employees of the classified service with competitive status, most of the principal groups of unclassified laborers, postmasters appointed from the classified service, and certain other groups are eligible for retirement on annuity at the age of 70 (65 for letter carriers, post office and seaport clerks, laborers, and mechanics generally and 62 for railway postal clerks and persons engaged in tropical and hazardous occupations) if they have rendered 15 years of service. Provision is also made for retirement of employees in the service 15 years who, before reaching retirement age, become disabled. Annuities are computed by multiplying the average annual basic compensation, not to exceed \$1,500, received during the last 10 years of service by the number of years of service, not to exceed 30, and dividing the product by 45. Employees within the scope of the act are required to contribute 3½ per cent (2½ prior to July 1, 1926) of their basic compensation to the retirement fund

	1927	1928		1927	1928
Net gain in annuitants added to the roll.....	1, 505	1, 204	Number on the roll June 30—		
Male.....	1, 473	1, 167	Continued.		
Female.....	122	97	By vocations:		
Number dropped from roll.....	1, 170	1, 350	Mechanics.....	3, 195	3, 362
Number on the roll June 30.....	14, 119	15, 383	City and village letter carriers.....	2, 414	2, 698
By sex:			Rural letter carriers.....	2, 205	2, 452
Male.....	12, 004	14, 071	Post-office clerks.....	1, 222	1, 355
Female.....	1, 215	1, 312	Railway mail clerks.....	1, 132	1, 191
By cause of retirement:			Departmental and other.....	3, 112	3, 311
Age.....	11, 853	12, 173	Classified laborers.....		899
Male.....	10, 594	11, 361	Unclassified laborers.....	805	116
Female.....	750	812	Tropical service and hazardous occupation.....	34	
Disability.....	2, 766	3, 210	By rates received:		
Male.....	2, 310	2, 710	Less than \$100.....	10	9
Female.....	456	500	Between \$100 and \$200.....	106	116
By departments:			Between \$200 and \$300.....	409	428
State.....	8	6	Between \$300 and \$400.....	331	354
Treasury.....	1, 368	1, 403	Between \$400 and \$500.....	1, 705	1, 723
War.....	1, 485	1, 611	Between \$500 and \$600.....	1, 590	1, 590
Justice.....	27	34	Between \$600 and \$700.....	1, 608	1, 655
Post office.....	7, 342	8, 105	Between \$700 and \$800.....	1, 628	1, 701
Navy.....	1, 001	2, 036	Between \$800 and \$900.....	2, 117	2, 277
Interior.....	647	670	Between \$900 and \$999.00.....	1, 545	1, 658
Agriculture.....	232	325	The maximum, \$999.00.....	2, 740	3, 302
Commerce.....	140	157	Average annuity.....	\$721	\$734
Labor.....	77	82	Annual value, retirement roll.....	10, 185, 305	11, 289, 891
District of Columbia.....	73	85	Civil service retirement and disability fund:		
Government Printing Office.....	531	545	Receipts.....	27, 108, 403	26, 502, 856
Superintendent of Public Buildings and Parks.....	59	66	Disbursements, total.....	13, 400, 708	14, 761, 617
U. S. Veterans' Bureau.....	32	46	Annuities.....	9, 598, 286	10, 990, 454
General Accounting Office.....	137	133	Refunds.....	3, 862, 289	3, 771, 163
Library of Congress.....	13	15	Balance in fund June 30.....	68, 336, 761	83, 078, 000
All others.....	47	64	Administrative expense.....	75, 977	75, 982

Sources: Table 174, United States Veterans' Bureau; Table 175, Commissioner of Pensions.

No. 176.—EXECUTIVE CIVIL SERVICE AND THE MERIT SYSTEM

June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees
1816	6,327		1895	189,000	54,222	1918 (Nov. 11)	917,760	642,432
1821	8,211		1901	256,000	106,205	1920 (July 31)	691,118	497,603
1831	19,830		1903	301,000	129,000	1921 (July 31)	597,482	448,112
1841	23,709		1905	349,000	171,807	1922	560,863	420,688
1851	33,300		1907	306,000	198,918	1923	548,531	411,398
1861	49,200		1909	370,000	234,940	1924	554,986	415,593
1871	53,000		1911	370,000	227,657	1925	564,718	423,538
1881	107,000		1913	443,605	282,597	1926	560,705	422,300
1884 (Jan. 15)		13,780	1915	461,993	292,296	1927	569,138	422,008
1891	166,000	23,873	1916	438,057	296,026	1928	568,715	431,763

No. 177.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE

NOTE.—Does not include legislative or judicial services nor the commissioned, warranted, or enlisted personnel of the military, naval, Marine Corps, or Coast Guard services. The government of the District of Columbia is also not included

Department or office	Total				Total	Dec. 31, 1928			
	June 30, 1916	July 31, 1921	Dec. 31, 1926	Dec. 31, 1927		In District of Columbia		Outside District of Columbia	
						Male	Female	Male	Female
Total	438,057	597,482	548,341	554,176	573,107	37,404	24,738	455,568	55,899
Department of State	2,733	3,733	4,270	4,375	4,482	305	293	2,842	1,042
Department of the Treasury	30,620	73,230	51,519	51,949	51,855	6,107	7,749	31,157	6,842
Department of War	37,695	68,544	37,078	38,776	46,044	2,146	1,822	38,443	3,033
Department of Justice	2,610	3,081	3,671	3,760	3,931	570	245	2,417	699
Post Office Department	250,885	288,575	308,164	310,161	312,071	2,178	864	282,052	26,877
Department of the Navy	25,722	60,749	42,599	42,971	48,199	5,731	1,169	38,964	2,338
Department of the Interior	19,347	19,705	12,201	13,570	13,511	2,281	1,809	7,734	2,187
Department of Agriculture	18,736	19,179	20,624	21,335	22,478	2,899	2,030	15,094	2,449
Department of Commerce	9,903	13,046	14,537	14,937	15,409	3,059	1,742	9,892	806
Department of Labor	2,504	3,833	4,041	4,113	4,267	332	341	2,033	661
Government Printing Office	4,028	4,404	4,142	4,076	4,191	3,308	883		
Smithsonian Institution	784	487	485	498	521	387	134		
Interstate Com. Com'n	2,243	1,919	1,856	1,999	1,996	1,039	331	609	17
Civil Service Commission	260	385	444	510	491	148	210	72	61
Bureau of Efficiency	27	55	51	67	71	42	29		
Federal Trade Commission	238	318	302	286	322	216	106		
Shipping Board ²		6,575	1,551	1,690	1,594	470	334	633	157
Allen Property Custodian		162	233	194	184	97	87		
Tariff Commission		99	231	205	235	135	89	9	2
Employees' Comp. Com'n		79	68	85	174	39	74	22	39
Fed. Bd. for Voc' Education		6,411	69	69	68	33	35		
The Panama Canal	19,291	9,355	9,690	10,147	11,019	61	14	10,443	501
Public Buildings and Parks of the National Capital	217	1,229	2,274	2,211	2,300	1,768	532		
General Accounting Office		1,544	1,984	1,949	1,960	1,208	752		
Veterans' Bureau			23,587	23,518	23,927	1,528	3,270	12,064	7,065
Railroad Administration ³		1,327	95	34	25	17	8		
War Finance Corporation ⁴		(*)	106	65	31	13	5	8	5
National Advisory Committee for Aeronautics		(*)	164	187	199	16	17	159	7
Federal Reserve Board ³		(*)	204	202	186	83	84	19	
Board of Tax Appeals			109	154	153	69	84		
Miscellaneous	165	322	84	83	223	119	91	2	11

	June 30, 1916	Nov. 11, 1918	July 31, 1921	Dec. 31, 1925	Dec. 31, 1926	Dec. 31, 1927	Dec. 31, 1928
Total	438,057	2 817,760	597,482	548,077	548,341	554,175	573,107
In District of Columbia	39,442	117,760	78,865	61,509	59,569	60,600	62,140
Outside District of Columbia	398,615	2 800,000	518,617	486,568	488,772	493,575	510,967

¹ Does not include clerks at fourth-class offices (34,024 in 1928), who are employed and paid by the post-master, and mail messengers (22,350 in 1928), because not included in previous computations.

² Figures include administrative offices of Emergency Fleet Corporation but not workmen at shipyards or in warehouses or employees on vessels.

³ Positions not subject to the civil service act.

⁴ Separate figures not available. Included in miscellaneous.

Source of Tables 176 and 177: The Civil Service Commission.

No. 178.—CIVIL SERVICE: NUMBER OF PERSONS EXAMINED BY THE CIVIL SERVICE COMMISSION, NUMBER AND PER CENT WHO PASSED, NUMBER APPOINTED, AND APPROXIMATE NUMBER OF COMPETITIVE POSITIONS

Year ended June 30—	Total					Post office service ¹				Railway Mail Service ²				All other services				
	Classified competitive positions ³	Examined	Passed	Per cent that passed	Ap- pointed	Per cent ap- pointed of those that passed	Classified competitive positions ³	Examined	Passed	Ap- pointed	Classified competitive positions ³	Examined	Passed	Ap- pointed	Classified competitive positions ³	Examined	Passed	Ap- pointed
1885 ⁴	15,590	6,347	4,141	65.2	1,800	43.5	7,500	3,233	2,262	1,249	5,836	4,463	3,129	1,400	11,693	3,114	1,879	551
1890.....	30,626	22,994	13,947	60.7	5,182	37.2	13,097	11,193	6,904	2,850	5,836	4,641	3,107	1,400	11,693	7,338	3,914	932
1895.....	48,317	31,036	19,811	63.8	4,793	24.2	25,000	19,438	12,802	3,348	7,045	6,441	3,107	643	16,272	6,957	3,902	802
1900.....	94,893	46,602	34,965	75.0	9,889	23.3	37,000	16,584	11,447	3,931	8,696	4,488	3,844	736	49,197	25,530	19,674	5,222
1905.....	171,807	143,053	111,741	78.1	38,996	34.9	81,596	52,550	41,978	16,297	12,171	6,972	4,218	1,558	78,040	33,531	65,545	21,141
1906.....	184,178	117,277	91,345	77.9	39,050	42.7	89,202	48,302	37,918	17,121	13,456	6,620	4,481	2,173	81,620	62,355	48,946	19,756
1907.....	196,918	129,317	93,920	72.6	43,003	45.8	95,866	51,025	37,771	16,456	14,212	6,566	4,085	2,051	86,840	71,726	52,064	24,406
1908.....	206,638	161,793	120,760	74.6	42,153	34.9	102,127	52,363	37,350	12,169	15,230	9,674	5,999	1,607	89,281	90,756	76,911	28,377
1909.....	234,940	158,484	123,449	77.9	40,943	33.2	122,711	57,568	45,468	11,441	15,967	15,724	11,336	1,392	96,262	85,192	66,645	28,110
1910.....	222,278	115,644	87,769	75.9	43,585	49.7	126,131	37,253	30,170	11,812	16,956	52	39	2,271	79,191	73,339	57,500	29,502
1911.....	227,657	105,024	70,159	66.8	23,256	33.2	127,228	42,750	34,149	9,328	17,428	8,972	6,760	1,982	83,001	53,302	29,250	11,946
1912.....	217,392	106,073	59,251	55.9	20,969	35.4	115,905	40,256	26,133	8,706	18,297	11,273	3,036	770	83,190	54,549	30,082	11,493
1913.....	282,597	141,905	94,390	66.5	35,154	37.2	161,846	59,131	39,810	14,905	19,620	13,340	9,618	1,270	101,131	64,384	44,964	18,979
1914.....	292,460	215,587	147,526	68.4	51,935	28.4	165,646	103,673	76,257	19,606	22,679	27,664	19,665	2,941	104,135	84,245	51,604	19,388
1915.....	292,296	167,795	114,632	68.3	36,398	31.8	166,328	70,734	52,586	13,682	21,769	33	17	146	104,189	97,028	62,229	22,570
1916.....	296,926	154,722	113,930	73.7	42,057	35.9	166,375	72,122	55,614	17,729	20,989	1	1	23	109,562	82,599	58,365	24,300
1917.....	326,899	212,114	156,927	74.0	56,312	55.0	167,639	51,416	38,560	19,559	21,911	13,975	10,433	43	138,069	146,723	107,934	66,700
1918.....	642,432	551,391	387,963	70.4	213,530	55.0	188,201	56,268	41,309	29,572	20,538	2,927	1,867	8,297	433,693	492,196	344,787	175,661
1919.....	569,745	438,259	299,826	68.4	133,533	44.5	190,081	58,459	41,433	29,949	20,833	9,930	6,489	1,291	358,831	369,870	251,904	102,293
1920.....	497,603	293,327	193,805	66.1	116,309	60.0	196,449	68,922	39,677	17,181	21,717	12,866	7,571	4,269	279,437	221,539	146,687	94,859
1921.....	448,112	303,309	203,209	67.0	101,711	50.1	205,352	114,933	74,977	32,601	22,320	15,803	9,849	6,044	220,440	173,473	118,383	63,066
1922.....	420,688	206,007	123,952	63.6	63,867	49.5	209,533	70,120	43,934	25,186	22,227	12,890	8,694	1,910	188,923	122,997	76,274	37,771
1923.....	411,898	204,200	122,918	60.2	57,694	46.9	212,079	61,122	40,583	22,286	22,052	23,642	12,512	998	177,263	119,436	69,823	34,410
1924.....	415,593	222,915	133,506	59.9	68,287	51.1	222,276	77,862	52,575	27,237	22,073	25,510	10,969	2,129	171,244	119,433	69,962	38,921
1925.....	423,538	201,415	122,495	60.8	50,164	40.9	226,801	77,978	60,647	20,560	22,340	60	33	629	174,997	123,377	71,815	28,975
1926.....	422,800	202,846	105,964	52.2	36,992	34.9	230,021	83,835	42,591	16,561	22,340	113	87	280	169,939	112,898	63,286	20,151
1927.....	422,998	257,401	126,118	49.0	58,777	30.7	232,244	98,423	45,080	17,560	22,281	29,481	15,717	708	168,473	129,497	65,321	20,509
1928.....	431,763	236,997	123,830	52.2	37,796	30.5	238,449	100,576	49,279	15,882	21,343	194	90	705	171,971	136,227	74,461	21,209
Total for July 16, 1883.....	5,834,879	3,879,753	2,644,026	66.5	1,644,026	42.4	1,953,934	1,307,749	533,230	327,335	203,065	59,171	3,553,560	2,368,939	1,051,622			

¹ Includes clerks, city carriers, village carriers, and employees in motor-vehicle service at classified post offices, rural carriers, fourth-class postmasters, and seaport clerks.
² Railway mail clerks, classified May 1, 1889.
³ The large increase in field service figures for 1913 is due to the inclusion of navy-yard artisans' positions to the number of about 16,000 in the competitive classified service.
⁴ Jan. 16, 1884, to Jan. 15, 1885.
⁵ 11,635 fourth-class postmasters, appointed in 1914 and 18,238 in 1915, under the Executive order of May 7, 1913, requiring examinations at offices whose incumbents have not been appointed under the regulations, are not included in this table.
Source: The Civil Service Commission.

No. 179.—POPULAR VOTE FOR PRESIDENTIAL ELECTORS: BY PRINCIPAL POLITICAL PARTIES, TOTALS, 1888 TO 1923, AND BY STATES, 1923

NOTE.—The column "miscellaneous independent" represents so-called independent, progressive, and farmer-labor parties variously designated as follows: 1888, Union Labor Party; 1892, 1900, and 1904, Populist; 1896, National Democrat; 1908, Populist and Independent; 1912 and 1916, Progressive; 1920 and 1923, Farmer-Labor. In 1924, column represents votes for La Follette-Wheeler electors, variously designated under party names as Independent Progressive, Progressive, Socialist, Socialist and Independent, Farmer-Labor, etc.

State	Republican	Democrat	Socialist and Socialist-Labor	Miscellaneous independent ¹	Prohibition	Total ²
1888.....	5,444,337	5,540,050	-----	140,807	250,124	11,881,408
1892.....	5,190,802	5,554,414	-----	1,027,329	271,058	12,043,603
1896.....	7,035,038	6,407,940	4 36,454	131,529	141,676	13,813,233
1900.....	7,219,590	6,358,071	127,519	50,232	209,166	13,964,518
1904.....	7,628,834	5,084,491	436,184	114,753	259,257	13,523,619
1908.....	7,679,006	6,409,100	434,645	111,603	252,653	14,887,133
1912.....	3,483,922	6,286,214	926,090	4,120,020	208,923	15,031,169
1916.....	3,538,221	9,129,606	598,516	41,894	220,506	18,528,743
1920.....	16,152,200	9,147,353	950,974	265,411	20,705,346	20,705,346
1924.....	15,725,003	8,385,586	4 27,650	4,826,471	57,551	20,922,261
1923.....	21,392,190	15,016,443	289,023	6,300	20,106	36,870,414
Alabama.....	120,725	127,707	460	-----	-----	248,892
Arizona.....	52,533	38,537	-----	-----	-----	91,254
Arkansas.....	77,751	119,196	429	-----	-----	197,693
California.....	1,162,323	614,365	19,695	-----	-----	1,796,656
Colorado.....	253,872	133,131	3,472	1,092	-----	392,242
Connecticut.....	296,614	252,040	3,641	-----	-----	553,031
Delaware.....	68,860	36,643	320	-----	-----	105,891
Florida.....	144,168	101,764	4,036	-----	-----	250,074
Georgia.....	63,498	120,602	124	-----	-----	184,224
Idaho.....	99,848	63,074	1,308	-----	-----	164,230
Illinois.....	1,769,141	1,313,817	20,960	-----	-----	3,103,918
Indiana.....	848,290	562,691	4,516	-----	5,496	1,411,311
Iowa.....	623,818	378,936	3,190	3,088	-----	1,009,362
Kansas.....	513,672	193,003	6,205	-----	-----	713,200
Kentucky.....	558,064	381,070	1,177	-----	-----	940,604
Louisiana.....	51,160	104,655	-----	-----	-----	215,833
Maine.....	179,923	81,179	1,068	-----	-----	262,171
Maryland.....	301,479	223,626	2,007	-----	-----	527,112
Massachusetts.....	775,566	792,753	7,035	-----	-----	1,575,354
Michigan.....	965,395	396,762	4,315	-----	2,728	1,379,882
Minnesota.....	500,977	390,451	8,696	-----	-----	900,124
Mississippi.....	27,153	124,539	-----	-----	-----	151,692
Missouri.....	834,030	662,562	4,079	-----	-----	1,496,721
Montana.....	113,300	78,578	1,697	-----	-----	194,108
Nebraska.....	345,745	197,959	3,434	-----	-----	547,138
Nevada.....	18,327	14,090	-----	-----	-----	32,417
New Hampshire.....	115,404	80,715	455	-----	-----	196,747
New Jersey.....	926,050	616,517	5,397	-----	160	1,548,381
New Mexico.....	69,645	48,211	-----	-----	-----	118,014
New York.....	2,193,344	2,089,863	111,543	-----	-----	4,466,072
North Carolina.....	348,992	287,078	-----	-----	-----	636,070
North Dakota.....	131,441	106,648	842	-----	-----	239,867
Ohio.....	1,027,546	864,210	10,198	-----	3,556	2,508,346
Oklahoma.....	394,046	219,174	3,924	1,283	-----	618,427
Oregon.....	295,341	109,223	4,284	-----	-----	409,042
Pennsylvania.....	2,055,332	1,067,583	6 19,027	-----	3,880	3,150,615
Rhode Island.....	117,522	118,973	416	-----	-----	242,784
South Carolina.....	3,188	62,700	47	-----	-----	68,605
South Dakota.....	137,603	102,660	443	927	-----	241,633
Tennessee.....	195,358	167,343	631	-----	-----	363,473
Texas.....	367,036	341,032	722	-----	-----	708,999
Utah.....	94,618	80,985	954	-----	-----	176,604
Vermont.....	60,404	44,440	-----	-----	338	105,182
Virginia.....	164,609	140,146	430	-----	-----	305,385
Washington.....	335,844	150,772	6,683	-----	-----	500,840
West Virginia.....	375,561	263,784	1,313	-----	1,703	642,752
Wisconsin.....	544,205	450,259	18,594	-----	2,245	1,016,872
Wyoming.....	52,748	29,299	788	-----	-----	84,406

¹ See headnote.

² Figures prior to 1923 do not include votes cast for names not appearing on the electoral tickets specified in the table. In 1923 they represent the entire vote cast, including 43,770 votes (35 States) cast for the Workers electors and 67,951 scattering, defective, blank, and void ballots.

³ Democrat-Populist.

⁴ Socialist-Labor only. In 1924 practically all the Socialist vote is included in votes in next column for La Follette and Wheeler.

⁵ Official candidates of the Socialist Party as well as the Independent Progressive.

⁶ Total for Georgia includes 33,871 anti-Smith votes; for South Carolina, 2,670.

⁷ Maryland includes 906 Labor votes; Minnesota and Pennsylvania, 1,921 and 380 industrial votes, respectively.

Sources: 1888-1920, reports of State officials on file in the Department of State; 1924 and 1923, data compiled by William Tyler Page, Clerk of the House of Representatives.

No. 180.—ELECTORAL VOTE FOR PRESIDENT: BY PRINCIPAL POLITICAL PARTIES AND BY STATES, 1908 TO 1928

NOTE.—In 1924, the 13 electoral votes of Wisconsin were cast for La Follette and Wheeler, Independent Progressive candidates

State	1908		1912			1916		1920		1924		1928	
	Republican	Democratic	Republican	Democratic	Progressive	Republican	Democratic	Republican	Democratic	Republican	Democratic	Republican	Democratic
Total	321	162	8	436	88	254	277	404	127	382	136	444	87
Plurality	159			347			23	277		246		357	
Alabama		11		12			12		12		12		12
Arizona				3			3	3		3		3	
Arkansas		9		9			9		9		9		9
California	10			2	11		13	13		13		13	
Colorado		5		6			6		6		6		6
Connecticut	7			7		7		7		7		7	
Delaware	3			3		3		3		3		3	
Florida		5		6			6		6		6		6
Georgia		13		14			14		14		14		14
Idaho	3			4			4		4		4		4
Illinois	27			29		29		29		29		29	
Indiana	15			15		15		15		15		15	
Iowa	13			13		13		13		13		13	
Kansas	10			10		10	10	10		10		10	
Kentucky		13		13			13		13		13		13
Louisiana		9		10			10		10		10		10
Maine	6			6		6		6		6		6	
Maryland	2	6		8		8		8		8		8	
Massachusetts	16			18		18		18		18		18	
Michigan	14				15		15		15		15		15
Minnesota	11				12	12		12		12		12	
Mississippi		10		10		10		10		10		10	
Missouri	18			18		18		18		18		18	
Montana	3			4		4		4		4		4	
Nebraska		8		8		8		8		8		8	
Nevada		3		3		3		3		3		3	
New Hampshire	4			4		4		4		4		4	
New Jersey	12			14		14		14		14		14	
New Mexico		3		3		3		3		3		3	
New York	39			45		45		45		45		45	
North Carolina		12		12			12		12		12		12
North Dakota	4			5		5		5		5		5	
Ohio	23			24		24		24		24		24	
Oklahoma		7		10		10		10		10		10	
Oregon	4			5		5		5		5		5	
Pennsylvania	34				38	38		38		38		38	
Rhode Island	4			5		5		5		5		5	
South Carolina		9		9		9		9		9		9	
South Dakota	4				5	5		5		5		5	
Tennessee		12		12			12		12		12		12
Texas		18		20			20		20		20		20
Utah	3			4		4		4		4		4	
Vermont	4					4		4		4		4	
Virginia		12		12			12		12		2	12	
Washington	5				7		7		7		7		7
West Virginia	7			8		7		8		8		8	
Wisconsin	13			13		13		13		(1)	(1)	13	
Wyoming	3			3		3		3		3		3	

¹ See headnote.

Sources: 1908 to 1920, Journal of the Senate, Washington, D. C.; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

No. 181.—APPORTIONMENT OF CONGRESSIONAL REPRESENTATION

NOTE.—The ratio given at the head of each column indicates the number of inhabitants per Member of the House of Representatives fixed by Congress as the basis of determining the number of Representatives per State. No apportionment under Census of 1920

State	Ratios under Constitution and censuses													
	Consti- tution	1790	1800	1810	1820	1830	1840	1850 (1)	1860 (2)	1870 (3)	1880	1890	1900	1910
	30,000	33,000	33,000	35,000	40,000	47,700	70,680	93,423	127,381	131,425	151,911	173,901	194,482	211,877
Total	Representation													
	65	106	142	186	213	242	232	237	243	208	332	357	391	436
Alabama				41	3	6	7	7	6	8	8	9	9	10
Arizona														11
Arkansas						41	1	2	3	4	5	6	7	7
California							42	2	3	4	6	7	8	11
Colorado										41	1	2	3	4
Connecticut	5	7	7	7	6	6	4	4	4	4	4	4	5	5
Delaware	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Florida							41	1	1	2	2	2	3	4
Georgia														
Idaho											10	11	11	12
Illinois				41	1	3	7	9	14	19	20	22	25	27
Indiana				41	3	7	10	11	11	13	13	13	13	13
Iowa							42	2	6	9	11	11	11	11
Kansas									1	3	7	8	8	8
Kentucky		2	6	10	12	13	10	10	9	10	11	11	11	11
Louisiana				41	3	3	4	4	5	6	6	6	7	8
Maine				47	7	8	6	6	5	5	4	4	4	4
Maryland	6	8	9	9	9	8	7	6	5	6	6	6	6	6
Massachusetts	8	14	17	13	13	12	10	11	10	11	12	13	14	16
Michigan				41			3		6	9	11	12	12	13
Minnesota								42	2	3	5	7	9	10
Mississippi				41	1	2	4	5	5	6	7	8	8	8
Missouri					1	2	5	7	9	13	14	15	16	16
Montana											41	1	1	2
Nebraska									41	1	3	6	6	6
Nevada									41	1	1	1	1	1
New Hampshire	3	4	5	6	6	5	4	3	3	3	2	2	2	2
New Jersey	4	5	6	6	6	6	5	5	5	7	7	8	10	12
New Mexico														11
New York	6	10	17	27	34	40	34	33	31	33	34	34	37	43
North Carolina	5	10	12	13	13	13	9	8	7	8	9	9	10	10
North Dakota											41	1	2	3
Ohio				41	6	14	19	21	21	19	20	21	21	22
Oklahoma													45	8
Oregon								41	1	1	1	2	2	3
Pennsylvania	8	13	18	23	26	28	24	25	24	27	28	30	32	36
Rhode Island	1	2	2	2	2	2	2	2	2	2	2	2	2	3
South Carolina	5	6	8	9	9	9	7	6	4	6	7	7	7	7
South Dakota											42	2	2	3
Tennessee		41	3	6	9	13	11	10	8	10	10	10	10	10
Texas							42	2	4	6	11	13	16	18
Utah												41	1	2
Vermont		2	4	6	5	5	4	3	3	3	2	2	2	2
Virginia		10	19	22	23	22	21	15	13	11	9	10	10	10
Washington											41	2	3	5
West Virginia										3	4	4	5	6
Wisconsin							42	3	6	8	9	10	11	11
Wyoming											41	1	1	1

1 Membership increased from 233 to 234 by act of July 30, 1852. (10 Stat. L., 25.)
 2 Membership increased from 233 to 241 by act of Mar. 4, 1862. (12 Stat. L., 653.)
 3 Membership originally fixed at 1283 but increased by act of May 30, 1872, to 292. (17 Stat. L., 102.)
 4 Assigned after apportionment.
 5 Included in apportionment act in anticipation of its becoming a State.
 6 Included in the 20 Members originally assigned to Massachusetts, but credited to Maine, after its admission as a State, Mar. 15, 1820. (3 Stat. L., 555.)

Source: Reports of the Bureau of the Census, Department of Commerce.

9. NATIONAL GOVERNMENT FINANCES

General note as to bases used in compiling statistics of receipts and expenditures of the United States Government.—Four different bases are used in compiling both the receipts and expenditures of the Government. These bases, in the case of receipts, are the daily Treasury statements (unrevised and revised), warrants issued, and collections reported. The expenditures of the Government are published on the first three of these bases and also on the basis of checks issued. Figures in the daily Treasury statements (unrevised) which are on a current cash basis are compiled from the latest daily reports from the Treasury offices or public depositories. Owing to the distance of some of these offices and depositories from the Treasury, reports from them are somewhat delayed in reaching the Treasury, and consequently it is necessary to issue the unrevised Treasury statements before they are received. In order to show the actual receipts and expenditures for any month or year, it is necessary to take into account these delayed reports. The figures for actual transactions during a month or year which are calculated by the use of these reports are said to be on a basis of daily Treasury statements (revised). The unrevised figures are the basis of the Budget estimates submitted to Congress by the President.

It is provided by law that warrants shall be issued by the Secretary of the Treasury in acknowledgment of money received, and that warrants must be drawn by the Secretary of the Treasury for all disbursements of money. These warrants for expenditures do not represent actual payments but are merely advances of credit to disbursing officers, who then issue checks in payment of Government obligations. Expenditures on the basis of warrants issued include unexpended balances to the credit of disbursing officers at the end of the year but do not include expenditures made during the year from unexpended balances of the preceding year. Both receipts and expenditures on a warrant basis omit transactions in certain accounts which credit receipts directly against expenditures shown on a warrant basis. Under normal conditions the unexpended balances of disbursing offices vary comparatively little from year to year, and other adjustments are small, but during a war period or a period of post-war adjustments differences in these items may be large and may cause marked discrepancies between figures shown on a cash as compared with a warrant basis. For example, the liquidation of the War Finance Corporation has caused some very large differences between figures of Government expenditures on these bases during the past decade.

Expenditures on the basis of checks issued (Table 187) represent most accurately the actual expenditures during any given year. They differ from expenditures shown by daily Treasury statements (revised), because they include checks outstanding at the end of the year and exclude unpaid checks at the beginning of the year.

All figures for receipts and expenditures include the figures of postal surpluses or deficiencies and consequently leave out the gross figures of postal revenues and expenditures.

No. 182.—ORDINARY RECEIPTS AND EXPENDITURES CHARGEABLE AGAINST ORDINARY RECEIPTS: SUMMARY

NOTE.—Figures are on the "current cash" basis shown by daily Treasury statements, unrevised

[All figures in millions and tenths of millions of dollars]

Year ended June 30—	Ordinary receipts					Expenditures chargeable against ordinary receipts			Surplus (+) or deficit (-)
	Total	Customs	Income and profits tax	Miscel- laneous internal revenue	Miscel- laneous revenue	Total	Ordinary	Public debt retire- ments	
1916.....	782.5	213.2	124.9	387.8	56.6	734.1	734.1	-----	+48.5
1917.....	1,124.3	226.0	359.7	449.7	89.0	1,977.7	1,977.7	-----	-853.4
1918.....	3,004.6	180.0	2,314.0	872.0	298.6	12,697.8	12,696.7	1.1	-9,033.3
1919.....	6,152.3	184.5	3,013.8	1,296.5	652.5	18,522.9	18,514.9	8.0	-13,870.6
1920.....	6,604.0	322.9	3,044.9	1,480.1	986.6	6,452.1	6,403.3	78.7	+212.5
1921.....	5,024.9	308.0	3,206.0	1,390.4	719.0	5,538.2	5,115.9	422.3	+56.7
1922.....	4,109.1	350.4	2,098.1	1,145.1	539.4	3,795.3	3,372.6	422.7	+313.8
1923.....	4,007.1	391.9	1,078.3	945.9	820.7	3,697.5	3,204.6	402.9	+809.7
1924.....	4,012.0	545.6	1,842.1	953.0	671.3	3,566.7	3,048.7	468.0	+505.4
1925.....	3,780.1	547.6	1,760.5	828.6	643.4	3,529.6	3,063.1	466.5	+520.5
1926.....	3,062.8	379.4	1,082.0	856.6	545.7	3,585.0	3,007.6	487.4	+377.8
1927.....	4,129.4	605.6	2,226.0	644.4	654.5	3,403.6	2,974.0	519.6	+635.8
1928.....	4,042.8	669.0	2,174.0	621.0	678.4	3,643.5	3,103.3	540.3	+398.8
1929.....	4,033.3	602.3	2,330.7	607.3	493.0	3,848.5	3,208.9	540.0	+184.8

Source: Annual Report of the Secretary of the Treasury.

170 RECEIPTS AND EXPENDITURES—U. S. GOVERNMENT

No. 183.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT

NOTE.—In thousands of dollars. Figures are on the basis of warrants issued (net); see general note, p. 169

Yearly average or year ended June 30—	Ordinary receipts	Ordinary expenditures	Public-debt retirements chargeable against ordinary receipts	Surplus (+) or deficit (-), ordinary	Public-debt receipts, proceeds of bonds, and other securities ¹	Public-debt retirements chargeable against public-debt receipts and surplus revenues ¹	Postal revenues, excluding surplus postal receipts covered into the Treasury ²	Postal expenditures, excluding postal deficiencies ²
1701-1800	6,765	6,835		-70	2,726	2,304	138	127
1801-1810	13,055	9,866		+3,069	3,206	4,261	403	390
1811-1820	21,032	23,042		-2,910	11,005	8,325	802	823
1821-1830	21,923	16,161		+5,762	³ 1,500	6,780	1,400	1,415
1831-1840	30,460	24,404		+5,966	³ 2,516	³ 5,932	3,347	3,272
1841-1850	27,117	32,392		-5,275	³ 12,559	6,762	4,391	4,369
1851-1860	60,237	60,862		+75	7,306	7,698	6,798	6,947
1861-1865	160,907	683,785		-522,878	776,719	254,381	10,061	10,367
1866-1870	447,800	377,642		+69,658	330,503	377,607	16,422	17,442
1871-1875	336,830	287,459		+49,370	89,352	148,818	23,442	23,061
1876-1880	283,124	255,508		+32,526	227,036	238,662	20,762	20,263
1880	333,527	267,643		+65,884	73,066	280,435	33,316	33,466
1881	360,782	260,713		+100,069	678	86,111	36,785	35,712
1882	403,525	257,081		+145,544	225	166,505	41,876	40,622
1883	398,288	205,408		+192,879	304,373	438,431	45,509	43,263
1884	348,520	244,126		+104,394	1,405	101,206	43,326	47,233
1885	323,601	260,227		+63,464	68	46,043	42,561	45,509
1886	336,440	242,453		+93,967	40	44,584	43,948	42,824
1887	371,403	267,932		+103,471	41	127,959	48,838	46,481
1888	379,266	267,925		+111,341	49	74,382	52,695	53,412
1889	387,050	209,289		+177,761	24	121,289	56,176	55,470
1890	403,081	318,041		+85,040	22	104,664	60,882	59,408
1891	392,612	395,774		+26,839	14	101,003	65,932	68,941
1892	354,938	345,023		+9,914	15	24,348	70,930	72,990
1893	385,820	333,478		+52,342	23	710	75,507	75,667
1894	306,355	307,525		-61,170	50,014	256	75,080	76,908
1895	324,729	356,195		-31,466	81,165	2,495	76,983	76,197
1896	338,142	352,179		-14,037	131,169	7,294	82,499	81,943
1897	347,722	365,744		-18,052	3	11,379	82,665	82,048
1898	405,321	443,369		-38,047	6	29,942	80,013	87,563
1899	515,961	605,072		-89,112	199,201	14,622	95,021	93,440
1900	567,241	520,871		+46,380	118	22,790	102,355	100,534
1901	587,685	524,617		+63,068	4	36,113	111,631	110,658
1902	562,473	485,234		+77,244	2	56,224	121,848	122,407
1903	561,881	517,066		+44,815	2	16,609	134,224	136,043
1904	641,087	553,660		+87,427	3	18,623	143,583	145,893
1905	644,275	567,279		+76,996	3	606	152,327	152,356
1906	694,684	570,202		+124,482	2	245	167,933	165,502
1907	665,860	579,129		+86,732	30,005	30,373	183,586	182,648
1908	601,852	659,196		-57,344	40,068	34,357	191,479	195,601
1909	604,320	603,744		+8,576	30,000	15,435	203,562	201,641
1910	675,612	603,617		+71,995		761	224,129	221,615
1911	701,533	691,202		+10,331	17,642	246	237,880	237,601
1912	692,600	689,881		+2,719	32,818	121	246,744	246,061
1913	724,111	724,512		-401	1,930	103	266,020	261,082
1914	734,673	735,081		-408	3,119	109	284,135	283,568
1915	697,911	760,587		-62,676	934	48	283,748	281,946
1916	782,535	741,997		+40,538	1,804	36	312,058	300,728
1917	1,124,325	2,080,042		-961,717	2,390,725	636,981	324,526	319,890
1918	4,130,425	13,791,903		-9,661,478	16,964,610	7,685,208	340,345	322,628
1919	4,654,381	18,952,141		-14,297,760	29,063,332	15,813,848	846,333	862,161
1920	6,794,414	6,141,745		+652,669	15,835,274	17,013,020	431,937	418,607
1921	5,584,517	4,468,713	422,562	+493,242	8,824,739	8,721,752	463,941	489,506
1922	4,103,697	3,195,685	422,353	+485,659	5,910,931	6,500,585	481,772	481,316
1923	3,847,946	3,244,717	402,953	+499,371	7,259,181	7,486,748	532,828	524,366
1924	3,584,011	2,946,401	457,804	+479,746	2,178,676	2,814,718	672,949	574,774
1925	3,607,614	2,464,169	406,333	+477,937	3,047,016	3,251,799	600,591	616,120
1926	3,908,458	3,030,387	487,376	+430,694	2,986,134	3,339,670	659,320	640,285
1927	4,023,722	2,897,135	519,564	+407,022	5,167,255	5,670,467	683,122	687,305
1928	3,863,929	2,897,102	640,246	+426,640	6,830,219	7,193,291	693,634	693,676

¹ Exclusive of the deposits made by banks to retire national bank and Federal reserve notes and of payments made from this fund to retire such notes; these are in the nature of fiduciary transactions. Both columns include redemption-exchange transactions.

² Based on reports of the Post Office Department. Expenditures include adjusted losses, etc., postal funds, and expenditures from postal balances; they exclude departmental expenditures in Washington, D. C., to the close of the fiscal year 1922, and amounts transferred to the civil-service retirement and disability fund, fiscal years, 1921 to 1928. In 1927 and 1928 the 3½ per cent salary deductions are included.

³ Averages are for entire 10-year period though there were no receipts or retirements certain years.

⁴ After taking account of public-debt retirement expenditures chargeable against ordinary receipts.

Source: Annual Report of the Secretary of the Treasury.

No. 184.—ORDINARY RECEIPTS OF THE GOVERNMENT: By MAJOR SOURCES

NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net); see general note, p. 169

Yearly average or year ended June 30—	Total ordinary receipts	Customs	Internal revenue		Sales of public lands	Surplus postal receipts	Miscella- neous receipts
			Income and profits tax	Miscella- neous			
1701-1800.....	6,765	5,940		444	110	136	334
1801-1810.....	13,055	12,046		201	456	122	329
1811-1820.....	21,632	16,888		1,544	1,023	50	1,429
1821-1830.....	21,923	19,562		31	1,388	(2)	649
1831-1840.....	30,460	20,470		5	7,462	(2)	2,533
1841-1850.....	27,117	24,300		11	1,080		708
1851-1860.....	60,237	54,498		127,283	4,582		1,156
1861-1865.....	100,007	68,988	28,006	171,315	555		10,994
1866-1870.....	447,300	178,903	50,003	112,217	2,109		44,368
1871-1875.....	336,830	186,200	7,760	116,697	2,223		28,420
1876-1880.....	288,124	146,594	(?)	116,697	1,025		23,808
1880.....	333,527	186,522		124,009	1,017		21,979
1881.....	360,782	198,160	3	135,261	2,202		25,156
1882.....	403,625	220,411		140,498	4,763		31,864
1883.....	308,288	214,706		144,720	7,956		30,905
1884.....	348,520	195,067	56	121,530	9,811		23,056
1885.....	323,601	181,472		112,400	5,709		24,014
1886.....	336,440	192,905		116,806	5,631		21,098
1887.....	371,403	217,287		118,823	9,254		20,030
1888.....	379,206	219,091		124,207	11,202		24,070
1889.....	387,050	223,833		130,832	8,039		24,297
1890.....	403,081	229,699		142,607	6,358		24,447
1891.....	392,612	219,522		145,657	4,080		23,374
1892.....	354,938	177,453		153,971	3,262		20,252
1893.....	385,820	208,355		101,028	3,182		18,255
1894.....	306,355	181,810		147,111	1,674		25,752
1895.....	324,729	152,159	77	143,345	1,103		28,046
1896.....	338,142	160,022		146,793	1,006		30,352
1897.....	347,722	176,554		146,059	865		23,614
1898.....	405,321	149,575		170,901	1,243		83,003
1899.....	515,961	200,128		273,437	1,678		34,717
1900.....	667,241	233,165		295,328	2,837		35,911
1901.....	587,685	238,585		307,181	2,905		38,954
1902.....	562,478	254,445		271,880	4,144		32,009
1903.....	561,881	284,480		230,810	8,926		37,665
1904.....	541,087	261,275		232,904	7,453		30,455
1905.....	544,275	261,709		234,066	4,859		43,521
1906.....	504,984	300,252		249,160	4,880		40,703
1907.....	665,860	332,233		209,067	7,879		56,081
1908.....	601,862	286,113		251,711	9,732		54,306
1909.....	604,320	300,712		246,213	7,701		49,695
1910.....	675,512	333,683	20,962	208,982	6,350		45,639
1911.....	701,833	314,497	33,517	289,012	5,732		59,075
1912.....	692,609	311,822	28,563	238,029	5,303		54,283
1913.....	724,111	318,891	35,006	306,411	2,910		57,893
1914.....	734,673	292,320	71,881	308,660	2,572	3,800	55,940
1915.....	697,911	209,787	80,202	335,468	2,107	3,500	66,787
1916.....	782,535	213,186	124,937	387,765	1,888		54,759
1917.....	1,124,325	225,962	350,681	440,685	1,893	5,200	81,903
1918.....	4,180,425	182,769	2,839,000	857,044	1,969	45,631	251,023
1919.....	4,654,381	183,429	2,000,703	1,230,468	1,405	39,906	539,411
1920.....	6,704,414	323,687	3,956,930	1,442,213	1,910	5,213	974,005
1921.....	5,584,517	308,025	3,228,138	1,351,836	1,530		694,988
1922.....	4,103,597	357,545	2,086,918	1,121,240	805	81	530,917
1923.....	3,847,046	562,189	1,691,090	935,700	657		657,411
1924.....	3,884,041	545,012	1,841,759	952,531	522		544,217
1925.....	3,607,644	548,622	1,761,650	927,787	624		460,053
1926.....	3,908,458	579,717	1,974,104	802,608	754		491,215
1927.....	4,023,722	605,672	2,219,952	648,732	621		548,743
1928.....	3,863,020	568,167	2,174,573	617,620	385		503,194

¹ Averages are for entire 10-year period though there were no receipts under these items certain years.

² Less than \$500.

³ Average for 1893 to 1895.

⁴ Estimated increased postage under act of Oct. 3, 1917, included in "Surplus postal receipts."

Source: Annual Report of the Secretary of the Treasury.

No. 185.—ORDINARY EXPENDITURES OF THE GOVERNMENT: BY MAJOR CLASSES

NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net); see general note, p. 169

Yearly average or year ended June 30—	Total ordinary expenditures	Civil and miscellaneous ¹	War Department ¹	Navy Department ¹	Indians	Pensions ²	U. S. Veterans' Bureaus ³	Postal deficiencies ⁴	Interest on the public debt
1791-1800	6,835	980	1,732	4,882	31	97			3,111
1801-1810	9,086	1,870	1,032	1,636	164	78			3,703
1811-1820	23,942	2,589	10,742	4,675	317	741			4,877
1821-1830	16,161	3,144	3,018	3,205	599	1,247			3,956
1831-1840	24,494	5,618	8,321	5,041	2,612	2,572			6,331
1841-1850	30,192	7,452	12,815	7,237	1,384	1,700			6,185
1851-1860	62,303	21,233	15,784	11,906	3,266	1,531			3,574
1861-1865	683,785	25,894	547,752	65,329	3,203	4,858			2,146
1866-1870	377,642	54,524	127,815	23,382	4,488	23,428			3,562
1871-1875	287,459	69,152	40,186	23,328	7,504	30,166			5,544
1876-1880	255,598	56,819	37,170	15,990	5,405	35,051			4,972
1880	267,643	54,438	38,117	13,587	5,945	56,777			3,071
1881	260,713	61,582	40,466	15,687	6,514	50,959			3,896
1882	257,981	57,220	43,670	15,032	9,737	61,345			71,077
1883	265,408	68,604	48,911	15,283	7,303	66,813			59,160
1884	244,126	70,920	39,430	17,293	6,476	55,429			54,578
1885	209,227	82,953	42,671	16,021	6,552	50,102		4,542	61,393
1886	242,483	65,073	34,324	13,908	6,069	63,405		8,194	50,580
1887	267,932	78,764	38,561	15,141	6,105	75,020		6,501	47,742
1888	267,925	78,107	38,522	16,926	6,249	80,289		3,056	44,715
1889	299,289	94,083	44,435	21,379	6,892	87,625		3,809	41,001
1890	318,041	94,832	44,583	22,006	6,708	106,937		6,875	36,099
1891	305,774	115,708	48,720	26,114	8,527	124,416		4,742	37,547
1892	345,023	95,790	46,895	29,174	11,151	134,683		4,051	23,378
1893	383,478	97,738	49,642	30,136	13,345	159,358		5,947	27,204
1894	367,525	93,694	54,668	31,701	10,293	141,177		8,250	27,841
1895	356,195	82,263	51,805	28,798	9,940	141,895		11,017	30,973
1896	352,179	77,916	50,831	27,148	12,166	139,434		9,300	35,385
1897	365,774	79,252	48,950	34,502	13,017	141,053		11,149	37,791
1898	443,369	86,016	91,902	68,824	10,905	147,452		10,504	37,585
1899	605,072	110,950	229,841	63,942	12,806	139,395		8,212	30,897
1900	520,861	131,689	134,775	55,953	10,175	140,877		7,231	40,140
1901	524,617	131,977	144,616	60,507	10,896	139,324		4,955	32,343
1902	485,234	125,111	112,272	67,803	10,050	138,489		2,769	20,108
1903	517,006	133,073	118,639	82,618	12,935	138,426		2,769	28,556
1904	583,690	131,357	165,200	102,956	10,438	142,659		6,503	24,648
1905	567,279	127,968	126,094	117,550	14,236	141,774		15,065	24,631
1906	570,202	131,939	137,326	110,474	12,747	141,035		12,673	24,309
1907	679,120	145,642	149,775	97,128	15,164	139,310		7,029	24,381
1908	659,196	162,532	175,840	118,037	14,580	153,892		12,888	21,426
1909	693,744	107,001	102,487	115,540	15,695	181,710		19,501	21,804
1910	693,617	171,581	189,823	123,174	18,504	160,696		8,496	21,343
1911	691,202	173,839	197,199	119,938	20,934	157,981			21,311
1912	639,881	172,257	184,123	135,502	20,135	153,590		1,568	22,616
1913	724,512	169,802	202,129	133,263	20,306	175,085		1,027	22,899
1914	735,081	170,630	205,350	139,682	20,215	173,440			22,864
1915	780,587	200,533	202,160	141,839	22,130	164,388		6,637	22,908
1916	741,997	199,555	182,139	155,029	17,570	159,302		5,500	22,900
1917	2,030,042	1,130,351	459,640	237,169	30,598	160,318	3,326		24,742
1918	13,791,903	6,237,492	5,705,139	1,363,643	30,888	181,138	68,893	2,221	197,527
1919	18,952,141	6,701,180	6,265,325	2,009,272	34,893	221,615	103,945	344	615,867
1920	6,141,745	2,989,703	1,100,566	629,893	40,517	213,344	107,585	6,351,813	1,024,024
1921	4,468,713	1,452,935	1,580,795	647,871	41,471	200,611	356,801	6,131,502	986,677
1922	3,195,665	660,823	402,058	458,795	38,500	252,577	320,092	6,64,353	989,485
1923	3,244,717	806,099	355,723	322,593	45,143	264,148	362,855	32,527	1,055,088
1924	2,940,411	650,330	348,000	324,130	40,764	228,262	396,934	12,639	938,741
1925	2,464,169	734,276	357,957	326,368	38,765	218,521	485,261	23,217	882,015
1926	3,030,387	749,358	365,329	311,012	48,442	207,190	484,481	39,500	831,469
1927	2,897,135	637,893	361,987	322,621	36,792	230,556	492,293	27,263	787,794
1928	2,897,102	653,873	400,945	337,093	36,991	229,401	474,053	32,080	731,850

¹ Up to 1920, inclusive, civil expenditures under War and Navy Departments at Washington are included under the column Civil and Miscellaneous; thereafter under War and Navy Departments, respectively. Civil and miscellaneous expenditures, beginning 1917, have been revised to exclude expenditures by Bureau of War Risk Insurance and for vocational rehabilitation. War Department expenditures include those for rivers and harbors and the Panama Canal.

² Includes only Army and Navy pensions for service prior to World War and fees of examining surgeons. Does not include salaries under Bureau of Pensions or payments to veterans of the World War, which are made by Veterans' Bureau (see next column).

³ Prior to 1922 data represent expenditures by Bureau of War Risk Insurance and for vocational rehabilitation. They are exclusive of operations in Government life insurance trust funds and special funds.

⁴ Exclusive of amounts transferred to the civil service retirement and disability fund in 1921 to 1926.

⁵ Averages are for entire 10-year period, though there were no expenditures in certain years.

⁶ Additional compensation, Postal Service (resolution of Nov. 3, 1919), included in "Postal deficiencies."

⁷ The liquidation of the War Finance Corporation and the repayment of loans by the railroads very much affected the total civil and miscellaneous expenditures in 1925.

Source: Annual Report of the Secretary of the Treasury.

No. 186.—RECEIPTS OF THE GOVERNMENT: BY SOURCES, YEARS ENDED JUNE 30

NOTE.—Figures are on the basis of warrants issued, see general note, p. 169

[All figures in thousands of dollars]

	1927	1928		1927	1928
ORDINARY RECEIPTS			ORDINARY RECEIPTS—contd.		
Customs.....	805, 672	568, 157	Miscellaneous—Continued.		
Duties.....	603, 427	566, 215	Federal reserve bank franchise tax and net earnings from Federal intermediate credit banks.....	1, 232	618
Tonnage tax.....	2, 246	1, 942	Profits on coinage, bullion deposits, etc.....	9, 130	6, 236
Internal revenue.....	2, 868, 685	2, 792, 193	Revenue-producing enterprises—		
Income tax.....	2, 219, 952	2, 174, 573	United States Housing Corporation.....	479	399
Miscellaneous taxes.....	648, 231	616, 777	Funds deposited for construction loans under section 11, merchant marine act, 1920.....	95	1, 308
Collections under enforcement of national prohibition act.....	1, 502	1, 843	Center Market, Washington, D. C.....	260	253
Miscellaneous.....	549, 371	503, 579	Earnings from radio service. Tolls, profits, etc., Panama Canal.....	25, 154	27, 901
Interest, premiums, etc.—			U. S. telegraph lines.....	230	239
Interest on bonds of foreign governments under funding agreements.....	139, 826	139, 944	Laundry and dry-cleaning operations (war).....	1, 353	1, 277
Interest on unfunded obligations of foreign governments.....	20, 563	21, 141	Sale of electric current (Muscle Shoals, Ala.).....	1, 032	1, 212
Interest on miscellaneous obligations.....	1, 092	1, 146	Profits from sale of ships' stores, Navy.....	310	298
Interest on overpayments under section 209 transportation act, 1920.....	5		Other.....	78	108
Interest on farm-loan bonds.....	670		Rent of public buildings and grounds.....	1, 170	1, 091
Interest on public deposits.....	4, 708	4, 851	Fees, fines, penalties, etc.—		
Interest on advance payments to contractors.....	45	138	Alaska fund.....	238	154
Interest on bonds of Boston, Cape Cod & New York Canal Co., withheld from purchase price of Cape Cod Canal.....		74	Fees on letters patent.....	3, 463	3, 683
Dividends, Panama R. R. Dividends, Hoboken & Manufacturers R. R. Co. Gain by exchange.....	350	700	Copyright fees.....	184	192
	1, 707	982	Fees and commissions (Land Office).....	493	404
		7	Consular and passport fees.....	8, 780	8, 291
Sales of property—			Tax on circulation of national banks.....	3, 253	3, 224
Government property (unserviceable).....	3, 337	2, 819	Customs Service.....	1, 500	2, 563
Office material, etc. (General Supply Committee).....	37	38	Collections under enforcement of national prohibition act (Treasury and judicial) ¹	4, 298	3, 062
Properties, United States Housing Corporation.....	1, 670	1, 242	Commissions on telephone pay stations, Federal buildings and rented post offices.....	17	56
Lands, etc., on account of military post construction fund.....	3, 837	2, 897	Navy fines and forfeitures.....	846	860
War supplies.....	8, 048	2, 780	Naval hospital fund.....	1, 007	499
Seal and fox skins.....	281	331	Naturalization fees.....	945	979
Public documents and charts.....	209	391	Immigration Service.....	3, 365	4, 369
Card indexes, Library of Congress.....	191	195	Judicial.....	3, 045	3, 952
Miscellaneous Government property.....	158	211	Recovery of value of oil in case of U. S. against the Pan American Petroleum Co., and the Pan American Petroleum & Transport Co.....		13, 013
Public domain receipts—			Forfeitures by contractors. Licenses under Federal water power act.....	112	34
Sale of public lands.....	621	385	Taxes, licenses, fines, etc., Canal Zone.....	222	233
Receipts under mineral leasing acts.....	6, 670	4, 674	Other.....	1, 349	867
Forest reserve fund.....	5, 228	5, 564			
National park revenues.....	670	744			
Royalties on oil, gas, etc.....	11, 253	4, 961			
Other.....	852	680			

¹ Additional collections under national prohibition act included under miscellaneous receipts.

² Exclusive of \$14,268,000 transferred from the checking account of the U. S. Shipping Board to the warrant account on the books of the Secretary of the Treasury and covered into the Treasury by miscellaneous receipt covering warrant. As this was merely an adjustment between accounts of cash transactions occurring in prior years, this item has not been included in either receipts or expenditures.

³ For additional collections from this source see under "Internal Revenue."

⁴ Includes \$3,272,000 head tax in 1927 and \$3,263,000 in 1928.

No. 186.—RECEIPTS OF THE GOVERNMENT: BY SOURCES, YEARS ENDED
JUNE 30—Continued

[All figures in thousands of dollars]

	1927	1928		1927	1928
ORDINARY RECEIPTS—contd.			ORDINARY RECEIPTS—contd.		
Miscellaneous—Continued.			Miscellaneous—Continued.		
<i>Gifts and contributions—</i>			<i>Assessments and reimbursements—Continued.</i>		
Library of Congress gift fund.....	37	123	Army costs due United States from Germany, Paris agreement of Jan. 14, 1926.....	8,920	13,638
Return of increase in salary by member of Sixty-ninth Congress.....	2	-----	Work done for individuals, corporations, et al.....	133	123
For river and harbor improvements.....	-----	-----	Payment for quarters, subsistence, and laundry service, Veterans' Bureau.....	468	70
Advance of funds.....	1,248	174	Fumigation and disinfection of vessels, Public Health Service.....	642	537
Contributions.....	2,944	2,807	Collections under grain and cotton standards act.....	162	185
For Forest Service cooperative work.....	1,503	1,551	General railroad contingent fund.....	852	1,180
For roads, bridges, and related works, Alaska.....	92	213	Reimbursement for maintenance of District of Columbia inmates in Federal penal and correctional institutions.....	139	161
Donations to United States and moneys received from persons unknown.....	29	1	Maintenance charges, irrigation systems, Indian Service.....	-----	864
Donations, National Park Service.....	-----	51	Reimbursement of appropriations made for Indian tribes.....	3	345
Canadian Government's share, cost of protective works and measures, Lake of the Woods and Rainy River, Minn.....	275	-----	International service of ice observation and control.....	193	148
Pan American Union quotas.....	221	130	Reimbursement for Government property lost.....	54	51
<i>Repayments of investments—</i>			Damages to Government property.....	20	48
Principal of unfunded loans made to foreign governments.....	10,002	11,097	Other.....	976	779
Principal of bonds of foreign governments under funding agreements.....	35,091	36,144	<i>Other miscellaneous—</i>		
Principal of sale of surplus war supplies to foreign governments.....	7	-----	Clothing and small stores fund, Navy.....	5,320	(0.7)
Liquidation of capital stock, Federal land banks.....	338	286	Bribes to United States officers.....	71	2
Sale of farm loan bonds.....	60,495	-----	Other.....	301	260
Return of advances made to reclamation fund.....	1,000	1,000	<i>Trust funds—</i>		
Principal of loans by U. S. Housing Corporation.....	844	(9)	Government life insurance fund.....	65,846	81,810
Capital stock of Hoboken & Mrs. R. R. Co. owned by United States.....	-----	425	Contributions to Library of Congress trust fund, investment account.....	15	128
Funds deposited for final liquidation of U. S. Grain Corporation.....	-----	115	Foreign service retirement and disability fund—		
Other.....	-----	111	Interest on investments.....	10	10
<i>Assessments and reimbursements—</i>			Deductions from salaries.....	-----	1
Salaries and expenses, national-bank examiners.....	2,451	2,602	Soldiers' Home permanent fund.....	546	714
Expenses of redeeming national currency.....	547	524	Pay of the Army deposit fund.....	980	1,568
Assessments on Federal reserve banks for Federal Reserve Board.....	2,350	1,890	Navy and Marine Corps deposit funds.....	211	(0.7)
Assessments on Federal intermediate credit and Federal and joint stock land banks for Federal Farm Loan Board.....	688	723	Indian moneys—		
Overhead charges on sales of services or supplies (War and Navy).....	169	101	Oil and gas leases, etc., Osage Reservation, Okla.....	18,546	11,054
Settlement of claims (War, Navy, and Treasury).....	-----	10,079	Proceeds of labor, Kiowa, Comanche, and Apache Indians, Oklahoma, moneys due for oil and gas, act Mar. 4, 1923.....	2,082	2,033
Settlement of claims (War and Interior).....	326	-----	Sales and leases of Indian lands, etc.....	1,201	112
			Sales and leases of Indian lands, etc.....	1,553	1,408
			Miscellaneous trust funds.....	313	436

⁵ For contributions to Library of Congress trust fund see "Trust funds." ⁶ Less than \$500.

⁷ Apparent decrease is due to the fact that in 1928 adjustments were made between general account of advances and these accounts by transfer and counter warrants, whereas in prior years adjustments were effected by pay warrants, the proceeds of which were redeposited as miscellaneous receipts. In 1928 this adjustment is excluded from both receipts and expenditures, as it does not affect the cash in the Treasury.

No. 186.—RECEIPTS OF THE GOVERNMENT: BY SOURCES, YEARS ENDED
JUNE 30—Continued

[All figures in thousands of dollars]

	1927	1928		1927	1928
ORDINARY RECEIPTS—contd.			ORDINARY RECEIPTS—contd.		
Miscellaneous—Continued.			Add receipts credited direct to appropriations: ²		
Revenues of District of Columbia—			Proceeds of railroad securities owned by the Government.	89,726	164,812
District of Columbia share (excluding trust funds).....	27,841	30,303	Miscellaneous receipts.....	14,976	0,496
District of Columbia trust funds.....	2,671	2,475	Total ordinary receipts (cash basis, revised).....	4,128,423	4,038,236
United States share.....	147	124			
Grand total, all items.....	4,023,728	3,803,029	OTHER RECEIPTS		
Adjustment for uncovered moneys and items counter-entered in fiscal year subsequent to deposit.....	-7	(⁰)	Public debt receipts.....	5,185,083	6,855,341
Total (warrant receipts).....	4,023,722	3,803,029	Postal revenues.....	683,122	693,684

⁰ Less than \$500.² These items represent cash receipts which are credited against the expenditures shown on a warrant basis and must be added back to receipts by warrants in order to adjust to an actual cash basis.

Source: Annual Report of the Secretary of the Treasury.

No. 187.—EXPENDITURES OF THE GOVERNMENT: DETAILS OF, YEARS ENDED
JUNE 30

NOTE.—Figures are on the basis of checks issued; see general note, p. 169

[All figures in thousands of dollars]

	1927	1928		1927	1928
GENERAL EXPENDITURES			GENERAL EXPENDITURES—con.		
Legislative establishment.....	19,148	16,423	Treasury Department—Con.		
United States Senate.....	2,784	3,006	Customs service ¹ —		
House of Representatives.....	7,593	7,091	Collecting the revenue.....	17,147	17,769
Legislative, miscellaneous.....	15	70	Miscellaneous expenses.....	212	239
Architect of the Capitol.....	4,698	1,162	Bureau of the Budget.....	167	161
Botanic Garden.....	130	120	Federal Farm Loan Bureau.....	506	733
Library of Congress.....	1,457	1,718	Office of Treasurer of the United States.....	1,547	1,523
Government Printing Office.....	2,472	2,037	Office of Comptroller of the Currency.....	2,572	2,639
Executive office: Salaries and expenses.....	608	585	Internal Revenue Service ² —		
Department of State.....	16,439	11,560	Collecting the revenue.....	33,000	34,482
Department of State proper.....	1,813	1,367	Bureau of Prohibition—Enforcement of narcotic and prohibition acts.....	12,320	13,519
Foreign intercourse.....	¹ 14,652	¹ 10,224	Const Guard.....	27,918	27,334
Special deposit accounts.....	² 26	² 31	Bureau of Engraving and Printing—		
Treasury Department ³	151,505	109,272	Administrative salaries.....	404	404
Office of the secretary.....	152	158	Compensation of employees.....	3,420	3,573
Office of the chief clerk and superintendent.....	⁴ 1,000	591	Materials and miscellaneous expenses.....	1,155	848
Division of supply ⁴		1,407	New machinery and equipment.....	22	
General Supply Committee.....	117	113	Plate printing.....	1,849	1,858
Office of commissioner of accounts and deposits.....	72	30	Secret Service.....	453	496
Division of bookkeeping and warrants.....	601	642	Public Health Service—		
Public Debt Service.....	4,455	5,347	Administrative salaries and miscellaneous items.....	1,421	1,580
World War Foreign Debt Commission.....	2	4	Pay of commissioned officers, pharmacists, acting assistant surgeons, and other employees.....	2,467	2,499
Division of appointments.....	60	59	Pay of personnel and maintenance of hospitals.....	5,254	5,440
Division of printing.....	738	(⁴)			
Office of disbursing clerk.....	51	51			

¹ Exclusive of investments of trust funds, see p. 178.² Excess of credits, deduct.³ Exclusive of refunds, debentures, drawbacks, etc., shown under "Refunds of receipts," p. 178.⁴ "Division of supply" includes in 1928 the former division of printing and also \$309,000 for "Stationery, Treasury Department," included in 1927 under "Office of the chief clerk and superintendent."

No. 187.—EXPENDITURES OF THE GOVERNMENT: DETAILS OF, YEARS ENDED
JUNE 30—Continued

[All figures in thousands of dollars]

	1927	1928		1927	1928
GENERAL EXPENDITURES—CON.			GENERAL EXPENDITURES—CON.		
Treasury Department—Contd.			War Department—Continued.		
Mints and assay offices.....	1,548	1,590	Military activities—Contd.		
<i>Public buildings—</i>			<i>Ordnance Department—</i>		
Salaries, Office of Super- vising Architect.....	334	348	Ordnance service.....	1,094	1,020
Operating expenses.....	10,030	10,440	Ordnance stores and supplies.....	230	568
Repairs, equipment, and general expenses.....	3,307	3,257	Ammunition.....	1,617	2,511
Public buildings, sites, construction, and rent.....	7,313	6,031	Automatic rifles and manufacture of arms.....	570	804
Quarantine stations.....	330	103	Nitrate plants.....	15	4
Hospitals.....	221	567	Arsenals.....	711	776
American Printing House for the Blind.....	50	75	Field artillery armament.....	1,627	1,779
Judgments, United States courts, Treasury.....	535	89	Miscellaneous items.....	405	1,111
Miscellaneous.....	1,276	1,298	Chemical Warfare Service.....	1,173	1,272
Special deposit accounts.....	926	2,105	Chief of Infantry.....	54	68
Premium on public debt.....	7,111	1,267	Chief of Cavalry.....	17	16
Subscription to capital stock of Federal intermediate credit banks.....	1,000		Chief of Field Artillery.....	18	24
Payment into German Special Account.....		50,000	Chief of Coast Artillery.....	178	349
			Military Academy.....	2,713	3,087
			Militia Bureau.....	29,522	32,512
			Organized Reserves and military training of citi- zens.....	9,420	10,394
			National Board for Promo- tion of Rifle Practice.....	57	305
			Special deposit accounts.....	1,724	591
War Department (exclusive of Panama Canal)	355,663	337,649	Nonmilitary activities.....	88,344	94,360
Military activities.....	267,313	293,289	Finance Service.....	(9)	5
Office of the Secretary.....	1,098	937	National cemeteries.....	818	1,274
General Staff Corps.....	272	268	National military parks.....	209	243
Adjutant General's De- partment.....	1,016	1,557	Signal Corps.....	177	160
Office of Inspector General.....	25	25	Medical Department.....	80	73
Office of Judge Advocate General.....	80	83	Miscellaneous items under Corps of Engineers.....	1,221	1,184
Army account of advances.....	2,009	1,721	<i>Rivers and harbors—</i>		
<i>Finance Department—</i>			Improving rivers.....	61,309	73,888
Pay of the Army.....	121,994	129,189	Improving harbors.....	281	531
Mileage of the Army.....	632	751	Special fund.....	3,779	3,933
Finance service.....	1,073	1,036	Special deposit accounts.....	16	77
Miscellaneous items.....	525	631	Inland and Coastwise Wa- terways Service.....	2,500	1,000
Pay of the Army, de- posit fund, trust fund.....	1,566	1,222	National homes for dis- abled volunteer soldiers.....	9,661	8,344
<i>Quartermaster Corps—</i>			War claims and relief acts.....	7,393	2,860
Army transportation.....	14,549	16,160	<i>Trust funds—</i>		
Barracks and quarters.....	3,977	4,694	Estates of deceased sol- diers.....	19	20
Clothing and equipage.....	6,344	6,168	Soldiers' Home perma- nent fund.....	768	660
Construction of build- ings, utilities, etc., at military posts.....	945	3,895	Miscellaneous.....	113	108
Construction and repair of hospitals.....	623	2,452	Department of justice.....	24,663	27,591
Incidental expenses of the Army.....	3,545	3,576	<i>Department of Justice proper—</i>		
Regular supplies of the Army.....	11,733	11,944	Salaries and expenses.....	2,320	1,960
Roads, walks, wharves, and drainage.....	753	961	Detection and prosecution of crimes.....	2,004	2,237
Subsistence of the Army.....	17,925	24,297	<i>Judicial—</i>		
Water and sewers at military posts.....	2,320	2,675	Courts, salaries, and ex- penses.....	11,554	13,031
Miscellaneous items.....	1,306	1,923	Fees of jurors and witnesses.....	2,732	3,569
Signal Corps.....	1,073	2,317	Penal institutions.....	6,026	6,351
Air Service.....	10,952	19,640	Miscellaneous.....	51	4
Medical Department.....	1,273	1,394	Special deposits accounts.....	1,223	1,111
Bureau of Insular Affairs.....	78	88	Post Office Department: Mis- cellaneous expenses.....	53	62
Corps of Engineers.....	954	966	Navy Department.....	324,238	332,303
Fortifications, etc., Pan- ama Canal.....	586	1,166	Office of the Secretary—		
			Pay, miscellaneous.....	1,741	1,311
			Other items.....	1,477	1,471

¹ Excess of credits, deduct.

² Represents payment of amount appropriated for claims of German Nationals against the United States (awards and expenses of administration, War Claims Arbitrer) under settlement of war claims act of 1928.

³ Included under war claims and relief acts in 1927.

⁴ For deficiency in postal revenues see p. 173.

No. 187.—EXPENDITURES OF THE GOVERNMENT: DETAILS OF, YEARS ENDED
JUNE 30—Continued

[All figures in thousands of dollars]

	1927	1928		1927	1928
GENERAL EXPENDITURES—CON.			GENERAL EXPENDITURES—CON.		
Navy Department—Contd.			Department of Interior—Con.		
Office of Naval Records and Library.....	39	37	Bureau of Indian Affairs—Con.		
Office of Judge Advocate General.....	100	100	Interest on Indian trust funds.....	1,330	762
Office of Chief of Naval Operations.....	249	246	Trust funds.....	22,871	19,625
Bureau of Navigation—			Fulfilling treaty stipulations.....	873	856
Organizing the Naval Reserve.....	577	3,704	Miscellaneous expenses.....	3,397	7,368
Transportation.....	4,322	6,548	Special deposit accounts.....	2,159	1,576
Other items.....	6,677	3,683	Department of Agriculture.....	165,584	161,752
Bureau of Engineering.....	19,351	19,909	Office of the Secretary.....	1,055	1,250
Bureau of Construction and Repair.....	18,010	19,861	Office of Information.....	1,183	1,194
Bureau of Ordnance.....	12,353	12,162	Library.....	80	90
Bureau of Supplies and Accounts—			Office of Experiment Stations.....	3,206	3,720
Pay of the Navy.....	121,540	\$ 3,811	Extension service.....	1,559	1,619
Provisions.....	19,049	\$ 315	Weather Bureau.....	2,539	2,791
Fuel and transportation.....	12,020	10,823	Bureau of Animal Industry.....	7,593	8,117
Pay, subsistence, and transportation, Navy.....	(6)	141,173	Meat Inspection, Bureau of Animal Industry.....	4,847	5,427
Maintenance.....	10,044	9,657	Bureau of Dairy Industry.....	496	527
Naval supply account fund.....	\$ 5,072	\$ 3,112	Bureau of Plant Industry.....	3,711	4,108
Clothing and small stores special fund.....	2,545	2,710	Forest Service.....	10,399	9,558
Other items.....	3,980	1,256	Bureau of Chemistry and Soils.....	1,973	1,279
Bureau of Medicine and Surgery.....	4,490	4,385	Bureau of Entomology.....	5,989	9,087
Bureau of Yards and Docks.....	10,777	12,103	Bureau of Biological Survey.....	1,000	1,231
Bureau of Aeronautics.....	15,364	22,197	Bureau of Public Roads.....	416	483
Naval Academy.....	2,064	1,840	Road construction.....	92,100	90,440
Marine Corps—			Bureau of Agricultural Economics.....	4,676	5,313
Pay.....	14,911	15,337	Bureau of Home Economics.....	120	127
General expenses.....	7,816	12,408	Federal Horticultural Board.....	765	1,025
Other items.....	358	486	Food, Drug, and Insecticide Administration.....	178	1,311
Increase of Navy.....	38,832	38,564	Cooperative agricultural extension work.....	5,879	5,878
General account of advances.....	\$ 3,065	\$ 1,628	Lands for protection of watersheds and streams.....	1,117	1,933
Miscellaneous.....	1,629	1,819	Miscellaneous.....	1,595	1,670
Special deposit accounts.....	\$ 19	\$ 29	Special funds—		
Department of the Interior.....	363,084	399,684	Cooperative work, Forest Service.....	1,459	1,508
Interior civil.....	266,541	260,954	Payments to States and Territories from national-forests fund.....	1,286	1,285
Office of the Secretary.....	963	940	Other special funds.....	514	770
General Land Office.....	11,937	6,197	Special deposit accounts.....	248	(11)
Bureau of Pensions—			Department of Commerce.....	30,383	34,325
Salaries and expenses.....	1,466	1,365	Office of the Secretary.....	1,987	2,306
Army pensions.....	220,359	218,300	Aircraft in Commerce.....	490	2,497
Navy pensions.....	9,597	10,397	Bureau of Foreign and Domestic Commerce.....	3,134	3,662
Fees of examining surgeons.....	535	496	Bureau of the Census.....	2,041	2,093
Bureau of Reclamation.....	8,247	9,561	Steamboat Inspection Service.....	975	1,063
Geological Survey.....	1,812	1,765	Bureau of Navigation.....	975	610
National Parks.....	3,736	5,217	Bureau of Standards.....	1,806	2,216
Bureau of Education.....	954	1,003	Bureau of Lighthouses.....	10,054	10,406
Colleges for agriculture and mechanic arts.....	2,550	2,550	Coast and Geodetic Survey.....	2,243	2,228
Territorial governments.....	216	198	Bureau of Fisheries.....	1,628	1,622
Beneficiaries.....	1,891	1,807	Patent Office.....	3,018	2,766
Alaska Railroad.....	1,572	1,322	Bureau of Mines.....	2,461	2,491
Miscellaneous.....	80	8	Miscellaneous.....	16	11
Special deposit accounts.....	539	\$ 60	Special deposit accounts.....	10	64
Bureau of Indian Affairs.....	35,584	38,739	Department of Labor.....	6,641	8,830
Salaries and general expenses.....	1,446	1,481	Office of the Secretary.....	678	712
Expenses and Indian Commissioners.....	10	10	Bureau of Labor Statistics.....	292	297
General support and civilization.....	852	911	Bureau of Immigration.....	6,411	6,449
Education.....	6,138	6,141			

² Excess of credits, deduct.

³ See "Pay subsistence and transportation, Navy," below, and note 9;

⁴ Expenditures for 1927 included under "Transportation, Bureau of Navigation," "Pay of the Navy," and "Provisions," Bureau of Supplies and Accounts.

⁵ For civil service retirement fund see p. 178.

¹¹ Less than \$500.

No. 187.—EXPENDITURES OF THE GOVERNMENT: DETAILS OF, YEARS ENDED
JUNE 30—Continued

[All figures in thousands of dollars]

	1927	1928		1927	1928
GENERAL EXPENDITURES—CON.			GENERAL EXPENDITURES—CON.		
Department of Labor—Contd.			Other independent bureaus and offices—Continued.		
Bureau of Naturalization.....	735	737	U. S. Geographic Board.....	3	4
Children's Bureau.....	1,845	1,298	U. S. Tariff Commission.....	708	646
Women's Bureau.....	100	99	District of Columbia.....	37,708	39,487
Employment service.....	199	195	Unclassified items.....	573	688
Miscellaneous.....	21	9	Total general expenditures.....	1,857,662	1,961,626
Special deposit accounts.....	60	34	SPECIAL EXPENDITURES		
U. S. Veterans' Bureau¹².....	594,060	405,040	Interest on public debt.....	787,704	731,850
Salaries and expenses.....	36,574	37,822	<i>Refunds of receipts:</i>		
Adjusted service and dependent pay.....	9,959	10,150	Customs.....	20,293	21,957
Medical and hospital service.....	30,045	28,553	Internal Revenue.....	113,008	144,738
Military and naval compensation.....	173,527	181,738	Postal deficiency.....	27,263	32,080
Military and naval insurance (appropriated fund).....	127,019	117,449	Panama Canal.....	8,512	10,522
Vocational rehabilitation.....	2,217	264	<i>Operations in special accounts:</i>		
Military and naval family allowance.....	1,102	1,110	Railroads.....	984	2,395
Miscellaneous items.....	4,745	5,360	War Finance Corporation.....	2,026	2,803
<i>Special funds—</i>			Shipping Board.....	13,655	33,836
Military and naval insurance.....	2,602	2,333	Alien property funds.....	286	10
Miscellaneous special funds.....	2		Adjusted service certificate fund.....	115,720	111,675
Government life insurance fund (trust fund) ¹³			Civil service retirement fund.....	1,309	1,678
Expenses.....	16,069	20,669	<i>Investment of trust funds:</i>		
Special deposit accounts.....	24	279	Government life insurance.....	43,938	61,062
Other independent bureaus and offices¹⁴.....	55,131	55,476	District of Columbia teachers' retirement.....	290	523
Alaska relief funds.....	15	10	Foreign service retirement.....	87	72
Alien Property Custodian.....	14,150	14,355	General railroad contingent.....	871	1,180
American Battle Monuments Commission.....	105	117	Total ordinary expenditures.....	2,974,274	3,107,010
Arlington Memorial Bridge Commission.....	1,455	2,266	PUBLIC DEBT RETIREMENTS CHARGEABLE AGAINST ORDINARY RECEIPTS		
Board of Mediation.....	227	276	Retirements from:		
Board of Tax Appeals.....	633	664	Sinking fund.....	333,528	354,741
Bureau of Efficiency.....	175	216	Foreign repayments.....	19,254	19,068
Civil Service Commission.....	1,003	1,151	U. S. bonds received from foreign countries under debt settlements.....	159,962	162,736
Commission of Fine Arts.....	8	7	Estate taxes.....		2
Employees' Compensation Commission.....	2,940	3,643	Franchise tax receipts (Federal reserve and Federal intermediate credit banks).....	1,232	618
Federal Board for Vocational Education.....	7,370	7,611	Forfeitures, gifts, etc.....	5,587	3,081
Federal Oil Conservation Board.....	9	8	Total.....	519,564	540,348
Federal Power Commission.....	31	48	Grand total all items.....	3,493,838	3,647,268
Federal Radio Commission.....	984	984	Less net increase in outstanding checks.....	330	2,250
Federal Reserve Board.....	2,512	2,051	Total expenditures chargeable against ordinary receipts.....	3,493,508	3,645,008
Federal Trade Commission.....	3,842	3,953	Public debt retirements chargeable against public debt receipts and surplus revenue.....	5,798,528	7,220,978
General Accounting Office.....	1,114	477	Postal expenditures, exclusive of postal deficiencies.....	687,365	693,676
Housing Corporation.....	18,609	17,148			
Interstate Commerce Commission.....	206	157			
Miscellaneous commissions, boards, etc.....	531	536			
National Advisory Committee for Aeronautics.....	1,293	22			
National Sesquicentennial Exhibition Commission.....	2,465	2,446			
Office of Public Buildings and Public Parks of the National Capital.....	854	937			
Smithsonian Institution and National Museum.....					

¹² Excess of credits, deduct.¹³ Exclusive of adjusted service certificate fund and Government life insurance fund investments.¹⁴ For investment of trust funds see "Special expenditures."¹⁵ Exclusive of operations in special accounts shown under "Special expenditures."¹⁶ Excess of expenditures and investments over current deposits.

Source: Annual Report of the Secretary of the Treasury.

No. 188.—ORDINARY RECEIPTS AND EXPENDITURES CHARGEABLE AGAINST
ORDINARY RECEIPTS; BY MONTHS

NOTE.—Figures are on the "current cash" basis shown by daily Treasury statements, unrevised; see general note, p. 169

[All figures in thousands of dollars]

Year and month	Ordinary receipts					Expenditures chargeable against ordinary receipts		
	Total	Customs	Income taxes	Miscellaneous internal revenue	Miscellaneous revenue	Total	Ordinary	Public debt retirements
1926:								
July.....	236,020	49,352	50,047	50,331	79,300	222,005	107,095	25,000
August.....	192,954	51,815	43,300	52,204	45,575	254,802	185,466	69,336
September.....	576,528	55,596	441,905	53,954	25,013	290,465	250,451	40,014
October.....	192,919	60,969	40,770	61,207	29,913	367,595	321,795	45,800
November.....	176,002	52,655	40,630	54,969	27,743	264,250	235,269	28,982
December.....	657,096	48,431	429,229	55,671	123,765	414,032	255,885	158,148
1927:								
January.....	169,533	44,695	40,336	52,247	32,305	304,254	303,022	1,232
February.....	165,735	43,379	46,260	43,281	32,815	158,506	158,506	(1)
March.....	659,116	52,753	516,535	53,001	30,827	330,329	270,111	60,218
April.....	190,380	51,253	53,280	52,897	32,979	310,511	310,478	34
May.....	170,370	45,615	47,206	53,451	24,098	213,028	213,008	20
June.....	742,691	48,938	474,535	55,117	164,051	363,726	272,944	90,781
July.....	173,970	50,481	33,171	60,239	30,079	203,579	194,779	8,800
August.....	202,182	52,082	39,695	51,026	58,478	259,181	213,150	46,032
September.....	590,192	54,410	446,005	52,389	37,388	237,442	267,442	20,000
October.....	221,205	56,617	34,577	49,160	80,851	413,220	341,232	71,988
November.....	149,633	47,600	30,515	49,442	22,065	400,330	203,318	203,512
December.....	652,708	43,113	439,960	48,938	120,697	354,178	256,180	97,998
1928:								
January.....	168,840	41,975	41,577	50,952	34,336	349,142	345,515	3,627
February.....	228,118	42,130	43,005	42,485	100,498	173,283	172,815	467
March.....	641,626	48,277	515,669	50,017	27,664	248,258	248,245	13
April.....	169,955	45,740	46,276	47,417	30,531	326,799	326,706	93
May.....	164,932	41,438	45,409	56,410	21,675	217,091	217,071	20
June.....	678,927	44,162	458,103	62,534	114,123	404,607	316,813	87,794
July.....	154,859	44,591	32,603	50,001	27,653	278,620	225,532	53,088
August.....	173,495	52,797	34,693	53,472	32,532	308,594	221,808	86,786
September.....	557,398	50,410	442,985	46,378	17,625	482,600	257,048	225,552
October.....	187,627	59,741	38,609	55,776	33,501	368,653	364,047	4,606
November.....	145,156	48,436	32,295	49,892	14,623	213,629	213,629	-----
December.....	649,105	46,803	431,702	47,017	123,683	334,010	286,926	47,084

¹ Less than \$500.

Source: Annual Report of the Secretary of the Treasury.

No. 189.—EXPENDITURES OF THE GOVERNMENT CHARGEABLE AGAINST

NOTE.—All figures in thousands of dollars. Figures are on the "cur-

	1916	1917	1918	1919
General expenditures, total ¹	692,526	999,955	6,693,908	11,747,271
Legislative establishment ²	13,808	15,092	15,826	17,000
Executive proper ^{2, 3}	502	1,280	9,063	17,467
State Department.....	6,307	6,169	9,893	20,708
Treasury Department ^{4, 5}	71,797	84,294	182,560	227,278
War Department.....	164,547	358,158	4,850,687	8,965,880
Department of Justice.....	10,539	10,566	12,965	15,717
Post Office Department ⁶	7,272	1,896	4,173	2,412
Navy Department.....	153,854	230,693	1,278,840	2,002,311
Interior Department ⁷	190,471	216,416	244,567	283,289
Department of Agriculture.....	27,970	20,547	42,870	89,245
Department of Commerce.....	11,438	11,690	12,834	15,530
Department of Labor.....	3,608	3,852	5,469	12,943
Veterans' Bureau ⁸				
Other independent offices and commissions ^{2, 4}	7,165	7,559	12,715	75,376
District of Columbia ¹¹	13,255	13,682	14,447	16,014
Unclassified items.....	-992	-150	+20,470	-395
Interest on public debt.....	22,901	24,743	189,743	610,216
Other special expenditures, total ¹	18,630	952,954	5,813,051	6,148,393
Refunds of receipts—				
Customs ⁹				
Internal revenue ⁹				
Postal deficiency ⁶				
Panama Canal.....	18,630	19,783	19,268	13,196
Payment for West Indian Islands.....		25,000		
Special accounts ¹² —				
Railroads.....			120,264	358,795
War Finance Corporation.....			44,929	302,622
Shipping Board.....		14,201	770,632	1,820,607
Alien property funds ³				
Grain Corporation.....				
Food and Fuel Administrations.....			54,860	87,338
Sugar Equalization Board.....				
Purchase of obligations of foreign governments.....		885,000	4,738,030	3,479,255
Purchase of Federal farm loan bonds.....			65,013	86,580
Subscription to stock, Federal land banks.....		8,880		
Adjusted service certificate fund.....				
Investment of trust funds—				
Government life insurance ³				
Civil service retirement ⁴				
District of Columbia teachers' retirement ¹¹				
Foreign service retirement.....				
General railroad contingent.....				
Total ordinary.....	734,056	1,977,682	12,696,702	18,514,880
Public debt retirements (chargeable against ordinary receipts) from—				
Sinking fund.....				
Debt repayments from foreign countries, including U. S. bonds.....				7,922
Estate taxes.....				93
Franchise taxes, Federal Reserve and Federal Intermediate credit banks.....			1,134	
Forfeitures, gifts, etc.....				
Total.....			1,134	8,015
Total expenditures chargeable against ordinary receipts.....	734,056	1,977,682	12,697,837	18,522,895

¹ Totals prior to 1922 are not comparable with later years because of changes in classification of general and special expenditures.

² In the fiscal years 1921, 1922, and 1923, material changes were made in classification of expenditures between legislative establishment, executive proper, and other independent offices and commissions.

³ Alien property funds included under executive proper prior to fiscal year 1922.

⁴ Payments for veterans' relief made prior to Aug. 11, 1921, by the War Risk Insurance Bureau are included under Treasury Department, while similar payments made prior to that date by the Federal Board for Vocational Education are under other independent offices and commissions.

⁵ Refunds of customs and internal revenue receipts and investments of Government life insurance fund included under Treasury Department prior to 1922.

⁶ Postal deficiency included under Post Office Department prior to 1922.

⁷ Post Office Department expenditures for 1921 include \$65,676,000 paid to the Railroad Administration. This resulted in a corresponding decrease in expenditures for Federal control of transportation.

⁸ Deduct, excess of credits.

⁹ Civil service retirement fund, established May, 1920, included under Interior Department prior to 1922.

ORDINARY RECEIPTS: BY MAJOR CLASSIFICATIONS, YEARS ENDED JUNE 30

rent cash" basis, according to daily Treasury statements, unrevised

1920	1921	1922	1923	1924	1925	1926	1927	1928
3,231,652	3,078,884	2,135,868	1,950,041	1,828,463	1,837,004	1,826,727	1,857,859	1,953,327
19,828	18,983	17,088	14,165	14,816	13,856	15,776	19,678	16,402
6,676	210	210	349	451	412	439	612	589
13,586	8,781	9,667	15,463	14,069	15,054	16,521	16,498	11,607
322,316	488,687	209,105	145,017	137,411	128,232	136,579	151,560	195,649
1,610,557	1,101,615	454,731	302,734	348,630	361,888	355,072	360,809	360,541
17,814	17,206	17,889	23,521	21,134	23,406	23,774	24,819	27,600
50,049	135,359	3,384	147	187	80	96	189	277
736,021	600,374	476,775	333,201	332,249	346,142	312,743	318,909	331,335
279,245	357,815	331,814	354,623	328,228	302,441	301,750	302,707	299,000
65,545	119,838	142,696	128,746	141,116	164,644	155,350	156,287	159,015
30,011	30,829	21,688	21,784	21,430	25,783	29,132	30,940	34,383
5,415	8,503	6,227	7,241	6,620	9,678	8,545	9,922	9,821
59,499	119,943	10,376,760	10,461,719	10,409,121	10,384,716	404,692	391,470	401,325
19,988	22,715	43,872	28,712	28,202	27,683	32,069	35,443	35,681
-4,400	-723	23,732	24,054	25,873	32,713	34,411	37,567	39,400
		-232	-1,436	-1,234	+347	-233	+449	-199
1,020,252	999,145	991,001	1,056,924	940,603	881,807	831,938	787,020	731,764
2,151,440	1,086,899	245,740	288,663	279,612	344,294	438,947	329,152	418,173
		37,124	28,737	20,567	22,021	27,745	20,321	21,857
		45,702	126,270	127,220	147,777	182,220	117,412	148,286
		64,346	32,527	12,630	23,217	39,506	27,263	32,800
11,366	16,461	3,025	4,317	8,387	0,098	9,018	8,305	10,449
¹³ 1,036,672	⁷ 730,712	¹⁴ 189,469	114,145	35,742	7,205	2,726	1,043	⁸ 680
¹⁶ 228,472	⁸ 28,028	94,428	⁸ 109,436	⁸ 52,540	⁸ 18,008	⁸ 18,691	⁸ 27,066	⁸ 3,819
530,566	130,723	87,206	57,024	85,491	30,305	23,043	19,011	34,832
		1,826	⁸ 1,368	⁸ 7,151	4,018	3,516	⁸ 406	⁸ 357
¹⁶ 350,328	¹⁰ 90,353	¹⁶ 32,000						
		⁸ 16,260	2,482					
421,337	73,897	718						
20,644	16,781							
					89,459	120,152	115,219	111,818
		24,509	26,672	30,410	31,092	38,290	47,316	61,702
		9,283	3,091	3,028	9,746	10,816	⁸ 425	109
		231	191	233	258	297	290	514
					83	100	87	81
				4,594	1,124	1,209	871	1,180
6,403,344	5,115,928	3,372,608	3,294,628	3,048,678	3,063,106	3,097,612	2,974,030	3,193,266
	261,100	276,046	284,019	295,987	306,308	317,092	333,528	354,741
72,670	73,939	64,838	100,893	149,388	159,180	169,654	179,216	181,804
3,141	26,349	21,085	6,599	8,897	48			2
2,922	60,725	60,338	10,815	3,635	794	568	1,232	618
13	109	393	555	93	208	63	5,578	3,090
78,746	422,282	422,695	402,850	458,000	466,538	487,376	519,555	540,255
6,482,090	5,536,209	3,795,302	3,697,478	3,508,678	3,529,643	3,584,988	3,493,585	3,643,520

¹⁰ In 1922 to 1925 additional allotments for veterans' relief are included under the Treasury, War, and Navy Departments, and in 1924 and 1925 also under the Interior Department. In 1922 these allotments amounted to \$31,746,000; in 1923, to \$10,706,000; in 1924, to \$6,411,000; and in 1925, to \$6,053,000.

¹¹ Teachers' retirement fund included under District of Columbia prior to 1922.

¹² Figures are net and allow for receipts and deposits credited to the account concerned.

¹³ Includes \$288,399,000 payments on certificates of indebtedness of Director General of Railroads.

¹⁴ Deduct, excess of credits resulting from receipts of \$269,637,000 from sale of equipment trust notes and \$123,783,000 from sale or collection of other securities acquired under the transportation act, 1920. In 1923 and 1924 receipts on these accounts were included under miscellaneous receipts.

¹⁵ Deduct, excess of credits from deposits by War Finance Corporation of proceeds of United States securities redeemed.

¹⁶ Includes \$350,000,000 in 1920, \$100,000,000 in 1921, and \$25,000,000 in 1922 applied by U. S. Grain Corporation to reduction of capital stock and reflected in miscellaneous receipts for those years; the 1921 figure represents net expenditures after taking into account credits.

Source: Annual Report of the Secretary of the Treasury.

No. 190.—APPROPRIATIONS BY CONGRESS FOR YEARS ENDED JUNE 30

NOTE.—All figures in thousands of dollars. Amounts shown for a specified year differ from the actual appropriations for that year, since the former include deficiency appropriations for prior years and exclude amounts for that year provided subsequently as deficiency appropriations

Branch	Number of Congress and fiscal year for which appropriated					
	64th and 65th, 1918	65th, 1919	65th and 66th, 1920	66th, 1921	66th and 67th, 1922	67th, 1923
Legislative.....	16,866	18,571	17,637	18,453	18,706	15,165
Executive Office.....	221	219	221	223	229	351
Independent offices.....	1,805,307	3,051,150	2,246,238	931,952	165,733	767,413
District of Columbia.....	15,688	16,937	17,203	20,749	23,175	26,652
Department of Agriculture.....	66,891	69,420	199,175	144,796	49,813	145,645
Department of Commerce.....	13,687	15,311	30,670	23,912	17,011	20,784
Department of the Interior.....	233,294	295,778	271,567	346,357	352,395	328,256
Department of Justice.....	12,016	14,975	18,377	16,176	17,680	20,676
Department of Labor.....	6,158	11,610	6,364	6,099	5,393	8,007
Navy Department.....	1,606,053	1,793,682	910,560	453,578	489,651	300,514
Post Office Department:						
Payable from Treasury ¹	1,987	1,995	38,000	3,164	4,339	554
Payable from postal revenues ²	335,696	385,712	412,528	523,468	701,424	572,528
Department of State.....	31,622	11,360	12,762	11,098	11,022	17,570
Treasury Department.....	7,336,096	3,418,098	317,090	432,152	359,328	243,845
Interest on the public debt.....	241,795	655,197	1,052,300	1,017,500	922,650	1,100,000
Sinking fund and debt retirements chargeable against ordinary receipts.....	60,748	288,890	(?)	287,500	265,755	330,089
War Department.....	7,592,813	16,993,819	870,465	494,975	459,050	359,592
Increase of compensation ³	15,000	25,000	30,760	35,000	35,000	-----
Total.....	18,881,040	27,065,149	6,454,697	4,780,830	3,909,282	4,248,141
Deduct amount payable from postal revenues ⁴	335,696	385,712	412,528	523,468	701,424	572,528
Net total.....	18,545,344	26,679,437	6,042,069	4,257,361	3,207,858	3,675,613
	67th, 1924	68th, 1925	68th, 1926	69th, 1927	69th, 1928	70th, 1929
Legislative.....	14,786	16,648	15,720	20,160	16,480	18,970
Executive Office.....	497	426	534	524	435	437
Independent offices.....	522,603	411,216	599,347	639,941	520,041	648,089
District of Columbia.....	26,638	27,907	40,209	38,469	38,920	41,641
Department of Agriculture.....	110,662	74,637	149,715	167,572	153,430	168,668
Department of Commerce.....	23,116	24,123	25,143	31,520	36,822	40,713
Department of the Interior.....	343,619	292,323	274,826	270,351	285,500	353,332
Department of Justice.....	23,846	24,227	28,104	27,200	20,432	29,049
Department of Labor.....	7,519	8,364	6,338	10,184	10,160	11,181
Navy Department.....	325,323	278,001	324,752	325,791	320,466	394,736
Post Office Department:						
Payable from Treasury ¹	442	173	244	32	18	67
Payable from postal revenues ²	596,909	629,109	651,256	842,420	755,364	776,975
Department of State.....	15,806	15,246	18,137	17,819	12,312	15,609
Treasury Department.....	270,612	269,355	340,915	339,207	345,269	455,474
Interest on the public debt.....	940,000	895,000	830,000	795,000	755,000	675,000
Sinking fund and debt retirements chargeable against ordinary receipts.....	507,011	471,866	484,766	515,583	503,630	541,942
War Department.....	355,211	341,340	364,025	307,336	370,429	466,795
Total.....	4,092,644	3,748,652	4,151,682	4,400,403	4,211,011	4,638,578
Deduct amount payable from postal revenues ⁴	596,909	629,109	651,256	842,420	755,364	776,975
Net total.....	3,495,635	3,119,463	3,500,426	3,557,983	3,455,647	3,861,603

¹ Figures cover only appropriations which have been specifically designated by Congress as payable from the Treasury and are exclusive of amounts which may be required under indefinite appropriations (payable from the Treasury) provided by law to supply deficiencies in the postal revenues. (See note 5.)

² Includes \$35,698,000 additional compensation, Postal Service.

³ Includes \$14,000,000 for deficit under Federal control of telegraph and telephone systems.

⁴ Includes \$11,053,000 certified claims.

⁵ These figures include amounts which may be required under indefinite appropriations (payable from the Treasury) to supply deficiencies, if any, in the postal revenues.

⁶ Includes \$125,000,000 of accumulated interest on war-savings certificates, series of 1918, to be paid during the fiscal year 1923 though properly allocable to the full five years of their life.

⁷ The sinking fund created by the act of Feb. 25, 1862, was repealed by the act of Mar. 3, 1919. The act of Mar. 3, 1919, created a cumulative sinking fund beginning with the fiscal year 1921.

⁸ In 1918 to 1922, indefinite appropriations, estimated. In 1923 and 1924, definite amounts were appropriated which are included under the several departments and establishments. In 1925 to 1928 this item was absorbed by rates of pay included under the classification act, approved Mar. 4, 1923.

Source: Annual Report of the Secretary of the Treasury.

No. 191.—INTERNAL REVENUE: AMOUNTS COLLECTED FROM PRINCIPAL SOURCES

NOTE.—All figures in thousands of dollars. The figures represent collections by internal revenue officers throughout the country, including deposits by postmasters of amounts received from sale of internal revenue stamps and deposits of internal revenue collected through customs offices, and, therefore, differ from those in Tables 182, 184, and 186 which represent the deposits of these collections in the Treasury or depositories during the fiscal year concerned, there being thus an overlapping of time. Certain items, included in the totals in the last column, are shown in detail in the second part of the table

Yearly average or year ended June 30—	Total	Spirits ¹	Fermented liquors ¹	To-bacco ¹	Income and profits ²	Legacies, inheritances, etc.	Manufactures and products ^{3,4}	Sales, (consumers' or dealers')	Stamps ⁵	Other ⁶
1863-1865	122,942	18,070	2,551	7,697	28,005	305	42,022	1,422	6,915	15,945
1866-1870	221,797	37,229	5,931	21,962	50,604	2,277	57,355	5,923	14,932	25,580
1871-1875	119,971	49,877	8,084	34,450	7,760	2,505	2,201	3,650	9,745	6,024
1876-1880	116,081	55,614	10,510	40,000	(?)		341		6,272	3,043
1881-1885	132,064	71,163	16,614	36,964	29		70		4,433	2,808
1886-1890	126,711	72,045	22,931	30,901			14		5	815
1891-1895	150,262	86,898	30,841	30,802	77		3		(?)	1,708
1896-1900	206,624	92,876	49,593	41,900		2,090	4		28,532	4,307
1901-1905	255,314	128,178	58,930	49,650		3,652	1		26,342	4,368
1906-1910	201,921	144,557	58,609	52,020	20,900	96				1,903
1911-1915	850,851	155,854	68,063	74,855	49,737	1059,799	109,406	29,806	23,456	3,641
1916-1920	2,855,761	226,293	98,352	169,553	1,984,473	1,984,473	158,725	25,780	41,187	217,661
1921-1925	3,158,975	142,400	17	301,176	2,121,913	126,415	158,725		59,995	322,543
1901	306,872	116,023	75,070	62,482	5,212		1		8,243	5,239
1902	271,868	121,138	71,989	51,938	4,843				13,443	8,517
1903	230,741	131,953	47,843	43,615	5,357					2,808
1904	232,904	135,810	49,083	44,656	2,072					1,282
1905	234,188	135,959	50,391	45,060	74					1,435
1906	249,103	143,394	55,942	48,423	142					1,502
1907	209,664	150,337	59,568	51,811	60					1,890
1908	251,000	140,159	59,808	49,863						1,837
1909	246,213	134,868	67,450	51,857						2,001
1910	289,957	148,029	69,572	53,118	20,960					2,277
1911	322,526	155,280	64,368	67,006	33,512					2,361
1912	321,610	156,391	63,289	70,590	28,583					2,782
1913	344,424	169,879	69,287	76,739	35,006					2,432
1914	380,000	159,098	67,032	79,687	71,381					2,461
1915	415,681	144,620	79,329	79,957	80,202				23,456	8,117
1916	512,723	158,982	89,771	88,064	124,937				42,106	10,072
1917	806,394	192,111	91,897	103,202	387,382	6,077			5,926	10,798
1918	3,698,956	317,554	126,286	156,189	2,852,325	47,453	36,670		21,877	140,704
1919	3,850,150	365,211	117,840	206,063	2,600,784	82,030	75,598	2,302	45,251	355,131
1920	5,407,550	97,965	41,966	295,809	3,956,936	103,636	216,230	45,310	87,087	562,100
1921	4,595,367	82,608	25	255,219	3,228,138	154,043	177,802	45,795	75,065	576,071
1922	3,197,451	114,563	46	270,759	2,086,918	120,410	143,042	28,120	58,225	424,440
1923	2,621,745	113,954	4	309,015	1,691,090	126,705	163,931	21,135	61,490	217,670
1924	2,706,170	127,580	5	325,639	1,841,769	102,967	177,532	23,300	58,526	238,781
1925	2,684,140	112,903	2	345,247	1,701,650	109,040	130,382	10,495	46,068	155,444
1926	2,896,000	126,436	16	370,666	1,974,104	111,219	142,493	7,728	40,801	145,540
1927	2,865,683	112,195	1	376,170	2,219,952	100,340	60,850		32,003	48,572
1928	2,790,536	115,807	(?)	396,450	2,174,573	60,087	51,952		43,818	48,347

Year	Transportation, telegraph, etc.	Beverages (non-alcoholic), etc.	Corporation capital stock	Theater admissions, etc.	Year	Transportation, telegraph, etc.	Beverages (non-alcoholic), etc.	Corporation capital stock	Theater admissions, etc.
1917			10,472		1923	30,381	10,132	81,568	70,175
1918	70,737	2,215	24,996	20,357	1924	34,062	10,419	87,472	77,718
1919	237,840	7,182	28,776	50,920	1925			90,003	30,908
1920	289,348	87,461	93,020	76,721	1926			97,386	23,051
1921	301,512	58,678	81,526	89,731	1927			8,979	17,941
1922	198,700	33,504	80,612	73,385	1928			8,680	17,725

¹Including special taxes relating to manufacture and sale.
²Including receipts from excise tax on corporations for the years 1910 to 1914, and munition manufacturers' tax for 1917 and 1918.
³Including receipts from the tax on raw cotton from 1863 to 1878.
⁴Including sales by postmasters of documentary stamps beginning with 1918.
⁵The totals in this column for the years 1917 to 1928 include items shown in detail in second part of table.
⁶Figures for one year only.
⁷Less than \$600.
⁸Average for two years.
⁹Average for three years.
¹⁰Average for four years.
¹¹Consists chiefly of tax on distilled spirits (nonbeverage).
¹²Includes excise tax on perfumes, cosmetics, and medicinal articles amounting to \$2,305,000.
¹³Includes gift tax amounting to \$7,518,000 in 1925 and \$3,175,000 in 1926.

Source: Annual Report of the Secretary of the Treasury.

No. 192.—INTERNAL REVENUE: RECEIPTS FROM EACH SPECIFIC SOURCE

NOTE.—All figures in thousands of dollars. Data are for years ended June 30. See also headnote, Table 191

	1923	1924	1925	1926	1927	1928
Grand total.....	2,621,746	2,796,179	2,584,140	2,836,000	2,865,683	2,790,536
Income and profits ¹	1,691,090	1,841,769	1,761,659	1,974,104	2,219,952	2,174,573
Corporation ²			916,233	1,094,980	1,308,013	1,201,846
Individual.....			845,426	879,124	911,940	882,727
Estates of decedents.....	126,705	102,967	101,422	116,041	100,840	60,097
Gifts: Transfer of property by gift.....			7,518	3,175		
Distilled spirits.....	30,354	27,580	25,909	26,436	21,195	15,307
Distilled spirits (nonbeverage).....	27,710	24,825	23,179	23,752	18,757	13,009
Distilled spirits (beverage) and rectified spirits or wines.....	100	81	15	55	16	14
Still or sparkling wines, cordials, etc.....	1,532	1,464	1,695	1,679	796	893
Grape brandy used in fortifying sweet wines.....	377	665	475	322	401	201
Miscellaneous collections.....	634	605	689	627	1,225	590
Fermented liquors.....	4	5	2	18	1	(³)
Tobacco.....	309,015	325,639	345,247	370,666	376,170	396,450
Cigars (large).....	47,273	45,205	43,347	38,319	23,545	22,870
Cigars (small).....	865	756	731	533	353	301
Cigarettes (large).....	131	126	110	127	87	76
Cigarettes (small).....	182,585	203,651	225,033	254,325	278,929	301,753
Snuff.....	7,175	7,005	6,754	6,918	6,908	7,461
Tobacco, chewing and smoking.....	68,853	66,700	66,922	67,711	65,070	62,775
Cigarette papers and tubes.....	1,096	1,029	1,189	1,061	1,170	1,124
Manufacturers (special taxes).....	1,005	1,137	1,126	1,132		
Miscellaneous collections.....	28	28	36	41	109	81
Revenue acts of 1921, 1924, and 1926.....	458,415	490,277	326,607	341,181	142,327	138,232
Documentary stamps, etc.—						
Sales by postmasters.....	11,843	12,418	7,738	7,881	35	2
Bonds of indebtedness, capital-stock issues, etc.....	32,760	30,613	20,125	20,600	13,009	15,559
Capital-stock sales or transfers.....	9,872	7,937	12,809	17,137	16,674	24,209
Sales of produce (future deliveries).....	7,015	7,558	5,307	4,183	2,885	4,048
Playing cards.....	3,355	3,732	3,183	4,213	4,742	5,011
Telegraph, telephone, radio messages, leased wires, etc.....	30,380	34,663				
Excise taxes—						
Automobile trucks.....	10,670	11,511	7,808	6,817		
Other automobiles and motor cycles.....	92,737	112,871	94,142	113,133	66,438	51,623
Tires, parts, or accessories for automobiles, etc.....	40,875	33,634	22,737	18,205		
Pistols and revolvers.....				51	193	169
Other firearms, shells, etc.....	4,330	3,370	3,664	2,567		
Jewelry, clocks, watches, opera glasses, etc.....	20,298	22,634	9,673	7,308		
Cereal beverages ⁴	\$ 10,132	\$ 10,419		54	190	139
Miscellaneous.....	16,145	16,853	2,829	2,063		
Opium, coca leaves, including special taxes, etc.....	1,013	1,057	1,091	982	708	690
Corporations, on value of capital stock.....	81,568	87,472	90,003	97,856	48,970	48,689
Other special taxes.....	8,034	7,815	5,812	4,648	8	10
Admissions to theaters, concerts, cabarets, etc.....	70,175	77,713	30,908	23,081	17,941	17,725
Dues of clubs.....	7,171	8,010	8,691	10,074	10,436	10,353
Miscellaneous:						
Adulterated, process or renovated butter, filled cheese, and mixed flour.....	53	49	25	22	21	15
Oleomargarine.....	2,255	2,814	3,039	3,070	3,164	3,408
Collections under prohibition laws.....	720	855	561	416	503	625
Collections through customs offices and other miscellaneous receipts ⁵	3,125	4,233	12,157	871	2,010	1,537

¹ Includes income tax on Alaska railroads (act of July 18, 1914); also includes in 1923 payments of the third and fourth installments of the profits tax for the calendar year 1921.

² Less than \$500.

³ Beverages (nonalcoholic), including soft drinks, mineral waters, etc., in 1923 and 1924.

⁴ Tax due prior to July 1, 1923.

⁵ Consists chiefly of delinquent taxes collected under repealed laws.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 198.—INTERNAL REVENUE: RECEIPTS BY STATES, YEARS ENDED JUNE 30

NOTE.—The internal revenue, especially the miscellaneous revenue, collected in a given State may bear little relation to the amount of taxes ultimately falling upon the people living in that State

[All figures in thousands of dollars]

Division and State	Income taxes				Miscellaneous internal revenue			
	1925	1926	1927	1928	1925	1926	1927	1928
Total.....	1,781,659	1,974,104	2,219,962	2,174,573	822,481	801,898	645,731	616,802
New England.....	154,150	187,744	186,201	180,036	34,801	30,845	15,157	11,033
Maine.....	7,683	8,591	8,564	8,086	1,243	1,102	1,002	383
New Hampshire.....	3,222	3,011	3,007	3,246	1,237	1,113	496	749
Vermont.....	3,002	2,063	2,656	2,221	330	740	164	82
Massachusetts.....	99,444	100,017	105,269	98,530	19,405	23,830	9,481	6,888
Rhode Island.....	14,234	14,461	12,905	13,672	2,131	2,435	803	1,108
Connecticut.....	26,506	29,001	33,800	34,381	10,386	6,535	2,311	1,733
Middle Atlantic.....	759,011	837,159	953,518	946,498	233,967	281,265	174,990	159,039
New York.....	496,710	609,605	649,200	646,604	161,876	164,224	105,780	106,581
New Jersey.....	66,137	72,252	81,301	82,056	44,063	40,119	32,662	22,646
Pennsylvania.....	189,164	195,306	222,919	216,988	37,428	36,922	35,848	29,805
East North Central.....	406,210	462,075	618,347	614,120	208,452	215,283	121,415	104,411
Ohio.....	95,626	109,071	117,649	118,764	46,971	46,685	29,782	25,923
Indiana.....	23,703	24,923	28,406	27,246	14,744	14,715	7,709	7,449
Illinois.....	159,416	178,861	194,971	201,135	42,416	38,859	22,408	20,885
Michigan.....	100,868	122,570	141,630	128,434	94,858	103,059	56,360	45,495
Wisconsin.....	26,698	28,650	35,682	43,492	9,493	10,945	5,156	4,659
West North Central.....	97,960	112,471	120,760	114,940	32,027	30,335	18,659	16,845
Minnesota.....	22,427	28,384	26,219	26,195	5,656	6,514	2,224	1,740
Iowa.....	10,717	11,112	11,728	11,310	2,837	2,840	941	672
Missouri.....	42,468	49,603	55,903	51,979	18,094	18,225	14,302	13,106
North Dakota.....	668	778	740	748	257	240	58	40
South Dakota.....	859	859	737	679	340	257	86	67
Nebraska.....	5,681	6,173	5,898	5,333	1,804	1,286	370	400
Kansas.....	16,141	16,568	19,627	18,686	2,239	1,873	658	621
South Atlantic.....	117,900	148,188	168,817	164,698	210,620	242,185	263,269	281,284
Delaware.....	6,564	9,640	14,319	20,011	1,753	2,092	1,056	1,006
District of Columbia.....	12,451	15,191	16,020	16,361	1,950	1,875	2,207	825
Maryland.....	25,111	25,646	29,627	28,254	5,949	4,824	2,852	3,057
Virginia.....	16,804	17,627	20,781	21,891	33,324	42,959	58,380	61,804
West Virginia.....	12,044	11,654	16,750	13,352	4,481	8,975	2,606	2,530
North Carolina.....	16,878	17,078	19,205	20,351	151,085	174,726	186,417	204,964
South Carolina.....	5,783	4,176	3,826	3,737	838	721	250	161
Georgia.....	12,614	12,437	13,699	13,550	2,687	1,795	673	633
Florida.....	12,119	33,980	35,690	17,181	8,705	9,218	8,893	6,304
East South Central.....	37,998	37,940	43,764	39,203	20,744	19,685	16,172	14,052
Kentucky.....	14,325	14,630	16,258	15,001	13,889	12,206	11,423	9,010
Tennessee.....	11,770	11,398	13,723	13,351	5,176	5,860	4,089	4,485
Alabama.....	8,288	8,276	10,458	8,178	1,152	1,179	525	470
Mississippi.....	3,483	3,527	3,325	2,674	627	440	135	87
West South Central.....	55,795	69,843	86,670	82,261	13,075	12,672	4,645	4,149
Louisiana.....	12,306	12,583	15,399	12,181	4,836	3,765	2,083	2,034
Texas.....	28,886	36,879	42,064	45,659	5,785	6,000	1,995	1,673
Oklahoma.....	9,820	16,789	23,287	20,188	1,801	2,265	362	327
Arkansas.....	4,693	4,892	5,063	4,224	649	542	205	108
Mountain.....	22,501	22,561	24,892	24,268	4,331	11,720	3,199	1,184
Montana.....	1,885	1,068	2,376	2,825	504	7,133	1,955	154
Wyoming.....	1,450	1,365	1,830	2,057	240	221	55	117
Colorado.....	11,741	11,976	12,667	11,458	2,474	2,855	817	420
New Mexico.....	733	635	658	772	121	104	22	17
Arizona.....	1,417	1,574	1,673	1,737	291	409	64	183
Utah.....	3,886	3,463	3,769	3,663	761	601	154	108
Nevada.....	462	451	501	600	196	135	83	113
Idaho.....	1,437	1,129	1,428	1,071	312	262	49	73
Pacific.....	112,003	120,269	131,669	132,408	32,899	36,486	28,366	23,658
Washington.....	12,334	12,157	13,192	12,156	2,608	2,047	662	583
Oregon.....	6,784	6,399	6,198	5,815	1,440	1,001	514	294
California.....	92,885	101,713	112,309	114,437	28,893	33,347	27,180	22,781
Philippine Islands.....					819	789	377	388
Hawaii.....	5,067	6,061	5,144	6,112	683	736	187	132
Alaska.....	194	161	143	149	24	17	4	1

Source: Annual Report of the Commissioner of Internal Revenue.

No. 194.—PERSONAL AND CORPORATION TAX RETURNS: SUMMARY

NOTE.—Under the various revenue laws the following individuals were required to file personal returns: In 1913 to 1916, those with net income of \$3,000 and over; 1917 to 1924, \$1,000 and over; 1925 and 1926, \$1,500 and over; or in the case of married persons living with husband or wife filing a joint return, \$2,000 in 1917 to 1923, \$2,500 in 1924, and \$3,500 in 1925 and 1926. All income tax data include Alaska and Hawaii

Calendar year	Number of returns			Net income		Tax yield				
	Personal	Corporation		Personal	Corporation	Personal			Corporation	
		Reporting net income	Reporting no net income			Total	Normal	Surtax	Income tax	War and excess profits
					Millions of dollars		Thousands of dollars			
1913	357,598	188,866	128,043	1,900	4,714	28,254	12,728	15,525	43,128	
1914	357,515	174,205	125,240	4,000	3,940	41,046	16,559	24,487	39,145	
1915	336,652	190,911	175,632	4,600	5,310	67,944	23,996	43,948	66,994	
1916	437,036	206,954	134,269	6,298	8,786	173,887	51,441	121,946	171,805	
1917 ¹	3,472,890	232,070	119,347	13,652	10,730	991,493	159,897	534,596	503,098	1,638,748
1918	4,425,114	202,061	115,518	15,925	8,362	1,127,722	476,433	651,289	683,193	2,505,566
1919	5,332,760	209,634	110,564	19,860	9,411	1,269,630	498,105	801,525	743,536	1,431,806
1920	7,259,944	203,233	142,362	23,736	7,963	1,075,654	478,250	596,804	630,508	988,726
1921	6,662,176	171,239	185,158	19,577	4,386	719,387	308,059	411,328	306,444	335,132
1922	6,787,481	212,535	170,348	21,336	6,964	861,067	355,410	474,581	775,310	2,466
1923	7,998,321	233,330	165,894	25,778	8,322	661,666	283,791	348,689	697,107	
1924	7,369,788	236,359	181,032	25,656	7,687	704,265	267,795	437,540	881,550	
1925	4,171,051	252,334	177,738	21,895	9,584	734,655	216,300	482,853	1,170,351	
1926	4,138,092	258,134	197,186	21,969	9,673	732,471	200,509	448,880	1,229,797	

¹ Determined on the basis of the number of returns filed and the average net income in each class.

² Includes excise tax, \$10,671,000, under act of Aug. 5, 1900.

³ Figures for 1915 contain approximately 30,000 returns which properly belong in 1914.

⁴ In addition to the personal and corporation taxes shown for 1917 there was a war and excess-profits tax on partnerships amounting to \$103,888,000.

⁵ Includes war and excess-profits tax, \$101,250,000.

⁶ Includes tax on capital net gain from sale of assets held for more than 2 years. In 1924 to 1926 figures represent net tax after deducting tax credits of 12½ per cent on capital net loss from sale of assets held over 2 years and 25 per cent on earned net income.

Source: Statistics of Income, Report of Commissioner of Internal Revenue.

No. 195.—PERSONAL AND CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1926

State or Territory	Number of returns		Net income in thousands of dollars		Tax in thousands of dollars			Total tax, per cent of total United States
	Personal	Corporation	Personal	Corporation	Personal	Corporation	Total	
Total	4,138,092	455,320	21,958,506	9,673,403	732,471	1,229,797	1,962,268	100.00
Alabama	28,540	4,133	136,523	40,662	2,449	4,851	7,310	.37
Alaska	(1)	156	(1)	674	(1)	66	66	.01
Arizona	10,509	1,505	41,717	8,313	499	1,011	1,510	.08
Arkansas	19,363	2,634	84,661	18,697	1,481	2,123	3,604	.18
California	315,344	21,258	1,571,674	426,830	46,238	54,319	100,557	5.13
Colorado	35,110	6,580	154,805	62,872	2,959	7,812	10,771	.55
Connecticut	81,449	6,280	439,777	124,029	15,751	15,646	29,397	1.50
Delaware	9,301	1,483	70,544	82,890	5,101	10,815	15,916	.81
District of Columbia	40,024	1,888	108,056	65,987	6,527	8,071	14,198	.72
Florida	56,109	10,853	322,001	82,638	10,416	9,625	20,041	1.02
Georgia	36,744	5,281	171,146	61,824	2,888	7,564	10,452	.53
Hawaii	9,146	693	42,960	25,849	1,066	3,366	4,492	.23
Idaho	11,617	2,292	39,388	7,707	184	837	1,021	.05
Illinois	374,725	28,340	1,995,011	901,782	64,214	116,559	180,773	9.21
Indiana	77,126	11,080	358,625	129,344	9,965	15,748	25,683	1.31
Iowa	40,476	8,843	203,015	56,751	2,918	6,586	9,504	.49
Kansas	32,732	5,280	153,073	131,459	2,756	17,017	19,773	1.01
Kentucky	32,821	6,479	169,101	77,203	3,226	9,612	12,838	.65
Louisiana	38,996	5,657	185,479	62,407	3,312	7,564	10,866	.55
Maine	19,709	3,443	107,979	32,529	3,420	3,909	7,329	.37
Maryland	67,160	5,621	374,750	118,166	11,617	14,934	26,451	1.35
Massachusetts	224,042	17,639	1,147,679	382,932	37,110	48,500	85,616	4.36
Michigan	176,804	13,553	905,815	672,422	32,408	88,189	120,591	6.15
Minnesota	64,227	10,965	296,414	130,212	6,475	16,155	22,630	1.15
Mississippi	17,196	2,113	64,860	13,166	644	1,435	2,079	.11

¹ Included with Washington.

No. 195.—PERSONAL AND CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1926—Continued

State or Territory	Number of returns		Net income in thousands of dollars		Tax in thousands of dollars			Total tax, per cent of total United States
	Personal	Corporation	Personal	Corporation	Personal	Corporation	Total	
Missouri.....	99,509	16,145	512,801	267,510	13,497	33,948	47,445	2.42
Montana.....	16,191	3,866	59,290	13,937	562	1,519	2,081	.11
Nebraska.....	33,532	4,694	134,154	27,498	1,881	3,122	4,503	.23
Nevada.....	4,797	969	16,796	2,881	196	316	512	.03
New Hampshire.....	15,276	1,183	60,744	9,293	1,201	1,065	2,266	.12
New Jersey.....	176,320	17,480	1,032,298	342,000	32,888	42,830	75,688	3.86
New Mexico.....	6,513	1,108	24,632	8,708	223	396	623	.03
New York.....	753,044	80,617	4,984,020	2,770,885	247,164	356,409	603,573	30.76
North Carolina.....	35,332	6,450	153,232	102,879	3,398	13,017	16,416	.84
North Dakota.....	9,881	3,445	33,169	6,574	180	422	602	.03
Ohio.....	231,196	23,475	1,146,496	530,119	32,830	66,541	99,380	5.07
Oklahoma.....	37,497	5,835	223,037	84,301	8,135	10,327	18,462	.94
Oregon.....	30,955	6,144	135,030	26,867	2,175	2,995	5,170	.26
Pennsylvania.....	397,575	24,173	2,138,169	941,810	76,887	122,361	199,248	10.15
Rhode Island.....	26,362	2,566	155,051	43,396	5,546	5,477	11,023	.56
South Carolina.....	13,809	3,822	53,060	15,325	420	1,093	2,113	.11
South Dakota.....	12,414	2,872	38,153	3,437	209	257	466	.02
Tennessee.....	85,495	4,955	175,714	66,927	3,652	8,177	11,829	.60
Texas.....	111,438	11,070	547,562	199,524	12,682	24,868	37,546	1.91
Utah.....	13,658	3,083	53,832	18,566	629	2,183	2,812	.14
Vermont.....	8,646	1,006	42,200	10,429	821	1,230	2,051	.10
Virginia.....	37,797	6,358	176,025	135,859	3,495	17,284	20,779	1.06
Washington.....	61,950	10,748	245,592	63,800	2,801	7,286	10,087	.51
West Virginia.....	32,544	5,142	141,307	70,152	2,304	9,415	11,719	.60
Wisconsin.....	99,251	13,527	407,043	187,044	8,418	23,193	31,611	1.61
Wyoming.....	8,930	1,418	31,751	5,233	203	534	797	.04

² Includes Alaska.

No. 196.—GROSS RECEIPTS OF CORPORATIONS: BY INDUSTRIAL GROUPS

NOTE.—Gross receipts are from all sources (except interest on Federal, State, and municipal bonds and, in 1920 and 1921, also dividends on, capital stock of domestic corporations), sales being given on gross basis. Data are not comparable with "total income" of individuals shown in other tables. See also Table 198

[In millions of dollars]

Industrial group	1920	1921	1922	1923	1924	1925	1926
Total.....	118,206	91,249	100,921	118,564	119,280	184,280	142,129
Agriculture and related industries.....	725	676	705	774	810	794	874
Mining and quarrying.....	6,151	3,880	3,095	4,803	4,849	4,925	4,548
Manufacturing, total.....	56,049	38,442	44,983	56,221	53,911	60,830	62,495
Foods, beverages, and tobacco.....	12,285	8,270	8,865	10,078	11,847	13,400	13,475
Textiles and textile products.....	8,205	5,086	6,795	7,857	7,189	7,717	7,753
Leather and leather products.....	1,894	1,418	1,464	1,597	1,507	1,515	1,661
Rubber and rubber goods.....	1,038	638	943	1,079	1,122	1,469	1,600
Lumber and wood products.....	3,312	1,847	2,402	2,975	2,835	2,968	3,069
Paper, pulp, and products.....	1,709	1,004	1,162	1,444	1,364	1,491	1,652
Printing and publishing.....	1,761	1,722	1,847	1,985	2,166	2,282	2,547
Chemicals and allied substances.....	5,565	3,379	5,711	6,108	5,890	7,095	5,909
Stone, clay, and glass products.....	1,316	954	1,172	1,304	1,383	1,562	1,695
Metals and metal products.....	15,104	9,805	9,976	16,601	15,939	19,110	18,454
All other manufacturing.....	4,369	3,220	4,345	5,133	2,668	2,311	2,527
Construction.....	2,238	1,773	1,766	2,224	2,210	2,305	2,810
Transportation and public utilities ¹	9,153	9,001	9,754	10,527	10,176	11,881	14,764
Trade.....	31,513	27,344	28,677	32,274	35,116	39,847	40,038
Public service.....	1,953	1,755	2,216	2,410	2,632	2,839	3,300
Finance, banking, insurance, etc.....	8,300	7,551	8,932	8,464	9,072	10,517	12,300
Predominant branch not ascertainable.....	1,133	818	491	790	454	322	-----
Nominal concerns.....	231	(²)	(²)	(²)	(²)	-----	45

¹ Gross receipts incomplete due to the fact that railroads and other public utility corporations to a large extent report merely net income.

² Less than \$500,000.

No. 197.—CORPORATION DIVIDENDS: AS REPORTED IN CORPORATION TAX RETURNS

[All figures in millions and tenths of millions of dollars]

Industrial group	1923		1924		1925		1926	
	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends
Total.....	4,189.1	891.3	4,338.8	510.5	5,189.5	544.4	5,945.3	757.0
Agriculture and related industries.....	27.5	6.9	27.9	1.8	30.9	4.1	32.3	1.6
Mining and quarrying.....	300.0	42.0	255.3	11.6	335.1	3.9	402.7	19.5
Manufacturing, total.....	2,005.0	480.6	1,893.0	200.1	2,223.8	267.4	2,544.2	468.4
Foods, beverages, and tobacco.....	251.2	54.1	273.2	25.2	312.2	72.1	327.2	41.1
Textiles and textile products.....	218.6	87.6	183.0	27.9	185.2	20.8	185.3	25.5
Leather and leather products.....	36.2	12.8	30.3	4.9	38.8	10.0	33.3	10.2
Rubber and rubber goods.....	15.7	2.3	16.0	1.2	33.1	1.2	41.3	1.2
Lumber and wood products.....	127.0	56.0	105.2	22.3	119.7	13.7	124.3	15.1
Paper, pulp, and products.....	60.3	10.2	39.2	3.8	64.3	8.6	56.2	6.1
Printing and publishing.....	74.6	8.5	81.0	19.0	99.6	14.4	121.9	6.8
Chemicals and allied substances.....	381.2	32.9	342.2	14.3	477.7	28.7	544.3	91.6
Stone, clay, and glass products.....	59.8	37.7	66.0	10.8	79.1	29.2	101.5	13.7
Metals and metal products.....	573.6	127.4	658.8	100.7	714.0	60.3	889.9	239.6
All other manufacturing.....	207.1	51.1	87.5	12.1	99.2	7.5	110.0	12.6
Construction.....	45.6	18.2	38.0	6.1	70.0	11.6	55.3	10.1
Transportation and public utilities.....	662.7	75.1	925.0	64.3	1,004.8	77.2	1,276.7	68.7
Trade.....	393.9	164.8	418.8	94.5	506.3	90.5	525.3	80.2
Public service.....	76.0	18.5	85.1	10.6	107.9	9.5	125.2	12.9
Finance—banking, insurance, etc.....	632.9	79.7	694.2	58.5	896.8	78.6	978.6	100.5
Predominant branch not ascertainable.....	23.1	5.6	11.5	2.9	11.8	1.7	.....	.....
Nominal concerns.....	(1)	.....	.1	.....	(1)	(1)	4.9	1.3

1 Less than \$50,000.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 198.—CORPORATION INCOME TAX RETURNS: SOURCES OF INCOME AND NATURE OF DEDUCTIONS, TOTALS 1923 TO 1926, AND BY CLASSES OF CORPORATIONS, 1926

[all figures in millions or millions and tenths of millions of dollars]

	Aggregate				Manufacturing			
	1923	1924	1925	1926	Total	Food	Textiles	Leather
Receipts, total.....	119,020	119,747	134,780	142,699	62,584	13,484.4	7,769.8	1,662.2
Gross sales.....	96,685	97,298	106,832	106,206	50,863	13,190.4	7,592.0	1,629.7
Gross profits from sales ¹	22,980	21,407	28,117	23,723	14,811	2,375.1	1,529.3	234.8
Miscellaneous income.....	21,008	21,017	25,253	34,417	2,204	223.4	151.3	30.0
Not subject to tax—								
Dividends of other domestic corporations.....	870	915	1,176	1,505	428	53.2	8.6	1.6
Interest on Federal, State, and municipal bonds.....	456	517	520	500	89	8.4	11.0	.9
Disbursements, total.....	111,966	112,959	125,494	133,119	58,359	12,925.7	7,094.7	1,613.3
Cost of goods sold.....	73,705	75,891	84,716	82,454	45,051	10,824.3	6,263.6	1,344.0
Interest paid.....	3,278	3,446	3,617	3,989	657	132.3	76.1	13.0
Depreciation, amortization, and depletion.....	3,116	3,187	3,330	3,841	1,757	190.1	141.6	18.5
Miscellaneous expense.....	31,287	30,429	33,801	42,805	894	1,770.0	1,143.4	236.9
Net profits.....	7,634	6,795	9,316	9,510	4,225	558.7	139.1	48.9
Deduct tax-exempt items (above).....	1,326	1,432	1,605	2,005	517	61.6	19.6	2.5
Net income.....	6,308	5,363	7,621	7,505	3,708	497.1	119.5	46.4
Deduct prior year loss.....	578	220	243	236	97	9.5	2.8	2.8
Net income, deducting prior year loss.....	5,730	5,143	7,378	7,269	3,611	487.6	109.7	43.6
Total tax.....	937	882	1,170	1,230	585	77.1	39.8	9.4

1 Difference between gross sales and cost of goods shown below.

No. 198.—CORPORATION INCOME TAX RETURNS: SOURCES OF INCOME AND NATURE OF DEDUCTIONS, TOTALS, 1923 TO 1926, AND BY CLASSES OF CORPORATIONS, 1926—Continued

[All figures in millions or millions and tenths of millions of dollars]

	Manufacturing—Continued							
	Rubber	Lumber	Paper	Printing	Chemicals	Stone, etc.	Metal	All other
Receipts, total.....	1,800.7	3,071.9	1,653.8	2,569.6	8,103.0	1,668.5	18,492.9	2,599.7
Gross sales.....	1,533.5	2,938.0	1,605.7	2,014.2	7,332.9	1,618.9	17,992.7	2,427.7
<i>Gross profits from sales</i> ¹	233.9	633.0	412.3	752.3	2,433.7	537.1	4,285.4	761.9
Miscellaneous income.....	30.7	120.9	38.0	508.1	558.8	40.9	424.5	77.8
Not subject to tax—								
Dividends of other domestic corporations.....	36.1	9.9	8.5	25.2	108.7	5.1	50.6	21.1
Interest on Federal, State, and municipal bonds.....	.4	3.1	1.6	5.1	12.6	3.6	30.1	8.1
Disbursements, total.....	1,551.5	2,955.1	1,537.6	2,349.8	7,176.8	1,486.7	16,733.4	2,355.3
Cost of goods sold.....	1,249.7	2,254.9	1,186.4	1,280.8	4,894.8	1,081.7	12,974.3	1,695.7
Interest paid.....	29.4	49.4	28.1	24.5	92.4	15.9	174.1	21.5
Depreciation, amortization, and depletion.....	30.2	135.3	55.2	54.4	485.6	66.5	520.1	50.7
Miscellaneous expense.....	242.2	515.5	267.9	990.1	1,703.0	322.6	3,114.9	587.4
Net profits.....	49.2	116.8	118.2	202.8	927.2	181.8	1,708.5	174.4
Deduct tax-exempt items (above).....	36.5	13.0	10.1	30.3	211.3	8.7	98.6	24.2
Net income.....	12.7	103.8	106.1	172.5	715.9	173.1	1,610.9	150.2
Deduct prior year loss.....	.8	5.5	8.5	3.8	18.9	2.4	30.5	9.6
Net income deducting prior year loss.....	11.9	98.3	102.6	168.7	697.0	170.7	1,580.4	140.6
Total tax.....	4.9	21.9	15.6	25.9	102.9	25.5	237.1	24.3

	Agriculture	Mining	Construction	Transportation and public utilities	Trade	Public service	Finance	Nominal concerns
Receipts, total.....	865.4	4,561.5	2,819.2	14,791.5	40,950.5	3,362.5	12,649.9	45.2
Gross sales.....	714.4	3,837.8	2,839.1	13,402.6	39,402.6	3,362.5	12,649.9	45.2
<i>Gross profits from sales</i> ¹	250.4	1,224.2	431.3	7,005.2	7,005.2	3,340.5	211,833.7	44.0
Miscellaneous income.....	141.1	633.9	414.9	14,310.8	1,480.8	3,340.5	211,833.7	44.0
Not subject to tax—								
Dividends of other domestic corporations.....	7.0	76.0	12.1	447.5	54.2	19.8	461.0	1.0
Interest on Federal, State, and municipal bonds.....	.9	13.8	3.1	27.2	12.9	2.2	350.2	.2
Disbursements, total.....	542.2	4,199.4	2,695.0	12,713.5	40,048.8	3,183.2	11,029.8	47.6
Cost of goods sold.....	464.0	2,613.0	1,957.7	1,206.8	32,397.4	3,183.2	11,029.8	47.6
Interest paid.....	30.5	96.6	31.7	1,206.8	245.5	30.4	1,018.3	1.9
Depreciation, amortization, and depletion.....	45.5	507.6	55.4	744.8	246.1	231.0	252.7	1.0
Miscellaneous expense.....	302.2	931.6	650.2	10,741.9	7,159.8	2,371.8	2,158.8	44.7
Net profits.....	23.2	362.1	124.1	2,077.9	901.6	179.3	1,620.1	2.5
Deduct tax-exempt items (above).....	8.0	39.8	15.2	474.7	67.1	22.1	811.2	1.2
Net income.....	15.2	272.3	108.9	1,603.2	834.6	157.2	808.9	3.7
Deduct prior year loss.....	4.9	25.5	9.2	15.7	34.6	11.2	37.3	.3
Net income deducting prior year loss.....	10.3	246.8	99.7	1,587.5	799.9	146.0	771.6	4.9
Total tax.....	8.2	57.3	19.1	233.7	140.5	31.0	180.2	.2

¹ Difference between gross sales and cost of goods shown below.
² Includes for a limited number of returns the cost of securities purchased for customers.
³ Includes special nonexpense deductions of life insurance companies.
⁴ Deficit.

Source: Statistics of Income, Report of the Commission of Internal Revenue, Treasury Department.

No. 199.—CORPORATION INCOME TAX RETURNS: CORPORATIONS DISTRIBUTED ACCORDING TO SIZE OF NET INCOME, BY INDUSTRIAL GROUPS

[All money figures in thousands of dollars]

ALL CONCERNS

Income class	Number	Net income	Number	Net income	Number	Net income	Number	Net income
	1922 ¹		1923 ¹		1924 ¹		1925 ¹	
Reporting net income.....	212,535	6,963,811	233,339	8,321,529	236,389	7,586,652	252,334	9,583,694
Less than \$10,000.....	160,548	368,829	175,111	440,400	180,275	440,136	188,348	467,453
\$10,000 to \$100,000.....	43,123	1,279,204	48,022	1,468,890	47,268	1,404,772	52,747	1,621,589
\$100,000 to \$1,000,000.....	8,019	2,159,112	9,180	2,421,598	7,945	2,083,697	9,626	2,520,788
\$1,000,000 to \$5,000,000.....	725	1,444,778	858	1,695,717	739	1,447,837	917	1,876,243
\$5,000,000 and over.....	120	1,681,893	168	2,294,954	162	2,210,210	196	3,097,611
Reporting deficit.....	170,348	2,193,776	166,694	2,013,554	181,032	2,223,926	177,738	1,922,628

1926

Income class	Total, all concerns ¹		Agriculture		Mining and quarrying		Manufacturing, total	
	Reporting net income.....	258,134	9,873,493	4,698	70,812	6,006	455,798	55,094	4,494,790
Less than \$10,000.....	197,373	465,772	3,973	8,393	4,016	8,394	35,174	92,961
\$10,000 to \$100,000.....	50,461	1,542,734	645	18,322	1,495	61,536	15,155	512,720
\$100,000 to \$1,000,000.....	9,203	2,426,847	76	20,293	427	119,035	4,218	1,166,015
\$1,000,000 to \$5,000,000.....	813	1,769,643	3	3,804	56	125,196	441	876,078
\$5,000,000 and over.....	234	3,468,407	1	1	13	151,037	106	1,847,016
Reporting deficit.....	197,186	2,168,710	5,990	56,666	13,246	183,474	38,150	766,687

Income class	Food		Textiles		Leather		Rubber	
	Reporting net income.....	9,239	562,440	7,705	\$14,649	1,413	73,859	339	37,501
Less than \$10,000.....	6,407	16,344	6,199	13,192	902	2,438	194	457
\$10,000 to \$100,000.....	2,265	72,603	1,938	65,779	383	12,642	95	3,557
\$100,000 to \$1,000,000.....	490	128,967	534	144,612	116	31,751	45	16,176
\$1,000,000 to \$5,000,000.....	59	132,340	36	3	6	27,028	4	17,312
\$5,000,000 and over.....	18	242,196	1	1	1	1	1	1
Reporting deficit.....	6,266	2,95,309	5,728	195,184	1,078	27,436	341	24,764

Income class	Lumber		Paper		Printing		Chemicals	
	Reporting net income.....	4,591	172,972	1,365	120,480	6,931	203,507	4,076	785,165
Less than \$10,000.....	2,728	3,085	949	2,006	5,140	12,292	2,363	5,750
\$10,000 to \$100,000.....	1,494	59,004	519	18,193	1,471	46,058	1,209	44,589
\$100,000 to \$1,000,000.....	364	85,266	176	61,026	201	73,393	412	122,123
\$1,000,000 to \$5,000,000.....	14	29,617	20	38,720	26	44,863	68	134,216
\$5,000,000 and over.....	1	1	2	10,515	3	27,411	24	478,481
Reporting deficit.....	3,271	2,69,196	659	14,362	3,614	31,006	3,210	69,279

Income class	Stone, etc.		Metal		All other manufacturing		Construction	
	Reporting net income.....	2,782	195,166	11,989	1,803,444	4,681	195,637	10,075	162,569
Less than \$10,000.....	1,670	4,845	6,720	19,478	3,202	8,074	7,928	19,040
\$10,000 to \$100,000.....	855	28,595	3,761	130,860	1,180	39,834	1,870	55,695
\$100,000 to \$1,000,000.....	223	61,310	1,305	382,177	273	69,224	265	68,087
\$1,000,000 to \$5,000,000.....	30	66,831	155	310,334	23	35,047	10	13,907
\$5,000,000 and over.....	4	33,585	43	960,586	3	43,453	2	15,842
Reporting deficit.....	1,844	2,22,112	8,065	192,574	4,074	45,484	6,695	63,621

Income class	Transportation and other public utilities		Trade		Public service		Finance	
	Reporting net income.....	15,444	1,723,399	71,493	1,166,558	17,755	260,981	78,819	1,326,693
Less than \$10,000.....	12,420	22,598	55,952	143,376	14,601	30,008	61,509	139,990
\$10,000 to \$100,000.....	2,206	67,462	12,908	370,361	2,748	79,616	13,397	385,447
\$100,000 to \$1,000,000.....	610	193,465	1,440	336,915	379	90,683	1,785	441,960
\$1,000,000 to \$5,000,000.....	148	324,556	91	168,745	25	44,300	110	213,075
\$5,000,000 and over.....	00	1,115,378	12	146,161	2	16,424	18	155,931
Reporting deficit.....	9,656	2,120,174	41,302	330,998	14,502	103,772	53,614	528,032

¹ Including combination enterprises and inactive concerns not shown separately in 1926.

² Deficit.

³ Classes grouped to conceal net income and identity of taxpayer.

Source: Statistics of Income, Report of Commissioner of Internal Revenue, Treasury Department.

No. 200.—CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1923 TO 1926

[All figures in thousands of dollars]

State or Territory	Net income				Income tax			
	1923	1924	1925	1926	1923	1924	1925	1926
Total.....	8,321,529	7,586,652	9,583,634	9,673,403	937,107	881,550	1,170,331	1,229,797
Alabama.....	45,961	35,539	42,930	40,602	4,757	3,905	4,979	4,861
Alaska.....	937	541	872	674	97	53	60	66
Arizona.....	8,937	7,415	7,079	8,813	630	770	814	1,011
Arkansas.....	22,373	18,050	22,900	18,597	2,361	1,895	2,515	2,123
California.....	369,970	376,725	417,320	426,830	43,033	44,161	50,534	54,319
Colorado.....	60,491	60,846	60,448	62,872	6,183	7,024	7,077	7,812
Connecticut.....	120,935	108,131	125,093	124,029	13,133	11,843	14,337	15,046
Delaware.....	41,933	39,541	60,931	82,896	3,976	4,703	7,005	10,815
Dist. of Columbia.....	44,433	47,455	64,403	65,937	5,361	5,745	8,119	8,671
Florida.....	35,399	62,344	192,320	32,638	3,321	7,006	23,516	9,625
Georgia.....	63,751	50,162	67,081	61,324	7,024	5,536	7,700	7,564
Hawaii.....	27,703	31,530	22,133	25,340	3,037	3,020	2,794	3,396
Idaho.....	10,331	9,846	9,014	7,707	906	630	975	837
Illinois.....	752,650	706,054	851,833	901,732	82,679	82,408	105,692	116,550
Indiana.....	136,413	114,900	135,335	120,344	15,034	12,930	16,736	15,743
Iowa.....	57,437	40,732	56,250	56,751	5,343	5,235	6,302	6,586
Kansas.....	37,036	34,011	109,216	131,450	10,271	9,833	13,443	17,017
Kentucky.....	72,532	64,975	73,149	77,203	8,140	7,347	9,438	9,612
Louisiana.....	63,345	54,436	64,233	62,497	7,544	5,334	7,269	7,564
Maine.....	44,435	31,348	39,072	32,520	4,934	3,534	4,534	3,909
Maryland.....	99,326	83,493	103,665	113,166	11,340	9,847	12,753	14,934
Massachusetts.....	462,480	352,210	407,760	382,932	43,151	40,705	49,299	48,600
Michigan.....	521,025	407,940	762,097	672,422	60,729	59,869	90,556	88,133
Minnesota.....	116,711	111,846	131,836	130,212	12,604	12,098	15,797	16,155
Mississippi.....	17,144	13,197	15,759	13,166	1,721	1,336	1,664	1,436
Missouri.....	227,323	225,809	272,434	267,510	26,732	26,039	33,347	33,043
Montana.....	8,815	8,949	11,341	13,937	876	841	1,196	1,519
Nebraska.....	25,020	26,914	30,391	27,493	2,555	2,763	3,313	3,122
Nevada.....	2,559	1,662	2,342	2,381	225	147	215	316
New Hampshire.....	12,673	8,536	10,262	9,293	1,404	930	1,169	1,065
New Jersey.....	273,897	260,526	331,624	342,090	31,255	30,600	39,209	42,330
New Mexico.....	2,975	2,874	3,173	3,703	270	271	311	395
New York.....	2,156,930	2,096,542	2,598,419	2,770,835	243,103	246,109	322,979	356,409
North Carolina.....	107,931	83,732	106,623	102,879	12,503	9,726	12,322	13,017
North Dakota.....	3,473	5,700	7,972	6,574	216	443	647	422
Ohio.....	533,602	442,310	564,543	530,119	57,443	51,131	69,132	66,541
Oklahoma.....	26,733	30,223	73,912	84,301	2,701	3,969	8,025	10,327
Oregon.....	35,419	29,083	28,652	26,867	3,631	3,107	3,154	2,905
Pennsylvania.....	902,479	730,523	891,120	941,819	104,619	87,512	111,207	122,361
Rhode Island.....	70,429	44,362	50,376	43,306	8,214	5,237	6,010	5,477
South Carolina.....	34,067	14,251	20,003	15,325	3,370	1,372	1,912	1,603
South Dakota.....	4,223	4,793	5,257	3,437	297	356	426	257
Tennessee.....	54,322	52,039	66,906	66,927	5,900	5,739	7,793	8,177
Texas.....	102,802	150,502	206,658	190,524	11,033	16,810	24,862	24,363
Utah.....	22,517	19,352	21,297	18,566	1,333	2,090	2,432	2,133
Vermont.....	12,163	9,133	10,233	10,429	1,261	1,011	1,213	1,230
Virginia.....	94,500	82,036	112,233	135,359	10,335	9,393	13,406	17,234
Washington.....	83,737	54,810	63,839	63,300	8,969	5,851	7,122	7,236
West Virginia.....	73,478	50,065	64,525	76,162	8,344	5,636	7,633	9,415
Wisconsin.....	150,213	132,235	171,193	137,044	16,337	15,113	20,325	23,193
Wyoming.....	5,323	4,412	8,133	5,233	513	391	384	534

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 201.—CORPORATION INCOME TAX RETURNS: ANALYSIS FOR

State or Territory	Total number of corporations	Corporations reporting net income					
		Number reporting net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Net income	Prior year loss deduction
				1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1916	341,263	206,984	60.65	32,531,097	23,766,188	8,765,909	-----
1917	351,426	232,079	66.04	79,540,005	63,809,045	10,730,960	-----
1918	317,579	202,061	63.63	79,706,669	71,345,148	8,361,521	-----
1919	320,198	209,634	65.47	83,261,006	78,849,588	9,411,418	-----
1920	345,595	203,233	58.81	93,824,225	85,921,570	7,902,655	-----
1921	356,397	171,239	48.05	60,051,123	55,715,075	4,336,048	-----
1922	382,883	212,535	55.51	80,331,680	73,367,869	6,963,811	501,780
1923	398,933	233,339	58.49	97,457,479	89,135,950	8,321,529	578,307
1924	417,421	230,389	55.63	97,135,996	83,572,344	7,563,652	219,727
1925	430,072	252,334	58.67	113,092,033	104,108,400	9,983,633	243,079
1926	465,380	255,134	54.69	118,022,117	108,348,714	9,673,403	235,862
Alabama	4,133	2,618	63.34	547,389	506,727	40,662	1,173
Alaska	156	73	46.79	7,283	6,609	674	73
Arizona	1,505	619	41.13	119,900	111,087	8,813	539
Arkansas	2,634	1,701	64.68	302,332	283,735	18,597	603
California	21,268	10,901	51.28	5,217,404	4,790,565	426,839	11,394
Colorado	6,580	3,071	46.87	853,412	790,540	62,872	1,342
Connecticut	6,280	3,771	60.05	1,683,366	1,559,337	124,029	3,136
Delaware	1,483	811	54.69	644,204	561,367	82,837	1,403
District of Columbia	1,888	1,077	57.04	596,909	530,922	65,987	400
Florida	10,863	4,702	43.32	818,159	735,521	82,638	5,328
Georgia	5,281	3,234	61.24	871,829	810,005	61,824	1,637
Hawaii	633	429	67.77	190,085	164,235	25,850	239
Idaho	2,282	991	43.43	146,791	139,084	7,707	279
Illinois	28,340	16,986	59.94	14,390,907	13,439,185	951,722	10,971
Indiana	11,080	6,839	62.18	1,809,530	1,677,186	129,344	3,295
Iowa	8,843	5,060	57.22	1,054,994	998,243	56,751	1,896
Kansas	5,280	3,253	61.61	1,109,432	977,973	131,459	1,363
Kentucky	5,479	3,403	62.11	933,668	856,455	77,213	1,692
Louisiana	5,657	3,277	57.93	930,137	807,090	123,047	2,370
Maine	3,443	1,972	57.28	461,039	428,510	32,529	1,197
Maryland	5,621	3,188	56.72	1,446,205	1,328,039	118,166	2,600
Massachusetts	17,039	9,762	57.29	5,283,583	4,905,650	377,933	10,229
Michigan	18,563	9,282	50.11	6,847,031	6,174,650	672,381	8,570
Minnesota	10,995	5,870	53.48	2,245,622	2,115,310	130,312	2,080
Mississippi	2,113	1,413	66.87	253,064	240,798	12,266	613
Missouri	16,145	9,160	56.74	3,784,126	3,515,616	268,510	4,024
Montana	3,860	1,686	43.61	169,015	148,078	20,937	691
Nebraska	4,594	2,815	61.28	607,508	580,010	27,498	841
Nevada	960	326	33.64	67,879	64,908	2,971	150
New Hampshire	1,133	715	60.44	147,800	138,508	9,292	473
New Jersey	17,480	10,413	59.57	4,105,186	3,763,096	342,090	11,067
New Mexico	1,108	471	42.51	57,108	53,401	3,707	208
New York	39,617	51,494	57.98	29,722,073	26,951,188	2,770,885	65,775
North Carolina	6,450	3,686	57.15	1,212,142	1,109,293	102,849	1,877
North Dakota	3,445	1,552	45.05	131,654	123,800	7,854	208
Ohio	23,475	14,266	60.77	7,211,098	6,080,979	1,130,119	18,896
Oklahoma	5,835	3,209	54.84	915,820	831,519	84,301	3,857
Oregon	6,144	3,003	48.88	503,667	470,800	32,867	922
Pennsylvania	24,173	13,820	57.17	10,157,118	9,215,299	941,819	19,079
Rhode Island	2,566	1,368	53.31	616,015	572,616	43,399	1,212
South Carolina	3,822	1,768	46.26	341,241	325,016	16,225	687
South Dakota	2,872	1,354	47.14	87,870	84,442	3,428	166
Tennessee	4,955	3,047	61.49	1,005,210	938,363	66,847	2,466
Texas	11,970	7,253	60.60	2,728,745	2,520,222	208,523	6,059
Utah	3,083	1,537	49.85	264,933	246,417	18,516	909
Vermont	1,096	699	63.78	145,614	135,184	10,430	399
Virginia	6,358	3,795	59.69	1,112,614	976,755	135,859	3,020
Washington	10,748	5,305	49.36	1,024,089	960,788	63,301	3,260
West Virginia	5,142	3,000	58.34	814,066	738,314	75,752	2,515
Wisconsin	13,827	8,253	59.69	2,268,270	2,081,227	187,043	4,827
Wyoming	1,418	776	54.72	60,032	55,700	4,332	801

1 Figures for 1917 to 1922 include war and excess profits tax, as follows: 1917, \$1,638,748,000; 1918, \$2,505,566,000; 1919, \$1,431,806,000; 1920, \$988,726,000; 1921, \$335,132,000; 1922, \$3,466,000.

INCOME TAXES

UNITED STATES, 1916 TO 1926, AND BY STATES, 1926

Corporations reporting net income—Con.		Corporations reporting no net income					State or Territory
Income tax	Per cent of total tax	Number reporting no net income	Per cent of total number of corporations.	Gross income	Expenses and deductions	Deficit	
<i>1,000 dollars</i>				<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	
171,805	-----	184,269	39.25	2,796,684	3,453,438	656,904	1916.
2,142,446	-----	119,347	33.96	33,224	5,153,234	629,608	1917.
3,158,764	-----	115,518	35.37	6,757,622	7,447,594	689,772	1918.
2,175,842	-----	110,504	34.54	11,057,745	12,653,269	995,546	1919.
1,625,235	-----	142,362	41.19	24,581,838	20,410,762	2,029,424	1920.
1,701,575	-----	185,153	51.95	31,198,150	35,076,569	3,878,219	1921.
1,788,777	-----	170,348	44.49	20,588,835	22,782,611	2,193,776	1922.
937,106	-----	165,594	41.51	21,106,184	23,119,789	2,013,555	1923.
881,550	-----	181,032	43.37	22,070,497	24,204,423	2,228,026	1924.
1,170,831	-----	177,738	41.33	20,563,068	22,550,696	1,982,628	1925.
1,220,797	100.00	197,186	43.31	24,107,735	26,276,445	2,168,710	1926.
4,860	.40	1,515	36.60	123,285	133,235	9,950	Alabama.
66	.01	83	63.21	1,001	2,281	380	Alaska.
1,011	.08	886	68.87	29,687	34,842	5,155	Arizona.
2,123	.17	933	35.42	61,264	101,661	10,307	Arkansas.
54,310	4.42	10,367	48.72	1,344,545	1,483,135	138,640	California.
7,812	.64	3,509	53.33	182,200	203,533	21,333	Colorado.
15,645	1.27	2,506	39.95	372,503	413,446	40,943	Connecticut.
10,815	.88	672	45.31	57,184	70,640	13,455	Delaware.
8,671	.71	811	42.96	68,254	75,988	7,734	District of Columbia.
9,025	.78	6,151	56.08	343,417	416,625	73,208	Florida.
7,564	.62	2,047	38.76	228,593	252,115	23,522	Georgin.
3,396	.28	204	32.23	18,314	19,931	1,617	Hawaii.
837	.07	1,291	56.57	50,174	56,304	6,220	Idaho.
116,559	9.48	11,354	40.06	2,238,434	2,398,122	159,688	Illinois.
15,748	1.28	4,191	37.82	371,233	404,649	33,416	Indiana.
6,586	.54	3,783	42.78	218,046	243,079	25,033	Iowa.
17,017	1.38	2,027	38.39	141,554	164,443	12,889	Kansas.
9,612	.78	2,076	37.89	194,012	208,483	14,471	Kentucky.
7,554	.61	2,380	42.07	312,137	338,337	26,200	Louisiana.
3,909	.32	1,471	42.72	99,757	110,222	10,465	Maine.
14,934	1.21	2,433	43.28	211,857	232,255	20,398	Maryland.
48,500	3.94	7,887	44.71	1,794,802	1,940,930	146,128	Massachusetts.
88,183	7.17	5,271	38.89	671,641	756,122	84,481	Michigan.
16,155	1.31	5,095	46.47	517,264	548,320	31,056	Minnesota.
1,435	.11	700	33.18	67,587	74,992	7,405	Mississippi.
33,948	2.76	6,985	43.26	704,211	755,233	51,022	Missouri.
1,519	.12	2,180	56.39	63,611	70,253	6,642	Montana.
3,122	.25	1,779	38.72	127,779	137,957	10,178	Nebraska.
316	.03	642	66.36	12,557	15,634	3,077	Nevada.
1,065	.09	468	39.56	81,240	89,292	8,052	New Hampshire.
42,830	3.48	7,067	40.43	701,615	769,165	67,550	New Jersey.
895	.03	637	57.49	15,787	19,465	3,668	New Mexico.
366,409	28.98	38,193	42.02	6,084,458	6,601,520	517,071	New York.
13,017	1.06	2,764	42.85	252,468	274,489	22,012	North Carolina.
422	.03	1,893	54.95	49,803	54,668	4,865	North Dakota.
66,541	5.41	9,209	30.23	1,460,759	1,582,882	113,123	Ohio.
10,328	.84	2,536	43.46	402,181	435,108	32,927	Oklahoma.
2,995	.24	3,141	51.12	197,205	218,446	21,241	Oregon.
122,361	9.95	10,353	42.83	1,730,666	1,881,002	150,336	Pennsylvania.
5,477	.45	1,193	46.69	252,858	275,498	22,640	Rhode Island.
1,693	.14	2,054	53.74	168,970	181,438	12,468	South Carolina.
267	.02	1,518	52.86	42,861	46,788	3,927	South Dakota.
8,178	.66	1,908	38.51	285,705	303,125	17,420	Tennessee.
24,863	2.02	4,717	30.41	473,996	520,137	52,191	Texas.
2,183	.18	1,546	50.15	99,779	109,674	9,895	Utah.
1,230	.10	397	36.22	45,470	49,648	4,178	Vermont.
17,284	1.41	2,563	40.31	202,865	220,255	17,389	Virginia.
7,286	.69	5,443	60.64	365,543	399,046	33,503	Washington.
9,415	.77	2,142	41.66	151,149	170,049	18,900	West Virginia.
23,193	1.89	5,574	40.31	355,778	392,410	36,632	Wisconsin.
534	.04	642	45.23	19,766	23,335	3,569	Wyoming.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 202.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS

NOTE.—All money figures in thousands of dollars. Tax includes war and excess profits tax prior to 1923

Year	Corporations reporting net income			Corporations reporting no net income		Corporations reporting net income			Corporations reporting no net income	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
Agriculture and related industries										
1918	4,406	52,684	12,742	3,481	22,317	5,524	567,777	191,365	5,137	71,473
1919	4,442	93,509	19,521	3,856	29,337	5,272	432,624	75,082	13,197	180,954
1920	3,874	71,480	17,170	5,312	66,140	6,933	702,074	174,596	10,601	176,505
1921	3,146	40,718	6,002	5,878	33,563	4,395	185,134	81,969	13,295	414,489
1922	3,000	62,901	6,622	5,092	56,091	6,130	286,437	31,400	10,963	280,456
1923	3,914	92,201	9,791	5,448	49,930	5,175	283,668	30,777	13,334	334,254
1924	4,530	64,230	6,733	5,228	62,498	4,893	240,142	28,389	13,560	307,091
1925	4,662	76,862	8,604	5,242	59,215	5,488	453,600	55,049	13,075	209,057
1926	4,698	70,812	8,175	5,900	55,665	6,006	455,798	57,308	13,246	183,474
Mining and quarrying										
Manufacturing										
Total ¹										
1918	61,205	4,691,496	2,112,044	16,069	157,376	9,778	529,897	200,754	2,879	31,417
1919	61,903	5,219,345	1,359,198	15,949	306,740	9,134	619,825	150,896	3,198	91,428
1920	49,425	4,116,424	944,960	28,746	834,140	7,561	404,847	90,538	6,167	183,895
1921	37,030	1,777,786	351,770	42,718	1,898,831	7,207	310,176	65,976	6,570	309,162
1922	48,697	3,454,420	389,776	33,788	813,413	8,359	447,671	50,667	5,723	150,306
1923	53,795	4,271,899	484,894	31,404	701,012	8,666	506,024	55,040	5,487	124,176
1924	61,312	3,595,673	429,653	35,461	832,203	9,089	536,852	63,376	5,362	95,715
1925	54,137	4,383,357	546,741	34,637	682,255	9,303	533,472	66,587	5,419	91,512
1926	55,004	4,494,790	584,507	33,150	786,087	9,239	592,440	77,147	6,266	95,809
Food products, beverages, and tobacco										
Textiles and textiles products										
1918	7,018	765,238	393,450	1,345	7,684	1,434	116,377	41,530	290	2,744
1919	7,356	912,379	273,022	1,113	8,895	1,020	241,884	74,177	229	2,028
1920	5,545	468,613	121,770	4,676	166,046	1,230	61,028	14,811	932	103,922
1921	5,312	327,350	67,216	5,560	189,439	981	57,065	11,815	1,203	105,909
1922	6,973	535,107	62,500	4,452	78,311	1,330	88,041	10,414	954	24,811
1923	7,673	583,412	65,436	4,063	71,841	1,321	72,388	8,248	982	36,126
1924	6,890	619,928	37,951	5,393	188,104	1,341	70,319	8,037	1,087	31,876
1925	7,534	313,115	48,814	4,767	114,772	1,373	76,023	9,109	986	28,895
1926	7,708	314,649	39,829	5,728	195,164	1,413	73,859	9,358	1,073	27,436
Lumber and leather products										
Rubber and rubber goods										
1918	412	101,595	38,341	153	1,814	4,085	173,869	55,673	1,535	16,793
1919	407	126,832	20,871	253	4,723	5,438	284,224	67,080	1,176	19,371
1920	279	26,678	3,748	392	31,575	5,300	321,270	78,960	1,965	27,169
1921	196	5,102	815	445	101,562	2,084	70,511	11,247	8,749	120,220
1922	284	41,930	2,286	309	24,563	4,545	207,996	22,699	2,366	48,282
1923	273	45,924	2,840	334	21,563	5,250	299,050	33,457	2,132	32,587
1924	325	56,960	5,662	213	15,345	4,750	178,899	21,000	2,913	57,754
1925	349	122,966	15,412	289	13,942	4,657	200,316	24,667	2,976	53,116
1926	339	37,501	4,867	341	24,764	4,591	172,972	21,907	3,271	69,196
Lumber and wood products										
Paper, pulp, and products										
1918	1,277	96,187	36,335	252	3,471	5,192	65,942	17,398	2,006	9,846
1919	1,242	129,235	39,040	272	4,604	5,720	128,968	31,756	1,461	8,992
1920	1,349	241,616	72,302	344	4,035	6,393	163,160	42,250	1,695	13,709
1921	1,730	44,882	7,584	946	49,179	5,336	124,157	27,183	3,046	26,680
1922	1,086	84,025	9,481	683	22,409	5,771	184,716	21,745	2,939	23,020
1923	1,240	109,909	12,233	375	14,932	6,183	165,947	19,429	3,040	23,627
1924	1,204	92,674	10,476	682	18,361	6,273	175,972	20,802	3,340	28,455
1925	1,283	111,186	14,004	652	12,137	6,523	190,909	23,375	3,397	29,505
1926	1,365	129,480	15,610	659	14,862	6,931	203,507	25,857	3,614	31,006
Printing and publishing										
Chemicals and allied substances										
1918	3,576	394,413	160,607	1,639	14,371	1,856	89,047	32,056	966	7,737
1919	3,376	451,771	110,586	1,726	28,094	2,338	107,043	24,389	882	11,159
1920	3,047	441,370	98,163	2,779	96,440	2,661	151,173	37,360	1,001	8,237
1921	2,502	158,217	29,598	3,422	132,381	1,998	69,756	12,032	1,683	26,200
1922	3,512	461,221	54,056	2,605	66,158	2,459	125,092	14,938	1,431	16,586
1923	3,472	419,584	49,426	2,345	94,158	2,880	187,844	22,113	1,321	14,374
1924	3,640	466,184	56,650	2,961	76,309	2,735	162,403	19,162	1,621	17,944
1925	3,961	623,278	78,393	3,011	82,352	2,753	181,547	22,853	1,701	17,846
1926	4,076	785,155	102,964	3,210	69,279	2,762	195,166	25,542	1,844	22,112
Stone, clay, and glass products										

¹Includes all other manufacturing not shown separately.

No. 202.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS—Continued

Year	Corporations reporting net income			Corporations reporting no net income		Corporations reporting net income			Corporations reporting no net income	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
Manufacturing—Continued										
Metals and metal products										
1918.....	10,539	2,053,328	1,003,031	3,167	44,256	5,297	134,803	71,959	2,434	16,014
1919.....	9,089	1,789,213	457,252	3,429	119,834	5,927	162,464	67,219	2,315	21,862
1920.....	10,135	1,411,647	293,858	4,990	186,757	7,010	113,552	33,179	2,950	23,209
1921.....	5,468	437,367	90,308	10,068	666,002	6,041	67,335	13,595	4,320	51,507
1922.....	8,397	906,956	93,760	7,477	272,040	6,997	91,724	9,653	4,373	62,520
1923.....	10,168	1,427,496	180,771	6,072	178,031	8,151	112,004	11,430	4,400	42,800
1924.....	11,227	1,340,597	182,979	8,943	244,770	8,701	132,704	13,912	4,475	42,011
1925.....	12,760	1,756,753	221,973	8,769	201,445	9,701	150,491	17,681	5,637	43,346
1926.....	11,989	1,803,444	237,077	8,065	102,574	10,075	162,569	19,146	6,695	63,621
Transportation and other public utilities						Construction				
1918.....	12,564	778,278	149,354	5,682	98,770	58,466	1,054,473	369,901	11,683	52,892
1919.....	14,104	935,059	130,200	6,443	84,109	58,052	1,448,290	363,802	11,207	69,946
1920.....	12,922	829,131	98,623	7,274	160,505	62,278	911,173	102,613	26,607	339,482
1921.....	11,831	821,871	101,022	7,274	323,369	42,809	671,945	90,742	45,370	629,828
1922.....	18,090	979,264	119,481	6,821	196,489	59,791	1,014,013	107,041	35,892	318,693
1923.....	14,209	1,257,410	160,999	6,844	125,650	68,186	1,107,928	128,536	32,460	264,797
1924.....	14,565	1,232,012	148,278	7,866	137,753	68,112	1,008,686	120,649	37,211	296,517
1925.....	14,862	1,408,693	186,314	8,751	134,744	71,910	1,254,046	146,350	37,678	287,506
1926.....	15,444	1,723,390	228,062	9,656	120,174	71,403	1,165,558	140,522	41,302	330,098
Public service						Finance—Banking, insurance, etc.				
1918.....	9,746	65,402	14,942	5,154	20,362	40,539	684,660	120,087	18,543	205,975
1919.....	11,392	123,311	25,827	4,331	20,470	52,275	845,284	107,938	28,538	145,149
1920.....	11,014	145,491	31,547	5,570	29,199	55,484	933,304	119,002	23,418	203,936
1921.....	10,694	104,873	19,209	8,409	46,939	54,122	739,297	76,271	28,736	303,168
1922.....	13,494	148,367	16,262	9,051	59,615	58,046	887,835	99,093	32,469	397,061
1923.....	15,482	183,368	29,377	9,692	59,141	62,654	808,083	95,114	34,118	410,813
1924.....	15,495	202,165	23,131	10,825	65,650	67,039	995,124	109,444	37,672	460,507
1925.....	16,571	246,426	28,467	12,410	72,226	73,246	1,523,823	179,948	42,701	456,210
1926.....	17,765	280,931	31,040	14,502	103,772	76,819	1,336,893	160,215	53,614	528,032

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 208.—INCOME OF CORPORATIONS AS SHOWN ON INCOME TAX RETURNS: BY INDUSTRIES, 1926

NOTE.—All money figures in thousands of dollars. For total for all corporations see Table 201. Group totals include industries not shown separately

Industry	Corporations reporting net income			Corporations reporting no net income		
	Number	Gross income	Net income	Number	Gross income	Deficit
Agriculture and related industries.....	4, 698	615, 141	70, 812	5, 990	249, 342	55, 665
Mining and quarrying.....	6, 008	3, 207, 942	455, 798	13, 248	1, 339, 769	183, 474
Metal mining.....	383	709, 432	88, 790	1, 847	411, 429	33, 324
Coal—anthracite, bituminous, peat, coke.....	1, 349	1, 063, 013	92, 650	2, 330	569, 711	54, 986
Oil and gas.....	1, 921	929, 383	101, 060	2, 954	260, 516	69, 681
Quarrying—stone, clay, sand, gravel, precious and semiprecious stones, holders and lessors.....	1, 140	301, 790	44, 347	1, 100	57, 122	10, 739
Manufacturing.....	55, 094	52, 921, 594	4, 494, 740	38, 150	9, 573, 203	786, 687
Food products.....	9, 239	11, 678, 179	592, 440	6, 266	1, 797, 883	95, 309
Bakery products—confectionery.....	1, 773	1, 316, 161	111, 764	1, 351	206, 260	13, 634
Milling—bran, flour, meal.....	879	1, 243, 179	38, 791	851	222, 046	8, 737
Meat packing and packing-house products.....	418	4, 204, 428	53, 431	230	597, 430	9, 544
Sugar refining—cane, beet, maple, and products.....	75	604, 101	28, 192	150	238, 245	22, 883
Tobacco, cigars, cigarettes, etc.....	280	1, 124, 966	117, 366	208	35, 051	2, 257
Textiles and textile products.....	7, 708	6, 354, 117	314, 649	5, 728	2, 398, 617	195, 164
Cotton goods, cotton yarn, napping, dyeing, etc.....	520	826, 578	42, 773	541	635, 907	73, 621
Woolen and worsted goods, wool yarns, wool carpets, etc.....	262	386, 842	26, 010	350	374, 720	24, 777
Silk and rayon goods, silk fabrics, spinning, etc.....	432	633, 215	54, 902	373	234, 589	12, 905
Clothing—custom-made, hats, caps, underwear, shirts, etc.....	3, 810	1, 773, 700	72, 917	2, 516	454, 280	29, 172
Knit goods, sweaters, hosiery, etc.....	648	559, 264	39, 386	551	167, 438	13, 913
Leather and leather products.....	1, 413	1, 234, 232	73, 859	1, 078	427, 012	27, 436
Boots, shoes, slippers, etc.....	669	736, 915	60, 247	611	216, 476	16, 290
Gloves, saddlery, harness, trunks, tanning, etc.....	744	447, 317	23, 612	467	210, 537	11, 146
Rubber and rubber goods.....	339	1, 147, 455	37, 501	341	452, 909	24, 764
Auto tires, tubes, etc.....	66	892, 193	19, 781	109	400, 188	18, 941
Rubber boots, shoes, hose, celluloid, ivory, bone, etc.....	273	255, 292	17, 720	232	52, 722	5, 823
Lumber and wood products.....	4, 591	2, 330, 766	172, 072	3, 271	738, 045	69, 197
Sawmill and planing-mill products.....	2, 104	1, 256, 708	96, 920	1, 726	472, 860	40, 260
Furniture, house and office; carriage and wagon bodies, all other products.....	2, 487	1, 074, 059	76, 052	1, 545	265, 185	22, 929
Paper, pulp, and products.....	1, 365	1, 430, 426	120, 460	650	221, 834	14, 362
Printing and publishing.....	6, 931	2, 196, 254	203, 507	3, 614	351, 190	31, 006
Chemicals and allied substances.....	4, 070	7, 322, 287	785, 156	3, 210	708, 153	69, 279
Petroleum and mineral oil refining.....	288	3, 942, 251	426, 189	208	392, 118	24, 244
Chemicals proper, acids and other compounds, paints, vegetable and mineral oils, soaps, fertilizers, drugs, etc.....	3, 788	3, 380, 036	358, 967	2, 912	376, 035	45, 035
Stone, clay, and glass products.....	2, 782	1, 500, 051	195, 166	1, 844	164, 876	22, 112
Metal manufacturing.....	11, 989	16, 661, 793	1, 803, 444	8, 065	1, 792, 082	192, 574
Blast furnaces, steel mills, rolling mills.....	2, 650	3, 417, 561	372, 210	1, 279	354, 391	30, 453
Locomotives and railroad equipment.....	145	586, 660	68, 164	99	65, 244	6, 621
Motor vehicles and accessories.....	826	4, 883, 721	487, 628	927	407, 410	45, 336
Electrical machinery and equipment.....	956	1, 304, 172	161, 700	787	137, 992	17, 614
Household machinery and equipment.....	702	648, 085	89, 010	590	90, 648	12, 678
Factory machinery, textile, paper printing presses, machine tools, etc.....	1, 131	738, 473	96, 681	717	96, 149	10, 979
Building material and supplies.....	814	770, 740	77, 133	511	65, 830	6, 069
Agricultural machinery and equipment.....	282	504, 711	72, 343	283	49, 214	19, 108
All other machinery.....	3, 199	2, 286, 774	262, 140	2, 086	344, 284	33, 716
Construction.....	10, 075	2, 287, 548	162, 569	6, 665	528, 548	53, 621
Building and construction above ground, including equipping and installing machinery, wrecking, razing, or moving, etc.....	7, 131	1, 305, 281	76, 819	4, 312	291, 876	23, 034
Excavation, road building, waterfront construction, railroad construction, shipbuilding, etc.....	2, 944	982, 267	85, 750	2, 353	236, 672	25, 587

No. 203.—INCOME OF CORPORATIONS AS SHOWN ON INCOME TAX RETURNS: BY INDUSTRIES, 1926—Continued

Industry	Corporations reporting net income			Corporations reporting no net income		
	Number	Gross income	Net income	Number	Gross income	Deficit
Transportation and other public utilities.....	15,444	13,613,853	1,723,399	9,656	1,245,631	120,174
Steam railroads.....	360	6,755,248	762,330	309	370,740	28,911
Electric railroads, Pullman cars, refrigerator, stock, poultry, and fruit cars, and lessors.....	538	1,084,241	194,587	432	245,843	22,252
Water transportation.....	971	323,857	41,930	787	120,016	15,205
Local transportation, taxicabs, sightseeing busses, drayage and delivery service, and special feed, storage and packers, garage, etc.....	6,444	676,826	59,313	4,547	213,059	23,368
Electric light and power companies.....	1,276	1,207,721	212,060	563	185,719	12,920
Telephone, telegraph, and radio companies.....	3,201	1,721,645	255,469	1,155	8,992	1,357
Gas companies, natural and artificial.....	471	672,105	37,010	245	28,794	2,130
Trade.....	71,403	33,459,003	1,165,558	41,303	7,473,473	330,998
Wholesale.....	21,622	16,102,364	427,095	11,389	3,905,306	139,692
Retail.....	30,123	11,097,840	534,008	17,360	1,727,167	106,671
Commission.....	3,856	1,568,940	63,274	2,631	545,026	21,994
Service.....	17,755	2,633,040	260,991	14,502	732,272	103,772
Restaurants, hotels, laundries, domestic, etc.	5,593	1,063,557	77,761	4,253	330,820	42,750
Theaters, motion pictures, all other amusements, etc.....	3,725	690,469	86,631	3,440	194,234	31,533
Professional, business, educational, curative, legal, engineering, etc.....	8,437	868,014	96,599	6,804	157,168	29,489
Finance.....	78,819	9,356,744	1,356,803	53,614	2,942,936	623,032
National banks.....	5,552	1,013,379	138,373	2,707	203,127	31,909
State and private banks.....	10,952	507,231	83,762	6,403	157,047	32,072
Bank and trust companies, savings banks.....	3,204	1,232,378	147,382	1,161	136,443	16,012
Stock and bond brokers.....	787	1,030,547	42,316	551	654,005	16,939
Holding companies, real estate, patents, investments, concessions, etc.....	39,457	1,768,632	416,351	34,137	643,110	225,133
Life insurance companies.....	418	629,468	132,129	106	5,691	1,112
All other insurance and bonding companies.....	717	817,036	53,770	637	596,154	90,725

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department, 1926.

No. 204.—ASSETS AND LIABILITIES OF CORPORATIONS: AS OF DECEMBER 31, 1926, OR AT CLOSE OF FISCAL YEAR NEAREST THERETO

NOTE.—All figures in millions and tenths of millions of dollars. Data are for 359,449 corporations submitting balance sheets with income tax returns out of a total of 455,320 filing returns

Item	Total	Agriculture	Mining and quarrying	Manufacturing		
				Total	Food, etc.	Textiles
Assets, total.....	260,178.6	2,050.0	12,172.1	64,727.2	8,883.5	6,260.0
Cash (in till and deposits in banks).....	16,801.5	47.4	409.0	3,527.7	453.6	375.3
Notes receivable.....	6,725.3	70.3	152.1	1,680.2	123.7	75.9
Accounts receivable (less reserve for bad debts).....	16,826.3	121.9	610.5	6,877.5	860.2	979.5
Inventory.....	20,939.0	117.6	635.7	12,284.0	1,708.5	1,761.7
Tax-exempt investments.....	8,694.4	16.2	293.7	1,821.6	167.7	156.3
Real estate, buildings, and equipment (less depreciation).....	97,523.5	1,242.4	7,967.5	26,618.7	3,321.8	2,233.7
Miscellaneous ¹	32,668.6	434.2	2,093.6	11,608.5	2,234.0	624.1
Liabilities, total.....	260,178.6	2,050.0	12,172.1	64,727.2	8,883.5	6,260.0
Notes payable.....	13,204.4	291.5	442.3	4,024.3	703.7	623.0
Accounts payable.....	10,337.5	115.2	459.3	3,192.1	333.7	454.4
Bonded debt and mortgages.....	21,801.0	114.2	1,008.0	4,339.8	721.9	193.6
Miscellaneous ²	35,078.7	247.4	1,009.9	6,897.5	1,011.6	591.3
Capital stock.....	84,662.8	1,071.4	6,714.4	31,411.6	4,467.8	3,179.3
Preferred.....	17,146.1	97.1	633.0	7,431.3	1,274.7	793.2
Common.....	67,516.6	974.3	6,071.4	23,980.3	3,193.0	2,386.1
Surplus.....	39,154.4	389.3	2,155.2	16,139.4	1,785.0	1,121.1
Less deficit.....	4,557.1	153.5	317.5	1,327.5	195.1	203.6
Net surplus.....	34,597.3	210.3	1,837.7	14,811.9	1,589.9	1,217.5

For footnotes, see following page.

No. 204.—ASSETS AND LIABILITIES OF CORPORATIONS: AS OF DECEMBER 31, 1926, OR AT CLOSE OF FISCAL YEAR NEAREST THERETO—Continued

Item	Manufacturing—Continued						
	Leather and products	Rubber and rubber goods	Lumber and wood products	Paper, pulp, and products	Printing and publishing	Chemicals and allied products	Stone, clay, and glass products
Assets, total.....	1,226.5	1,376.4	4,023.3	2,097.4	2,383.6	12,257.7	2,237.2
Cash (in till and deposits in banks).....	76.2	67.4	142.4	84.5	120.1	492.3	107.8
Notes receivable.....	19.9	15.6	126.7	30.6	46.3	220.7	33.5
Accounts receivable (less reserve for bad debts).....	241.9	204.8	482.8	227.8	325.6	772.3	211.2
Inventory.....	398.0	341.9	770.0	297.9	204.5	1,346.5	311.5
Tax-exempt investments.....	22.9	11.5	70.0	38.9	85.8	232.3	86.2
Real estate, buildings, and equipment (less depreciation).....	205.7	551.5	1,853.9	999.3	781.8	5,370.6	1,157.3
Miscellaneous.....	171.9	183.7	571.5	418.4	819.5	3,203.0	324.7
Liabilities, total.....	1,226.5	1,376.4	4,023.3	2,097.4	2,383.6	12,257.7	2,237.2
Notes payable.....	120.6	60.8	440.9	93.9	132.5	390.8	107.4
Accounts payable.....	88.7	97.8	251.1	95.9	157.8	488.7	90.9
Bonded debt and mortgages.....	17.9	240.2	159.9	253.0	174.5	800.2	90.0
Miscellaneous.....	131.8	124.8	461.6	210.7	350.4	1,487.9	257.6
Capital stock.....	709.8	665.4	1,663.0	930.2	939.9	6,323.1	1,165.7
Preferred.....	219.2	278.9	285.5	223.3	183.5	1,131.7	253.7
Common.....	490.5	386.5	1,377.6	756.9	756.4	5,191.5	907.1
Surplus.....	226.7	213.9	1,159.2	488.9	637.2	2,034.4	568.1
Less deficit.....	68.9	31.5	112.5	25.2	67.7	167.5	45.6
Net surplus.....	157.8	182.4	1,046.7	463.7	569.5	2,766.9	516.5

Item	Manufacturing—Continued		Construction	Transportation and other public utilities	Trade	Public service	Finance—banking, insurance, etc.
	Metals and products	All other					
Assets, total.....	21,222.5	2,758.6	2,358.1	57,245.4	19,140.3	4,872.8	87,462.2
Cash (in till and deposits in banks).....	1,478.5	129.8	213.3	1,357.6	1,163.5	300.0	9,776.8
Notes receivable.....	321.9	94.4	98.8	297.2	835.3	93.6	3,478.5
Accounts receivable (less reserve for bad debts).....	2,123.3	439.1	569.6	1,231.1	4,797.2	290.5	2,311.8
Inventory.....	4,050.8	592.6	273.4	941.9	5,568.6	133.6	923.5
Tax-exempt investments.....	802.0	91.1	47.3	235.4	356.8	42.1	5,823.4
Real estate, buildings, and equipment (less depreciation).....	9,154.7	863.3	653.9	40,698.8	4,079.5	2,782.8	13,428.7
Miscellaneous.....	2,791.3	548.3	501.3	12,433.4	2,339.4	1,130.2	51,709.5
Liabilities, total.....	21,222.5	2,758.6	2,358.1	57,245.4	19,140.3	4,872.8	87,462.2
Notes payable.....	1,102.2	197.5	200.6	1,139.4	2,574.4	522.6	3,900.3
Accounts payable.....	916.3	161.7	354.4	1,107.7	2,422.2	293.2	2,781.7
Bonded debt and mortgages.....	1,577.9	101.5	232.7	9,931.5	583.6	841.7	4,740.0
Miscellaneous.....	1,071.5	289.5	524.5	18,465.9	1,500.8	651.5	54,861.8
Capital stock.....	9,939.5	1,377.7	638.0	20,466.1	8,557.7	1,963.3	13,732.6
Preferred.....	2,476.1	301.6	84.6	4,354.8	1,721.5	446.8	1,955.6
Common.....	7,463.4	1,076.1	553.4	15,111.3	6,836.1	1,516.4	11,777.0
Surplus.....	6,039.4	666.0	401.9	6,690.4	4,092.9	737.8	8,139.2
Less deficit.....	374.4	35.3	34.6	645.6	501.2	192.2	703.4
Net surplus.....	5,715.1	630.7	317.3	6,044.8	3,591.7	595.6	7,435.8

¹ Includes nominal concerns, nature of business not given, not shown separately.
² Includes the following items: Investments in affiliated companies; stocks and bonds other than tax-exempt obligations; loans, mortgages, etc.; patents, good will, formulas, trade-marks, etc.
³ Includes the following items: Reserves; accrued expenses; unadjusted credits; deposits (time, saving, demand, etc.) reported by banks; reserves, other funds, capital stock, and surplus for life insurance companies.

Source: Statistics of Income, Report of Commissioner of Internal Revenue, Treasury Department.

No. 205.—PERSONAL INCOME TAX RETURNS: ANALYSIS

NOTE.—All money figures, except as indicated, in millions of dollars. See headnote, Table 194

	1919	1920	1921	1922	1923	1924	1925	1926
Total income.....	22, 438	26, 691	28, 329	24, 872	29, 248	29, 579	26, 272	25, 447
Wages and salaries.....	10, 756	15, 270	13, 813	13, 604	14, 195	13, 618	9, 742	9, 994
Business.....	3, 878	3, 206	2, 306	2, 840	4, 723	4, 755	3, 689	3, 733
Partnerships ¹	1, 831	1, 701	1, 841	1, 427	1, 070	1, 310	1, 827	1, 733
Profits from sales of real estate, stocks, bonds, etc.....	999	1, 021	463	2, 742	1, 863	2, 125	2, 102	1, 466
Rents and royalties.....	1, 019	1, 047	1, 178	1, 225	1, 814	2, 010	1, 471	1, 451
Interest and investment income ²	1, 437	1, 648	1, 643	1, 697	2, 807	2, 591	2, 120	2, 270
Items exempt from normal tax.....	2, 517	2, 797	2, 524	2, 948	3, 469	3, 670	4, 431	4, 962
Dividends.....	2, 454	2, 736	2, 477	2, 664	3, 120	3, 251	3, 465	4, 012
Interest on Gov't obligations.....	63	62	47	34	44	30	26	57
Capital net gain from sale of assets held over 2 years.....				249	305	380	940	913
General deductions, including contri- butions, etc.....	2, 578	2, 955	3, 752	3, 536	4, 470	3, 923	3, 377	3, 480
Net income.....	19, 860	23, 730	19, 577	21, 336	24, 777	25, 653	21, 895	21, 959
Net loss for prior year.....				45	34	30		27
Exemptions from normal tax.....	11, 941	15, 632	16, 716	17, 649	20, 743	19, 999	16, 658	17, 036
Personal exemption and credit for dependents.....	9, 424	12, 535	14, 192	14, 702	17, 275	16, 329	12, 228	12, 124
Above items exempt from normal tax.....	2, 517	2, 797	2, 524	2, 947	3, 469	3, 670	4, 430	4, 962
Less exemptions in excess of net income.....	449	702	2, 714	2, 740	2, 802	2, 375	1, 506	1, 823
Net exemptions.....	11, 492	14, 930	14, 002	14, 900	17, 831	17, 624	15, 153	15, 203
Net income subject to normal tax.....	8, 367	8, 806	5, 575	6, 882	6, 882	8, 003	6, 711	6, 669
Normal tax.....	468	478	308	355	284	258	216	201
Surtax.....	302	597	411	475	349	438	433	448
Net tax on capital net gain from sale of assets held over 2 years ³				31	20	39	110	108
Less tax credit of 25 per cent on earned net income.....						31	25	26
Net tax.....	1, 270	1, 075	719	801	632	704	735	733
Number of returns (thousands).....	5, 333	7, 200	6, 062	6, 787	7, 698	7, 370	4, 171	4, 138
Average net income per return.....	\$3, 724	\$3, 209	\$2, 939	\$3, 143	\$3, 219	\$3, 481	\$5, 249	\$5, 306
Average tax per return.....	\$238	\$148	\$108	\$127	\$96	\$96	\$176	\$177
Averages per capita of total popula- tion:								
Net income returned.....	\$187	\$224	\$185	\$105	\$223	\$228	\$189	\$186
Tax.....	\$11. 98	\$10. 14	\$6. 79	\$7. 86	\$5. 96	\$6. 27	\$6. 35	\$6. 23

¹ Income from fiduciaries included with partnerships in 1919 to 1921; other years, with interest and investment income.

² Exclusive of capital net gain from sales of assets held over 2 years.

³ Tax (12½ per cent) on capital net gain from sale of assets held for more than 2 years, less tax credit of 12½ per cent on capital net loss on such sales.

No. 206.—PERSONAL INCOME TAX RETURNS: ¹ By Family Relationship

	1921	1922	1923	1924	1925	1926
Number of returns.....	8, 662, 176	6, 787, 481	7, 698, 321	7, 369, 788	4, 171, 051	4, 138, 092
Joint returns ²	3, 477, 572	3, 566, 302	4, 505, 729	3, 901, 551	2, 074, 849	2, 017, 182
Wives making separate re- turns from husbands.....	89, 634	101, 319	170, 573	173, 225	120, 368	113, 550
Men—Heads of families.....	401, 662	392, 358	413, 682	394, 201	274, 139	269, 090
Women—Heads of families.....	115, 356	135, 929	157, 660	163, 270	95, 562	100, 284
All other—Men.....	1, 945, 009	1, 823, 523	1, 697, 031	1, 865, 258	1, 193, 870	1, 146, 871
All other—Women.....	608, 829	740, 609	718, 080	773, 314	392, 186	449, 727
Community property income.....	24, 004	27, 640	35, 557	18, 980	19, 578	42, 388
Net income (1,000 dollars).....	18, 577, 213	21, 336, 213	24, 777, 466	25, 956, 153	21, 894, 576	21, 958, 508
Joint returns ²	12, 448, 419	13, 673, 314	16, 711, 847	16, 695, 378	13, 772, 705	13, 555, 920
Wives making separate re- turns from husbands.....	486, 170	638, 862	847, 110	955, 000	1, 093, 921	1, 110, 206
Men—Heads of families.....	1, 066, 537	1, 091, 277	1, 190, 175	1, 227, 022	1, 103, 331	1, 102, 102
Women—Heads of families.....	309, 461	361, 518	448, 887	445, 185	405, 663	436, 422
All other—Men.....	3, 788, 543	3, 758, 959	3, 628, 421	4, 223, 497	3, 715, 460	3, 639, 034
All other—Women.....	1, 302, 398	1, 603, 594	1, 688, 707	1, 893, 757	1, 540, 291	1, 750, 900
Community property income.....	175, 684	208, 189	262, 319	220, 314	261, 210	363, 922

¹ See headnote, Table 194.

² Joint returns of husbands and wives. Also includes returns of husbands whose wives, though living with them, file separate returns.

Source of Tables 205 and 206: Statistics of income, Reports of the Commissioner of Internal Revenue.

No. 207.—PERSONAL INCOME TAX RETURNS: BY INCOME CLASSES

NOTE.—See headnote, Table 194. The net income here shown is subject to deduction of exemptions to give net income subject to tax, see Tables 205 and 208

Income class (net income)	1920	1921	1922	1923	1924	1925	1926
Number of returns..	7, 269, 944	6, 662, 176	6, 797, 481	7, 698, 321	7, 369, 788	4, 171, 051	4, 138, 092
Under \$1,000.....		401, 849	402, 078	368, 502	344, 876	98, 178	119, 513
\$1,000 to \$2,000.....	2, 671, 950	2, 440, 544	2, 471, 181	2, 523, 150	2, 413, 881	1, 071, 092	1, 045, 519
\$2,000 to \$3,000.....	2, 569, 316	2, 222, 031	2, 129, 808	2, 472, 641	2, 112, 993	842, 528	837, 792
\$3,000 to \$5,000.....	1, 337, 116	1, 072, 146	1, 190, 115	1, 719, 625	1, 800, 900	1, 327, 683	1, 240, 400
\$5,000 to \$10,000.....	455, 442	353, 247	391, 373	387, 842	437, 330	593, 652	560, 549
\$10,000 to \$25,000.....	171, 830	132, 344	151, 329	170, 095	191, 216	236, 779	246, 730
\$25,000 to \$50,000.....	38, 548	28, 046	35, 478	39, 532	47, 061	59, 721	57, 487
\$50,000 to \$100,000.....	12, 093	8, 717	12, 000	12, 452	15, 816	20, 958	20, 520
\$100,000 to \$150,000.....	2, 191	1, 367	2, 171	2, 339	3, 005	4, 759	4, 724
\$150,000 to \$300,000.....	1, 063	739	1, 323	1, 301	1, 876	3, 223	3, 267
\$300,000 to \$500,000.....	239	162	309	327	457	892	892
\$500,000 to \$1,000,000.....	123	63	161	141	242	479	468
\$1,000,000 and over.....	33	21	67	74	75	207	231
In thousands of dollars							
Net income.....	23, 735, 629	19, 577, 213	21, 336, 213	24, 777, 466	25, 056, 153	21, 894, 578	21, 958, 506
Under \$1,000.....		213, 850	247, 564	252, 513	235, 452	58, 306	67, 238
\$1,000 to \$2,000.....	4, 050, 007	3, 020, 762	3, 090, 571	3, 693, 042	3, 504, 474	1, 774, 001	1, 747, 917
\$2,000 to \$3,000.....	6, 184, 543	5, 325, 031	5, 153, 497	6, 073, 444	5, 277, 147	2, 047, 070	2, 042, 903
\$3,000 to \$5,000.....	5, 039, 607	4, 054, 891	4, 500, 558	6, 469, 195	6, 327, 024	5, 235, 003	4, 872, 789
\$5,000 to \$10,000.....	3, 063, 831	2, 378, 759	2, 641, 905	2, 653, 026	2, 991, 183	3, 453, 552	3, 835, 064
\$10,000 to \$25,000.....	2, 547, 905	1, 958, 156	2, 255, 872	2, 535, 079	2, 855, 979	3, 544, 898	3, 660, 023
\$25,000 to \$50,000.....	1, 307, 785	979, 029	1, 208, 274	1, 350, 680	1, 599, 848	2, 032, 230	1, 954, 553
\$50,000 to \$100,000.....	810, 386	582, 230	805, 224	833, 898	1, 006, 784	1, 418, 948	1, 389, 339
\$100,000 to \$150,000.....	265, 512	163, 521	260, 204	280, 056	377, 645	572, 860	570, 189
\$150,000 to \$300,000.....	215, 139	145, 948	266, 814	200, 584	374, 609	655, 300	661, 412
\$300,000 to \$500,000.....	89, 814	61, 343	116, 672	124, 560	171, 249	339, 774	340, 214
\$500,000 to \$1,000,000.....	79, 963	42, 780	107, 671	95, 107	158, 462	327, 368	317, 881
\$1,000,000 and over.....	77, 078	49, 411	141, 387	152, 072	155, 974	422, 457	494, 304
Tax yield (normal and surtax) ¹.....	1, 075, 054	719, 387	861, 057	661, 666	704, 265	734, 555	732, 471
Under \$1,000.....		174	247	317	146	60	56
\$1,000 to \$2,000.....	36, 860	29, 161	27, 081	18, 253	10, 432	1, 704	1, 761
\$2,000 to \$3,000.....	45, 508	20, 712	20, 730	16, 606	10, 207	3, 809	4, 217
\$3,000 to \$5,000.....	83, 496	42, 744	47, 533	46, 048	26, 865	8, 326	7, 245
\$5,000 to \$10,000.....	97, 886	68, 871	70, 388	54, 075	28, 828	19, 149	20, 272
\$10,000 to \$25,000.....	172, 259	126, 886	123, 576	103, 109	78, 069	74, 172	72, 465
\$25,000 to \$50,000.....	154, 265	112, 910	125, 097	103, 601	109, 680	120, 689	112, 797
\$50,000 to \$100,000.....	163, 718	115, 712	144, 093	108, 879	136, 635	147, 843	140, 947
\$100,000 to \$150,000.....	86, 588	52, 330	71, 337	55, 710	75, 678	79, 472	77, 900
\$150,000 to \$300,000.....	92, 604	61, 496	98, 810	62, 104	92, 481	103, 059	103, 997
\$300,000 to \$500,000.....	47, 043	31, 860	43, 488	31, 060	45, 771	55, 722	55, 256
\$500,000 to \$1,000,000.....	45, 641	25, 112	38, 559	25, 498	42, 585	53, 674	53, 665
\$1,000,000 and over.....	49, 185	31, 420	49, 518	35, 788	47, 207	66, 867	81, 893
Average tax rate on net income, per cent.....	4. 53	3. 67	4. 04	2. 67	2. 74	3. 35	3. 34
Under \$1,000.....		.08	.10	.13	.06	.12	.08
\$1,000 to \$2,000.....	.91	.81	.75	.49	.29	.10	.10
\$2,000 to \$3,000.....	.74	.39	.40	.27	.19	.19	.21
\$3,000 to \$5,000.....	1.06	1.05	1.06	.71	.39	.16	.15
\$5,000 to \$10,000.....	3.19	2.90	2.66	2.04	.96	.55	.52
\$10,000 to \$25,000.....	0.76	0.48	0.48	0.46	0.27	0.09	0.08
\$25,000 to \$50,000.....	11.80	11.53	10.40	7.67	6.84	5.94	5.77
\$50,000 to \$100,000.....	20.20	19.87	17.89	13.06	12.81	10.42	10.14
\$100,000 to \$150,000.....	32.61	32.00	27.42	19.85	20.04	13.87	13.66
\$150,000 to \$300,000.....	43.04	42.14	37.03	23.83	24.09	15.73	15.72
\$300,000 to \$500,000.....	52.87	51.04	37.87	25.42	26.73	16.40	16.24
\$500,000 to \$1,000,000.....	57.08	58.70	35.81	26.81	26.87	19.39	16.88
\$1,000,000 and over.....	63.81	63.59	35.02	23.53	30.27	15.83	16.50

¹ Beginning 1922, includes tax on capital net gain from sale of assets held more than two years less tax credit on capital net loss in 1924, 1925, and 1926.

Source: Statistics of Income, Reports of the Commissioner of Internal Revenue, Treasury Department.

No. 208.—PERSONAL INCOME TAX RETURNS: ANALYSIS, BY INCOME CLASSES, 1926

Income class (net income)	Number of returns	Total income	General deductions, including contributions	Net income ¹	Net loss for prior year	Exemptions from normal tax			
						Personal exemption	Dividends	Interest on Gov't obligations ²	Capital net gain ³
In thousands of dollars									
Total.....	4,138,092	25,447,436	3,433,930	21,958,506	27,412	12,124,076	4,011,590	38,782	912,918
Under \$1,000, free ⁴	107,604	180,532	120,119	60,413	-----	278,781	19,441	-----	-----
Under \$1,000, taxed.....	11,849	13,194	6,370	6,824	-----	523	2,174	-----	-----
\$1,000 to \$2,000, free ⁴	459,956	921,151	197,638	723,513	-----	1,259,297	34,225	-----	-----
\$1,000 to \$2,000, taxed.....	585,563	1,086,612	62,308	1,024,304	-----	893,131	10,345	-----	-----
\$2,000 to \$3,000, free ⁴	384,994	1,092,429	137,262	955,167	-----	1,412,690	49,502	-----	-----
\$2,000 to \$3,000, taxed.....	452,798	1,159,417	71,681	1,087,736	-----	712,617	33,999	-----	-----
\$3,000 to \$4,000, free ⁴	487,840	1,972,751	262,244	1,710,507	-----	1,968,998	83,676	-----	-----
\$3,000 to \$4,000, taxed.....	238,429	949,615	89,666	859,949	-----	576,420	38,735	-----	-----
\$4,000 to \$5,000, free ⁴	181,246	941,144	150,807	790,337	-----	803,620	103,860	-----	-----
\$4,000 to \$5,000, taxed.....	332,778	1,782,732	250,837	1,531,895	-----	1,117,720	56,201	-----	-----
\$5,000 to \$6,000, free ⁴	21,683	150,750	34,034	116,716	768	90,438	47,033	-----	-----
\$5,000 to \$6,000, taxed.....	177,484	1,118,142	146,736	971,406	83	629,267	43,076	-----	-----
\$6,000 to \$10,000, free ⁴	23,705	250,402	71,283	179,119	2,777	76,162	140,916	-----	-----
\$6,000 to \$10,000, taxed.....	337,772	2,971,780	400,068	2,571,712	689	1,197,536	204,285	-----	-----
\$10,000 to \$25,000.....	246,730	4,274,760	614,137	3,660,623	8,380	842,597	815,446	14,210	-----
\$25,000 to \$50,000.....	57,487	2,270,914	316,260	1,954,654	4,977	184,036	606,606	0,377	28,159
\$50,000 to \$100,000.....	20,520	1,599,865	210,526	1,389,339	3,031	62,766	678,784	6,635	141,610
\$100,000 to \$150,000.....	4,724	661,941	91,751	570,190	1,469	13,933	271,148	2,070	109,669
\$150,000 to \$300,000.....	3,267	763,548	102,136	661,412	3,099	9,207	301,487	1,860	157,615
\$300,000 to \$500,000.....	892	389,257	49,043	340,214	1,924	2,341	160,982	1,165	119,783
\$500,000 to \$1,000,000.....	468	364,076	46,194	317,882	165	1,228	164,878	700	116,611
\$1,000,000 and over.....	231	652,524	58,130	494,394	-----	591	206,723	799	248,671

Income class (net income)	Normal tax	Surtax	Net tax on capital net gain ⁵	Tax credit of 25 per cent on earned net income	Net tax	Average tax per individual (dollars)	Average rate of tax on net income (per cent)	Per cent distribution		
								Re-turns	Net income	Net tax
In thousands of dollars										
Total.....	200,599	448,330	108,198	24,647	732,471	177.01	3.34	100.00	100.00	100.00
Under \$1,000, free ⁴	-----	-----	-----	-----	-----	-----	-----	2.89	0.31	0.01
Under \$1,000, taxed.....	78	-----	-----	17	56	4.69	0.81	-----	-----	-----
\$1,000 to \$2,000, free ⁴	-----	-----	-----	-----	-----	-----	-----	25.26	7.96	24
\$1,000 to \$2,000, taxed.....	2,346	-----	-----	533	1,761	3.00	.17	-----	-----	-----
\$2,000 to \$3,000, free ⁴	-----	-----	-----	-----	-----	-----	-----	20.25	9.30	57
\$2,000 to \$3,000, taxed.....	5,597	-----	-----	1,351	4,217	9.31	.39	-----	-----	-----
\$3,000 to \$4,000, free ⁴	-----	-----	-----	-----	-----	-----	-----	17.55	11.71	42
\$3,000 to \$4,000, taxed.....	4,072	-----	-----	994	3,078	12.91	.36	-----	-----	-----
\$4,000 to \$5,000, free ⁴	-----	-----	-----	-----	-----	-----	-----	12.42	10.49	57
\$4,000 to \$5,000, taxed.....	5,560	-----	-----	1,393	4,167	12.52	.28	-----	-----	-----
\$5,000 to \$6,000, free ⁴	-----	-----	-----	-----	-----	-----	-----	4.81	4.96	50
\$5,000 to \$6,000, taxed.....	4,638	-----	-----	976	3,663	20.63	.38	-----	-----	-----
\$6,000 to \$10,000, free ⁴	-----	-----	-----	-----	-----	-----	-----	8.73	12.58	2.28
\$6,000 to \$10,000, taxed.....	19,090	-----	-----	3,379	16,610	49.18	.65	-----	-----	-----
\$10,000 to \$25,000.....	53,344	22,930	-----	8,315	72,465	293.70	1.98	5.97	16.97	9.89
\$25,000 to \$50,000.....	43,833	70,689	2,695	4,371	112,797	1,962.00	5.77	1.39	8.89	15.40
\$50,000 to \$100,000.....	27,072	99,711	15,975	1,311	140,947	6,869.00	10.14	.50	8.32	19.24
\$100,000 to \$150,000.....	9,251	57,233	11,866	459	77,900	16,490.00	13.66	.11	2.60	10.64
\$150,000 to \$300,000.....	10,063	75,677	18,590	332	103,997	31,833.00	16.72	.08	3.02	14.19
\$300,000 to \$500,000.....	3,730	37,136	14,473	84	55,256	61,946.00	16.24	.02	1.55	7.54
\$500,000 to \$1,000,000.....	2,870	36,645	14,190	41	53,665	114,669.00	16.88	.01	1.45	7.32
\$1,000,000 and over.....	3,111	48,403	30,399	20	81,893	394,515.00	16.66	.01	2.24	11.18

¹ Capital net gain from sale of assets held more than two years is included in net income, but capital net loss from sale of assets held more than two years and net loss for prior year are not deducted.

² If not wholly exempt from tax.

³ Relates to net gain from sale of assets held for more than two years exempt from normal tax but subject to a special tax.

⁴ Specific exemptions exceed net income.

⁵ Tax (12½ per cent) on capital net gain from sale of assets held for more than two years, less tax credit of 12½ per cent on capital net loss on such sales.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 209.—PERSONAL INCOME TAX RETURNS: TOTAL INCOME BY INCOME CLASSES, DISTRIBUTED BY SOURCES OF INCOME, 1926

NOTE.—For total income and items exempt from normal tax see Table 208

Income class (net income)	Income from personal industry and business				Income from property			
	Wages and salaries	Business	Partnerships	Profits from sales of real estate, securities, etc. ¹	Rents and royalties	Dividends	Interest and investment income ²	Interest on Government obligations ³
In thousands of dollars								
Total	2,994,315	3,572,896	1,732,581	2,378,542	1,450,760	4,011,590	2,269,970	36,782
Under \$1,000 free ⁴	43,278	59,325	5,302	4,103	31,564	19,441	17,450	-----
Under \$1,000 taxed	1,680	686	128	727	2,124	2,174	5,675	-----
\$1,000 to \$2,000 free ⁴	553,567	175,564	16,257	10,849	71,006	34,225	55,693	-----
\$1,000 to \$2,000 taxed	870,853	57,022	15,701	5,704	58,539	10,345	68,388	-----
\$2,000 to \$3,000 free ⁴	502,266	312,831	38,254	19,525	102,030	49,562	67,961	-----
\$2,000 to \$3,000 taxed	787,758	84,747	32,566	17,709	82,091	33,990	110,427	-----
\$3,000 to \$4,000 free ⁴	1,089,138	445,645	33,886	43,775	125,981	83,076	101,250	-----
\$3,000 to \$4,000 taxed	485,527	142,841	50,440	32,787	86,201	36,735	114,886	-----
\$4,000 to \$5,000 free ⁴	476,631	167,454	47,683	32,870	57,519	103,860	55,118	-----
\$4,000 to \$5,000 taxed	320,222	388,257	112,500	73,238	142,344	56,201	169,961	-----
\$5,000 to \$6,000 free ⁴	49,039	20,071	6,124	6,066	8,301	47,033	14,036	-----
\$5,000 to \$6,000 taxed	513,410	251,172	91,550	50,117	70,894	43,076	92,913	-----
\$6,000 to \$10,000 free ⁴	47,231	9,840	5,142	11,528	9,513	140,016	26,193	-----
\$6,000 to \$10,000 taxed	1,270,266	576,696	274,000	189,587	176,121	204,285	279,925	-----
\$10,000 to \$25,000	1,408,252	548,435	304,905	416,400	217,608	815,446	459,498	14,216
\$25,000 to \$50,000	546,833	179,918	211,801	204,520	100,320	666,006	261,489	9,377
\$50,000 to \$100,000	284,313	89,203	153,043	263,066	54,847	578,784	189,924	6,595
\$100,000 to \$150,000	89,137	25,881	55,549	139,628	17,844	271,148	61,187	2,069
\$150,000 to \$300,000	87,113	20,646	74,715	204,079	16,378	301,487	67,270	1,860
\$300,000 to \$500,000	29,581	3,765	24,709	143,496	7,150	150,982	23,409	1,165
\$500,000 to \$1,000,000	16,892	5,367	22,670	134,734	6,879	154,877	21,956	701
\$1,000,000 and over	16,248	2,431	14,669	283,946	4,626	206,723	23,082	799
Per cent of total income of class derived from each source								
Total	30.27	14.04	8.81	9.35	5.70	15.70	8.92	0.15
Under \$1,000 free ⁴	23.97	32.86	2.97	2.27	17.49	10.77	9.67	-----
Under \$1,000 taxed	12.73	5.20	.97	5.51	16.10	16.48	43.01	-----
\$1,000 to \$2,000 free ⁴	60.10	19.06	1.76	1.18	7.82	3.71	6.87	-----
\$1,000 to \$2,000 taxed	80.14	6.25	1.45	.53	5.39	.95	6.29	-----
\$2,000 to \$3,000 free ⁴	45.98	28.63	3.50	1.79	9.34	4.54	6.22	-----
\$2,000 to \$3,000 taxed	67.94	7.31	2.81	1.53	7.16	2.93	10.32	-----
\$3,000 to \$4,000 free ⁴	55.21	22.59	4.25	2.22	6.36	4.24	5.13	-----
\$3,000 to \$4,000 taxed	51.14	16.94	5.31	3.45	9.09	3.87	12.10	-----
\$4,000 to \$5,000 free ⁴	50.64	17.79	5.07	3.49	6.11	11.04	5.86	-----
\$4,000 to \$5,000 taxed	46.53	22.03	6.38	4.15	8.08	3.19	9.64	-----
\$5,000 to \$6,000 free ⁴	32.53	13.32	4.06	4.04	5.51	31.20	9.34	-----
\$5,000 to \$6,000 taxed	46.36	22.47	3.19	4.48	6.34	3.85	8.31	-----
\$6,000 to \$10,000 free ⁴	18.85	5.93	2.05	4.60	3.80	56.23	10.46	-----
\$6,000 to \$10,000 taxed	42.74	19.41	9.25	6.38	5.93	6.87	9.42	-----
\$10,000 to \$25,000	32.94	12.83	9.24	9.74	5.09	19.08	10.75	.33
\$25,000 to \$50,000	24.08	7.92	9.33	12.97	4.42	29.35	11.52	.41
\$50,000 to \$100,000	17.77	5.58	9.57	16.44	3.43	36.18	10.62	.41
\$100,000 to \$150,000	13.47	3.91	8.39	21.09	2.62	40.96	9.25	.31
\$150,000 to \$300,000	11.41	2.70	9.79	29.73	2.14	39.49	7.50	.24
\$300,000 to \$500,000	7.60	2.25	6.55	36.80	1.84	38.79	6.01	.30
\$500,000 to \$1,000,000	4.64	1.47	6.23	37.01	1.89	42.54	6.03	.19
\$1,000,000 and over	2.94	.44	2.65	51.39	.84	37.41	4.18	.15

¹ Includes capital net gain from sale of assets held more than two years exempt from normal tax but subject to a special tax. (See Table 208.)

² Including fiduciary income.

³ If not wholly exempt from tax.

⁴ Specific exemptions exceed net income.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 210.—PERSONAL INCOME TAX RETURNS: INCOME DISTRIBUTED BY SOURCES, BY STATES AND TERRITORIES 1926

[All figures in thousands of dollars]

State or Territory	Total income	From personal industry and business				From property			
		Wages and salaries	Business	Partnerships	Profits from sale of real estate, securities, etc. ¹	Rents and royalties	Dividends	Interest and investment income ²	Interest on Government obligations ³
Total.....	26, 447, 436	9, 994, 315	3, 572, 899	1, 732, 581	3, 378, 543	1, 450, 700	4, 011, 500	2, 269, 970	36, 763
Alabama.....	164, 315	69, 339	23, 498	17, 845	12, 549	12, 210	14, 018	13, 780	167
Arizona.....	48, 393	20, 492	10, 256	3, 604	2, 561	3, 118	4, 334	3, 098	31
Arkansas.....	103, 176	38, 041	20, 131	11, 544	3, 850	11, 319	10, 300	7, 889	103
California.....	1, 812, 566	621, 921	286, 908	106, 494	198, 840	174, 579	248, 429	174, 003	1, 392
Colorado.....	189, 881	69, 308	33, 668	18, 700	11, 528	13, 972	27, 043	20, 334	322
Connecticut.....	485, 216	107, 978	68, 963	21, 741	47, 702	20, 299	114, 167	48, 620	740
Delaware.....	81, 642	22, 404	7, 009	2, 065	11, 373	2, 516	23, 841	5, 710	69
Dist. of Columbia.....	228, 404	107, 733	27, 117	9, 434	16, 422	12, 060	29, 475	25, 752	412
Florida.....	479, 047	160, 614	62, 054	36, 361	101, 923	33, 586	52, 220	41, 829	460
Georgia.....	212, 092	100, 836	29, 801	17, 824	10, 821	14, 673	25, 237	12, 782	110
Hawaii.....	50, 978	22, 746	4, 948	1, 351	4, 510	2, 587	11, 045	3, 768	21
Idaho.....	47, 997	18, 318	15, 378	4, 321	1, 148	2, 569	2, 875	3, 354	23
Illinois.....	2, 324, 472	969, 315	339, 579	145, 812	201, 418	166, 653	313, 603	185, 740	2, 251
Indiana.....	305, 507	166, 520	64, 130	30, 639	35, 987	28, 021	53, 838	15, 466	865
Iowa.....	249, 292	97, 255	51, 480	20, 346	8, 761	14, 655	29, 034	27, 011	150
Kansas.....	179, 437	54, 971	50, 877	10, 127	6, 309	28, 133	15, 553	13, 230	157
Kentucky.....	107, 183	80, 913	29, 096	13, 377	14, 834	10, 720	33, 608	14, 663	502
Louisiana.....	221, 811	88, 040	82, 197	19, 283	14, 088	17, 948	29, 871	20, 479	362
Maine.....	125, 202	38, 055	22, 474	5, 768	12, 973	4, 721	23, 770	17, 219	293
Maryland.....	417, 246	175, 213	45, 028	20, 664	32, 836	18, 483	71, 140	53, 113	776
Massachusetts.....	1, 326, 364	514, 169	174, 053	79, 640	113, 863	42, 125	273, 327	120, 145	2, 145
Michigan.....	1, 034, 820	423, 683	166, 503	50, 876	106, 831	59, 098	159, 840	79, 725	1, 257
Minnesota.....	337, 827	141, 542	53, 505	22, 082	16, 130	17, 488	55, 897	30, 690	493
Mississippi.....	84, 011	31, 551	18, 871	9, 136	5, 048	6, 206	6, 708	6, 272	69
Missouri.....	598, 793	268, 382	74, 810	32, 619	39, 847	37, 028	97, 100	46, 748	1, 347
Montana.....	69, 883	31, 588	16, 631	5, 932	1, 779	3, 731	5, 242	4, 000	73
Nebraska.....	155, 805	57, 317	38, 759	10, 310	6, 187	13, 130	13, 795	16, 201	101
Nevada.....	18, 755	8, 721	4, 176	1, 633	868	772	1, 517	1, 000	8
New Hampshire.....	75, 692	26, 800	13, 710	3, 665	5, 397	3, 373	15, 878	6, 747	116
New Jersey.....	1, 153, 350	491, 758	142, 013	62, 961	115, 272	48, 806	178, 204	113, 103	1, 143
New Mexico.....	29, 302	11, 327	7, 712	2, 402	1, 494	2, 000	1, 992	2, 361	13
New York.....	5, 599, 904	2, 114, 232	557, 889	501, 326	647, 707	185, 479	1, 010, 252	561, 391	10, 095
North Carolina.....	193, 773	86, 029	31, 768	10, 055	14, 138	12, 927	39, 437	8, 181	238
North Dakota.....	42, 794	15, 445	13, 845	4, 189	822	2, 207	2, 139	4, 025	23
Ohio.....	1, 342, 088	587, 832	200, 032	73, 527	100, 019	76, 621	238, 047	61, 908	3, 112
Oklahoma.....	277, 575	79, 912	52, 245	27, 405	24, 869	38, 437	27, 066	27, 343	327
Oregon.....	161, 061	65, 231	32, 194	11, 924	9, 717	11, 099	15, 317	15, 391	217
Pennsylvania.....	2, 498, 394	968, 341	351, 450	143, 316	263, 317	118, 616	412, 882	236, 591	3, 882
Rhode Island.....	176, 791	69, 103	19, 760	7, 805	14, 185	7, 072	38, 018	19, 292	317
South Carolina.....	69, 298	31, 756	11, 882	5, 177	2, 455	4, 193	7, 427	0, 577	31
South Dakota.....	45, 759	18, 109	13, 821	4, 013	947	2, 872	2, 327	3, 017	53
Tennessee.....	200, 788	86, 404	27, 702	18, 770	12, 436	13, 694	28, 242	13, 349	191
Texas.....	653, 718	225, 400	129, 187	63, 052	52, 274	80, 994	60, 746	56, 616	806
Utah.....	63, 065	30, 070	11, 182	3, 936	1, 874	2, 523	4, 634	4, 451	93
Vermont.....	48, 057	16, 521	8, 334	3, 127	2, 745	1, 743	9, 470	0, 050	59
Virginia.....	120, 904	89, 476	27, 407	14, 741	14, 474	12, 825	35, 200	16, 358	362
Washington.....	283, 370	132, 541	52, 538	16, 241	18, 597	16, 847	27, 625	23, 683	299
West Virginia.....	168, 449	73, 274	25, 350	11, 093	10, 210	10, 060	30, 197	7, 332	422
Wisconsin.....	470, 853	201, 382	75, 906	25, 937	28, 909	21, 690	63, 279	53, 661	289
Wyoming.....	37, 246	16, 770	9, 163	2, 795	570	2, 097	2, 817	2, 981	43

¹ Includes capital net gain from sale of assets held more than two years exempt from normal tax but subject to special tax.

² Including fiduciary income.

³ If not wholly exempt from tax.

⁴ Includes Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

INCOME TAXES

No. 211.—PERSONAL INCOME TAX RETURNS :

NOTE.—See headnote Table 194. The net income here shown is subject to

State or Territory	Number of returns						Net income in thousands of dollars		
	1921	1922	1923	1924	1925	1926	1921	1922	1923
Total.....	6,662,178	6,787,481	7,698,321	7,369,788	4,171,061	4,138,092	10,577,213	21,336,213	24,777,466
Alabama.....	43,009	43,612	51,049	47,501	20,278	28,540	117,100	128,908	159,064
Alaska.....	(1)	(1)	(3)	(1)	(1)	(1)	(1)	(1)	(1)
Arizona.....	18,477	20,079	22,809	21,301	10,104	10,509	48,310	48,460	59,526
Arkansas.....	33,830	32,072	35,783	35,484	20,597	19,363	92,617	95,626	109,704
California.....	886,082	420,923	617,109	611,218	306,074	315,344	1,168,021	1,357,625	1,697,903
Colorado.....	69,670	67,463	72,366	73,350	35,808	35,110	174,401	184,872	200,573
Connecticut.....	123,269	128,431	149,820	143,460	74,595	81,449	343,017	401,720	473,805
Delaware.....	16,880	17,141	19,202	18,802	9,131	9,801	43,677	53,981	57,187
Dist. of Col.....	89,060	77,923	75,798	77,836	43,293	40,024	248,346	231,329	221,951
Florida.....	42,249	41,831	49,691	64,306	70,213	66,109	119,567	132,047	156,500
Georgia.....	67,719	69,989	71,941	62,651	37,410	36,744	180,311	199,433	222,888
Hawaii.....	11,481	11,597	12,421	12,387	9,306	9,146	37,840	37,123	42,829
Idaho.....	22,076	23,369	25,012	21,436	12,907	11,617	46,738	51,167	58,393
Illinois.....	611,558	614,442	676,489	652,501	357,448	374,725	1,833,920	1,927,937	2,297,960
Indiana.....	150,300	153,400	178,831	156,845	80,300	77,126	406,242	426,366	510,507
Iowa.....	111,483	131,870	135,864	110,404	50,379	40,470	313,703	359,563	363,242
Kansas.....	88,785	86,816	80,291	84,080	34,284	32,732	217,237	211,062	215,347
Kentucky.....	69,496	69,060	79,091	72,119	37,315	32,821	192,274	200,049	214,416
Louisiana.....	67,060	66,972	67,440	67,658	40,695	38,996	197,897	203,665	213,802
Maine.....	44,397	43,041	48,436	42,254	19,444	19,709	124,629	120,357	142,964
Maryland.....	112,663	110,899	127,770	126,226	66,152	67,160	368,691	386,830	401,260
Massachusetts.....	388,442	397,241	415,100	373,049	221,530	224,042	1,163,008	1,237,893	1,413,018
Michigan.....	250,147	267,953	350,072	323,733	188,609	176,804	667,780	796,412	1,041,933
Minnesota.....	124,501	122,885	134,309	128,237	71,291	64,227	340,834	348,741	372,377
Mississippi.....	26,614	26,807	27,851	27,213	16,985	17,196	60,104	76,982	83,494
Missouri.....	172,510	173,728	192,282	186,784	109,059	99,509	499,911	526,388	605,276
Montana.....	36,907	38,044	42,809	44,011	19,239	16,191	81,528	83,904	99,256
Nebraska.....	71,853	67,603	70,645	66,512	35,061	33,532	179,906	177,969	195,153
Nevada.....	9,719	9,723	10,467	10,664	6,104	4,797	22,456	22,897	25,712
New Hampshire.....	32,410	31,787	36,876	31,532	16,413	15,276	82,362	85,677	104,852
New Jersey.....	200,096	301,834	293,503	299,904	160,874	178,320	866,850	1,032,262	1,050,741
New Mexico.....	11,780	11,553	12,202	11,595	7,203	6,513	27,838	28,983	32,668
New York.....	1,006,637	1,102,748	1,221,654	1,215,640	751,941	752,044	3,617,757	4,110,589	4,565,315
North Carolina.....	44,161	58,009	68,161	63,864	38,740	35,332	127,993	171,929	206,639
North Dakota.....	13,440	18,750	18,054	19,160	11,715	9,831	43,033	43,707	42,974
Ohio.....	307,096	364,988	463,017	418,048	224,643	231,196	1,060,026	1,138,985	1,457,697
Oklahoma.....	69,331	72,063	70,189	63,357	40,825	37,497	191,818	217,566	221,293
Oregon.....	62,804	61,879	69,123	66,669	32,542	30,955	169,575	161,226	189,854
Pennsylvania.....	621,103	687,779	740,478	713,427	376,923	397,575	1,937,292	2,005,570	2,478,751
Rhode Island.....	48,057	50,079	66,965	48,792	29,123	26,362	157,598	171,410	214,750
South Carolina.....	25,160	26,830	28,225	28,090	15,727	13,809	68,256	72,756	87,031
South Dakota.....	21,631	21,465	21,928	26,606	17,086	12,414	47,037	48,950	50,171
Tennessee.....	60,949	63,555	69,031	66,981	34,080	35,405	170,970	190,724	226,034
Texas.....	209,188	185,865	200,683	192,735	109,448	111,438	536,897	545,902	613,495
Utah.....	26,128	27,325	30,242	28,085	16,101	13,568	62,713	67,745	79,943
Vermont.....	17,746	17,901	21,752	20,618	9,569	8,646	47,562	51,663	64,800
Virginia.....	76,257	71,523	77,461	71,697	37,507	37,797	208,332	207,277	242,587
Washington.....	1,115,688	1,233,216	1,136,067	1,138,181	178,930	161,950	2,102,110	1,800,523	1,351,985
West Virginia.....	75,277	69,501	89,203	75,037	35,810	32,544	207,157	195,777	260,343
Wisconsin.....	148,457	160,519	194,050	179,275	110,485	99,251	379,754	401,670	547,040
Wyoming.....	22,413	21,943	23,246	22,947	10,336	8,980	51,052	48,827	57,370

1 Alaska included in State of Washington.

By STATES AND TERRITORIES, 1921 to 1926.

deduction of exemptions to give net income subject to tax, see Tables 205 and 212.

Net income in thousands of dollars—Contd.			Tax yield in thousands of dollars						State or Territory
1924	1925	1926	1921	1922	1923	1924	1925	1926	
25,666,168	21,894,576	21,958,608	719,387	861,057	601,666	704,265	734,555	732,471	Total.
169,919 (1) 58,273 110,255 1,741,064	180,025 (1) 41,383 84,474 1,490,420	180,523 (1) 41,717 84,661 1,671,674	2,714 (1) 517 1,890 36,438	2,892 (1) 687 2,314 43,779	2,841 (1) 603 2,050 39,959	2,771 (1) 512 1,468 37,881	2,326 (1) 645 1,434 37,127	2,440 (1) 499 1,482 46,239	Alabama. Alaska. Arizona. Arkansas. California.
205,088 478,174 64,180 263,312 260,964	150,363 404,498 64,800 200,354 649,932	154,805 435,777 70,544 198,056 322,601	3,893 10,633 1,284 7,705 2,920	4,870 13,131 1,834 8,337 4,000	3,268 11,199 1,402 6,098 3,694	3,163 12,594 2,433 5,766 7,229	2,841 13,534 2,780 5,718 28,868	2,050 13,751 5,101 5,527 10,416	Colorado. Connecticut. Delaware. District of Columbia Florida.
210,008 46,395 52,302 2,413,005 461,717	177,204 41,465 40,444 1,975,436 344,207	171,146 42,050 30,888 1,995,011 353,025	3,893 1,452 494 68,574 8,974	4,558 1,387 479 77,196 9,570	3,756 1,319 426 62,880 7,883	3,399 1,096 261 66,583 6,666	3,530 944 171 64,792 7,609	2,888 (1) 184 64,214 9,935	Georgia. Hawaii. Idaho. Illinois. Indiana.
298,734 203,034 238,094 221,133 135,221	198,736 141,511 180,217 195,585 97,928	203,015 153,673 189,101 185,479 107,979	5,838 3,892 4,297 5,305 3,975	5,469 3,246 4,677 5,354 3,897	4,127 2,119 3,724 4,439 2,786	3,124 1,915 3,806 3,529 2,565	3,111 2,222 3,300 3,850 2,719	2,918 2,756 3,226 3,312 3,419	Iowa. Kansas. Kentucky. Louisiana. Maine.
467,226 1,320,167 1,045,850 375,589 82,653	362,485 1,132,290 910,010 305,945 73,751	374,750 1,147,576 905,815 296,414 64,860	14,537 46,553 24,198 8,697 1,069	15,364 57,731 34,065 9,419 1,804	11,540 42,528 28,051 7,084 1,686	12,073 40,857 30,984 6,126 1,150	11,623 41,052 32,293 6,476 989	11,517 37,116 32,408 6,475 644	Maryland. Massachusetts. Michigan. Minnesota. Mississippi.
632,533 107,242 180,372 27,534 94,133	533,836 66,825 141,878 10,661 70,118	512,801 59,290 134,154 10,796 60,744	14,660 1,052 3,328 320 1,759	15,973 1,029 3,165 250 2,134	13,035 721 2,534 241 1,643	12,373 731 1,548 184 1,377	14,247 530 1,733 178 1,219	13,497 562 1,382 195 1,201	Missouri. Montana. Nebraska. Nevada. New Hampshire.
1,177,421 31,951 5,144,766 200,889 48,600	943,673 23,995 4,903,229 161,624 35,695	1,032,297 24,632 4,984,020 153,232 33,169	33,258 352 210,768 3,760 489	40,933 384 273,960 4,909 453	30,553 337 192,312 4,767 276	31,941 224 236,775 3,773 268	32,333 179 252,153 3,179 163	32,858 227 247,164 3,398 180	New Jersey. New Mexico. New York. North Carolina. North Dakota.
1,403,749 211,272 189,894 2,548,133 191,556	1,141,453 219,961 132,023 2,031,306 160,955	1,146,406 223,037 135,030 2,138,160 155,051	33,574 4,207 4,652 84,660 9,236	39,310 6,414 4,240 93,574 9,352	33,062 3,910 2,892 73,267 6,558	32,062 3,794 2,025 77,874 6,722	30,321 6,897 2,175 73,364 5,818	32,839 8,135 2,175 76,837 5,546	Ohio. Oklahoma. Oregon. Pennsylvania. Rhode Island.
79,614 66,124 224,134 638,109 82,088	57,662 53,971 168,198 496,820 61,635	53,060 38,153 175,714 647,563 53,832	1,247 525 3,984 12,008 343	1,208 549 4,903 14,120 966	1,556 350 4,284 10,678 726	1,556 306 3,420 10,236 599	431 192 3,126 9,767 660	420 209 3,652 12,682 629	South Carolina. South Dakota. Tennessee. Texas. Utah.
63,631 231,056 1393,962 227,000 496,600	45,857 170,257 1272,545 144,777 418,618	42,200 170,025 1245,602 141,937 407,643	1,156 4,161 14,910 4,579 8,971	1,574 4,919 15,143 4,595 9,127	1,333 3,669 13,926 3,876 9,019	978 3,413 13,231 2,798 7,344	920 2,081 12,717 2,134 6,700	821 3,495 12,801 2,304 8,418	Vermont. Virginia. Washington. West Virginia. Wisconsin.
60,752	33,482	31,751	783	687	521	414	257	263	Wyoming.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 212.—PERSONAL INCOME TAX RETURNS:

[All money figures, except average per return and per capita tax, in thousands of dollars]

State or Territory	Number of returns	Net income ¹	Prior year loss deductions	Exemptions from normal tax				Normal tax
				Personal exemption	Dividends	Interest on Govt. obligations ²	Capital net gain ³	
Total.....	4,138,092	21,958,508	27,412	12,124,076	4,011,690	36,782	912,918	200,689
Alabama.....	28,540	130,623	119	88,870	14,918	167	2,384	1,132
Arizona.....	10,569	41,717	223	29,682	4,334	31	195	266
Arkansas.....	19,363	84,661	108	63,120	10,300	103	101	604
California.....	315,344	1,871,674	3,870	904,934	248,429	1,392	72,430	14,387
Colorado.....	35,110	154,905	147	102,735	27,043	322	3,698	902
Connecticut.....	81,449	433,777	278	231,805	114,167	740	16,401	3,271
Delaware.....	9,301	70,544	4	29,270	20,861	99	3,762	549
District of Columbia.....	40,024	198,056	97	107,030	29,475	412	5,485	1,001
Florida.....	56,100	322,601	894	172,472	52,220	460	11,961	3,408
Georgia.....	39,744	171,146	237	112,180	25,237	119	1,870	1,289
Hawaii.....	9,146	42,950	6	30,011	11,045	24	1,100	256
Idaho.....	11,617	30,883	65	35,562	2,875	23	73	162
Illinois.....	374,725	1,995,011	1,963	1,066,544	313,696	2,251	73,073	10,606
Indiana.....	77,123	368,625	153	230,864	53,838	855	20,703	2,612
Iowa.....	49,476	203,015	147	149,206	20,634	150	1,627	1,158
Kansas.....	32,732	153,673	253	102,587	15,563	157	1,072	1,354
Kentucky.....	32,821	169,101	90	90,918	33,608	562	2,373	1,267
Louisiana.....	38,906	185,479	356	115,130	29,874	362	2,066	1,624
Maine.....	19,709	107,979	253	58,990	23,770	203	6,605	805
Maryland.....	67,160	374,759	505	196,477	71,149	756	13,093	3,419
Massachusetts.....	224,042	1,147,576	405	638,860	273,327	2,145	43,062	9,492
Michigan.....	176,804	905,815	369	493,874	159,840	1,257	43,730	7,010
Minnesota.....	64,227	296,414	241	190,772	55,887	493	4,678	2,082
Mississippi.....	17,196	64,860	193	56,206	6,788	60	4,477	368
Missouri.....	99,509	512,801	654	299,651	97,106	1,347	16,441	4,096
Montana.....	16,191	50,290	397	45,464	5,242	73	196	322
Nebraska.....	33,532	134,154	152	106,388	13,795	101	515	777
Nevada.....	4,797	16,796	19	11,965	1,517	8	81	94
New Hampshire.....	15,276	66,744	64	42,834	15,873	116	1,455	381
New Jersey.....	176,320	1,032,298	599	519,393	178,204	1,143	37,894	10,143
New Mexico.....	6,513	24,632	88	19,195	1,993	13	327	146
New York.....	763,044	4,984,020	5,992	2,204,626	1,019,252	10,005	288,010	68,175
North Carolina.....	35,332	153,232	57	110,693	30,437	238	2,589	934
North Dakota.....	9,881	33,169	33	31,090	2,139	23	50	143
Ohio.....	231,196	1,146,496	1,204	682,471	238,947	3,112	45,280	8,391
Oklahoma.....	37,497	223,037	625	126,320	27,066	327	10,482	2,545
Oregon.....	30,955	135,030	183	89,116	15,317	217	3,831	950
Pennsylvania.....	397,575	2,138,169	1,481	1,168,767	412,882	3,882	123,593	18,515
Rhode Island.....	26,362	155,051	78	76,039	38,018	347	4,440	1,332
South Carolina.....	13,800	53,960	50	43,987	7,427	31	68	252
South Dakota.....	12,414	38,153	15	30,824	2,327	53	(⁴)	138
Tennessee.....	35,495	175,714	384	109,462	28,242	191	3,392	1,402
Texas.....	111,438	547,562	3,407	318,880	80,746	806	18,321	5,205
Utah.....	13,568	53,832	76	41,255	8,934	93	442	264
Vermont.....	8,646	42,209	53	24,898	9,479	50	684	205
Virginia.....	37,797	176,025	195	115,073	35,200	362	3,500	1,120
Washington.....	81,960	245,692	468	167,823	27,625	299	2,678	1,484
West Virginia.....	32,544	141,897	67	96,879	30,197	422	2,695	725
Wisconsin.....	99,251	407,043	48	300,394	63,279	289	12,397	2,595
Wyoming.....	8,930	31,751	60	25,308	2,817	43	3	170

¹ Capital net gain from sale of assets held more than two years is included in net income, but capital net loss from sale of assets held more than two years and net loss for prior year are not deducted.

² If not wholly exempt from tax.

³ Relates to net gain from sale of assets held for more than two years exempt from normal tax but subject to a special tax.

⁴ Tax (12½ per cent) on capital net gain from sale of assets held for more than two years, less tax credit of 12½ per cent on capital net loss on such sales.

ANALYSIS BY STATES AND TERRITORIES, 1926

[All money figures, except average per return and per capita tax, in thousands of dollars]

Surtax	Net tax on capital net gain ⁴	Tax credit of 25 per cent of tax on earned net income	Net tax	Average per return (dollars)		Tax per capita of total population (dollars) ⁵	Per cent of population filing returns	Per cent of United States total				State or Territory
				Net income	Tax			Population	Returns	Net income	Tax	
448,330	108,188	24,647	732,471	5,306.43	177.01	6.23	3.52	100.00	100.00	100.00	100.00	Total.
1,182	282	147	2,449	4,783.57	85.82	.97	1.13	2.15	.69	.62	.33	Ala.
244	23	34	490	3,900.60	47.47	1.12	2.36	.38	.26	.19	.07	Ariz.
940	9	62	1,481	4,372.31	76.50	.78	1.02	1.62	.47	.39	.20	Ark.
24,560	8,899	1,608	46,238	4,684.00	146.63	10.71	7.31	3.67	7.62	7.16	6.31	Calif.
1,680	429	142	2,959	4,499.13	84.29	2.79	3.32	.90	.86	.70	.40	Colo.
9,011	1,914	445	13,751	5,325.75	168.33	8.56	5.07	1.37	1.97	1.98	1.88	Conn.
4,182	426	56	5,101	3,493.68	548.42	21.25	3.88	.20	.22	.32	.70	Del.
3,219	645	299	5,526	4,948.43	138.08	10.47	7.58	.45	.97	.90	.75	D. C.
5,919	1,436	347	10,416	5,749.54	185.63	7.91	4.26	1.12	1.36	1.47	1.42	Fla.
1,572	219	192	2,888	4,657.81	78.61	.92	1.17	2.07	.80	.78	.39	Ga.
750	123	33	1,096	4,696.07	119.86	3.67	3.06	.25	.22	.19	.15	Hawaii
47		25	184	3,493.58	15.87	.35	2.23	.45	.28	.18	.08	Idaho.
38,537	8,559	2,578	64,214	5,323.93	171.36	3.91	5.20	6.13	9.05	9.09	8.77	Ill.
5,837	2,541	355	9,935	4,649.86	128.81	3.18	2.47	2.66	1.86	1.63	1.36	Ind.
1,747	191	173	2,918	4,103.31	58.97	1.20	2.04	2.06	1.20	.92	.40	Iowa.
1,426	102	126	2,756	4,694.89	84.20	1.51	1.80	1.55	.79	.70	.38	Kans.
1,844	285	160	3,226	5,152.22	98.30	1.28	1.30	2.15	.79	.77	.44	Ky.
1,702	253	167	3,312	4,756.36	84.92	1.73	2.03	1.63	.94	.84	.45	La.
1,907	802	94	3,420	5,478.67	173.50	4.38	2.40	.07	.48	.49	.47	Me.
6,948	1,561	401	11,617	5,550.09	171.49	7.29	4.25	1.35	1.62	1.71	1.57	Md.
23,793	5,090	1,269	37,116	5,122.15	165.67	8.84	5.34	3.77	5.41	5.23	5.07	Mass.
20,144	5,356	1,002	32,408	5,123.27	183.30	7.37	4.02	3.84	4.27	4.13	4.42	Mich.
4,171	547	325	6,475	4,616.10	100.82	2.44	2.42	2.26	1.66	1.85	.88	Minn.
259	58	41	644	3,771.80	37.44	.36	.96	1.62	.42	.30	.09	Miss.
8,023	1,978	600	13,497	5,153.31	135.63	3.86	2.84	2.98	2.40	2.34	1.84	Mo.
266	20	46	562	3,661.91	34.70	.81	2.33	.50	.39	.27	.08	Mont.
668	60	123	1,352	4,000.77	41.19	1.00	2.42	1.18	.81	.61	.19	Nebr.
104	11	13	196	3,501.32	40.75	2.53	6.20	.07	.12	.08	.03	Nev.
708	165	63	1,201	4,369.19	78.84	2.65	3.36	.39	.87	.30	.16	N. H.
19,589	4,512	1,386	32,858	5,854.68	186.35	8.93	4.70	3.13	4.26	4.70	4.40	N. J.
60	39	17	223	3,781.90	34.93	.59	1.68	.33	.16	.11	.03	N. M.
161,750	33,716	6,477	247,164	6,618.50	328.22	21.87	6.66	9.62	18.19	22.70	33.74	N. Y.
2,271	320	127	3,398	4,336.92	96.18	1.19	1.24	2.43	.85	.70	.46	N. C.
50	8	21	180	3,356.86	18.22	.28	1.54	.55	.24	.15	.02	N. D.
20,449	5,380	1,381	32,839	4,958.98	142.04	4.98	3.50	5.02	5.69	5.22	4.48	Ohio.
4,660	1,135	205	8,135	5,948.12	216.94	3.47	1.60	1.99	.91	1.02	1.11	Okla.
903	459	137	2,175	4,362.14	70.27	2.48	3.53	.75	.75	.61	.30	Oreg.
45,736	14,810	2,174	76,887	5,378.03	193.39	8.00	4.14	3.18	9.61	9.74	10.50	Pa.
3,859	525	170	5,546	5,881.61	210.37	8.00	3.80	.59	.64	.71	.76	R. I.
201	8	41	420	3,842.45	30.43	.23	.76	1.55	.83	.24	.06	S. C.
92	(⁶)	21	209	3,073.41	16.83	.30	1.80	.69	.30	.17	.03	S. D.
2,023	418	192	3,651	4,950.40	102.87	1.48	1.44	2.10	.86	.80	.50	Tenn.
5,998	2,166	487	12,682	4,913.61	113.80	2.39	2.10	4.52	2.69	2.49	1.73	Tex.
353	54	62	629	3,967.68	46.34	1.22	2.64	.44	.33	.25	.09	Utah.
520	74	38	821	4,881.92	94.99	2.33	2.45	.30	.21	.19	.11	Vt.
2,097	421	149	3,495	4,657.11	92.47	1.70	1.50	2.14	.91	.80	.48	Va.
1,185	360	218	2,801	3,964.39	45.21	1.76	3.89	1.36	1.50	1.12	.38	Wash. ⁷
1,387	800	107	2,305	4,344.79	70.81	1.38	1.95	1.42	.79	.64	.31	W. Va.
4,889	1,519	385	8,418	4,107.19	84.82	2.92	3.44	2.46	2.40	1.86	1.15	Wis.
118	(⁶)	25	263	3,555.60	29.49	1.11	3.78	.20	.22	.14	.04	Wyo.

⁵ Estimated by Bureau of the Census as of July 1, 1926.

⁶ Less than \$500.

⁷ Includes figures for Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 213.—FEDERAL ESTATE TAX RETURNS: RETURNS OF RESIDENT DECEDENTS DISTRIBUTED BY SIZE OF NET ESTATE

[All money figures, except average amount of tax per return, in thousands of dollars]

	Grand total					
	1916-1922	1923	1924	1925	1926	1927
Number of returns.....	54,483	13,013	12,403	14,013	13,142	9,333
Gross estate, total.....	11,665,014	2,494,979	2,850,249	2,958,303	3,986,267	3,146,990
Real estate.....	()	915,093	653,434	651,220	647,836	573,454
Bonds exempt or partially exempt.....	()	169,398	162,470	228,511	266,899	239,887
Other bonds.....	()	179,742	165,050	232,173	255,583	250,897
Capital stock in corporations.....	()	780,670	738,363	973,886	1,206,396	1,223,082
All other.....	()	726,466	710,332	872,564	924,563	834,000
Deductions, total.....	4,789,884	1,211,400	1,160,284	1,408,812	1,504,212	1,490,088
Specific exemption.....	2,721,650	650,650	620,000	700,650	680,400	798,910
Charitable, public, and similar bequests.....	400,384	73,592	65,028	116,300	226,708	130,975
Property from an estate taxed within 5 years.....	132,455	55,916	67,713	88,811	71,065	73,482
Funeral and administrative expenses, debts, mortgages, etc.....	1,475,305	391,605	366,608	444,016	463,499	440,175
Insurance exemption.....		39,638	40,036	67,875	63,540	46,494
Net taxable estate ²	7,028,455	1,347,082	1,261,602	1,621,008	1,951,909	1,735,840
Total tax.....	466,977	68,090	65,900	96,931	138,056	100,632
Tax credit ³				10,707	36,732	60,601
Net tax.....	466,977	68,090	65,900	86,224	101,324	40,031
Average tax per return (dollars).....	8,570	5,232	5,313	6,153	7,710	4,370
Average rate of tax on net taxable estate (per cent).....	6.64	5.05	5.22	5.31	5.19	2.36

	1927: No net estate	1927: Estate of—					
		Under \$50,000	\$50,000—\$200,000	\$200,000—\$600,000	\$600,000—\$1,000,000	\$1,000,000—\$5,000,000	\$5,000,000 and over
Number of returns.....	2,302	2,690	2,491	1,187	286	274	33
Gross estate, total.....	295,305	350,058	608,425	625,617	301,237	628,551	337,097
Real estate.....	91,135	90,093	132,840	107,772	46,652	74,423	21,064
Bonds exempt or partially exempt.....	11,643	15,830	35,339	43,956	23,651	70,425	28,034
Other bonds.....	14,287	26,934	54,940	53,807	24,322	43,564	13,043
Capital stock in corporations.....	69,296	85,287	187,258	242,507	132,679	320,365	196,600
All other.....	118,944	122,930	198,048	177,575	69,033	119,774	77,756
Deductions, total.....	874,802	292,019	337,871	221,959	83,251	118,685	61,359
Specific exemption.....	203,000	216,400	218,350	106,310	25,550	25,250	3,050
Charitable, public, and similar bequests.....	35,148	11,013	16,316	19,647	15,690	19,015	12,746
Property from an estate taxed within 5 years.....	20,663	4,450	11,455	13,003	3,020	6,288	5,643
Funeral and administrative expenses, debts, mortgages, etc.....	98,008	51,400	73,504	74,350	34,796	63,317	39,731
Insurance exemption.....	9,013	8,756	12,746	8,580	3,195	3,915	289
Net taxable estate ²	479,537	58,039	270,554	403,658	217,986	509,866	275,738
Total tax.....		583	4,641	12,101	9,341	36,332	37,634
Tax credit ³		269	2,770	7,346	5,742	20,713	22,761
Net tax.....		314	1,871	4,755	3,599	15,619	14,773
Average tax per return (dollars).....		117	751	4,006	12,684	67,003	447,066
Average rate of tax on net taxable estate (per cent).....		.54	.69	1.18	1.65	3.06	5.36

¹ Not available.

² In arriving at grand total net taxable estate the grand total deductions shown are diminished by the deductions in excess of gross estate shown for 1927 in column "No net estate."

³ Credit for payments of estate, inheritance, legacy, or succession taxes actually made to any of the several States or Territories.

⁴ Deductions in excess of gross estate.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 214.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING, BY SPECIFIC LOANS, JUNE 30, 1928

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT								
Consols of 1930:								
Act of Mar. 14, 1900.....	Apr. 1, 1900	After Apr. 1, 1930.	<i>Per cent</i> 2	Jan., Apr., July, and Oct. 1.	\$100.5116	\$839,146,340	\$646,250,150	\$599,724,050
Panama Canal Loan:								
Acts of June 28, 1902, and Dec. 21, 1905.....	Aug. 1, 1906	After Aug. 1, 1916; on Aug. 1, 1936.	2	Feb., May, Aug., and Nov. 1.	103.513	130,000,000	54,631,980	48,954,180
	Nov. 1, 1908	After Nov. 1, 1918; on Nov. 1, 1938.	2	do.....	102.436		30,000,000	25,947,400
Acts of Aug. 5, 1909; Feb. 4, 1910; and Mar. 2, 1911.	June 1, 1911	On June 1, 1961	3	Mar., June, Sept., and Dec. 1.	102.582	290,569,000	50,000,000	49,800,000
Postal Savings bonds:								
Act of June 25, 1910.....	Jan. 1, July 1, 1911-1928.	On and after 1 year; 20 years from issue.	2½	Jan. and July 1	Par.....	Indefinite.	74,812,380	14,812,380
Conversion bonds:								
Act of Dec. 23, 1913.....	Jan. 1, 1916 and 1917.	30 years from issue.	3	Jan., Apr., July, and Oct. 1.	Exchange at par.		28,894,500	28,894,500
First Liberty Loan:								
First 3½'s, act of Apr. 24, 1917.....	June 15, 1917	On and after June 15, 1932; on June 15, 1947.	3½		Par.....	5,538,945,460	1,980,455,550	1,397,686,200
First 4's, acts of Apr. 24, 1917 and Sept. 24, 1917. ¹	Nov. 15, 1917	do.....	4	June and Dec. 15.	Conversion at par.	1,989,455,550	568,318,450	5,155,650
First 4½'s; same acts	May 9, 1918	do.....	4½		do.....	1,989,455,550	555,212,300	532,820,150
First second 4½'s; same acts	Oct. 24, 1918	do.....	4½		do.....	1,413,566,550	3,492,150	3,492,150
Third Liberty Loan:								
Act of Sept. 24, 1917. ¹	May 9, 1918	On Sept. 15, 1928.	4½	Mar. and Sept. 15.	Par.....	8,192,135,000	4,175,650,050	1,228,848,600
Fourth Liberty Loan:								
Act of Sept. 24, 1917. ¹	Oct. 24, 1918	On and after Oct. 15, 1933; on Oct. 15, 1938.	4½	Apr. and Oct. 15.	do.....	12,016,484,950	6,964,581,100	6,294,043,600
Treasury bonds, act of Sept. 24, 1917: ¹								
4½ per cent bonds of 1947-1952.....	Oct. 16, 1922	On and after Oct. 15, 1947; on Oct. 15, 1952.	4½	do.....	Par.....	619,314,850	619,314,850	762,320,300
					Exchange at par.	144,647,450	144,647,450	
4 per cent bonds of 1944-1954.....	Dec. 15, 1924	On and after Dec. 15, 1944; on Dec. 15, 1954.	4	June and Dec. 15.	Par.....	224,513,500	224,513,500	1,042,401,500
					Exchange at par.	532,420,300	532,420,300	
3¾ per cent bonds of 1946-1956.....	Mar. 15, 1926	On and after Mar. 15, 1946; on Mar. 15, 1956.	3¾	Mar. and Sept. 15.	100.50	290,154,700	290,154,700	491,212,100
					100.50	494,898,100	494,898,100	

¹ As amended.

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PUBLIC DEBT

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No. 214.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING, BY SPECIFIC LOANS, JUNE 30, 1928—Continued

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT—contd.								
Treasury bonds, act of Sept. 24, 1917—Contd. 3½ per cent bonds of 1943-1947	June 15, 1927	On and after June 15, 1943; on June 15, 1947.	3½	June and Dec. 15	\$100.50 Exchange at par.	\$249,598,300 245,266,450	\$249,598,300 245,266,450	\$194,704,750
Treasury notes, act of Sept. 24, 1917: 1 Series A-1930-1932	Mar. 15, 1927	On and after Mar. 15, 1930; on Mar. 15, 1932.	3½	Mar. and Sept. 15	do		1,360,456,450	
Series B-1930-1932	Sept. 15, 1927	On and after Sept. 15, 1930; on Sept. 15, 1932.	3½	do	Par. Exchange at 100.125		250,522,600 368,973,100	615,095,700
Series C-1930-1932	Jan. 16, 1928	On and after Dec. 15, 1930; on Dec. 15, 1932.	3½	June and Dec. 15	Exchange at par.		607,399,650	
Adjusted service— Series A-1930	Jan. 1, 1925	After Jan. 1, 1926; on Jan. 1, 1930.	4	Jan. 1	Par.		50,000,000	31,500,000
Series A-1931	Jan. 1, 1926	After Jan. 1, 1927; on Jan. 1, 1931.	4	do	do	Not exceeding \$7,500,000,000 outstanding at any one time.	53,500,000	53,500,000
Series B-1931	Mar. 5, 1926	After Mar. 5, 1927; on Jan. 1, 1931.	4	do	do		70,000,000	70,000,000
Series A-1932	Jan. 1, 1927	After Jan. 1, 1928; on Jan. 1, 1932.	4	do	do		123,400,000	123,400,000
Series A-1933	Jan. 1, 1928	After Jan. 1, 1929; on Jan. 1, 1933.	4	do	do		123,400,000	123,400,000
Civil service retirement fund— Series 1931	Mar. 14, 1927	After Mar. 14, 1928; on June 30, 1931.	4	June 30	do		31,200,000	31,200,000
Series 1932	June 30, 1927	After June 30, 1928; on June 30, 1932.	4	do	do		14,400,000	14,400,000
Series 1933	June 30, 1928	After June 30, 1929; on June 30, 1933.	4	do	do		14,800,000	14,800,000
Foreign service retirement fund— Series 1933	do	After June 30, 1929; on June 30, 1933.	4	do	do		152,000	152,000
Certificates of indebtedness, act of Sept. 24, 1917: 1 Series TD-1928	Dec. 15, 1927	On Dec. 15, 1928	3¼	June and Dec. 15	do	Not exceeding \$10,000,000,000 outstanding at any one time.	261,761,000	261,761,000
Series TD 2-1928	Mar. 15, 1928	do	3½	do	do		201,544,500	201,544,500
Series TD 3-1928	June 15, 1928	do	4	Dec. 15	do		216,371,500	216,371,500
Series TM-1929	Mar. 15, 1928	On Mar. 15, 1929	3¾	Sept. and Mar. 15	do		360,947,000	360,947,000
Series TM 2-1929	June 15, 1928	do	3¾	do	do		211,784,000	211,784,000

Treasury savings certificates, ² act of Sept. 24, 1917: ¹							
Series 1923, issue of Sept. 30, 1922.....	Sept. 30, 1922	5 years from date of issue.	3-4	} Sold at discount, payable at par on maturity.	} (Not exceeding \$4,000,000,000 outstanding at any one time.)	181,967,127	27,431,327
Series 1923, issue of Dec. 1, 1923.....	Dec. 1, 1923	do.	3½-4½			30,895,958	23,302,603
Series 1924, issue of Dec. 1, 1923.....	do.	do.	3½-4½			119,600,469	93,735,106
Total interest-bearing debt.....							17,317,695,096
Total matured debt on which interest has ceased.....							45,331,660

Title and authorizing act	Authorized to be outstanding at one time	Issues or deposits, including reissues	Authorized to be outstanding at present time	Outstanding
NONINTEREST-BEARING DEBT				
Old demand notes: Acts of July 17, 1861; Aug. 5, 1861; Feb. 12, 1862.....	\$60,000,000	* \$60,030,000		\$53,013
Fractional currency: Acts of July 17, 1862; Mar. 3, 1863; June 30, 1864.....	50,000,000	* 368,724,080		41,992,474
Legal-tender notes: Acts of Feb. 25, 1862; July 11, 1862; Mar. 3, 1863; May 31, 1878; Mar. 14, 1900; Mar. 4, 1907.....	450,000,000		\$346,681,016	346,681,016
National-bank notes (redemption account—balance remaining of deposits by National banks to redeem their circulating notes): Act of July 14, 1890.....	Indefinite.			45,039,852
Thrift and Treasury savings stamps, unclassified sales, etc.....				3,536,540
Total noninterest-bearing debt.....				\$97,302,895
Total debt.....				17,760,329,651
Less gold reserve.....				156,039,088
Gross debt as shown on statement of the public debt June 30, 1928.....				17,604,290,563

¹ As amended.

² Amounts issued and amounts outstanding of Treasury savings certificates are on basis of net redemption value.

³ Including reissues.

⁴ After deducting amounts officially estimated to have been lost or irrevocably destroyed.

Source: Annual Report of the Secretary of the Treasury.

No. 215.—PUBLIC DEBT OF THE UNITED STATES: SUMMARY OF TRANSACTIONS IN INTEREST-BEARING SECURITIES DURING THE FISCAL YEAR 1928

[All figures in thousands of dollars]

Account	Total	Pre-war bonds	Liberty and Treasury bonds	Treasury notes	Certificates of indebtedness	Treasury (war) savings securities
Outstanding June 30, 1927.....	18,250,944	766,550	14,463,845	2,019,195	702,098	309,259
Issued during the fiscal year 1928:						
Upon original subscription against cash.....	6,830,215	1,583	27,063	1,365,247	5,419,284	17,048
Upon exchange, etc., for securities of equal par value retired—						
Exchange—						
Interim certificates.....	11		11			
Coupon for registered.....	243,792	367	243,425			
Registered for coupon.....	869,224		369,224			
Of denominations.....	2,030,853		569,845	614,358	846,650	
Temporary for permanent.....	3,264		3,264			
Mutilated for perfect ¹	27		27			
Transfer of ownership.....	271,279	59,333	191,060	20,000		2,879
Conversion.....	1		1			
Upon adjudicated claims for replacement.....	560	1	456			104
Total issued during the fiscal year 1928.....	9,749,226	61,283	1,404,373	1,999,605	8,265,934	18,031
Retired during the fiscal year 1928:						
Account of redemption—						
Purchases—						
Cumulative sinking fund.....	172,496		152,496	20,000		
Surplus money in the Treasury.....	337,415		337,415			
Proceeds of sales of Treasury notes.....	20,000			20,000		
Securities received for redemption—						
Cumulative sinking fund.....	182,245		182,245			
Gifts, forfeitures, etc.....	3,080		3,078	(²)	1	1
Repayments of principal by foreign governments.....	46,497		387	28,478	17,633	
Interest payments on obligations of foreign governments.....	135,807			135,307		
Estate or inheritance taxes.....	2		2			
Redemption—exchange in payments for—						
Treasury bonds of 1943-1947.....	27,053		27,053			
Treasury notes, series B-1930-1932.....	368,973		368,973			
Treasury notes, series C-1930-1932.....	607,400		607,400			
Certificates of indebtedness, series T-1928.....	2,304		2,304			
Prior to call or maturity.....	235,083			88,500	191,825	5,288
Upon call.....	514,112		514,112			
At maturity.....	5,071,759			241,301	4,657,008	178,450
Account of exchange, etc., for securities of equal par value issued—						
Exchange—						
Interim certificates.....	11		11			
Coupon for registered.....	243,792	367	243,425			
Registered for coupon.....	869,224		369,224			
Of denominations.....	2,030,853		569,845	614,358	846,650	
Temporary for permanent.....	3,264		3,264			
Mutilated for perfect ¹	27		27			
Transfer of ownership.....	271,279	59,333	191,060	20,000		2,879
Conversion.....	1		1			
Account of loss or destruction ⁴	560	1	456			104
Total retired during the fiscal year 1928.....	10,642,738	69,700	3,672,785	1,117,944	5,712,817	179,691
Outstanding June 30, 1928.....	17,367,432	768,133	12,285,433	2,900,855	1,255,413	147,599
Deduct interest-bearing debt which matured during the year.....	39,737		32,748	855	3,005	3,130
Outstanding June 30, 1928 (per public debt statement).....	17,317,695	768,133	12,252,685	2,900,001	1,252,408	144,469

¹ Includes coupon error transactions.

² Represents reissue transactions.

³ Less than \$500.

⁴ Covered by insurance or bonds of indemnity.

Source: Annual Report of the Secretary of the Treasury.

No. 216.—PUBLIC DEBT OF THE UNITED STATES: 1800 TO 1929

[All figures except per capita in thousands of dollars]

June 30—	Gross debt ¹		Interest bearing ²	Matured	Non-interest bearing ¹	June 30—	Gross debt ¹		Interest bearing ²	Matured	Non-interest bearing ¹
	Amount	Per capita					Amount	Per capita			
1800.	82, 076	\$15. 03	-----	-----	-----	1803.	901, 432	\$14. 49	585, 037	2, 094	374, 301
1810.	53, 173	7. 34	-----	-----	-----	1804.	1, 016, 898	15. 04	635, 042	1, 851	390, 005
1820.	91, 016	9. 44	-----	-----	-----	1805.	1, 006, 913	15. 91	716, 202	1, 722	378, 989
1830.	48, 566	3. 77	-----	-----	-----	1806.	1, 222, 729	17. 40	847, 364	1, 637	373, 729
1840.	3, 578	. 21	-----	-----	-----	1807.	1, 226, 794	17. 14	847, 365	1, 347	373, 082
1850.	63, 453	2. 74	-----	-----	-----	1808.	1, 232, 743	16. 90	847, 367	1, 263	384, 113
1855.	35, 588	1. 32	85, 418	170	-----	1809.	1, 436, 701	19. 33	1, 045, 049	1, 218	389, 434
1860.	64, 844	2. 06	84, 083	161	-----	1900.	1, 203, 417	16. 56	1, 023, 479	1, 176	238, 762
1864.	1, 815, 831	53. 33	1, 960, 027	867	455, 437	1901.	1, 221, 572	15. 71	987, 141	1, 116	233, 016
1865.	2, 077, 929	77. 07	2, 217, 709	2, 129	468, 090	1902.	1, 178, 031	14. 89	931, 070	1, 421	245, 080
1866.	2, 755, 764	77. 09	2, 322, 116	4, 436	429, 212	1903.	1, 159, 406	14. 40	914, 541	1, 205	243, 659
1867.	2, 650, 168	73. 19	2, 238, 955	1, 739	409, 474	1904.	1, 136, 259	13. 88	895, 167	1, 071	239, 131
1868.	2, 583, 446	69. 87	2, 191, 826	1, 246	390, 874	1905.	1, 132, 357	13. 60	895, 168	1, 170	235, 829
1869.	2, 545, 111	67. 41	2, 151, 495	5, 112	388, 503	1906.	1, 142, 523	13. 50	895, 169	1, 328	240, 238
1870.	2, 436, 463	63. 19	2, 035, 881	3, 570	307, 003	1907.	1, 147, 178	13. 33	894, 834	1, 087	251, 257
1871.	2, 322, 052	68. 70	1, 920, 097	1, 940	369, 406	1908.	1, 177, 690	13. 46	897, 504	4, 130	276, 056
1872.	2, 209, 991	54. 44	1, 800, 794	7, 927	401, 270	1909.	1, 148, 315	12. 91	913, 317	2, 884	232, 114
1873.	2, 151, 210	51. 62	1, 096, 484	51, 929	402, 797	1910.	1, 146, 940	12. 69	913, 317	1, 125	231, 498
1874.	2, 159, 933	50. 47	1, 724, 631	3, 216	431, 786	1911.	1, 163, 985	12. 23	915, 353	1, 280	236, 752
1875.	2, 156, 277	49. 06	1, 708, 076	11, 426	436, 175	1912.	1, 193, 839	12. 48	933, 777	1, 760	228, 301
1876.	2, 130, 846	47. 21	1, 696, 686	8, 902	430, 258	1913.	1, 193, 048	12. 26	955, 707	1, 660	225, 682
1877.	2, 107, 760	45. 47	1, 697, 888	16, 640	393, 223	1914.	1, 188, 235	12. 00	967, 953	1, 563	213, 730
1878.	2, 159, 418	45. 37	1, 780, 736	5, 594	373, 089	1915.	1, 191, 264	11. 83	999, 759	1, 578	219, 998
1879.	2, 298, 913	47. 05	1, 887, 716	37, 015	374, 181	1916.	1, 226, 146	11. 96	971, 563	1, 473	252, 110
1880.	2, 090, 909	41. 69	1, 709, 993	7, 621	373, 295	1917.	2, 075, 019	28. 57	1, 712, 549	14, 232	248, 837
1881.	2, 019, 286	39. 35	1, 625, 568	6, 724	386, 904	1918.	12, 243, 620	115. 65	11, 985, 882	20, 243	237, 504
1882.	1, 856, 016	35. 37	1, 449, 810	16, 281	390, 845	1919.	25, 482, 034	240. 09	25, 234, 496	11, 109	235, 429
1883.	1, 721, 959	32. 07	1, 324, 229	7, 831	380, 869	1920.	24, 297, 018	228. 33	24, 061, 095	6, 748	230, 075
1884.	1, 625, 307	29. 60	1, 212, 559	19, 050	393, 088	1921.	23, 070, 261	221. 82	23, 737, 352	10, 940	227, 959
1885.	1, 578, 551	28. 11	1, 182, 151	4, 101	392, 299	1922.	22, 964, 079	209. 25	22, 711, 036	26, 251	227, 793
1886.	1, 555, 660	27. 10	1, 132, 014	9, 704	413, 941	1923.	22, 346, 680	200. 86	22, 007, 591	98, 172	243, 925
1887.	1, 465, 485	24. 97	1, 007, 692	6, 115	431, 678	1924.	21, 251, 120	188. 59	20, 981, 586	30, 241	239, 293
1888.	1, 384, 632	23. 09	986, 622	2, 496	445, 613	1925.	20, 516, 272	179. 80	20, 310, 906	30, 243	275, 123
1889.	1, 246, 471	20. 39	815, 854	1, 911	431, 705	1926.	19, 643, 183	170. 04	19, 203, 771	13, 328	246, 084
1890.	1, 122, 397	17. 92	711, 313	1, 816	409, 268	1927.	18, 510, 174	158. 28	18, 260, 944	14, 707	244, 623
1891.	1, 005, 807	15. 75	610, 629	1, 615	393, 663	1928.	17, 604, 261	148. 73	17, 317, 695	45, 332	241, 264
1892.	908, 219	14. 88	585, 029	2, 786	380, 404	1929 ^a	16, 931, 088	141. 34	16, 638, 941	50, 749	241, 898

Date	Gross debt ¹	Interest-bearing debt					Matured debt on which interest has ceased	Debt bearing no interest ¹
		Pre-war loans un-matured	Liberty and Treasury bonds	Notes (Victory Liberty Loan and Treasury)	Certificates of indebtedness	Treasury savings securities ²		
Apr. 5, 1917	1, 281, 909	1, 023, 557	-----	-----	-----	-----	1, 459	256, 952
June 30, 1917	2, 976, 629	973, 357	1, 466, 335	-----	-----	272, 857	14, 232	248, 837
June 30, 1918	12, 243, 620	966, 166	8, 963, 714	-----	-----	1, 706, 205	20, 243	237, 504
June 30, 1919	25, 482, 034	883, 360	16, 304, 310	3, 467, 845	3, 624, 983	953, 907	11, 109	236, 429
Aug. 31, 1919 ^a	20, 594, 268	883, 463	16, 219, 369	4, 113, 405	4, 201, 209	931, 302	9, 914	235, 576
June 30, 1920	24, 297, 018	883, 549	15, 334, 836	4, 246, 365	2, 768, 926	827, 419	6, 748	230, 075
June 30, 1921	23, 070, 261	883, 728	15, 235, 216	4, 224, 972	2, 699, 330	694, 105	10, 940	227, 959
June 30, 1922	22, 964, 079	883, 840	15, 081, 813	4, 237, 750	1, 828, 787	679, 015	25, 251	227, 793
June 30, 1923	22, 346, 680	883, 670	15, 051, 108	4, 104, 195	1, 031, 418	337, 109	98, 172	243, 925
June 30, 1924	21, 251, 120	883, 704	15, 141, 756	3, 735, 309	807, 514	413, 304	30, 241	239, 293
June 30, 1925	20, 516, 272	785, 316	16, 076, 974	2, 404, 241	578, 085	385, 690	30, 243	275, 123
June 30, 1926	19, 643, 183	765, 860	16, 162, 418	1, 612, 404	483, 279	359, 810	13, 328	246, 084
June 30, 1927	18, 510, 174	769, 530	14, 453, 845	2, 019, 195	702, 096	309, 259	14, 707	244, 623
Dec. 31, 1927	18, 036, 050	767, 272	13, 174, 501	2, 252, 210	1, 247, 045	244, 646	110, 441	239, 942
June 30, 1928	17, 604, 261	768, 133	12, 252, 685	2, 900, 001	1, 252, 408	144, 469	45, 332	241, 264
Dec. 31, 1928	17, 309, 742	760, 196	11, 360, 180	2, 816, 602	1, 050, 110	94, 718	82, 966	235, 951
June 30, 1929 ^a	16, 931, 088	770, 207	11, 854, 495	2, 861, 012	1, 040, 200	18, 028	50, 749	241, 898

¹ After deducting gold reserve.

² Exclusive of bonds issued to the Pacific railways and the Navy pension fund.

^a Amounts outstanding of series of 1918, 1919, 1920, and 1921 (except issue of Dec. 15, 1921) are amounts issued on the basis of reports of sales or of cash receipts less amounts retired on the basis of redemption value. Amounts outstanding of all other series are the net redemption value. Includes net receipts from the sale of thrift stamps and Treasury savings stamps prior to June 30, 1926.

^b Maximum figure.

^c Preliminary statement of public debt.

Source: Annual reports of the Secretary of the Treasury.

No. 217.—PUBLIC DEBT OF THE UNITED STATES: TRANSACTIONS DURING THE YEARS ENDED JUNE 30, 1917 TO 1928

[All figures in thousands of dollars]

	1917-1923	1924	1925	1926	1927	1928
Gross debt outstanding at beginning of period or year	1, 325, 146	22, 349, 688	21, 251, 120	20, 516, 272	19, 043, 183	18, 510, 174
Interest-bearing debt.....	971, 563	22, 007, 591	20, 981, 586	20, 210, 906	19, 383, 771	18, 250, 044
Matured debt on which interest has ceased.....	1, 473	98, 172	30, 241	30, 243	13, 328	14, 707
Debt bearing no interest (less gold reserve).....	252, 110	243, 925	239, 293	275, 123	246, 084	244, 523
Public debt issues	86, 609, 888	2, 207, 129	3, 152, 483	3, 008, 357	5, 185, 083	6, 855, 341
Pre-war issues.....	73, 121	34	102	544	690	1, 683
Certificates of indebtedness.....	53, 304, 222	2, 014, 893	1, 926, 579	2, 355, 515	3, 145, 735	5, 419, 284
First Liberty loan.....	1, 989, 456	.....	.....	.....	.....	.....
Second Liberty loan.....	3, 807, 805	.....	.....	.....	.....	.....
Third Liberty loan.....	4, 175, 650	.....	.....	.....	.....	.....
Fourth Liberty loan.....	6, 064, 581	.....	.....	.....	.....	.....
Victory Liberty loan.....	4, 495, 373	.....	.....	.....	.....	.....
Treasury notes.....	4, 247, 535	210	50, 000	123, 500	1, 529, 456	1, 365, 247
Treasury bonds.....	763, 062	.....	1, 047, 089	494, 898	467, 802	27, 053
Treasury (war) savings securities.....	1, 462, 092	163, 540	23, 247	11, 677	13, 572	17, 052
National-bank notes, retirements.....	325, 111	28, 454	105, 447	22, 223	27, 828	25, 122
Public debt redemptions	85, 485, 325	3, 305, 697	3, 887, 311	3, 851, 447	6, 318, 092	7, 761, 224
Pre-war issues.....	160, 803	44	117, 075	640	213	88
Certificates of indebtedness.....	57, 270, 575	2, 238, 167	2, 157, 555	2, 449, 743	2, 927, 254	4, 867, 363
First Liberty loan.....	37, 691	239	5	12, 307	54	4
Second Liberty loan.....	008, 823	94, 450	28	31	1, 798, 148	1, 273, 632
Third Liberty loan.....	767, 863	410, 587	111, 823	397, 105	340, 608	918, 816
Fourth Liberty loan.....	636, 015	4, 070	14	9	27, 566	2, 383
Victory Liberty loan.....	4, 401, 023	80, 640	6, 942	2, 307	1, 282	959
Treasury notes.....	143, 340	356, 973	1, 373, 392	930, 485	1, 119, 512	490, 215
Treasury bonds.....	8	6	.....	1	10, 000	150
Treasury (war) savings securities.....	1, 125, 794	87, 434	50, 861	33, 850	64, 162	178, 827
National-bank notes, deposits for retirement.....	328, 444	33, 084	68, 974	54, 400	28, 061	27, 687
Miscellaneous noninterest-bearing debt.....	4, 851	1	643	569	1, 233	619
Gross debt outstanding at close of period or year	22, 349, 688	21, 251, 120	20, 516, 272	19, 043, 183	18, 510, 174	17, 604, 391
Interest-bearing.....	22, 007, 591	20, 981, 586	20, 210, 906	19, 383, 771	18, 250, 044	17, 317, 695
Matured debt on which interest has ceased.....	88, 172	30, 241	30, 243	13, 328	14, 707	45, 332
Debt bearing no interest less gold reserve.....	243, 925	239, 293	275, 123	246, 084	244, 523	241, 264

No. 218.—PAYMENTS AND LOANS OF UNITED STATES TO CARRIERS

Section of transportation act of 1920, as amended, and character of transactions	To or as of—		
	Nov. 15, 1922	June 30, 1927	June 30, 1928
Payments to carriers under section 204 for reimbursement of deficits on account of Federal control:			
Partial payments.....	<i>Dollars</i> 2, 177, 651	<i>Dollars</i> 2, 207, 051	<i>Dollars</i> 2, 207, 051
Final payments (less refunds of overpayments).....	2, 961, 899	8, 129, 785	8, 749, 479
Total certified.....	5, 139, 550	10, 336, 836	10, 956, 531
Deductions.....	972, 596	1, 918, 518	1, 918, 555
Payments to carriers under guaranty provided in section 209:			
Advances.....	263, 935, 874	263, 935, 874	263, 935, 874
Partial payments.....	168, 930, 412	169, 441, 912	169, 441, 912
Final payments (less refunds of overpayments).....	17, 224, 517	99, 045, 781	98, 327, 849
Total.....	450, 090, 804	533, 323, 567	531, 705, 635
Payments by carriers to United States under section 209 (d) on account of excess earnings.....		446, 638	446, 638
Loans to carriers under section 210:			
Total loans made to date.....	317, 886, 667	350, 600, 667	350, 600, 667
Total repayments to date.....	98, 684, 546	204, 219, 781	281, 330, 210
Account outstanding.....	219, 202, 122	146, 380, 885	69, 261, 448

¹ Amount due from the carriers to the President on account of traffic balances or other indebtedness and payable to the Director General of Railroads as his agent. This amount should be deducted from the total certified to arrive at the amount paid to the carriers direct.

**No. 219.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO UNITED STATES:
AMOUNT OF INDEBTEDNESS AND PAYMENTS RECEIVED ON ACCOUNT**

NOTE.—Accrued interest includes amounts accrued and unpaid up to and including the last interest period prior to December 31, 1928

[All figures in thousands of dollars]

Country	Total indebtedness, Dec. 31, 1927	Indebtedness Dec. 31, 1928				
		Total	Funded		Unfunded	
			Principal (net)	Accrued interest (net) ¹	Principal (net)	Accrued interest (net)
Total.....	11,847,166	11,827,011	11,493,683	30,777	243,908	118,043
Armenia.....	10,720	17,323			11,960	5,364
Austria ²	84,159	35,602			24,056	11,547
Belgium.....	418,580	411,130	411,130			
Czechoslovakia ³	177,671	174,671	174,671			
Estonia.....	15,636	16,071	13,830			
Finland.....	8,764	8,712	8,712	2,241		
France ⁴	4,025,000	4,025,000	4,025,000			
Great Britain.....	4,480,000	4,453,000	4,453,000			
Greece.....	19,500	20,250			15,000	5,250
Hungary ⁵	1,942	1,932	1,932			
Italy.....	2,032,000	2,027,000	2,027,000			
Latvia.....	6,804	6,685	5,775	910		
Lithuania ⁶	6,207	6,282	6,202			
Nicaragua.....	209	302			201	11
Poland.....	200,574	206,187	178,560	27,627		
Rumania ⁷	65,061	65,661	65,661			
Russia.....	280,107	280,073			192,601	96,472
Yugoslavia.....	62,450	62,250	62,250			

Country	Payments to Dec. 31, 1928				Total payments during year ended Dec. 31, 1928	
	Total	Funded indebtedness		Unfunded indebtedness ⁸		
		Principal	Interest	Principal		Interest
Total.....	2,062,038	181,115	834,998	303,267	742,658	210,145
Belgium.....	84,491	6,650	7,240	2,058	18,544	4,825
Cuba ⁷	12,287			10,000	2,287	
Czechoslovakia.....	10,804	10,500			304	3,000
Estonia.....	451		450		1	200
Finland.....	2,196	288	1,599		309	315
France ⁴	378,060			85,970	202,650	32,004
Great Britain.....	1,524,458	147,000	17,380	202,182	357,897	161,400
Greece.....	1,159				1,159	
Hungary.....	345	51	293		1	69
Italy.....	72,963	15,000		364	57,699	5,009
Latvia.....	341		210		131	30
Liberia ⁷	36			26	10	
Lithuania.....	953	126	826		2	151
Nicaragua.....	169			141	28	
Poland.....	8,048		7,000		2,048	2,500
Rumania.....	2,962	900		1,799	263	400
Russia.....	8,749				8,749	616
Yugoslavia.....	1,964	600		728	636	207

¹ Accrued and unpaid interest on funded debt due to exercise of options to pay specified amounts over first five years in lieu of total amounts due for which bonds similar to those originally issued under funding agreement will be given upon expiration of the option for the full amount then due.

² Time of payment of principal and interest extended to June 1, 1943.

³ Indebtedness includes deferred payments provided for in the funding agreements, for which gold bonds of the respective debtor governments have been or will be delivered to the Treasury.

⁴ Funding agreement not yet ratified. Upon ratification, \$92,565,000 of payments shown will be applied toward payment of the first annuities due thereunder.

⁵ Increase in indebtedness over amount funded due to exercise of options to pay one-half of interest due on original issue of bonds in bonds of debtor governments.

⁶ Payments of governments which have funded were made prior to the dates of the funding agreements.

⁷ The Governments of Cuba and Liberia have paid in full principal and interest due on their obligations.

⁸ Represents proceeds of liquidation of financial affairs of Russia in this country.

Source: Treasury Department.

**No. 220.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO UNITED STATES:
ORIGINAL AND FUNDED DEBT, VALUE AT TIME OF FUNDING OF PAYMENTS TO
BE RECEIVED AND AVERAGE INTEREST RATES ON DEBT AS FUNDED**

NOTE.—The debts were all funded on the basis of fixed annual payments, including both principal and interest, extending over a period of 62 years from the date of funding

[All figures in thousands of dollars]

Country	Original principal	Funded interest	Funded debt	Debt prior to funding, including accrued interest (5 and 6 per cent)	Value at time of funding of payments to be received over 62-year period on basis of interest rates stated			Approximate interest rates on debt as funded, per cent
					3 per cent	4½ per cent	5 per cent	
Total.....	9,811,094	1,711,260	11,522,354	12,036,376	9,175,655	6,862,285	5,873,638	-----
Belgium.....	377,030	40,760	417,790	483,420	302,230	225,000	191,766	1.790
Czechoslovakia.....	91,850	23,120	115,000	123,854	124,095	91,954	77,985	3.327
Estonia.....	12,066	1,704	13,830	14,143	14,798	11,592	9,915	3.393
Finland.....	8,282	718	9,000	9,100	9,630	7,413	6,452	3.393
France.....	3,340,516	684,484	4,025,000	4,230,777	2,734,250	1,904,500	1,681,369	1.640
Great Britain.....	4,074,818	525,252	4,600,000	4,715,310	4,922,702	3,788,470	3,296,948	3.306
Hungary.....	1,036	253	1,289	1,684	2,076	1,506	1,358	3.306
Italy.....	1,647,869	394,131	2,042,000	2,180,150	782,321	528,102	426,287	3.306
Latvia.....	5,132	643	5,775	5,893	6,181	4,755	4,137	3.306
Lithuania.....	4,082	1,048	5,030	6,216	6,452	4,987	4,322	3.306
Poland.....	150,667	18,893	178,560	182,324	191,283	146,825	127,643	3.306
Rumania.....	36,128	8,462	44,590	46,045	48,442	35,172	29,507	3.321
Yugoslavia.....	51,088	11,812	62,850	66,164	30,286	20,030	15,910	1.630

Source: Annual Report of the Secretary of the Treasury.

**No. 221.—MONEY COST OF WORLD WAR TO UNITED STATES GOVERNMENT
TO JUNE 30, 1928**

NOTE.—All figures in thousands of dollars. Data, which are partly estimated, include expenditures during the war period taken as extending from Apr. 6, 1917, to June 30, 1921, and continuing costs, expenses of the Veterans' Bureau, interest on war debt, and construction of veterans' hospitals, to June 30, 1925. They make allowance for estimated normal expenditures under the War and Navy Departments, receipts on account of the sale of war supplies and surplus Government property, and assets held on June 30, 1921, except foreign obligations and amounts due from Germany account of army of occupation, which are taken as of June 30, 1927

	Total war costs	Receipts	Assets June 30, 1921, (partly estimated)	Net war costs
Total.....	49,197,882	3,694,418	9,163,233	36,340,232
Military activities.....	16,283,589	981,674	452,402	14,849,594
Naval activities.....	3,480,782	24,430	55,000	3,401,343
War emergency corporations.....	4,387,600	487,729	892,460	3,007,411
War expenditures under other departments and war agencies.....	3,541,824	446,746	283,370	2,811,707
Interest on war debt to June 30, 1928.....	8,832,000	-----	-----	8,832,000
Foreign obligations (June 30, 1927) ¹	9,508,237	1,743,930	7,470,000	384,306
Veterans' Bureau (continuing cost to June 30, 1928) ²	3,023,870	-----	-----	3,023,870
Settlement of war claims act of 1928.....	50,000	-----	-----	50,000

¹ Represents obligations acquired for cash advances under Liberty bond acts.

² Value June 30, 1927 on the basis of 4 per cent per annum, payable semiannually (approximately the average rate of interest United States is paying on its public debt), of payments to be received on all accounts under funding agreements, including the debts of Austria and Greece on a similar basis.

Source: Annual Report of the Secretary of the Treasury.

No. 222.—SECURITIES OWNED BY THE UNITED STATES GOVERNMENT,
JUNE 30, 1927 AND 1928

NOTE.—This statement is made up on the basis of the face value of the securities therein described as received by the United States, with due allowance for repayments. To the extent that the securities are not held in the custody of the Treasury, the statement is made up from reports received from other Government departments and establishments. The statement does not include securities which the United States holds as collateral, or as the result of the investment of trust funds; as, for example, securities held for account of the Alien Property Custodian, the United States Government life insurance fund, and other similar trust funds. For details of foreign obligations see Table 219

[All figures in thousands of dollars]

	1927	1928
Grand total	11,288,039	11,108,961
Bonds of foreign governments received under agreements for funding of their debts to the United States	6,818,155	7,198,880
Obligations of foreign governments, under acts approved Apr. 24, 1917, and Sept. 24, 1917, as amended (on basis of cash advances, less repayments of principal).....	3,561,172	3,202,264
Foreign obligations received on account of sale of surplus war supplies ¹	483,439	453,620
Foreign obligations received from the American Relief Administration on account of relief, pursuant to act approved Feb. 25, 1919 ¹	18,922	18,922
Foreign obligations received from the United States Grain Corporation on account of final liquidation, given for relief pursuant to act approved Mar. 30, 1920 ¹	30,860	30,800
Capital stock of war emergency corporations:		
Capital stock of the Emergency Fleet Corporation.....	² 50,000	² 50,000
Less cash deposited with the Treasurer of the United States.....	84,831	26,686
Balance.....	16,769	24,314
Capital stock of the Hoboken Manufacturers Railroad Co.....	400	
Capital stock of United States Housing Corporation issued.....	² 70,000	² 70,000
Less amount retired plus cash deposits covered into Treasury under act approved July 11, 1919.....	57,558	58,316
Balance.....	32,042	30,684
Capital stock of the United States Spruce Production Corporation.....	100	100
Capital stock of the War Finance Corporation outstanding.....	³ 1,000	³ 1,000
Offset by cash deposited with the Treasurer of the United States.....	61,157	64,969
Equipment trust 6 per cent gold notes acquired pursuant to Federal control act of Mar. 21, 1918, as amended, and act approved Nov. 19, 1919, for reimbursement for motive power, cars, and other equipment ordered for carriers²	269	235
Obligations of carriers acquired pursuant to section 207 of the transportation act, approved Feb. 28, 1920, as amended.....	83,584	5,112
Obligations of carriers acquired pursuant to section 210 of the transportation act approved Feb. 28, 1920, as amended.....	143,581	68,261
Capital stock of the Panama Railroad Co.....	7,000	7,000
Capital stock of the Inland Waterways Corporation (acquired pursuant to act approved June 3, 1924).....	4,000	5,000
Capital stock of Federal land banks, on basis of purchases, less repayments to date.....	842	556
Capital stock of Federal intermediate credit banks, acquired pursuant to the "agricultural credits act of 1923," approved Mar. 4, 1923.....	25,000	25,000
Securities received by Secretary of War on account of sales of surplus war supplies.....	2,861	1,195
Securities received by Secretary of Navy on account of sales of surplus property.....	6,339	6,267
Securities received by the U. S. Shipping Board on account of sales of ships, etc.....	50,003	29,080
MEMORANDUM		
Amount due the United States from the central branch of the Union Pacific Railroad on account of bonds issued (Pacific Railroad aid bonds, acts approved July 1, 1862, July 2, 1864, and May 7, 1878), total	3,456	3,440
Principal.....	1,600	1,600
Interest.....	1,856	1,840

¹The figures do not include interest accrued and unpaid.

²Balance only, after deduction of cash deposited with the Treasurer of the United States, is included in total.

³Not included in total. Offset by deposits shown below.

⁴This amount does not include securities purchased by the Director General of Railroads under the provisions of section 12 of the Federal control act, approved Mar. 21, 1918.

⁵The notes are in series, which mature, respectively, on Jan. 15 in various years up to 1935.

Source: Annual Report of the Secretary of the Treasury.

10. STATE, MUNICIPAL, AND LOCAL GOVERNMENT FINANCES

No. 223.—TAXES: TOTAL LEVIES OF AD VALOREM GENERAL PROPERTY TAXES OF STATES, COUNTIES, AND MINOR CIVIL DIVISIONS

NOTE.—The data represent the total levies of general property taxes of States, counties, cities, villages, towns, townships, school districts, etc., and for all purposes. They do not cover "special assessments" on property benefited by specific improvements nor special property taxes applying only to limited classes, nor taxes based on other standards than property, such as income, volume of business, inheritance, etc., which have been steadily growing in relative importance. The change in buying power of money affects materially the comparability of the figures. For data for 1870 and 1890, by States, see Table 437, Statistical Abstract of 1922

Division and State	Levies of general property taxes (thousands of dollars)					Amount per capita (dollars)				
	1860	1880	1902	1912	1922	1860	1880	1902	1912	1922
Grand total	94,187	313,921	724,737	1,349,841	3,503,725	3.00	6.26	9.22	13.91	32.23
New England	13,565	42,492	78,806	127,232	270,618	4.33	10.60	13.29	18.53	35.59
Maine.....	2,257	5,182	6,856	8,987	22,295	3.59	7.09	9.78	11.86	23.83
New Hampshire.....	1,202	3,170	4,165	6,078	15,029	3.87	9.10	9.95	15.98	33.71
Vermont.....	908	1,745	1,911	4,020	6,188	2.88	5.25	5.52	11.17	26.07
Massachusetts.....	7,437	24,327	49,219	82,556	156,285	6.04	13.64	17.06	23.27	39.33
Rhode Island.....	686	2,693	6,133	8,182	19,025	3.93	9.74	13.65	14.13	32.13
Connecticut.....	1,015	5,366	8,021	16,489	47,794	2.21	8.62	8.53	13.96	33.30
Middle Atlantic	25,561	94,130	211,936	394,266	840,038	3.43	5.97	13.17	17.71	36.66
New York.....	16,363	56,393	132,711	221,467	454,878	3.96	11.09	17.49	22.80	42.72
New Jersey.....	1,458	8,958	20,956	49,424	145,355	2.17	7.92	10.54	17.98	44.27
Pennsylvania.....	8,730	28,779	58,269	93,375	239,795	3.00	6.72	8.95	11.52	26.70
East North Central	23,531	78,592	172,421	292,021	689,682	3.40	7.00	10.47	15.38	39.27
Ohio.....	9,011	25,767	47,460	76,697	224,423	4.11	8.05	11.15	15.45	37.03
Indiana.....	3,701	11,943	27,068	46,644	117,138	2.74	6.04	10.84	18.53	39.26
Illinois.....	6,122	24,550	53,013	84,834	250,380	3.68	7.99	10.58	14.37	37.00
Michigan.....	1,707	8,628	23,477	47,908	108,797	2.36	5.27	9.43	10.34	43.00
Wisconsin.....	2,330	7,588	20,508	36,848	103,944	3.00	5.77	9.01	15.23	40.45
West North Central	7,442	35,490	95,010	180,440	490,829	3.43	5.76	9.01	15.08	38.52
Minnesota.....	666	4,346	17,761	38,108	107,325	3.87	6.57	9.65	17.47	43.73
Iowa.....	2,378	11,002	22,008	36,670	105,842	3.62	6.81	10.17	16.45	43.30
Missouri.....	4,110	11,832	21,785	35,491	91,445	3.48	5.48	6.82	10.58	26.64
North Dakota.....		1,478	4,186	11,875	31,167			11.44	17.97	47.13
South Dakota.....		4,329	4,329	10,720	32,483		3.64	10.69	16.67	50.18
Nebraska.....	92	2,792	9,499	19,751	53,236	8.19	8.17	8.89	16.04	40.28
Kansas.....	190	4,980	14,847	27,895	69,331	1.83	5.00	10.14	16.65	38.33
South Atlantic	9,580	21,553	46,365	91,136	265,316	1.79	2.84	4.31	7.15	17.73
Delaware.....	208	604	1,517	1,701	4,841	1.83	4.12	7.00	8.61	21.20
Maryland.....	2,159	5,437	10,698	16,360	40,026	3.14	5.82	8.79	12.30	26.05
District of Columbia.....	200	1,469	3,361	6,309	12,366	2.47	8.27	11.62	15.51	28.20
Virginia.....	3,673	4,694	6,896	13,822	33,878	2.30	3.10	3.64	6.49	14.33
West Virginia.....		1,994	5,507	10,026	38,435		3.22	5.62	7.67	25.89
North Carolina.....	1,045	1,916	3,975	9,989	37,017	1.05	1.37	2.04	4.33	13.08
South Carolina.....	1,280	1,840	3,736	6,899	20,880	1.82	1.85	2.73	4.39	12.09
Georgia.....	798	3,014	8,204	18,414	35,673	.75	1.95	3.58	6.73	12.01
Florida.....	159	585	2,681	8,436	32,194	1.13	2.17	4.79	10.22	31.44
East South Central	6,057	11,996	27,187	51,063	125,781	1.96	2.15	3.50	5.95	13.95
Kentucky.....	2,148	5,201	10,462	17,609	37,322	1.86	3.15	4.74	7.56	15.23
Tennessee.....	1,103	2,516	7,626	14,112	35,127	.99	1.63	3.08	6.31	14.83
Alabama.....	851	2,062	4,899	9,971	22,684	.88	1.63	2.59	4.45	9.40
Mississippi.....	955	2,217	4,180	9,911	30,648	1.21	1.90	2.61	5.28	17.12
West South Central	6,129	10,794	29,055	77,723	222,351	3.51	3.24	4.36	8.17	21.05
Arkansas.....	635	1,839	4,446	10,621	17,476	1.46	2.29	3.30	6.40	9.77
Louisiana.....	4,901	4,386	8,478	14,432	41,662	7.01	4.07	5.01	8.27	22.05
Oklahoma.....		3,377	10,705	19,705	54,079			3.71	10.16	25.99
Texas.....	533	4,569	13,684	32,966	109,234	.88	2.87	4.26	7.90	22.00
Mountain	95	4,717	24,312	54,327	144,460	.54	7.22	13.76	18.45	41.23
Montana.....		394	4,092	11,245	25,008		0.80	15.53	26.83	43.94
Idaho.....		187	1,895	6,952	18,569		5.73	11.11	18.35	40.08
Wyoming.....		230	1,074	2,610	8,305		11.07	11.16	15.93	40.98
Colorado.....		2,152	10,741	16,931	44,588		11.07	19.34	10.17	45.76
New Mexico.....	30	104	1,410	3,426	8,806	.82	1.37	7.15	9.26	23.89
Arizona.....		293	1,685	4,358	15,352		7.25	12.59	18.88	42.54
Utah.....	65	435	2,848	6,529	17,711	1.61	3.02	9.81	16.13	37.82
Nevada.....		872	617	2,276	5,068		14.00	14.57	24.02	65.47
Pacific	3,237	14,247	41,235	111,033	284,756	7.29	12.78	14.42	33.25	48.61
Washington.....	57	505	9,003	31,205	60,283	4.94	6.73	16.43	23.21	47.13
Oregon.....	199	1,114	4,920	17,139	40,090	5.79	6.37	11.43	22.04	49.55
California.....	2,981	12,628	27,312	62,689	178,383	7.86	14.60	17.81	23.50	48.97

¹ Dakota Territory.

² Oklahoma and Indian Territory combined.

Source: Bureau of the Census, Department of Commerce.

No. 224.—ASSESSED VALUATION OF PROPERTY SUBJECT TO GENERAL PROPERTY TAX, 1927

NOTE.—Data shown are taxable values of property subject to the general property tax for the use of State governments. Property belonging to railroads, telegraph companies, and a number of similar corporations is in some States distinguished as real or personal, but in a number of States it is treated as a single total. In the latter case, figures for such corporations and also other property and franchise valuations of corporations for which data were insufficient for a complete distinction of real from personal are not shown separately but are included in the totals.

(All figures in millions of dollars)

Division and State	Total ¹	Real property	Personal property	Division and State	Total ¹	Real property	Personal property
Grand total.....	2149, 432	2112, 488	227, 892	South Atlantic—Contd.			
New England.....	12, 624	10, 332	2, 192	Virginia ²	2, 109	1, 103	916
Maine.....	725	579	146	West Virginia.....	2, 130	1, 249	411
New Hampshire.....	664	528	84	North Carolina ²	2, 798	2, 798	(³)
Vermont.....	315	214	54	South Carolina.....	422	223	199
Massachusetts.....	7, 070	6, 029	1, 056	Georgia.....	1, 275	760	320
Rhode Island.....	1, 209	846	453	Florida.....	796	624	64
Connecticut.....	2, 545	2, 145	809	East South Central.....	6, 580	3, 966	1, 066
Middle Atlantic.....	89, 185	33, 787	3, 950	Kentucky.....	2, 933	1, 523	1, 470
New York.....	20, 795	20, 530	265	Tennessee.....	1, 721	1, 277	160
New Jersey.....	6, 112	4, 774	871	Alabama.....	1, 122	725	180
Pennsylvania ²	11, 278	8, 468	2, 814	Mississippi.....	724	461	156
East North Central.....	37, 156	27, 190	8, 647	West South Central.....	7, 942	5, 402	2, 241
Ohio.....	13, 496	9, 361	4, 134	Arkansas.....	615	421	194
Indiana.....	6, 188	3, 787	1, 401	Louisiana.....	1, 725	1, 078	647
Illinois.....	4, 195	3, 038	801	Oklahoma.....	1, 697	1, 094	304
Michigan.....	8, 106	6, 294	1, 410	Texas.....	3, 995	2, 800	1, 096
Wisconsin ²	6, 171	4, 700	895	Mountain.....	4, 816	3, 168	800
West North Central.....	18, 676	12, 973	4, 149	Montana.....	436	256	89
Minnesota.....	2, 365	1, 714	651	Idaho.....	488	344	27
Iowa.....	1, 645	819	637	Wyoming.....	432	257	95
Missouri.....	4, 967	3, 536	947	Colorado.....	1, 365	1, 052	280
North Dakota.....	598	722	276	New Mexico.....	315	144	67
South Dakota.....	1, 865	1, 421	254	Arizona.....	656	571	82
Nebraska.....	3, 322	2, 376	611	Utah.....	696	376	124
Kansas.....	3, 674	2, 385	773	Nevada.....	203	168	36
South Atlantic.....	12, 126	8, 763	2, 599	Pacific.....	8, 347	6, 897	1, 256
Delaware.....	257	257	(⁴)	Washington.....	1, 216	970	238
Maryland.....	2, 349	1, 089	659	Oregon.....	1, 111	812	137
				California ²	6, 020	5, 106	913

¹ See headline.

² No general property tax levied for State purposes in Pennsylvania, North Carolina, and California, but assessed valuation of property for local taxation in these States is shown.

³ Real and personal property (\$5,594,839,198) not taxed for State purposes.

⁴ Valuation of personal property included with that of real property.

⁵ Only personal intangible and certain classes of public service corporations taxed for State purposes.

Source: Bureau of the Census, Department of Commerce.

No. 225.—PUBLIC DEBT: GROSS DEBT LESS SINKING FUND ASSETS OF ALL CLASSES OF GOVERNMENT ORGANIZATIONS IN THE UNITED STATES

Government organization	1880	1890	1902	1912	1922
Total (thousands of dollars).....	3, 042, 606	1, 969, 113	2, 836, 896	4, 850, 460	30, 645, 696
National ¹	1, 919, 827	851, 913	969, 457	1, 028, 564	22, 155, 880
States.....	273, 746	211, 210	239, 369	345, 942	935, 544
Counties.....	124, 106	145, 048	196, 565	371, 528	1, 272, 790
Incorporated places and all other civil divisions.....	724, 428	780, 942	1, 433, 506	3, 104, 426	6, 481, 406
Per capita (dollars): ²					
National ¹	38.27	13.60	12.22	10.59	203.78
States.....	5.48	3.37	3.03	3.57	8.64
Counties.....	2.47	2.51	2.80	4.33	13.15

¹ Revised figure.

² Gross debt less cash in the Treasury as of June 30, 1880, 1891, 1903, 1913, and 1922.

³ Not computed for incorporated places and all other civil divisions.

Source of Tables 224 and 225; Bureau of the Census, Department of Commerce.

No. 226.—REVENUES AND EXPENDITURES OF STATE GOVERNMENTS

NOTE.—Both receipts and expenditures are net figures, excluding temporary and special transactions which represent virtually duplication. Revenue receipts do not include any receipts from borrowing of money. Outlays, which enter into the total for governmental cost payments, represent capital investments, including those made with the proceeds of borrowed money. The excess of governmental cost payments over revenue receipts represents, approximately, increase of indebtedness.

	1925			1926			1927		
	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total
Revenue receipts, total	1,485,242	13.19	100.0	1,655,496	14.29	100.0	1,758,381	14.99	100.0
General property taxes.....	358,602	3.18	24.1	375,674	3.24	22.7	370,435	3.16	21.1
Special property and other special taxes.....	235,864	2.09	15.9	268,323	2.32	16.2	301,642	2.57	17.2
Inheritance taxes.....	85,894	.76	5.8	90,632	.78	5.5	105,647	.90	6.0
Income taxes.....	27,535	.24	1.9	38,628	.33	2.3	54,950	.47	3.1
Bank and other corporation stock taxes.....	68,807	.61	4.0	65,633	.57	4.0	75,640	.64	4.3
All other.....	53,228	.43	3.0	73,380	.63	4.4	65,387	.56	3.7
Poll taxes.....	3,930	.03	.3	3,669	.03	.2	3,426	.03	.2
Licenses.....	508,974	4.52	34.3	616,629	5.32	37.2	679,324	5.79	38.6
Special assessments.....	31,176	.25	2.1	28,107	.24	1.7	27,078	.23	1.5
Fines, forfeits, and escheats.....	7,314	.06	.5	7,607	.06	.5	7,912	.07	.4
Subventions, donations, and pension assessments.....	143,491	1.27	9.7	139,148	1.20	8.4	138,770	1.18	7.9
Interest, rents, and highway privileges.....	67,003	.60	4.5	76,265	.66	4.6	81,921	.70	4.7
Earnings of general departments.....	118,732	1.05	8.0	129,280	1.12	7.8	134,881	1.15	7.7
Earnings of public-service enterprises.....	10,096	.09	.7	10,894	.09	.7	12,662	.11	.7
Governmental-cost payments, total	1,614,562	14.34	100.0	1,614,538	13.94	100.0	1,726,869	14.72	100.0
Operation and maintenance	1,043,876	9.27	64.6	1,049,311	9.06	65.0	1,129,479	9.63	65.4
General departments.....	1,035,478	9.19	64.1	1,040,235	9.05	64.4	1,120,005	9.55	64.9
General government.....	55,569	.76	5.3	80,371	.75	5.4	93,759	.85	5.8
Protection to person and property.....	55,834	.49	3.5	59,747	.52	3.7	63,770	.55	3.7
Development and conservation of natural resources.....	56,386	.50	3.5	62,696	.54	3.9	64,598	.55	3.7
Health and sanitation.....	24,838	.22	1.5	25,649	.22	1.6	27,825	.24	1.6
Highways.....	144,280	1.28	8.9	155,939	1.35	9.7	170,793	1.46	9.9
Charities, hospitals, and corrections.....	168,765	1.50	10.5	178,680	1.54	11.1	193,225	1.65	11.2
Education.....	397,700	3.53	24.6	415,282	3.59	25.7	447,044	3.81	25.9
Recreation.....	2,746	.02	.2	3,642	.03	.2	4,050	.03	.2
Miscellaneous.....	99,370	.88	6.2	51,329	.44	3.2	48,062	.42	2.8
Public-service enterprises.....	8,898	.07	.5	9,076	.08	.6	9,474	.08	.5
Interest.....	67,662	.60	4.2	76,869	.66	4.8	78,722	.67	4.6
Outlays.....	503,024	4.47	31.2	488,358	4.22	30.2	518,788	4.42	30.0
Highway construction.....	418,760	3.72	25.9	398,025	3.44	24.7	404,104	3.44	23.4
All other.....	84,264	.75	5.2	89,433	.77	5.4	114,624	.98	6.6

No. 227.—STATE REVENUES AND EXPENDITURES PER CAPITA

Year	Per capita revenue receipts			Per capita governmental cost payments for operation, maintenance, and interest		
	Total	From taxes	From all other revenue	Total	For expenses	For interest
1915.....	\$4.66	\$3.71	\$0.94	\$4.06	\$3.87	\$0.19
1917.....	5.14	4.02	1.11	4.42	4.21	.21
1919.....	6.43	5.02	1.40	5.42	5.18	.23
1922.....	10.71	7.93	2.79	8.89	8.60	.28
1923.....	11.38	8.37	3.01	8.73	8.26	.46
1924.....	12.81	9.14	3.16	9.60	9.10	.50
1925.....	13.19	9.82	3.35	9.87	9.27	.60
1926.....	14.29	10.91	3.37	9.72	9.06	.66
1927.....	14.99	11.55	3.44	10.30	9.83	.67

Source of Tables 226 and 227: Bureau of the Census, Department of Commerce.

No. 228.—STATE FINANCES: TOTAL REVENUE RECEIPTS AND GOVERNMENTAL
COST PAYMENTS FOR OPERATION, MAINTENANCE, AND INTEREST

[All figures in thousands of dollars.]

Division and State	Revenue receipts				Governmental cost payments for operation, maintenance, and interest			
	1915	1922	1926	1927	1915	1922	1926	1927
Grand total.....	458,233	1,159,527	1,655,495	1,758,381	399,714	962,275	1,126,180	1,208,201
New England.....	45,681	105,214	123,278	135,792	37,925	74,142	89,386	93,570
Maine.....	5,796	13,076	15,098	17,420	5,057	10,940	11,201	12,103
New Hampshire.....	2,418	6,537	7,200	7,783	1,599	4,413	5,719	5,982
Vermont.....	2,630	5,053	6,385	7,209	2,478	4,216	4,734	4,995
Massachusetts.....	24,051	51,339	55,296	60,147	10,011	33,629	41,156	42,490
Rhode Island.....	3,245	7,393	9,099	10,575	2,952	5,436	7,161	7,161
Connecticut.....	7,491	21,810	29,000	32,658	6,328	15,508	19,494	20,839
Middle Atlantic.....	104,957	293,212	387,391	422,467	96,097	226,775	272,117	292,115
New York.....	53,777	134,681	193,940	215,474	49,350	113,589	148,207	158,429
New Jersey.....	17,909	42,083	68,015	76,045	17,055	40,856	46,031	47,281
Pennsylvania.....	33,181	86,448	124,836	130,938	29,736	66,330	77,879	86,405
East North Central.....	91,377	223,612	286,987	300,072	74,310	199,980	192,142	207,444
Ohio.....	23,849	53,689	51,140	53,627	10,752	54,734	39,739	42,920
Indiana.....	10,700	25,688	42,294	43,078	9,743	19,010	24,893	26,273
Illinois.....	26,239	45,042	75,224	76,483	10,992	30,874	48,867	50,021
Michigan.....	17,793	61,738	77,989	77,456	16,916	69,777	60,283	67,028
Wisconsin.....	15,850	37,555	40,314	46,428	13,907	25,520	28,385	31,193
West North Central.....	56,898	148,176	209,739	224,219	46,473	127,341	138,002	146,577
Minnesota.....	19,470	42,262	57,249	63,766	13,692	29,708	36,649	40,560
Iowa.....	9,489	31,907	34,774	37,541	7,637	15,325	22,710	23,850
Missouri.....	10,001	26,871	42,095	42,772	8,375	40,047	27,148	27,190
North Dakota.....	3,801	8,752	18,491	19,428	3,551	8,009	14,839	15,296
South Dakota.....	3,204	11,059	17,474	16,333	3,015	14,117	13,425	12,758
Nebraska.....	5,116	14,944	17,362	17,287	4,207	8,611	9,696	11,012
Kansas.....	5,817	12,380	22,288	27,087	5,496	10,524	14,135	15,911
South Atlantic.....	37,932	111,695	192,322	201,924	35,872	91,084	136,145	137,172
Delaware.....	856	4,855	7,880	7,786	740	3,822	4,771	5,007
Maryland.....	7,497	18,463	23,218	24,440	6,750	13,533	18,573	19,070
Virginia.....	9,358	20,501	33,764	38,993	8,408	19,777	22,257	24,526
West Virginia.....	3,264	12,348	19,440	20,753	3,562	11,375	14,275	15,463
North Carolina.....	4,706	13,194	30,475	35,827	4,531	15,108	21,524	24,277
South Carolina.....	2,729	8,399	17,121	17,404	2,580	6,417	13,125	13,217
Georgia.....	6,385	17,817	25,727	29,252	6,206	12,137	20,834	20,175
Florida.....	3,107	10,643	23,088	27,301	2,595	8,895	10,733	14,777
East South Central.....	25,301	59,614	90,408	95,648	26,217	47,102	61,211	66,530
Kentucky.....	6,046	17,917	29,298	30,720	5,671	12,887	17,723	18,590
Tennessee.....	5,185	15,465	25,119	26,535	5,283	11,163	15,086	15,977
Alabama.....	7,178	15,382	19,948	21,969	7,338	12,532	15,598	17,939
Mississippi.....	4,942	11,150	17,076	16,394	4,925	10,520	12,834	13,024
West South Central.....	39,584	84,420	150,020	158,301	31,967	79,144	98,706	108,022
Arkansas.....	3,799	7,500	20,191	20,312	3,738	6,863	12,084	13,351
Louisiana.....	8,735	20,087	26,794	23,126	7,303	15,212	17,669	20,445
Oklahoma.....	5,276	14,974	30,929	31,676	4,979	12,605	15,737	17,375
Texas.....	18,724	41,859	72,105	73,687	15,927	44,374	52,016	56,851
Mountain.....	19,086	61,832	89,477	71,948	16,489	38,272	45,476	50,951
Montana.....	3,254	8,458	8,419	8,780	3,004	6,064	5,793	5,356
Idaho.....	2,078	5,767	7,918	8,101	1,800	4,293	4,722	5,460
Wyoming.....	1,243	6,599	8,550	8,824	1,005	2,862	4,382	6,549
Colorado.....	8,040	13,858	15,296	16,345	8,902	8,781	10,784	11,806
New Mexico.....	1,946	5,055	6,717	6,999	1,233	3,904	4,180	5,094
Arizona.....	2,248	9,427	7,714	7,710	1,919	4,854	5,622	6,020
Utah.....	3,712	8,531	11,056	11,062	2,549	6,779	7,880	8,461
Nevada.....	985	3,237	3,807	4,062	1,057	1,733	2,107	2,196
Pacific.....	40,547	101,553	145,899	147,522	34,684	78,505	102,393	105,820
Washington.....	11,367	22,485	31,014	35,622	7,996	13,908	21,154	23,038
Oregon.....	4,541	19,448	22,937	22,955	3,558	15,172	18,487	14,887
California.....	24,639	59,620	91,948	88,945	23,130	49,425	67,752	67,705

Source: Bureau of the Census, Department of Commerce.

No. 229.—STATE FINANCES: REVENUE RECEIPTS AND GOVERNMENTAL COST PAYMENTS OF STATE GOVERNMENTS, 1927

NOTE.—All figures except per capita in thousands of dollars. See headnote, Table 226

Division and State	Revenue receipts				Governmental cost payments for operation, maintenance, and interest			Outlays for permanent improvements	
	Total		General and special property taxes	All other revenues	Total		Operation and maintenance		Interest
	Amount	Per capita			Amount	Per capita			
Grand total.....	1,768,881	\$14.89	470,296	1,288,145	1,208,201	\$10.80	1,129,479	78,722	518,788
New England.....	135,792	18.64	39,149	96,843	93,570	11.47	89,654	3,916	31,632
Maine.....	17,420	22.02	5,908	11,512	12,103	15.80	11,277	823	8,007
New Hampshire.....	7,783	17.14	2,861	4,922	5,932	13.18	5,908	74	1,826
Vermont.....	7,209	20.46	2,208	4,911	4,995	14.17	4,911	84	2,057
Massachusetts.....	60,147	14.19	18,617	41,530	42,490	13.02	40,879	1,611	7,085
Rhode Island.....	10,576	15.04	4,068	6,507	7,161	10.19	6,407	654	3,806
Connecticut.....	32,658	20.15	5,397	27,261	20,839	12.86	20,182	657	9,051
Middle Atlantic.....	422,467	17.08	110,109	312,348	292,115	11.51	271,221	20,894	102,358
New York.....	215,474	18.96	88,252	177,222	168,429	13.94	144,711	13,718	46,835
New Jersey.....	76,046	20.47	37,765	38,280	47,281	12.73	44,200	3,072	24,709
Pennsylvania.....	130,938	13.55	84,092	96,846	86,405	8.94	82,301	4,104	30,700
East North Central.....	300,072	12.30	78,277	201,795	207,444	8.50	198,012	11,432	80,178
Ohio.....	53,627	8.03	7,950	45,677	42,929	6.45	41,953	979	10,913
Indiana.....	43,078	13.70	13,847	29,231	26,273	8.36	25,195	78	13,846
Illinois.....	79,483	10.99	35,369	44,114	50,021	6.90	44,076	5,945	20,790
Michigan.....	77,456	17.43	34,773	42,683	37,023	12.84	52,718	4,310	20,993
Wisconsin.....	46,228	16.00	6,838	39,390	31,193	10.75	31,070	123	13,667
West North Central.....	224,219	17.05	58,395	165,824	146,577	11.16	132,813	13,994	70,566
Minnesota.....	63,766	23.89	14,364	49,402	40,560	15.20	39,700	3,890	12,676
Iowa.....	37,541	15.43	11,971	25,570	23,859	9.84	23,033	817	19,053
Missouri.....	42,772	12.19	7,443	35,329	27,199	7.76	23,892	3,298	10,622
North Dakota.....	19,423	30.30	3,848	15,580	15,295	23.85	13,604	1,632	3,792
South Dakota.....	10,338	23.53	4,773	11,660	12,768	18.41	9,653	3,105	3,630
Nebraska.....	17,287	12.44	6,290	10,997	11,012	7.62	10,975	37	9,209
Kansas.....	27,087	14.85	9,701	17,386	15,911	8.72	14,898	1,215	9,105
South Atlantic.....	201,024	13.21	36,990	164,034	137,172	8.88	124,896	12,642	100,561
Delaware.....	7,726	32.31	2,128	5,598	5,067	21.03	4,619	448	2,086
Maryland.....	24,440	15.34	6,640	17,800	16,670	12.85	18,252	1,418	6,134
Virginia.....	38,906	15.40	8,691	30,205	24,526	9.69	23,762	794	12,750
West Virginia.....	20,758	12.33	3,796	16,962	15,463	9.19	12,952	2,511	11,664
North Carolina.....	35,827	12.45	765	35,062	24,277	8.44	18,152	6,125	22,602
South Carolina.....	17,464	9.47	3,306	14,158	13,217	7.16	12,816	401	9,820
Georgia.....	29,252	9.23	6,514	22,748	20,175	6.36	10,866	399	13,255
Florida.....	27,321	20.44	5,180	22,211	14,777	11.03	14,211	566	23,042
East South Central.....	95,648	10.24	28,447	67,201	68,530	7.12	62,548	3,994	39,660
Kentucky.....	30,720	12.14	10,494	20,226	18,500	7.84	17,972	618	11,143
Tennessee.....	26,535	10.72	5,211	21,324	16,977	6.86	16,075	902	10,963
Alabama.....	11,909	8.05	8,130	13,893	17,939	7.05	16,265	1,674	12,000
Mississippi.....	16,394	9.16	4,606	11,788	13,024	7.27	12,234	790	6,567
West South Central.....	158,801	13.71	43,151	115,650	108,022	9.83	108,813	1,209	41,012
Arkansas.....	20,312	16.02	6,423	13,889	13,351	6.98	13,193	158	7,344
Louisiana.....	28,126	14.54	9,433	18,693	20,445	10.67	19,721	724	8,981
Oklahoma.....	31,676	13.41	2,448	29,228	17,375	7.85	17,250	125	10,764
Texas.....	78,087	14.66	24,847	53,240	50,851	10.69	59,049	202	13,923
Mountain.....	71,946	18.78	24,300	47,646	60,951	13.90	48,852	2,319	19,622
Montana.....	8,750	16.00	1,951	6,829	6,350	11.66	5,028	428	1,840
Idaho.....	5,151	15.37	2,234	2,927	5,460	10.50	5,136	333	3,163
Wyoming.....	8,824	36.70	1,498	7,326	6,549	23.12	5,407	142	2,152
Colorado.....	10,348	15.24	6,612	10,736	11,306	11.00	11,185	621	4,841
New Mexico.....	9,959	17.05	1,915	5,084	5,084	13.06	4,917	177	3,052
Arizona.....	7,710	17.00	4,616	3,094	6,020	13.32	5,932	88	1,524
Nevada.....	11,002	21.33	5,195	5,807	8,451	16.53	8,003	458	1,676
Utah.....	4,062	52.43	1,279	2,783	2,196	23.37	2,124	72	1,686
Pacific.....	147,522	21.61	31,418	116,104	105,820	15.00	97,353	3,462	32,685
Washington.....	35,822	22.75	16,018	19,804	23,638	15.00	22,921	717	11,117
Oregon.....	22,955	25.83	8,119	17,836	14,837	16.78	11,981	2,906	7,383
California.....	88,745	20.33	9,681	79,064	67,295	15.38	62,455	4,839	14,285

Source: Bureau of the Census, Department of Commerce.

No. 230.—DEBT OF STATE GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS

NOTE.—For details of public debt in 1927 see Table 231

Division and State	Total (thousands of dollars)						Per capita (dollars)			
	1880	1890	1902	1912	1922	1927	1880	1902	1912	1927
Grand total.....	274,746	211,210	234,966	345,942	385,544	1,593,731	5.48	2.99	3.97	13.69
New England.....	58,746	20,495	74,981	95,570	110,458	111,415	9.18	13.06	13.92	13.65
Maine.....	6,512	3,042	2,785	1,255	12,906	21,789	8.49	3.97	1.87	27.55
New Hampshire.....	3,630	2,691	1,561	1,950	3,018	1,818	10.46	3.71	4.50	4.00
Vermont.....	151	149	363	670	2,112	1,694	4.45	1.05	1.58	4.81
Massachusetts.....	20,786	9,212	65,904	79,551	70,996	64,009	11.06	22.87	22.78	15.24
Rhode Island.....	1,701	380	2,620	5,127	9,338	18,885	6.15	5.83	9.02	26.15
Connecticut.....	4,967	3,761	1,678	7,111	6,088	3,120	7.98	1.78	6.12	1.93
Middle Atlantic.....	22,191	6,954	8,576	36,847	252,865	401,411	2.11	.53	4.22	16.22
New York.....	7,669	1,800	8,187	30,205	186,642	244,351	1.51	1.03	9.05	21.50
New Jersey.....	649	947	(*)	642	10,555	63,294	.57	.....	.24	17.04
Pennsylvania.....	18,883	4,207	389	(*)	49,968	93,786	3.24	.06	.....	9.71
East North Central.....	22,130	24,860	13,598	18,105	99,446	246,158	1.98	1.13	.95	10.09
Ohio.....	10,023	6,938	4,685	5,142	30,143	20,302	5.13	1.10	1.05	3.05
Indiana.....	4,990	8,697	2,914	1,360	2,325	2,272	2.53	1.13	.49	9.72
Illinois.....	1,440	1,611	2,155	2,273	15,880	142,233	4.47	4.33	.39	10.62
Michigan.....	3,253	5,308	6,503	7,089	50,984	79,687	1.09	2.05	2.41	17.64
Wisconsin.....	2,462	2,276	2,278	2,261	2,164	1,664	1.87	1.07	.93	.67
West North Central.....	26,968	17,392	10,233	8,130	74,661	180,350	4.37	.97	.68	12.19
Minnesota.....	6,417	2,426	1,755	1,346	20,308	16,712	6.94	.95	.63	6.26
Iowa.....	546	245	.....	397	1,457	22,045	3.34	.....	.16	8.09
Missouri.....	19,509	11,760	4,366	4,671	30,453	79,259	9.00	1.37	1.40	20.03
North Dakota.....	.....	715	968	820	5,013	6,034	.....	2.64	1.20	7.85
South Dakota.....	.....	872	457	370	16,431	18,380	.....	1.03	.58	26.52
Nebraska.....	440	254	2,005	374	1,038	2,921	.97	1.38	.31	2.10
Kansas.....	994	1,120	632	243	78	24,949	1.00	.43	.14	13.63
South Atlantic.....	78,908	70,213	51,645	51,942	123,630	336,235	10.39	4.66	4.07	22.00
Delaware.....	905	888	762	763	5,334	8,889	6.18	4.05	3.70	36.83
Maryland.....	11,119	7,551	4,943	7,334	22,129	23,010	11.89	4.06	5.56	15.01
Virginia ¹	32,764	34,986	23,646	22,043	21,753	27,240	21.06	12.70	10.40	10.76
West Virginia ²	128	184	.....	.....	24,181	52,033	.....	.....	.....	30.92
North Carolina.....	15,422	7,709	6,755	8,059	34,713	164,673	11.02	3.47	3.54	67.24
South Carolina.....	7,478	7,313	6,730	6,190	8,729	30,430	7.51	4.33	3.98	19.75
Georgia.....	9,918	10,450	7,876	6,934	5,419	11,313	6.43	3.44	2.67	3.67
Florida.....	1,174	1,132	1,033	619	860	11,741	4.36	1.34	.77	8.76
East South Central.....	47,602	37,490	35,530	33,849	58,984	88,035	8.62	4.62	3.69	9.42
Kentucky.....	1,094	1,071	2,291	4,441	7,745	8,676	.66	1.04	1.90	3.43
Tennessee.....	30,803	19,696	17,985	11,812	19,142	10,842	10.97	8.68	5.82	8.01
Alabama.....	12,371	12,438	12,727	13,132	15,233	42,339	9.80	6.73	5.05	16.65
Mississippi.....	3,324	3,685	2,877	4,461	14,864	17,178	2.94	1.70	2.41	9.69
West South Central.....	35,877	25,699	19,237	20,369	28,493	34,118	10.76	2.80	2.77	2.36
Arkansas.....	6,789	5,443	1,191	1,235	2,722	3,547	8.46	.83	.76	1.85
Louisiana.....	23,438	16,008	13,693	13,640	14,829	13,766	24.94	0.48	7.89	9.70
Oklahoma.....	.....	610	.....	6,981	1,797	3,740	.....	1.10	3.74	1.59
Texas.....	5,660	4,238	3,993	4,368	6,145	8,059	3.55	1.24	1.14	1.50
Mountain.....	701	4,975	11,323	13,373	50,546	40,375	1.07	6.41	4.51	13.24
Montana.....	70	175	1,513	1,513	7,579	8,324	1.79	4.57	3.73	15.16
Idaho.....	83	219	324	2,143	7,673	7,028	2.54	1.84	5.92	13.24
Wyoming.....	17	320	301	122	4,011	2,718	.82	3.12	.77	11.32
Colorado.....	147	1,947	3,797	3,174	12,019	13,021	.75	6.72	7.70	12.14
New Mexico.....	.....	870	969	1,218	4,954	4,467	.....	4.94	3.41	11.45
Arizona.....	.....	767	3,099	3,005	2,740	2,115	.....	23.86	13.28	4.68
Utah.....	9	450	974	1,430	9,810	7,485	.06	3.36	3.92	14.45
Nevada.....	376	537	624	608	1,751	1,717	6.03	14.70	6.70	22.19
Pacific.....	3,645	3,097	4,463	11,810	138,441	169,154	3.27	1.77	2.48	24.77
Washington.....	.....	873	1,272	1,658	13,191	13,585	.....	2.31	1.21	8.68
Oregon.....	.....	512	2,256	31	39,983	36,585	.....	2.93	.54	0.44
California.....	3,133	2,522	2,956	10,228	65,267	118,984	3.62	1.92	3.83	27.20

¹ Revised figure \$239,399,000, not distributed by States.² Sinking-fund assets exceed total debt.³ Virginia-West Virginia debt settlement not made until 1919.

Source: Bureau of the Census, Department of Commerce.

No. 231.—DEBT OF STATE GOVERNMENT: BY CLASSES, 1927

[All figures, except per capita, in thousands of dollars]

Division and State	Gross Debt at close of year							
	Total		Funded or fixed	Floating		Special assessment bonds and certificates	Current	
	Amount	Per capita		Debt to public trust funds	All other		Revenue bonds and notes	Warrants
Grand total	1,995,428	\$17.01	1,725,729	39,378	34,903	110,221	51,359	33,858
New England	189,984	23.28	101,245	2,559	.....	85,905	169	106
Maine.....	21,789	27.65	20,104	1,464	.....	.....	165	59
New Hampshire.....	1,831	4.05	730	1,005	.....	.....	.....	.....
Vermont.....	1,094	4.81	1,094	.....	.....	.....	.....	.....
Massachusetts.....	126,453	29.83	40,545	.....	.....	85,905	4	8
Rhode Island.....	21,874	31.12	21,874	.....	.....	.....	.....	.....
Connecticut.....	10,858	10.08	16,201	.....	.....	.....	.....	42
Middle Atlantic	519,912	20.97	510,374	822	274	.....	492	960
New York.....	342,037	30.10	341,059	630	232	.....	32	5
New Jersey.....	77,235	20.79	77,100	110	.....	.....	.....	19
Pennsylvania.....	99,640	10.81	98,215	17	22	.....	450	936
East North Central	296,168	10.91	242,851	14,428	.....	.....	184	8,705
Ohio.....	20,411	3.07	18,752	5,485	.....	.....	.....	1,174
Indiana.....	2,272	.72	1,630	.....	.....	.....	134	438
Illinois.....	146,174	20.02	141,285	1,815	.....	.....	.....	2,074
Michigan.....	96,047	21.75	84,500	7,128	.....	.....	50	4,000
Wisconsin.....	1,064	.37	1,064	.....	.....	.....	.....	.....
West North Central	282,402	21.47	269,699	4,399	4,109	.....	5,157	9,098
Minnesota.....	61,190	22.93	50,116	.....	.....	.....	.....	5,074
Iowa.....	23,220	9.58	17,875	.....	3,494	.....	219	1,038
Missouri.....	73,119	20.83	68,390	4,399	.....	.....	51	279
North Dakota.....	52,623	50.83	32,108	.....	.....	.....	60	455
South Dakota.....	62,711	90.49	58,050	.....	615	.....	2,850	1,090
Nebraska.....	2,921	2.10	.....	.....	.....	.....	2,477	444
Kansas.....	26,612	14.59	26,500	.....	.....	.....	.....	112
South Atlantic	362,814	23.74	280,256	2,100	30,300	10,250	26,452	3,456
Delaware.....	10,962	45.48	10,951	.....	.....	.....	11	.....
Maryland.....	32,564	20.46	32,551	.....	.....	.....	.....	.....
Virginia.....	30,502	12.05	20,596	1,635	1,008	.....	.....	437
West Virginia.....	67,095	33.92	56,599	.....	.....	.....	.....	496
North Carolina.....	171,033	59.60	163,294	125	.....	.....	10,939	1,295
South Carolina.....	36,747	19.92	5,822	250	24,312	.....	6,734	129
Georgia.....	11,410	8.60	4,943	90	4,320	.....	2,063	.....
Florida.....	11,845	8.84	.....	.....	.....	10,250	.....	1,595
East South Central	86,113	6.43	66,431	12,070	.....	.....	8,407	1,205
Kentucky.....	8,695	8.43	81	2,480	.....	.....	0	0
Tennessee.....	19,842	8.01	14,695	2,527	.....	.....	2,000	620
Alabama.....	42,348	10.65	36,881	4,683	.....	.....	239	545
Mississippi.....	17,238	9.63	14,824	2,380	.....	.....	.....	34
West South Central	34,213	2.95	25,013	1,997	.....	.....	2,334	4,969
Arkansas.....	3,583	1.87	3,033	.....	.....	.....	6	524
Louisiana.....	18,790	9.70	14,462	1,997	.....	.....	2,307	.....
Oklahoma.....	3,395	1.61	3,134	.....	.....	.....	.....	671
Texas.....	8,059	1.50	4,364	.....	.....	.....	21	3,674
Mountain	58,766	14.04	40,101	380	.....	2,972	8,027	2,316
Montana.....	9,586	17.46	5,613	.....	.....	.....	.....	714
Idaho.....	7,743	14.59	5,593	.....	.....	.....	2,021	224
Wyoming.....	8,014	12.56	1,090	.....	.....	.....	.....	106
Colorado.....	18,401	12.49	11,793	.....	.....	.....	1,224	384
New Mexico.....	4,514	11.57	3,398	.....	.....	.....	.....	273
Arizona.....	2,970	6.59	748	.....	.....	2,100	.....	121
Utah.....	10,645	20.55	9,705	.....	.....	.....	525	415
Nevada.....	1,909	24.66	1,402	380	.....	.....	.....	67
Pacific	190,026	29.15	183,819	623	220	11,064	127	3,149
Washington.....	14,614	9.52	14,200	.....	41	.....	.....	673
Oregon.....	64,537	72.76	64,048	.....	.....	.....	.....	489
California.....	119,575	27.33	105,571	623	179	11,064	127	1,981

Source: Bureau of the Census, Department of Commerce.

No. 232.—BONDED INDEBTEDNESS OF STATES, BY PURPOSE OF ISSUE

NOTE.—All figures in thousands of dollars. Data for the various States are not of identical date but with few exceptions are as of Jan. 1, 1928, or of more recent date. Four States (Florida, Nebraska, Kentucky, and Wisconsin) have no bonded indebtedness. Kentucky owes \$10,887,000 on outstanding warrants, and Wisconsin is indebted to its trust fund to the amount of \$1,664,000. "Total debt" includes indebtedness under issues for refunding and for miscellaneous purposes not shown separately. "Education" includes universities and public-school systems (cost of buildings and maintenance). "Welfare institutions" includes special and general hospitals, insane asylums, penal institutions, and reformatory schools. "Agricultural aid" includes rural credits, State Bank of North Dakota, agricultural experiment stations, forestry, etc. "Highways" includes bridges and grade-crossing elimination. "Other improvements" includes physical improvements other than highways, waterways, or buildings. "Other military purposes" includes armories, insurrection costs, and old war debts

Division and State	Total debt	Edu- cation	Welfare insti- tutions	Agri- cul- tural aid	Public build- ings	High- ways	Water- ways and harbors	Other im- prove- ments	Sold- iers' bonus	Other milit- ary pur- poses
United States	1,971,354	43,012	85,786	120,188	26,582	900,931	224,486	141,551	222,430	9,571
New England:										
Maine.....	20,007					16,639		1,150	1,200	751
New Hampshire.....	686		85							500
Vermont.....	6,642	582			80				980	
Massachusetts.....	122,204		7,327		1,250	9,942	6,172	98,041		4,533
Rhode Island.....	21,874	1,200	4,100		5,195	6,563	976	550	2,500	730
Connecticut.....	16,291		2,000							
Middle Atlantic:										
New York.....	361,617		23,500			107,000	151,848	39,669	39,600	
New Jersey.....	83,116			116		71,000			12,000	
Pennsylvania.....	93,862					93,221				
East North Central:										
Ohio.....	12,500								12,500	
Indiana.....	340	840								
Illinois.....	145,293					97,000			48,275	
Michigan.....	82,250					59,000			30,000	
Wisconsin.....	1,664	1,664								
West North Central:										
Minnesota.....	89,019	2,471		46,950	175	32,987		25	5,660	772
Iowa.....	16,500								16,500	
Missouri.....	72,639	4,309				50,000			18,240	
North Dakota.....	33,350			33,359						
South Dakota.....	60,500			30,000		4,500		2,000	6,000	
Kansas.....	26,600								26,500	
South Atlantic:										
Delaware.....	11,377	502	35			10,530				
Maryland.....	29,231	635	471		6,750	17,828		1,469		
Virginia.....	26,422	2,467	1			7,428				
West Virginia.....	59,575					49,150				
North Carolina.....	155,993	14,585	23,648		250	98,500		1,643		
South Carolina.....	12,075			250	7					(?)
Georgia.....	4,893	292								
East South Central:										
Kentucky.....	10,887									
Tennessee.....	10,731	3,205	588		1,880	1,000		40		
Alabama.....	44,107					26,550	9,000			
Mississippi.....	15,300		1,500		1,781			1,800		
West South Central:										
Arkansas.....	32,128	2,372	328			26,000			3,000	
Louisiana.....	55,914		960			2,462	41,636			1,000
Oklahoma.....	1,073				1,000					
Texas.....	4,032									
Mountain:										
Montana.....	5,613	4,981			610					
Idaho.....	5,367	340	725		900	2,700		105		
Wyoming.....	1,909				9	1,000				
Colorado.....	11,643					8,800				1,104
New Mexico.....	3,870		125		284	2,300				88
Arizona.....	2,833		20		3					
Utah.....	9,660	300			1,600	7,260				
Nevada.....	1,842	78	373	63	298	500				
Pacific:										
Washington.....	10,200								10,200	
Oregon.....	65,563			450		34,467			28,500	
California.....	110,125	2,480			5,010	64,725	14,853		20,775	4

¹ Certificates of indebtedness to school and normal funds from general fund of State (not bonded indebtedness).

² Less than \$500.

³ Outstanding warrants (not bonded indebtedness).

Source: The Bank of America, New York, N. Y.

No. 233.—DEBT OF STATE GOVERNMENTS: GROSS DEBT, SINKING FUND ASSETS, AND GROSS DEBT LESS SINKING FUND OF THE 48 STATES COMBINED

[All figures except per capita in thousands of dollars]

Year	Gross debt					Sinking fund assets	Gross debt less sinking fund assets	
	Total	Funded or fixed ¹	Floating		Current ²		Amount	Per capita
			Debt to public trust funds	Other floating ³				
1880	506,017	261,090	25,723		19,198	31,271	274,746	\$5.48
1890	258,195	204,041	33,042		19,912	40,935	211,210	5.37
1895	225,488	174,560	37,742		13,156	31,272	194,210	2.80
1900	205,138	214,315	39,016		11,802	29,821	235,454	3.10
1902 ⁴	274,149	163,810	40,808		69,522	34,859	239,369	3.03
1905	278,135	228,831	38,252		11,052	39,265	238,870	2.85
1910	322,049	271,007	39,486		11,856	66,814	256,143	2.78
1912	422,707	280,494	38,530		63,773	76,081	346,942	3.57
1915	532,713	403,150	38,508	147	95,902	88,033	445,675	4.52
1917	632,300	487,545	40,000	1,294	102,430	104,844	527,465	5.18
1918	637,542	509,113	40,630	944	103,835	125,505	531,637	5.14
1919	693,623	547,346	40,648	612	105,017	140,677	546,946	5.20
1922	1,162,648	955,859	(⁵)	642,068	134,721	227,105	935,543	8.04
1923	1,288,830	1,033,584	38,552	6,939	159,734	254,882	1,038,948	9.48
1924	1,502,643	1,358,932	43,459	1,460	185,732	310,643	1,281,700	11.52
1925	1,745,851	1,508,127	46,306	1,225	189,093	346,687	1,398,964	12.42
1926	1,858,037	1,609,764	39,635	13,143	195,495	378,056	1,470,981	12.77
1927	1,995,428	1,725,729	39,378	84,903	195,418	401,607	1,593,731	13.50

¹ Prior to 1925, contingent or special assessment debt was included with funded and fixed debt. In this table, it has been excluded from funded and fixed and included with current debt, except for 1890 to 1900, 1905, and 1910, when no segregation could be made.

² Not segregated prior to 1915; included with funded and fixed.

³ Includes special assessment debt, revenue bonds and notes, and warrants.

⁴ There was an excess of sinking fund assets over gross debt in one State.

⁵ Revised figures. ⁶ Debt to public trust funds included with "Other floating."

No. 234.—LOCAL GOVERNMENT DEBT BY CLASSES OF CIVIL DIVISIONS: GROSS DEBT LESS SINKING FUND ASSETS, 1922

NOTE.—All figures in thousands of dollars. For combined total, see Table 235

Division and State	Counties	Incorporated places	All other civil divisions	Division and State	Counties	Incorporated places	All other civil divisions
Grand total	1,272,790	4,703,322	1,778,084	South Atlantic—Continued.			
New England	14,557	395,823	29,871	Virginia	22,102	75,023	234
Maine	2,546	14,967	12,038	West Virginia	24,859	10,639	10,773
New Hampshire	621	9,814	2,670	North Carolina	67,012	67,239	13,687
Vermont	136	6,295	3,451	South Carolina	21,556	20,747	7,978
Massachusetts	9,764	242,362	820	Georgia	22,810	34,370	1,439
Rhode Island		39,001		Florida	29,270	39,435	28,005
Connecticut	1,490	82,484	10,892	East South Central	89,729	150,384	73,466
Middle Atlantic	190,130	1,988,322	205,114	Kentucky	12,340	25,880	4,654
New York	45,886	1,407,238	44,154	Tennessee	43,628	65,686	4,981
New Jersey	73,854	250,238	35,725	Alabama	24,025	35,940	
Pennsylvania	70,390	304,846	125,235	Mississippi	9,836	22,878	65,621
East North Central	272,348	832,359	443,402	West South Central	142,713	243,205	290,135
Ohio	94,940	348,412	196,398	Arkansas	4,680	3,065	83,813
Indiana	77,115	30,484	2,303	Louisiana	19,943	61,205	39,069
Illinois	28,432	171,283	150,224	Oklahoma	21,850	60,500	42,530
Michigan	42,032	218,152	50,000	Texas	96,240	118,135	135,823
Wisconsin	29,479	64,028	8,862	Mountain	81,151	120,763	120,318
West North Central	185,624	309,751	281,587	Montana	27,340	16,178	14,132
Minnesota	81,202	103,584	64,204	Idaho	1,239	14,105	20,170
Iowa	43,228	45,167	61,762	Wyoming	2,444	8,672	4,001
Missouri	17,015	28,687	41,218	Colorado	7,734	45,186	54,209
North Dakota	5,852	12,716	15,780	New Mexico	3,114	0,149	10,793
South Dakota	6,512	12,403	16,208	Arizona	20,030	11,883	10,269
Nebraska	8,787	37,444	50,616	Utah	6,427	17,357	16,458
Kansas	21,998	69,601	31,893	Nevada	2,717	1,248	1,285
South Atlantic	201,468	353,306	64,818	Pacific	95,175	329,410	264,385
Delaware	5,961	10,659		Washington	21,920	84,001	49,051
Maryland	7,893	88,920	2,012	Oregon	19,529	53,040	25,542
District of Columbia		150		California	53,726	101,469	139,702

Source of Tables 233 and 234: Bureau of the Census, Department of Commerce.

No. 235.—DEBTS OF LOCAL GOVERNMENTS: COMBINED GROSS DEBT LESS
SINKING FUND ASSETS OF ALL CIVIL DIVISIONS

NOTE.—Debts of State governments are not included in this table but are included in Table 236. For subdivision by classes of government see Table 234

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
Total	848,538	925,990	1,630,070	3,475,954	7,754,196	16.92	14.79	20.74	35.81	71.61
New England	128,694	128,089	226,616	295,391	440,261	32.08	27.25	39.48	43.03	57.93
Maine.....	17,724	12,130	12,261	21,543	29,561	27.31	18.35	17.49	28.42	38.21
New Hampshire.....	7,163	5,457	9,862	9,345	13,105	20.04	14.49	23.56	21.40	30.47
Vermont.....	4,348	3,637	4,854	6,411	9,882	13.09	10.94	14.03	17.81	28.04
Massachusetts.....	17,125	74,283	143,799	187,578	252,946	39.89	33.18	49.85	52.86	63.62
Rhode Island.....	11,270	12,619	25,530	25,539	39,901	40.78	36.52	56.84	44.15	64.36
Connecticut.....	17,034	10,963	30,210	44,925	94,866	27.36	26.75	32.11	38.01	66.09
Middle Atlantic	353,235	314,739	637,311	1,461,733	2,363,566	33.65	24.78	39.62	71.06	103.15
New York.....	211,187	190,455	423,185	1,046,227	1,497,278	41.55	33.25	56.56	107.71	140.63
New Jersey.....	48,733	45,811	81,204	169,527	365,817	43.08	33.43	40.86	61.66	111.42
Pennsylvania.....	93,318	68,873	126,922	245,979	500,471	21.79	12.74	19.49	30.34	55.72
East North Central	119,748	140,270	271,981	528,510	1,553,109	10.69	10.41	16.48	27.84	70.13
Ohio.....	43,022	63,930	112,545	234,525	639,300	13.45	17.41	26.45	47.23	107.20
Indiana.....	13,357	15,904	31,914	66,053	160,407	6.75	7.25	12.36	23.93	50.43
Illinois.....	46,942	40,657	78,560	137,208	350,139	14.60	10.63	15.65	23.24	52.58
Michigan.....	8,803	11,034	28,272	52,908	810,844	5.38	5.56	11.42	18.02	80.84
Wisconsin.....	9,024	8,145	20,070	37,816	102,359	7.32	4.83	9.41	15.63	38.00
West North Central	77,226	138,830	168,670	274,790	776,862	12.54	15.56	15.94	32.94	60.97
Minnesota.....	5,911	23,812	38,929	69,018	249,300	7.57	18.29	21.12	31.64	101.70
Iowa.....	7,592	11,025	17,390	35,069	150,157	4.67	5.77	7.82	15.78	61.52
Missouri.....	40,755	39,798	46,031	56,951	87,820	18.80	14.85	14.42	16.98	25.58
North Dakota.....	132	3,139	4,640	12,441	34,353	3.57	17.18	12.67	18.83	51.95
South Dakota.....	897	5,742	6,127	12,316	35,123	8.82	17.46	14.48	19.15	54.25
Nebraska.....	7,050	15,283	20,410	36,371	96,717	15.58	14.43	19.13	20.50	73.14
Kansas.....	14,918	39,509	35,143	52,625	123,392	14.98	27.69	23.99	31.22	69.11
South Atlantic	89,012	95,235	107,564	203,263	619,586	11.72	10.75	9.99	15.94	44.38
Delaware.....	1,460	2,031	3,383	6,097	18,617	10.00	12.00	17.99	29.31	72.42
Maryland.....	30,310	33,741	28,701	52,212	98,625	32.42	32.37	21.12	39.25	66.53
District of Columbia.....	22,498	19,781	14,540	9,061	156	126.06	85.80	50.42	26.03	36
Virginia.....	12,755	16,610	23,934	39,887	97,359	8.43	10.03	12.64	18.73	41.14
West Virginia.....	1,514	2,345	4,768	11,195	40,331	2.46	3.08	4.78	8.57	30.26
North Carolina.....	2,540	3,414	8,593	26,285	147,998	1.81	2.11	4.41	11.30	56.91
South Carolina.....	6,707	6,342	9,021	15,097	58,231	6.74	5.51	6.55	9.60	32.59
Georgia.....	9,730	9,823	13,410	25,614	53,619	6.31	5.35	5.85	9.36	19.74
Florida.....	1,492	1,145	4,214	17,805	97,400	5.53	2.92	7.52	21.90	95.11
East South Central	31,104	36,636	55,178	126,973	313,569	5.57	5.70	7.10	14.61	34.84
Tennessee.....	13,888	17,762	20,550	25,588	42,774	8.42	9.50	9.32	10.95	17.61
Kentucky.....	9,947	9,848	14,733	47,287	114,195	6.45	5.57	7.11	21.13	48.20
Alabama.....	5,637	6,518	14,366	29,930	59,965	4.46	4.31	7.59	13.37	24.83
Mississippi.....	1,632	2,506	5,527	24,168	96,635	1.44	1.95	3.45	12.88	53.97
West South Central	22,410	35,339	63,715	211,066	676,053	8.82	7.78	9.25	22.18	64.00
Arkansas.....	3,944	2,157	3,034	12,577	88,558	4.91	1.91	2.25	7.58	49.51
Louisiana.....	19,428	17,327	24,184	61,461	112,117	20.07	15.49	16.86	35.21	61.10
Oklahoma.....	6,038	15,855	32,457	83,238	350,198	3.79	7.09	10.11	19.95	72.44
Mountain	6,106	19,003	45,463	99,497	322,230	9.35	18.43	25.75	33.78	81.96
Montana.....	695	2,751	7,717	16,633	57,650	17.75	20.82	29.30	39.69	67.40
Idaho.....	147	1,376	3,560	11,987	54,520	4.51	16.30	20.18	31.64	119.43
Wyoming.....	189	1,327	2,266	4,202	15,117	9.07	21.87	23.54	25.73	73.52
Colorado.....	3,481	7,811	18,269	36,478	87,170	17.02	18.95	32.34	41.29	89.91
New Mexico.....	85	1,962	3,581	6,444	20,056	7.1	12.77	17.70	17.41	54.42
Arizona.....	378	2,181	3,492	7,324	42,233	9.33	36.58	26.89	31.73	117.02
Utah.....	107	767	4,638	13,850	40,222	7.74	3.09	19.45	34.24	83.89
Nevada.....	1,024	828	940	2,575	5,253	10.45	18.09	22.21	27.19	67.87
Pacific	14,028	16,371	54,294	274,741	688,970	12.69	9.82	21.53	57.61	117.60
Washington.....	240	2,846	23,285	94,415	155,872	3.19	8.14	51.40	70.21	110.83
Oregon.....	337	2,478	11,066	43,797	98,111	1.93	7.90	25.57	57.86	121.27
California.....	13,449	13,047	14,943	136,520	434,987	15.55	10.80	9.71	51.18	119.40

¹ Includes \$353,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

No. 236.—DEBTS OF STATE AND LOCAL GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS OF STATES, COUNTIES, CITIES, TOWNS, VILLAGES, TOWNSHIPS, SCHOOL DISTRICTS, AND ALL OTHER CIVIL DIVISIONS COMBINED

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
Grand total	1, 123, 279	1, 137, 200	1, 864, 978	3, 821, 897	8, 689, 740	22.40	18.16	23.73	39.37	79.92
New England	185, 410	148, 524	301, 478	390, 960	550, 709	41.24	31.60	52.52	56.95	72.48
Maine.....	23, 236	15, 772	15, 047	22, 798	42, 457	35.81	23.86	21.43	30.08	54.00
New Hampshire.....	10, 793	8, 148	11, 413	11, 300	16, 123	31.10	21.64	27.27	26.87	36.16
Vermont.....	4, 499	3, 785	6, 217	6, 981	11, 994	13.54	11.39	15.08	19.39	34.03
Massachusetts.....	91, 910	84, 095	209, 763	267, 129	329, 942	51.55	37.56	52.72	75.28	83.04
Rhode Island.....	12, 971	12, 909	28, 150	30, 716	40, 239	40.91	37.62	62.67	52.99	79.38
Connecticut.....	22, 002	23, 275	31, 888	36, 036	100, 954	35.33	31.70	33.89	44.03	70.53
Middle Atlantic	375, 430	321, 693	645, 530	1, 548, 580	2, 616, 431	35.77	25.33	40.15	75.28	114.19
New York.....	218, 846	201, 259	437, 372	1, 132, 432	1, 683, 820	43.00	33.55	57.64	116.59	158.15
New Jersey.....	49, 383	49, 258	81, 147	176, 169	382, 172	43.06	34.09	40.82	61.89	116.40
Pennsylvania.....	107, 202	71, 180	127, 311	245, 979	550, 439	25.03	13.54	19.55	30.34	61.28
East North Central	141, 928	185, 229	289, 980	548, 615	1, 652, 555	12.66	12.28	17.61	28.79	74.02
Ohio.....	53, 044	70, 027	117, 230	239, 607	609, 443	16.59	19.32	27.55	48.27	112.25
Indiana.....	18, 353	22, 472	34, 828	67, 404	152, 792	9.28	11.16	13.49	24.41	51.21
Illinois.....	46, 389	42, 468	80, 715	139, 480	364, 019	15.07	11.10	16.08	23.62	54.06
Michigan.....	12, 056	16, 942	34, 839	59, 997	361, 778	7.36	8.09	14.07	20.43	94.90
Wisconsin.....	12, 086	10, 421	22, 348	40, 067	104, 523	9.19	6.18	10.49	10.56	38.81
West North Central	104, 131	156, 700	178, 902	282, 971	851, 548	10.91	17.52	16.91	23.62	66.83
Minnesota.....	11, 328	20, 238	40, 684	70, 364	268, 608	14.51	20.15	22.07	32.20	109.99
Iowa.....	8, 138	11, 271	17, 440	35, 429	151, 014	5.01	5.90	7.84	15.94	62.11
Missouri.....	60, 264	51, 558	50, 307	61, 622	118, 270	27.79	19.24	16.79	18.37	34.46
North Dakota.....	13, 042	3, 855	5, 608	13, 261	40, 260	3.57	21.10	15.31	20.07	60.89
South Dakota.....	8, 677	6, 614	6, 584	12, 685	50, 554	8.32	20.11	15.56	19.72	78.00
Nebraska.....	7, 490	15, 637	22, 415	36, 745	97, 755	16.50	14.67	21.01	16.80	73.93
Kansas.....	15, 912	40, 629	35, 774	52, 898	128, 470	15.97	28.47	24.42	31.36	69.16
South Atlantic	187, 920	185, 454	159, 208	255, 195	743, 218	22.10	18.68	14.79	20.02	51.81
Delaware.....	2, 371	2, 919	4, 145	6, 800	22, 461	16.17	17.32	22.04	32.98	98.32
Maryland.....	41, 423	41, 292	30, 643	59, 546	120, 964	44.31	39.61	25.18	44.70	81.43
District of Columbia.....	22, 498	19, 781	14, 540	9, 061	16, 040	126.66	85.86	60.42	26.03	37.30
Virginia.....	45, 619	51, 597	47, 481	61, 930	119, 116	30.09	31.16	26.07	29.09	50.23
West Virginia.....	1, 641	2, 532	1, 476	11, 195	70, 512	2.05	3.32	4.78	8.57	46.58
North Carolina.....	17, 963	11, 124	15, 348	34, 344	182, 711	12.33	6.87	7.88	14.88	69.03
South Carolina.....	14, 185	13, 060	15, 751	21, 287	65, 010	14.25	11.87	11.43	13.54	37.64
Georgia.....	19, 048	20, 272	21, 286	32, 848	94, 038	12.74	11.03	9.29	11.80	21.56
Florida.....	2, 666	2, 277	5, 247	18, 424	98, 269	9.89	5.81	9.30	22.72	92.96
East South Central	78, 696	74, 128	91, 056	160, 320	370, 553	14.09	11.53	11.54	18.51	41.17
Kentucky.....	14, 982	19, 433	22, 842	30, 031	60, 510	0.99	10.46	10.30	12.85	20.68
Tennessee.....	49, 750	29, 544	32, 717	59, 098	133, 337	26.42	16.79	20.41	56.27	66.27
Alabama.....	18, 008	18, 955	27, 092	43, 093	75, 198	14.26	12.53	14.32	19.24	31.37
Mississippi.....	4, 956	6, 193	8, 404	28, 628	111, 409	4.38	4.81	5.26	15.25	62.27
West South Central	65, 287	61, 028	83, 002	237, 435	704, 548	10.55	13.43	12.06	24.95	86.70
Arkansas.....	10, 733	7, 000	4, 226	13, 313	91, 280	13.37	6.73	8.13	8.32	51.03
Louisiana.....	42, 865	33, 335	37, 777	76, 007	126, 646	45.90	29.80	20.34	42.97	69.18
Oklahoma.....	1, 649	1, 649	1, 649	1, 649	1, 649	1, 649	1, 649	1, 649	1, 649	1, 649
Texas.....	11, 688	20, 063	36, 450	87, 894	359, 343	7.34	8.99	11.07	31.32	61.75
Mountain	6, 807	23, 878	56, 786	112, 770	372, 776	10.42	20.74	32.16	53.29	106.39
Montana.....	765	2, 020	5, 921	15, 146	65, 229	19.54	22.15	33.87	43.29	110.20
Idaho.....	230	1, 594	3, 884	14, 131	62, 193	7.05	18.89	22.02	37.40	136.24
Wyoming.....	205	1, 047	2, 566	4, 324	19, 128	9.88	27.14	30.66	26.48	63.02
Colorado.....	3, 628	9, 458	22, 067	39, 647	99, 198	18.67	22.95	39.06	44.89	101.78
New Mexico.....	85	2, 832	4, 580	7, 622	25, 010	7.1	18.44	22.64	20.70	67.86
Arizona.....	378	2, 938	6, 592	10, 389	44, 973	0.33	49.28	50.75	45.01	124.01
Utah.....	116	1, 218	6, 613	15, 288	50, 041	8.1	5.85	22.81	37.77	106.55
Nevada.....	1, 400	1, 805	1, 564	3, 183	7, 004	22.48	29.83	27.97	33.60	90.49
Pacific	17, 870	21, 488	58, 757	288, 551	827, 411	15.85	11.49	23.30	60.08	141.23
Washington.....	239	3, 419	29, 557	95, 971	199, 063	3.19	9.78	53.71	71.37	120.21
Oregon.....	849	1, 302	43, 828	138, 094	4, 860	7.90	26.11	67.90	170.69	170.69
California.....	10, 582	15, 569	17, 898	146, 752	520, 254	10.18	12.89	11.60	55.01	142.81

¹ No State indebtedness reported; the Virginia-West Virginia debt settlement was not made until 1919.

² Includes \$353,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

No. 237.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS: BY SIZE GROUPS

NOTE.—See headnote, Table 226

[All figures in thousands of dollars]

	All cities over 30,000 ¹			1927—Cities of—				
	1915	1922	1927	Over 500,000	300,000-500,000	100,000-300,000	50,000-100,000	30,000-50,000
Revenue receipts, total	940,385	2,007,009	2,945,512	1,055,177	301,984	533,149	207,637	157,365
From taxes, total.....	641,973	1,441,108	2,047,341	1,157,515	209,304	365,347	207,944	107,231
General property.....	570,831	1,337,784	1,888,705	1,063,988	196,947	337,461	192,522	97,787
Special property.....		13,372	15,066	4,369	511	6,689	2,099	1,398
Other special taxes.....	69,350	27,718	49,391	33,074	1,370	6,771	4,111	3,465
Business and nonbusiness license.....		53,078	88,941	54,738	10,271	12,623	7,469	3,840
Poll.....	1,702	4,150	5,238	746	205	1,803	1,743	741
Special assessments and special charges for outlays.....	79,891	103,135	233,293	125,060	22,230	43,887	27,574	14,227
Fines, forfeits, and escheats.....	4,449	13,035	18,733	8,793	1,598	4,983	2,127	1,232
Subventions and grants.....	36,141	99,085	117,066	58,197	11,089	24,542	15,128	8,140
Donations, gifts, and pension assessments.....	3,754	20,020	27,190	17,695	3,230	3,447	1,814	1,010
Highway privileges, rents of investment property, and interest.....	55,072	94,151	136,455	98,463	12,970	15,993	6,220	2,813
Earnings of general departments.....	22,547	51,970	74,450	40,643	8,919	12,980	7,653	4,252
Earnings of public-service enterprises.....	96,558	184,505	290,942	148,815	32,029	61,961	29,077	18,460
Governmental-cost payments, total	1,080,141	2,222,567	3,324,386	1,850,681	333,351	625,252	331,793	183,359
Operation, maintenance, and interest, total.....	750,556	1,604,631	2,232,427	1,235,129	230,323	417,699	228,113	121,166
Operation and maintenance (except interest), total.....	622,029	1,390,704	1,913,178	1,051,382	197,245	357,594	200,379	106,578
General departments, total.....	578,203	1,284,189	1,760,707	968,207	173,362	324,633	183,284	96,161
General government.....	65,457	113,947	148,061	94,785	17,724	18,861	10,722	5,969
Protection to person and property.....	127,510	267,577	350,341	193,336	35,101	67,968	38,283	17,653
Health and sanitation.....	68,472	126,045	176,996	105,007	17,273	30,515	16,117	8,024
Highways.....	65,509	111,356	157,198	84,686	17,483	29,177	15,942	9,910
Charities, hospitals, and corrections.....	30,293	80,526	106,492	69,579	13,389	13,225	6,564	3,735
Education—								
Schools.....	174,039	484,345	645,382	318,422	62,183	133,042	83,599	43,131
Libraries.....	7,552	16,038	22,881	11,481	2,729	4,670	2,665	1,339
Recreation.....	21,389	42,233	60,364	35,101	5,313	11,259	5,643	3,048
Miscellaneous.....	18,980	51,802	82,092	65,810	7,165	10,916	5,749	3,352
Public-service enterprises.....	43,823	106,575	162,477	83,115	18,883	32,961	17,095	10,417
Interest.....	128,527	213,867	310,249	183,747	33,078	60,102	27,734	14,588
Excess of revenue receipts over operation, maintenance, and interest.....	139,829	402,378	713,085	420,048	71,861	115,468	68,724	30,199
Outlays for permanent improvements.....	320,585	617,936	1,091,959	615,502	103,028	207,555	103,680	62,193
Excess of total governmental-cost payments over revenue receipts.....	139,759	215,556	378,874	195,454	31,367	92,103	33,956	25,994

¹ There were 204 cities of this class in 1915, 261 in 1922, and 250 in 1927.

Source: Bureau of the Census, Department of Commerce.

No. 238.—PER CAPITAL REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS

	All cities of over 30,000			1927—Cities of—				
	1915	1922	1927	Over 500,000	300,000-500,000	100,000-300,000	50,000-100,000	30,000-50,000
Revenue receipts	\$30.17	\$51.81	\$63.96	\$84.95	\$73.83	\$53.36	\$50.02	\$50.13
From taxes.....	20.60	37.21	47.02	59.41	50.47	36.57	34.91	34.15
General property.....	18.31	34.54	44.21	54.61	47.49	33.78	32.33	31.15
Special property.....			.35	.22	.12	.07	.35	.45
Other special taxes.....	2.23	1.06	1.16	1.73	.33	.88	.69	1.10
Business and nonbusiness licenses.....		1.50	2.08	2.81	2.48	1.26	1.25	1.22
Poll.....	.06	.11	.12	.04	.05	.18	.20	.24
Special assessments and special charges for outlay.....	2.56	2.06	5.46	6.42	5.36	4.39	4.68	4.53
Fines, forfeits, and escheats.....	.14	.34	.44	.45	.39	.50	.36	.39
Subventions and grants, donations, gifts, and pension assessments.....	1.28	3.07	3.38	3.89	3.45	2.30	2.85	2.91
Highway privileges, rents of investment property and interest.....	1.70	2.48	3.19	5.05	3.13	1.60	1.04	.90
Earnings of general departments.....	.72	1.34	1.74	2.09	2.15	1.30	1.23	1.35
Earnings of public-service enterprises.....	3.10	4.76	6.31	7.94	7.87	6.20	4.88	5.88
Governmental-cost payments for operation, maintenance, and interest	24.08	41.42	52.26	63.39	55.54	41.61	38.31	39.60
Operation and maintenance	19.96	35.90	44.79	53.96	47.56	35.79	33.65	33.95
General departments.....	18.55	33.15	40.98	49.69	43.01	32.43	30.78	30.68
General government.....	2.10	2.94	3.47	4.86	4.27	1.89	1.80	1.90
Protection to person and property.....	4.09	6.66	8.20	9.92	8.47	6.80	6.09	5.62
Health and sanitation.....	1.87	3.25	4.15	5.39	4.17	3.06	2.71	2.56
Highways.....	2.10	2.87	3.68	4.35	4.22	2.92	2.93	3.15
Charities, hospitals, and corrections.....	1.26	2.08	2.49	3.57	3.28	1.32	1.10	1.19
Education—								
Schools.....	5.58	12.50	15.11	16.34	15.00	13.82	14.04	13.74
Libraries.....	.24	.41	.54	.59	.65	.47	.45	.43
Recreation.....	.69	1.09	1.41	1.80	1.23	1.13	.95	.97
Miscellaneous.....	.61	1.34	1.94	2.86	1.73	1.09	.97	1.07
Public-service enterprises.....	1.41	2.75	3.80	4.27	4.55	3.30	2.87	3.32
Interest.....	4.12	5.52	7.47	9.43	7.98	6.02	4.66	4.65
Excess of revenue receipts over payments for operation, maintenance, and interest	6.09	10.39	16.69	21.56	17.28	11.58	11.71	11.53

No. 239.—COMPARATIVE SUMMARY OF PER CAPITA REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF 146 CITIES

NOTE.—See headnote, Table 226. Table includes all cities of 30,000 or more inhabitants in 1923

Year	Per capita revenue receipts ¹			Per capita governmental-cost payments for operation, maintenance, and interest ¹					Per capita net debt
	Total	Other than of public-service enterprises	Of public-service enterprises	Total	Operation and maintenance ¹			Interest	
					Total	Of general departments	Of public-service enterprises		
1903.....	\$21.14	\$18.71	\$2.42	\$16.41	\$14.35	\$13.25	\$1.10	\$2.06	\$44.71
1909.....	26.42	23.63	2.89	20.14	17.23	16.06	1.22	2.80	51.21
1911.....	28.07	25.09	2.98	21.24	18.17	16.91	1.26	3.07	67.62
1913.....	28.55	25.74	2.81	22.17	19.02	17.67	1.35	3.15	69.28
1915.....	30.00	26.97	3.03	23.92	20.34	18.95	1.39	3.68	77.86
1917.....	31.97	28.84	3.13	24.68	20.92	19.53	1.39	3.66	80.76
1919.....	35.26	31.65	3.61	28.07	24.18	22.23	1.90	3.89	81.18
1922.....	53.57	48.74	4.83	42.93	37.14	34.37	2.77	5.79	97.57
1924.....	58.41	52.42	6.00	45.62	40.42	36.89	3.53	5.25	110.09
1925.....	61.90	55.70	6.19	47.87	42.28	38.72	3.56	5.68	119.45
1926.....	68.14	60.55	6.60	60.30	44.27	40.51	3.76	6.03	123.13
1927.....	69.77	63.09	6.67	52.64	46.25	42.44	3.81	6.33	134.27

¹ Service transfers and interest transfers included in the amounts for the year 1922.

Source of Tables 238 and 239: Bureau of the Census, Department of Commerce.

No. 240.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS

NOTE.—Amounts, except per capita, in thousands of dollars. Minus sign indicates excess of payments.

City number in order of size	City	Total revenue receipts	Total governmental-cost payments	For operation, maintenance, and interest				Outlays for permanent improvements	Excess of revenues over—	
				Total	General departments	Public-service enterprises	Interest		Total payments	Payments except outlays
1	New York, N. Y.	557,772	554,635	434,208	327,593	16,950	80,658	120,420	3,137	123,560
2	Chicago, Ill.	240,629	228,773	161,616	140,762	7,061	13,693	127,235	-43,122	79,113
3	Philadelphia, Pa.	124,711	172,920	105,440	82,820	2,053	19,607	67,480	-48,209	19,271
4	Detroit, Mich.	143,191	171,537	90,731	66,248	22,107	11,370	71,566	-28,396	43,460
5	Cleveland, Ohio	74,887	85,949	66,843	41,683	5,217	9,438	27,006	-8,962	18,644
6	St. Louis, Mo.	46,882	56,242	36,860	26,775	2,371	1,643	10,562	-8,560	11,002
7	Baltimore, Md.	41,417	49,952	30,125	27,322	2,150	6,304	14,176	-8,535	5,641
8	Boston, Mass.	70,153	71,919	40,775	49,815	2,088	7,800	11,707	4,234	16,031
9	Los Angeles, Calif.	131,921	154,937	50,320	58,831	11,370	10,060	74,617	-23,016	51,601
10	Pittsburgh, Pa.	48,849	61,472	39,984	33,041	2,106	4,837	21,488	-12,623	8,865
11	San Francisco, Calif.	43,803	48,731	33,131	32,627	3,084	3,820	15,600	-4,928	10,672
12	Buffalo, N. Y.	45,969	53,988	37,115	31,742	1,625	3,748	16,783	-7,920	8,854
13	Washington, D. C.	38,563	36,984	26,722	25,818	603	9,963	0,963	1,884	11,847
14	Milwaukee, Wis.	40,353	45,954	29,044	25,242	1,471	2,131	16,910	-5,420	11,481
15	Newark, N. J.	37,652	47,169	32,755	26,640	1,871	4,244	14,414	-9,507	4,907
16	Minneapolis, Minn.	27,836	26,324	21,784	18,022	1,715	3,047	7,540	-1,338	6,202
17	New Orleans, La.	26,742	29,602	16,871	12,062	2,279	2,630	12,631	-5,760	6,871
18	Cincinnati, Ohio	36,247	37,005	26,433	10,007	1,277	5,640	10,472	-1,768	8,714
19	Kansas City, Mo.	21,752	30,670	20,318	16,198	1,933	2,137	10,352	-8,888	1,464
20	Seattle, Wash.	40,146	38,012	25,773	14,821	7,179	3,773	12,239	2,134	14,373
21	Indianapolis, Ind.	19,595	29,477	14,861	13,361	22	1,478	5,611	-832	4,734
22	Rochester, N. Y.	25,626	30,732	21,411	18,215	730	2,476	9,321	-5,206	4,115
23	Jersey City, N. J.	32,600	28,440	23,702	18,278	1,340	4,174	4,648	4,229	8,877
24	Louisville, Ky.	15,216	17,066	10,697	8,940	644	1,013	6,409	-1,850	4,619
25	Toledo, Ohio	22,413	24,963	16,628	12,216	843	2,567	9,325	-2,540	6,785
26	Akron, Ohio	11,018	14,783	8,608	6,567	308	3,568	6,175	-3,165	3,010
27	Columbus, Ohio	16,385	17,768	11,617	8,196	936	2,385	6,241	-2,373	3,868
28	Portland, Ore.	18,462	22,283	13,853	9,048	2,063	2,867	8,425	-3,821	4,604
29	Denver, Colo.	17,776	18,460	15,148	11,594	1,287	1,017	3,321	-693	2,628
30	Providence, R. I.	13,791	17,656	11,685	9,648	427	1,660	5,971	-3,806	2,166
31	Oakland, Calif.	10,127	24,429	11,169	9,815	371	1,060	13,263	-3,302	4,961
32	St. Paul, Minn.	13,481	14,132	10,732	7,987	671	2,074	3,700	-661	2,749
33	Atlanta, Ga.	11,683	12,161	9,998	7,310	605	677	3,063	-478	2,585
34	Omaha, Neb.	14,671	14,775	10,724	6,403	2,339	1,932	4,051	-704	3,347
35	Birmingham, Ala.	8,695	11,029	6,132	5,007	158	967	4,897	-2,494	2,463
36	San Antonio, Tex.	7,698	8,589	6,106	4,494	337	1,245	2,480	-688	1,592
37	Dallas, Tex.	8,580	10,355	7,422	5,791	498	1,136	2,933	-1,375	1,558
38	Syracuse, N. Y.	12,602	18,301	10,272	8,707	298	1,297	8,529	-6,199	2,330
39	Houston, Tex.	10,764	15,071	8,444	6,200	415	1,823	6,627	-4,307	2,320
40	Worcester, Mass.	12,659	13,990	10,358	9,388	291	679	3,332	-731	2,601
41	Richmond, Va.	10,821	10,719	8,199	6,433	1,187	1,579	2,520	102	2,622
42	New Haven, Conn.	8,784	8,923	7,070	6,501	0	572	1,844	-139	1,705
43	Dayton, Ohio	8,825	11,485	6,698	5,400	257	1,935	4,787	-2,660	2,127
44	Norfolk, Va.	7,410	7,275	6,495	4,094	403	1,098	775	140	915
45	Memphis, Tenn.	8,116	9,030	7,006	5,182	627	1,207	2,024	-914	1,110
46	Bridgeport, Conn.	7,600	8,831	6,611	5,060	8	653	2,220	-1,222	998
47	Youngstown, Ohio	8,049	8,130	5,565	4,343	347	875	2,565	-81	2,484
48	Hartford, Conn.	10,484	11,134	8,679	7,187	715	777	2,455	-660	1,805
49	Fort Worth, Tex.	5,283	10,121	4,619	3,460	290	860	5,502	-4,838	664
50	Grand Rapids, Mich.	9,835	11,882	6,907	5,678	447	732	4,675	-1,747	2,928
51	Springfield, Mass.	10,852	10,655	8,505	7,661	456	680	1,260	787	2,047
52	Des Moines, Iowa	7,900	8,294	6,043	4,845	302	896	2,251	-394	1,857
53	Tulsa, Okla.	6,540	6,593	4,248	3,013	331	904	2,345	-44	2,301
54	Scranton, Pa.	5,739	6,250	4,751	4,467	(1)	284	1,499	-511	983
55	Paterson, N. J.	7,238	9,491	6,819	5,751	—	1,068	2,672	-2,253	419
56	Jacksonville, Fla.	7,581	10,945	6,121	3,717	1,583	821	4,824	-3,364	1,460
57	Nashville, Tenn.	5,206	5,906	3,984	3,003	326	655	1,822	-600	1,222
58	Flint, Mich.	7,761	6,965	4,971	3,876	221	874	1,904	796	2,790
59	Trenton, N. J.	6,860	7,993	6,465	5,282	514	719	1,523	-1,133	395
60	Salt Lake City, Utah	6,072	4,994	4,723	3,842	293	558	1,271	78	1,349
61	Camden, N. J.	6,103	6,245	5,487	4,824	363	810	765	-142	616
62	Fall River, Mass.	7,848	7,517	6,396	5,403	322	671	1,121	381	1,452
63	Miami, Fla.	8,174	20,336	9,957	7,177	294	1,506	11,299	-12,162	-893
64	Wilmington, Del.	4,085	4,212	3,829	2,807	409	495	353	-127	250
65	Erie, Pa.	5,077	5,749	3,840	3,016	365	469	1,009	-672	1,237
66	Cambridge, Mass.	7,265	7,118	6,172	5,228	453	511	948	147	1,093
67	New Bedford, Mass.	8,090	7,941	6,131	5,152	272	707	1,310	140	1,959
68	Albany, N. Y.	7,852	9,678	6,157	4,750	574	827	3,521	-1,826	1,695
69	Yonkers, N. Y.	9,861	12,743	8,410	6,865	439	1,124	4,324	-2,882	1,442
70	Kansas City, Kans.	7,309	5,693	5,146	2,541	1,443	862	5,749	1,697	2,214
71	San Diego, Calif.	11,995	11,796	6,647	4,552	673	822	5,440	-5,861	6,861
72	Duluth, Minn.	7,261	8,741	5,122	3,711	774	637	3,010	-1,480	2,139
73	Reading, Pa.	4,607	6,944	3,705	3,008	281	416	3,230	-2,337	1,902
74	Canton, Ohio	5,560	5,687	4,086	2,866	265	1,010	1,601	-127	1,474
75	Elizabeth, N. J.	4,952	5,325	4,051	3,594	5	462	1,204	-378	891

¹ Less than \$500.

² Less than one-half of 1 cent.

³ Not reported.

OF INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1927

Per capita figures not computed for certain cities due to absence of accurate population figures

Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest						City	City number in order of size
1915	1922	1927	Total			Interest				
			1915	1922	1927	1915	1922	1927		
\$38.07	\$60.94	\$93.42	\$35.95	\$57.31	\$72.72	\$9.55	\$12.00	\$15.02	New York, N. Y.	1
33.63	54.20	77.55	22.99	39.92	52.06	1.61	2.88	4.41	Chicago, Ill.	2
27.29	47.65	61.29	23.60	43.24	61.79	2.78	6.20	9.06	Philadelphia, Pa.	3
32.15	65.63	109.11	24.16	50.10	76.00	1.56	4.76	8.67	Detroit, Mich.	4
28.30	62.65	70.17	22.62	47.52	67.23	3.95	7.45	9.59	Cleveland, Ohio	5
31.62	44.88	56.07	22.56	34.05	42.85	1.17	1.20	1.98	St. Louis, Mo.	6
27.44	39.97	50.67	23.76	36.17	49.68	5.26	5.64	7.70	Baltimore, Md.	7
47.47	80.55	96.02	40.72	65.52	75.81	8.15	8.63	9.29	Boston, Mass.	8
63.98	79.81		32.15	48.30		3.66	4.56		Los Angeles, Calif.	9
35.70	61.60	73.40	29.22	49.92	60.08	4.84	5.94	7.27	Pittsburgh, Pa.	10
43.52	57.67	70.69	30.48	44.51	57.98	4.22	5.09	6.68	San Francisco, Calif.	11
33.17	52.97	84.02	27.69	48.11	67.84	3.29	3.48	6.85	Buffalo, N. Y.	12
42.47	57.27	72.22	28.99	42.03	60.04	.70	.41	(?)	Washington, D. C.	13
30.10	59.50	76.30	21.97	41.07	54.69	1.36	2.84	4.01	Milwaukee, Wis.	14
31.03	61.40	80.70	28.91	52.33	70.18	5.19	7.17	9.09	Newark, N. J.	15
30.52	54.04	62.51	22.38	41.57	48.66	2.96	4.98	6.81	Minneapolis, Minn.	16
22.05	44.46	55.94	19.66	35.63	39.75	4.69	4.95	5.96	New Orleans, La.	17
34.28	64.38	85.51	30.58	49.41	64.37	6.81	11.39	13.70	Cincinnati, Ohio	18
36.18	51.11	57.68	21.39	45.38	53.81	1.91	2.61	5.79	Kansas City, Mo.	19
47.65	93.55		30.04	30.41		0.76	12.20		Seattle, Wash.	20
22.93	49.73	52.35	16.32	35.37	39.70	.72	3.32	3.95	Indianapolis, Ind.	21
30.23	56.53	78.60	23.55	47.71	65.98	3.17	6.04	7.45	Rochester, N. Y.	22
23.15	55.94	101.62	18.90	64.67	74.00	4.18	9.74	12.95	Jersey City, N. J.	23
21.85	33.35	47.98	19.00	27.60	33.42	2.40	2.41	3.19	Louisville, Ky.	24
23.27	42.88	73.39	18.05	36.51	51.17	2.86	6.41	8.41	Toledo, Ohio	25
23.03	40.05		18.83	29.86		4.22	6.53		Akron, Ohio	26
24.52	44.68	52.50	19.53	34.63	39.52	3.77	6.33	8.19	Columbus, Ohio	27
38.17	55.25		25.15	38.26		6.42	6.75		Portland, Oreg.	28
25.03	52.07	61.34	20.91	40.79	52.27	2.07	3.74	6.79	Denver, Colo.	29
26.74	46.26	40.41	21.42	37.04	41.86	3.09	4.23	5.77	Providence, R. I.	30
32.89	39.36	61.11	20.61	32.32	42.31	2.30	2.02	3.71	Oakland, Calif.	31
22.21	46.00	53.90	19.85	36.42	42.91	2.92	3.91	8.29	St. Paul, Minn.	32
21.16	33.19	46.92	15.89	25.29	36.54	1.19	.89	2.72	Atlanta, Ga.	33
29.91	68.18	64.19	23.46	43.24	48.92	6.73	7.07	9.04	Omana, Nebr.	34
16.52	25.38	40.13	12.11	21.60	28.63	2.98	3.22	4.51	Birmingham, Ala.	35
17.00	26.20	37.10	15.13	21.91	29.43	2.79	3.59	6.00	San Antonio, Tex.	36
30.25	38.79	43.85	17.68	31.07	36.24	2.75	3.93	5.54	Dallas, Tex.	37
26.00	49.82	63.97	19.82	28.01	32.14	3.01	6.34	6.58	Syracuse, N. Y.	38
26.35	42.40		19.30	33.76		4.72	6.04		Houston, Tex.	39
29.53	48.07	66.35	23.59	41.05	53.03	3.25	3.33	3.45	Worcester, Mass.	40
28.77	43.90	56.30	22.76	34.93	42.70	4.20	6.31	8.22	Richmond, Va.	41
20.46	36.49	47.51	16.39	32.09	38.29	1.13	2.46	3.10	New Haven, Conn.	42
24.01	40.14	48.84	16.69	28.30	37.07	2.39	3.74	5.73	Dayton, Ohio	43
21.73	40.94	41.35	19.97	43.22	36.25	4.76	9.38	11.15	Norfolk, Va.	44
22.50	39.90	45.36	20.76	33.28	39.16	4.00	6.76	7.25	Memphis, Tenn.	45
29.09	48.30		15.00	40.54		1.01	3.70		Bridgeport, Conn.	46
20.97	38.19	47.62	13.91	74.89	32.85	1.98	6.05	5.16	Youngstown, Ohio	47
33.35	53.57	69.49	26.23	41.23	52.54	3.77	4.83	4.70	Hartford, Conn.	48
17.93	36.38	32.51	15.25	26.92	28.42	3.15	3.80	5.30	Fort Worth, Tex.	49
24.84	42.25	62.08	16.90	30.99	44.02	1.58	2.12	4.99	Grand Rapids, Mich.	50
36.07	60.01	73.72	30.56	47.76	59.82	3.29	3.75	4.68	Springfield, Mass.	51
21.05	58.48	53.55	17.78	38.69	41.19	1.64	3.93	6.11	Des Moines, Iowa	52
(?)	33.08	44.82	(?)	30.70	29.14	(?)	1.21	6.30	Tulsa, Okla.	53
14.27	20.22	30.58	12.01	24.47	33.02	1.47	1.21	1.98	Scranton, Pa.	54
16.80	34.47	50.33	13.70	29.78	37.42	2.04	3.27	7.42	Paterson, N. J.	55
27.41	47.78		21.93	42.32		1.64	6.51		Jacksonville, Fla.	56
19.01	28.01	37.78	17.66	23.61	28.91	2.61	4.45	4.75	Nashville, Tenn.	57
19.12	46.02	55.44	11.01	31.30	36.15	1.54	5.44	6.35	Plymouth, Mich.	58
21.76	38.00	50.10	18.23	34.38	47.30	3.02	3.39	5.25	Trenton, N. J.	59
27.29	44.10	44.74	19.90	35.95	34.80	3.04	6.83	4.33	Salt Lake City, Utah	60
17.18	35.25	45.85	15.95	31.84	41.22	2.56	3.83	6.09	Canton, N. Y.	61
22.50	52.05	59.18	17.95	40.63	48.23	2.48	3.30	5.05	Fall River, Mass.	62
(?)	53.05	62.07	(?)	44.18	68.85	(?)	10.24	12.11	Miami, Fla.	63
14.03	32.50	32.61	12.45	25.45	30.56	2.02	2.99	3.94	Wilmington, Del.	64
19.45	35.65		13.03	27.76		.77	2.82		Erie, Pa.	65
29.42	48.44	59.30	25.27	44.57	50.39	5.17	5.03	4.17	Cambridge, Mass.	66
27.67	54.56	67.08	21.18	45.29	61.29	3.94	5.65	5.91	New Bedford, Mass.	67
28.69	41.26	65.70	21.97	38.74	61.53	3.03	3.59	6.92	Albany, N. Y.	68
27.55	66.27	83.00	30.63	54.45	70.87	5.38	8.06	9.46	Yonkers, N. Y.	69
22.72	45.42	62.04	16.96	38.65	43.70	4.02	4.36	7.34	Kansas City, Kans.	70
68.01	62.86	103.28	39.62	47.22	62.45	7.81	7.05	7.13	San Diego, Calif.	71
34.50	54.34	63.30	21.54	30.58	44.66	3.77	4.18	5.55	Duluth, Minn.	72
13.63	26.13	40.24	11.61	23.36	32.36	.71	1.42	3.03	Reading, Pa.	73
16.74	42.26	49.07	12.91	30.68	36.06	2.21	7.47	8.96	Canton, Ohio	74
17.31	36.80		13.84	25.25		2.11	3.43		Elizabeth, N. J.	75

No. 240.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF

[Amounts, except per capita,

City number in order of size	City	Total revenue receipts	Total governmental cost payments	For operation, maintenance, and interest				Outlays for permanent improvements	Excess of revenues over—	
				Total	General departments	Public-service enterprises	Interest		Total payments	Payments except outlays
76	Oklahoma City, Okla.	5,614	5,700	4,088	3,013	233	842	1,618	-92	1,526
77	Lowell, Mass.	5,818	5,300	4,747	4,063	373	311	553	518	1,071
78	El Paso, Tex.	3,744	2,946	2,747	2,067	196	404	160	798	997
79	Spokane, Wash.	4,953	4,608	3,946	3,456	192	238	957	50	1,007
80	Tacoma, Wash.	7,726	7,258	5,500	3,181	1,637	632	1,758	468	2,226
81	Waterbury, Conn.	5,822	7,654	5,144	4,204	113	767	2,510	-2,032	478
82	Lynn, Mass.	5,060	5,408	4,265	3,623	300	842	1,933	-438	705
83	Tampa, Fla.	5,746	12,862	4,832	3,458	578	766	3,030	-7,116	914
84	Utica, N. Y.	5,321	6,202	4,038	3,586	1	451	2,254	-971	1,283
85	Fort Wayne, Ind.	6,608	6,630	3,730	2,770	752	208	2,900	-22	2,878
86	Somerville, Mass.	4,034	3,989	3,505	3,120	159	226	484	45	529
87	Knoxville, Tenn.	3,835	7,367	3,671	2,494	267	910	3,696	-3,552	164
88	Long Beach, Calif.	12,059	13,254	7,760	5,041	1,924	795	5,494	-1,155	4,339

* Not reported.

No. 241.—PRINCIPAL SOURCES OF REVENUE RECEIPTS OF

NOTE.—For total revenue receipts see Table 240. Receipts from borrowing are not included.

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							All other
		Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	
		General property	License	Other		General departments	Public service enterprises		
1	New York, N. Y.	374,658	21,766	22,405	22,979	5,717	35,297	40,243	36,807
2	Chicago, Ill.	158,492	8,650	131	30,202	7,945	13,238	14,779	7,292
3	Philadelphia, Pa.	86,204	1,611	52	2,197	4,305	7,088	13,913	4,441
4	Detroit, Mich.	80,277	2,198	843	16,114	4,270	31,460	1,818	6,221
5	Cleveland, Ohio	48,107	1,722	519	7,574	3,412	9,198	3,435	1,020
6	St. Louis, Mo.	29,232	2,856	—	5,287	1,714	3,025	2,496	1,173
7	Baltimore, Md.	23,260	1,477	880	—	621	4,402	2,055	1,748
8	Boston, Mass.	53,497	524	8,018	572	2,295	4,375	5,125	1,237
9	Los Angeles, Calif.	68,016	4,962	—	27,915	3,853	28,118	3,120	5,913
10	Pittsburgh, Pa.	38,113	609	330	900	1,183	3,047	2,589	1,988
11	San Francisco, Calif.	37,622	2,025	—	3,142	1,232	6,132	871	2,668
12	Buffalo, N. Y.	32,286	1,292	1,560	2,453	1,322	2,504	1,047	3,435
13	Washington, D. C.	20,700	4,411	—	—	1,422	1,844	150	9,841
14	Milwaukee, Wis.	25,180	704	3,418	3,890	1,352	2,367	793	2,401
15	Newark, N. J.	25,658	1,166	341	1,471	1,358	3,138	1,708	2,822
16	Minneapolis, Minn.	20,415	845	145	2,698	797	1,039	620	1,948
17	New Orleans, La.	15,034	1,246	109	1,268	693	3,111	568	1,113
18	Cincinnati, Ohio	21,812	1,575	403	1,375	1,493	2,570	4,617	1,303
19	Kansas City, Mo.	14,792	1,450	—	697	697	2,127	1,310	739
20	Seattle, Wash.	16,444	338	—	6,310	508	13,463	720	2,218
21	Indianapolis, Ind.	15,842	220	47	1,768	717	44	194	2,763
22	Rochester, N. Y.	16,627	1,010	697	2,392	761	1,687	622	2,030
23	Jersey City, N. J.	12,474	1,117	140	200	648	2,124	1,300	1,766
24	Louisville, Ky.	8,619	771	—	1,032	480	2,001	439	865
25	Toledo, Ohio	14,729	1,163	115	3,028	618	1,421	969	349
26	Akron, Ohio	7,087	470	87	1,020	890	1,276	424	264
27	Columbus, Ohio	10,044	662	197	1,392	357	1,700	835	198
28	Portland, Oreg.	9,991	281	—	3,117	299	2,381	536	1,857
29	Denver, Colo.	11,597	441	—	1,602	788	2,408	495	385
30	Providence, R. I.	10,343	79	67	188	438	1,545	770	361
31	Oakland, Calif.	9,344	272	—	3,600	250	1,226	272	2,763
32	St. Paul, Minn.	8,528	557	26	1,606	242	1,022	736	671
33	Atlanta, Ga.	6,680	695	72	1,377	363	2,530	436	580
34	Omaha, Neb.	7,848	193	—	1,327	196	3,789	456	262
35	Birmingham, Ala.	3,579	1,164	—	1,695	314	203	227	1,413
36	San Antonio, Tex.	5,340	71	—	52	153	1,225	130	727
37	Dallas, Tex.	5,721	45	—	298	644	1,228	354	702
38	Syracuse, N. Y.	7,864	439	501	1,687	215	868	232	796
39	Houston, Tex.	8,101	88	—	12	312	949	566	766
40	Worcester, Mass.	8,779	49	1,738	180	725	878	238	363
41	Richmond, Va.	6,960	802	127	136	141	2,349	778	528
42	New Haven, Conn.	7,551	64	178	49	262	3	206	471
43	Dayton, Ohio	6,337	306	72	420	316	695	319	270
44	Norfolk, Va.	4,985	515	31	41	98	1,094	870	246

¹ Large amount of delinquent taxes collected from railways in 1927.

INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1927—Continued
in thousands of dollars

Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest						City	City number in order of size
			Total			Interest				
1915	1922	1927	1915	1922	1927	1915	1922	1927		
\$14.56	\$52.00		\$13.34	\$35.51		\$3.67	\$5.24		Oklahoma City, Okla.	76
20.83	41.06	\$52.75	18.22	38.03	\$43.04	2.10	3.00	\$2.82	Lowell, Mass.	77
20.63	21.07	34.04	10.50	26.32	24.07	3.10	3.46	4.48	El Paso, Tex.	78
27.84	48.98	45.44	10.51	35.57	36.20	4.95	3.79	2.73	Spokane, Wash.	79
37.10	61.58	72.07	23.34	43.97	51.30	5.90	4.53	6.36	Tacoma, Wash.	80
10.19	42.61		15.78	40.92		1.88	5.07		Waterburg, Conn.	81
24.86	40.91	48.28	19.58	35.72	40.69	2.67	3.33	3.26	Lynn, Mass.	82
23.39	32.07	64.99	17.40	30.09	46.24	3.13	4.79	7.62	Tampa, Fla.	83
20.14	35.65	51.46	15.30	29.99	30.05	1.27	2.02	4.36	Utica, N. Y.	84
25.73	42.59	64.00	13.72	29.48	36.18	.50	1.54	2.02	Fort Wayne, Ind.	85
22.84	33.32	39.71	10.43	28.26	34.50	2.37	2.20	2.23	Somerville, Mass.	86
22.77	31.20	37.89	17.40	33.33	36.28	4.50	6.77	9.00	Knoxville, Tenn.	87
(¹)	56.83	119.79	(²)	38.50	76.83	(³)	3.48	7.87	Long Beach, Calif.	88

Source: Bureau of the Census, Department of Commerce.

INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1927

Per capita figures not computed for certain cities owing to absence of accurate population figures

Per capita revenue receipts (dollars) from—								City	City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other		
General property	License	Other		General departments	Public-service enterprises				
62.65	3.65	3.75	3.85	.90	5.01	6.74	5.02	New York, N. Y.	1
61.08	2.76	.04	0.73	2.50	4.27	4.76	2.35	Chicago, Ill.	2
41.85	.79	.08	1.08	2.11	3.02	9.29	2.18	Philadelphia, Pa.	3
61.17	1.67	.04	12.28	3.25	23.97	1.39	4.74	Detroit, Mich.	4
48.80	1.76	.53	7.69	3.47	0.34	3.49	1.04	Cleveland, Ohio	5
35.11	3.43		6.35	2.00	4.71	3.00	1.41	St. Louis, Mo.	6
34.51	1.80	1.07	1.30	.78	5.37	3.62	2.14	Baltimore, Md.	7
67.41	.66	10.87	.72	2.82	5.52	6.48	1.58	Boston, Mass.	8
								Los Angeles, Calif.	9
57.27	.91	.50	1.40	1.78	4.58	3.89	2.99	Pittsburgh, Pa.	10
49.34	3.54		5.50	2.17	10.73	1.70	4.67	San Francisco, Calif.	11
59.01	2.36	2.01	4.48	1.50	5.47	1.91	6.28	Buffalo, N. Y.	12
38.76	8.26	.01	1.20	2.66	2.52	.30	18.43	Washington, D. C.	13
47.37	1.33	6.44	7.32	3.49	4.84	1.49	4.53	Milwaukee, Wis.	14
54.98	2.50	.73	3.15	2.91	6.72	3.66	6.05	Newark, N. J.	15
45.00	.77	.32	6.03	1.71	2.32	1.40	4.35	Minneapolis, Minn.	16
36.84	2.94	.26	2.90	1.63	7.33	1.34	2.63	New Orleans, La.	17
52.92	3.82	1.20	3.34	3.62	6.28	11.20	3.17	Cincinnati, Ohio	18
39.17	3.84		1.85	1.77	5.63	3.47	1.96	Kansas City, Mo.	19
								Seattle, Wash.	20
42.32	.59	.13	4.72	1.62	.12	.62	2.04	Indianapolis, Ind.	21
50.73	3.11	2.15	7.37	2.34	4.89	1.61	6.26	Rochester, N. Y.	22
79.24	3.47	.43	.62	1.70	6.61	4.04	5.49	Jersey City, N. J.	23
30.33	2.43		3.26	1.54	6.31	1.39	2.72	Louisville, Ky.	24
48.23	3.87	.38	9.02	2.02	4.65	3.18	1.14	Toledo, Ohio	25
								Akron, Ohio	26
34.47	2.27	.68	4.78	1.22	5.83	2.87	.68	Columbus, Ohio	27
								Portland, Oreg.	28
40.02	1.52		5.59	2.72	8.52	1.71	1.33	Denver, Colo.	29
37.06	.28	.24	.67	1.57	5.53	2.76	1.29	Providence, R. I.	30
35.41	1.03		11.37	.95	.86	1.03	10.47	Oakland, Calif.	31
34.10	2.23	.12	0.78	.97	4.09	2.94	2.68	St. Paul, Minn.	32
22.81	2.79	.29	5.53	1.46	10.16	1.75	2.13	Atlanta, Ga.	33
35.80	.88		6.09	.89	17.29	2.08	1.19	Omaha, Neb.	34
10.71	5.43		7.91	1.46	.95	1.06	6.60	Birmingham, Ala.	35
25.73	.34		.25	.74	5.90	3.51	3.60	San Antonio, Tex.	36
27.94	.22		1.44	2.66	6.00	1.73	3.87	Dallas, Tex.	37
39.92	2.23	2.54	8.57	1.09	4.40	1.18	4.04	Syracuse, N. Y.	38
								Houston, Tex.	39
44.95	.25	8.90	.97	3.71	4.49	1.22	1.86	Worcester, Mass.	40
31.04	4.18	.60	.71	.73	12.24	4.05	2.75	Richmond, Va.	41
40.84	.35	.96	.27	1.42	.01	1.12	2.64	New Haven, Conn.	42
35.07	2.19	.40	2.32	1.75	3.84	1.76	1.49	Dayton, Ohio	43
27.82	2.87	.17	.23	.55	6.10	2.07	1.54	Norfolk, Va.	44

No. 241.—PRINCIPAL SOURCES OF REVENUE RECEIPTS OF INDIC

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							
		Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other
		General property	License	Other		General departments	Public service enterprises		
45	Memphis, Tenn.	5,350	303	-----	278	238	1,253	154	440
46	Bridgeport, Conn.	6,848	26	205	63	168	13	83	203
47	Youngstown, Ohio.	6,800	287	91	814	92	604	226	129
48	Hartford, Conn.	5,981	92	2,149	326	247	1,207	226	250
49	Fort Worth, Tex.	3,088	22	-----	-----	145	787	160	481
50	Grand Rapids, Mich.	6,320	84	-----	1,267	372	930	168	794
51	Springfield, Mass.	7,884	45	1,457	232	237	614	60	223
52	Des Moines, Iowa.	6,771	51	-----	857	132	814	112	163
53	Tulsa, Okla.	4,025	180	-----	941	13	798	181	411
54	Scranton, Pa.	4,511	81	131	260	145	1	147	454
55	Paterson, N. J.	5,260	373	01	293	208	-----	390	642
56	Jacksonville, Fla.	3,538	143	2	163	93	3,255	202	205
57	Nashville, Tenn.	3,310	156	-----	214	110	011	198	692
58	Flint, Mich.	4,998	37	-----	753	463	936	99	475
59	Trenton, N. J.	4,669	117	67	247	230	617	348	535
60	Salt Lake City, Utah.	3,851	138	-----	423	172	480	70	923
61	Camden, N. J.	3,415	300	55	627	98	667	394	467
62	Fall River, Mass.	5,402	24	1,502	23	149	424	113	211
63	Miami, Fla.	5,934	375	20	557	326	472	100	390
64	Wilmington, Del.	2,256	104	(*)	150	20	541	73	932
65	Eric, Pa.	3,254	39	178	542	72	634	77	281
66	Cambridge, Mass.	4,908	70	1,074	17	277	580	173	106
67	New Bedford, Mass.	5,349	30	1,675	158	210	478	83	212
68	Albany, N. Y.	5,260	109	407	658	42	714	70	517
69	Yonkers, N. Y.	7,329	117	405	258	60	744	128	820
70	Kansas City, Kans.	3,890	114	-----	740	25	2,408	140	34
71	San Diego, Calif.	5,302	120	-----	3,450	102	1,350	238	1,238
72	Duluth, Minn.	4,451	58	14	873	44	1,322	133	336
73	Reading, Pa.	3,165	85	80	67	80	741	113	284
74	Canton, Ohio.	3,815	239	29	424	150	421	230	243
75	Elizabeth, N. J.	3,296	189	34	543	88	6	362	437
76	Oklahoma City, Okla.	2,263	158	-----	801	140	630	188	285
77	Lowell, Mass.	4,011	22	1,024	59	116	304	18	174
78	El Paso, Tex.	2,714	14	-----	4	78	436	118	380
79	Spokane, Wash.	2,516	27	-----	169	214	588	119	1,020
80	Tacoma, Wash.	2,007	43	-----	822	171	2,067	197	1,039
81	Waterbury, Conn.	4,793	43	88	91	36	372	37	152
82	Lynn, Mass.	3,383	31	680	56	176	536	78	106
83	Tampa, Fla.	3,468	289	4	616	222	667	110	371
84	Utica, N. Y.	3,546	107	251	504	35	13	57	500
85	Fort Wayne, Ind.	3,260	41	47	1,824	43	1,165	42	183
86	Somerville, Mass.	2,863	21	524	86	108	319	10	94
87	Knoxville, Tenn.	2,373	90	-----	162	123	602	92	380
88	Long Beach, Calif.	4,992	254	-----	2,084	121	2,497	1,254	1,197

* Less than \$500.

† Less than one-half of 1 cent.

No. 242.—GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEV

NOTE.—For total expenses of general departments and other governmental-cost payments, see Table

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars) for—								
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous
							Schools	Libraries		
1	New York, N. Y.	34,845	65,302	30,670	24,484	21,259	111,233	2,069	6,881	24,285
2	Chicago, Ill.	15,357	29,415	19,010	11,124	6,372	43,820	1,323	8,674	7,570
3	Philadelphia, Pa.	8,688	16,195	8,376	5,079	6,847	27,794	628	2,734	6,279
4	Detroit, Mich.	4,830	13,387	7,289	9,208	5,706	19,568	970	2,501	2,093
5	Cleveland, Ohio.	3,724	6,561	4,687	5,609	1,868	15,370	1,336	687	1,943
6	St. Louis, Mo.	2,931	5,780	2,200	2,655	2,742	9,013	463	1,584	405
7	Baltimore, Md.	3,865	6,673	3,142	3,233	1,725	8,011	342	990	1,341
8	Boston, Mass.	3,008	9,866	3,909	5,905	4,586	22,085	070	2,690	2,722
9	Los Angeles, Calif.	6,271	12,151	5,544	3,399	5,905	15,218	070	1,652	1,061
10	Pittsburgh, Pa.	3,921	5,544	3,468	4,196	2,252	10,648	529	807	1,676
11	San Francisco, Calif.	2,014	7,065	1,237	1,294	2,888	7,362	223	1,375	1,519
12	Buffalo, N. Y.	2,391	5,426	3,343	3,266	3,160	10,149	322	1,011	2,069
13	Washington, D. C.	1,349	5,663	2,305	2,773	3,662	8,140	236	1,323	967
14	Milwaukee, Wis.	2,084	4,300	3,244	2,558	2,135	7,730	311	1,594	1,277

VIUDAL CITIES OF 100,000 OR MORE INHABITANTS, 1927—Continued

Per capita revenue receipts (dollars) from—								City	City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other		
General property	License	Other		General departments	Public-service enterprises				
30.13	2.03		1.55	1.33	7.01	0.86	2.46	Memphis, Tenn.	45
34.27	1.09	0.54	4.81	.55	3.57	1.34	.76	Bridgeport, Conn.	46
36.20	.56	13.01	1.98	1.50	7.31	1.37	1.55	Youngstown, Ohio	47
22.70	.14			.89	4.84	.98	2.08	Hartford, Conn.	48
40.28	.53		8.07	2.37	5.20	1.07	5.03	Fort Worth, Tex.	49
53.56	.31	9.80	1.02	1.95	4.17	.41	1.51	Grand Rapids, Mich.	50
39.34	.35		5.84	.90	5.55	.77	1.12	Springfield, Mass.	51
27.60	1.23		6.45	.09	5.47	1.24	2.81	Des Moines, Iowa	52
31.35	.56	.01	1.87	1.01	.01	-.02	3.10	Tulsa, Okla.	53
36.53	2.50	.43	2.07	1.45			4.40	Seranton, Pa.	54
								Paterson, N. J.	55
								Jacksonville, Fla.	56
24.00	.41		1.55	.84	4.44	1.43	5.02	Nashville, Tenn.	57
36.35	.27		5.47	3.37	6.81	.72	3.45	Flint, Mich.	58
34.33	.86	.49	1.81	1.68	4.51	2.55	3.91	Trenton, N. J.	59
28.33	1.02		3.11	1.27	3.01	.56	6.79	Salt Lake City, Utah	60
25.66	2.03	.42	4.71	.74	4.03	2.95	3.52	Camden, N. J.	61
40.74	.18	11.33	.17	1.12	3.20	.85	1.60	Fall River, Mass.	62
45.06	2.85	.15	4.23	2.47	3.53	.76	2.96	Miami, Fla.	63
18.00	.83	(3)	1.20	.23	4.32	.58	7.43	Wilmington, Del.	64
								Erie, Pa.	65
40.56	.57	8.70	.13	2.26	4.73	1.41	.86	Cambridge, Mass.	66
44.75	.26	13.18	1.32	1.70	3.05	.60	1.77	New Bedford, Mass.	67
44.09	1.41	3.41	6.51	.35	5.07	.83	4.32	Albany, N. Y.	68
61.60	.99	3.41	2.17	.50	6.27	1.08	6.00	Yonkers, N. Y.	69
33.10	.07		6.30	.24	20.50	1.24	.29	Kansas City, Kans.	70
45.09	1.12		30.00	1.60	11.71	2.00	10.74	San Diego, Calif.	71
38.80	.50	.13	7.61	.38	11.79	1.10	2.93	Duluth, Minn.	72
27.65	.50	.60	.84	.78	6.48	.98	2.30	Reading, Pa.	73
33.67	2.11	.26	3.74	1.40	3.71	2.03	2.15	Canton, Ohio	74
								Elizabeth, N. J.	75
								Oklahoma City, Okla.	76
36.37	.10	0.28	.54	1.05	3.57	.16	1.58	Lowell, Mass.	77
21.67	.13		.03	.71	3.07	1.07	3.46	El Paso, Tex.	78
25.83	.25		.55	1.96	5.40	1.03	0.36	Spokane, Wash.	79
24.32	.40		7.67	1.59	27.49	1.84	8.76	Tacoma, Wash.	80
								Waterbury, Conn.	81
32.33	.32	6.54	.53	1.68	5.12	.76	1.01	Lynn, Mass.	82
33.10	2.76	.03	5.90	2.12	0.29	1.14	3.55	Tampa, Fla.	83
34.20	1.03	2.43	7.80	.33	.12	.55	4.90	Utica, N. Y.	84
31.61	.40	.46	17.00	.42	11.30	.41	1.81	Fort Wayne, Ind.	85
28.18	.21	5.15	.84	1.07	3.14	.19	.93	Somerville, Mass.	86
23.51	.89	.02	1.60	1.21	5.95	.90	3.81	Knoxville, Tenn.	87
46.45	2.52		20.64	1.20	24.72	12.41	11.85	Long Beach, Calif.	88

Source: Bureau of the Census, Department of Commerce.

GENERAL DEPARTMENTS OF CITIES OF 100,000 OR MORE INHABITANTS, 1927

240. Per capita figures not computed for certain cities owing to absence of accurate population figures

Per capita governmental-cost payments (dollars) for—								City	City number in order of size	
General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation			Miscellaneous
					Schools	Libraries				
5.84	10.94	6.14	4.10	3.56	13.03	0.45	1.15	4.07	New York, N. Y.	1
4.95	8.51	0.42	3.58	2.05	14.12	.49	2.80	2.44	Chicago, Ill.	2
4.27	7.95	4.21	2.49	3.36	13.65	.81	1.84	3.08	Philadelphia, Pa.	3
3.00	10.20	5.86	7.02	4.42	14.91	.74	1.01	2.05	Detroit, Mich.	4
3.78	6.67	4.76	5.08	1.90	10.12	1.30	.70	1.98	Cleveland, Ohio	5
3.52	10.54	2.65	3.19	3.29	11.91	.54	1.90	.49	St. Louis, Mo.	6
2.28	8.15	3.84	3.95	2.11	9.78	.42	1.21	1.04	Baltimore, Md.	7
4.03	12.44	7.10	4.92	6.10	10.10	1.22	3.30	3.43	Boston, Mass.	8
									Los Angeles, Calif.	9
5.89	8.33	5.21	6.30	3.38	16.90	.79	1.21	2.52	Pittsburgh, Pa.	10
4.57	12.37	2.26	2.20	6.05	12.89	.39	2.41	2.65	San Francisco, Calif.	11
4.37	9.92	6.12	5.96	6.78	18.55	.59	2.94	3.78	Buffalo, N. Y.	12
2.53	10.60	4.32	5.19	5.73	15.24	.44	2.43	1.81	Washington, D. C.	13
3.93	8.12	6.11	4.81	4.02	14.55	.59	3.00	2.40	Milwaukee, Wis.	14

No. 242.—GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEVERAL

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars) for—								
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous
							Schools	Libraries		
15	Newark, N. J.	2,324	0,078	3,487	1,285	2,867	8,604	922	742	841
16	Minneapolis, Minn.	1,401	2,722	1,705	1,018	640	7,276	489	793	829
17	New Orleans, La.	1,369	3,000	1,408	1,132	533	3,844	73	339	273
18	Cincinnati, Ohio	2,721	2,441	1,533	2,338	1,430	7,742	273	327	1,389
19	Kansas City, Mo.	2,082	2,441	1,948	2,338	1,704	6,779	226	442	190
20	Seattle, Wash.	1,710	3,944	1,453	1,672	582	6,028	230	383	460
21	Indianapolis, Ind.	1,232	2,877	1,125	985	582	5,025	311	908	409
22	Rochester, N. Y.	1,518	2,923	2,437	1,534	645	6,700	209	740	1,203
23	Jersey City, N. J.	2,130	4,360	1,725	1,167	2,096	4,709	216	530	545
24	Louisville, Ky.	663	1,714	960	1,065	767	3,143	157	227	244
25	Toledo, Ohio	1,231	2,413	609	2,154	661	4,272	216	181	481
26	Akron, Ohio	327	816	470	808	114	2,954	48	22	298
27	Columbus, Ohio	428	1,670	840	622	69	3,030	05	128	425
28	Portland, Oreg.	422	2,400	637	656	54	4,403	-----	377	243
29	Denver, Colo.	1,127	2,173	718	1,108	726	4,659	239	746	498
30	Providence, R. I.	513	2,543	1,007	1,005	205	3,602	43	220	300
31	Oakland, Calif.	567	2,311	630	720	19	4,870	156	417	110
32	St. Paul, Minn.	511	1,849	459	726	348	3,250	210	347	278
33	Atlanta, Ga.	319	1,021	776	472	637	3,523	110	195	163
34	Omaha, Nebr.	304	1,368	324	388	21	3,113	89	171	235
35	Birmingham, Ala.	270	1,258	417	420	77	2,244	108	143	70
36	San Antonio, Tex.	230	1,878	409	620	85	1,808	33	186	75
37	Dallas, Tex.	306	1,228	603	633	203	2,577	29	250	72
38	Syracuse, N. Y.	531	1,637	896	1,262	597	2,912	112	214	540
39	Houston, Tex.	350	1,170	709	594	233	2,690	57	217	120
40	Worcester, Mass.	350	1,913	844	979	1,088	3,488	158	201	337
41	Richmond, Va.	524	1,210	564	518	256	2,040	56	180	185
42	New Haven, Conn.	380	1,523	424	460	265	2,764	91	261	230
43	Dayton, Ohio	343	918	423	493	266	2,420	167	182	205
44	Norfolk, Va.	342	1,273	450	214	176	1,402	34	78	126
45	Memphis, Tenn.	247	1,162	684	476	462	1,688	70	352	41
46	Bridgeport, Conn.	454	1,645	577	339	325	2,032	121	190	231
47	Youngstown, Ohio	254	613	218	518	83	3,254	102	175	123
48	Hartford, Conn.	415	1,583	803	534	262	2,577	59	369	195
49	Fort Worth, Tex.	230	801	295	234	120	1,937	25	191	18
50	Grand Rapids, Mich.	310	1,078	517	228	114	3,019	140	202	70
51	Springfield, Mass.	387	1,495	816	813	246	3,160	183	341	223
52	Des Moines, Iowa	224	830	324	456	8	1,664	105	126	99
53	Tulsa, Okla.	153	522	162	137	7	2,870	42	100	19
54	Scranton, Pa.	244	896	406	457	-----	2,065	32	138	227
55	Paterson, N. J.	206	1,324	716	236	163	2,632	84	145	242
56	Jacksonville, Fla.	227	919	507	520	78	1,974	44	212	127
57	Nashville, Tenn.	213	776	312	296	251	925	37	133	61
58	Flint, Mich.	178	707	428	241	340	1,720	52	171	33
59	Tronton, N. J.	240	1,153	597	433	118	2,255	87	155	144
60	Salt Lake City, Utah	249	500	236	306	45	2,145	04	161	47
61	Camden, N. J.	266	1,030	398	348	91	1,801	41	118	225
62	Fall River, Mass.	243	595	519	571	575	2,065	78	127	200
63	Miami, Fla.	297	1,422	960	701	1,307	2,042	30	146	572
64	Wilmington, Del.	210	877	302	219	7	1,234	46	102	70
65	Erie, Pa.	207	548	22	286	1	1,680	43	26	105
66	Cambridge, Mass.	277	980	776	541	372	1,620	76	260	326
67	New Bedford, Mass.	203	1,135	650	401	394	1,010	78	134	217
68	Albany, N. Y.	330	1,049	637	449	318	1,433	85	210	236
69	Yonkers, N. Y.	424	1,231	954	453	423	2,808	41	163	363
70	Kansas City, Kans.	145	607	139	193	28	1,601	28	58	39
71	San Diego, Calif.	354	767	407	448	20	2,079	92	805	80
72	Duluth, Minn.	266	703	178	313	33	1,888	66	141	123
73	Reading, Pa.	173	426	308	420	(¹)	1,369	42	111	124
74	Canton, Ohio	191	400	221	452	33	1,423	16	28	101
75	Elizabeth, N. J.	180	894	342	269	83	1,612	49	53	112
76	Oklahoma City, Okla.	155	534	215	175	42	1,753	37	73	29
77	Lowell, Mass.	225	861	400	403	315	1,492	34	60	273
78	El Paso, Tex.	107	409	223	105	68	1,029	27	93	6
79	Spokane, Wash.	163	620	279	298	35	1,798	71	132	70
80	Tacoma, Wash.	217	656	173	333	40	1,493	53	133	48
81	Waterbury, Conn.	205	886	375	676	164	1,705	45	106	140
82	Lynn, Mass.	193	745	375	358	163	1,368	74	155	222
83	Tampa, Fla.	204	740	540	330	213	938	62	261	114
84	Utica, N. Y.	232	769	414	234	195	1,424	82	103	193
85	Fort Wayne, Ind.	74	609	161	174	-----	1,491	98	87	76
86	Somerville, Mass.	149	623	394	249	122	1,199	68	119	197
87	Knoxville, Tenn.	223	479	213	330	229	870	40	11	123
88	Long Beach, Calif.	353	846	420	419	38	2,456	108	290	101

¹ Less than \$500.

² Less than one-half of 1 cent.

DEPARTMENTS OF CITIES OF 100,000 OR MORE INHABITANTS, 1927—Continued

Per capita governmental-cost payments (dollars) for—									City	City number in order of size
General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections.	Education		Recreation	Miscellaneous		
					Schools	Libraries				
4.98	13.02	7.47	2.76	6.14	18.63	0.69	1.59	1.80	Newark, N. J.	15
3.13	6.08	3.81	4.29	2.10	16.25	.98	1.77	1.85	Minneapolis, Minn.	16
3.23	7.09	3.51	2.87	1.26	9.06	.17	.80	.64	New Orleans, La.	17
4.98	6.60	3.23	5.87	3.47	18.78	.00	.79	3.37	Cincinnati, Ohio	18
5.51	6.47	2.51	6.31	4.51	15.31	.61	1.17	.50	Kansas City, Mo.	19
3.29	7.69	3.01	2.49	2.30	13.37	.83	1.62	1.09	Seattle, Wash.	20
4.68	9.02	7.51	2.92	2.02	20.65	.64	2.28	3.71	Indianapolis, Ind.	21
6.63	15.12	5.36	3.63	6.52	14.55	.67	1.65	2.63	Rochester, N. Y.	22
2.09	5.40	3.02	3.36	2.42	9.81	.49	.72	7.77	Jersey City, N. J.	23
4.03	7.91	2.00	7.05	2.17	13.99	.71	.59	1.58	Louisville, Ky.	24
1.47	5.75	2.91	2.13	.24	13.51	.22	.43	1.45	Toledo, Ohio	25
8.89	7.50	2.47	3.82	2.60	15.73	.82	2.37	1.72	Akron, Ohio	26
1.84	9.11	3.61	3.82	1.06	12.01	.15	.79	1.20	Columbus, Ohio	27
2.15	8.76	2.41	2.77	.07	13.45	.59	1.58	.42	Portland, Oreg.	28
2.04	7.40	1.84	2.90	1.39	12.69	.57	1.39	1.11	Denver, Colo.	29
1.28	6.51	3.12	1.90	2.56	14.15	.44	.79	.66	Providence, R. I.	30
1.80	7.61	1.48	1.77	.09	14.20	.41	.78	1.07	Oakland, Calif.	31
1.26	5.88	1.95	1.96	.36	10.48	.51	.67	.23	St. Paul, Minn.	32
1.11	4.71	2.29	3.04	.41	8.72	.16	.90	.30	Atlanta, Ga.	33
1.49	6.00	2.94	3.09	1.43	11.60	.14	1.22	.35	Omaha, Nebr.	34
2.69	8.31	4.55	6.41	3.03	14.78	.57	1.09	2.77	Birmingham, Ala.	35
1.94	9.79	4.32	5.02	5.57	17.86	.81	1.03	1.73	San Antonio, Tex.	36
2.78	6.30	2.94	2.69	1.34	10.62	.29	.68	.70	Dallas, Tex.	37
2.06	8.78	2.30	2.49	1.45	14.95	.49	1.41	1.24	Syracuse, N. Y.	38
1.90	5.08	2.34	2.73	1.47	13.44	.62	.90	1.14	Houston, Tex.	39
1.01	7.10	2.51	1.20	.08	7.82	.19	.44	.70	Worcester, Mass.	40
1.38	6.49	3.33	2.67	2.68	9.44	.39	1.97	.23	Richmond, Va.	41
1.50	3.63	1.23	3.06	.49	13.31	.80	1.03	.74	New Haven, Conn.	42
2.51	9.58	4.33	3.23	1.63	13.02	.36	2.17	1.18	Dayton, Ohio	43
1.47	4.02	1.81	1.44	.74	9.46	.15	1.18	.11	Norfolk, Va.	44
1.97	6.86	3.30	1.45	.78	19.24	.89	1.29	.45	Memphis, Tenn.	45
2.63	10.15	5.64	5.52	1.87	21.47	1.24	2.31	1.50	Bridgeport, Conn.	46
1.53	5.72	2.21	3.12	.06	13.16	.71	.86	.67	Youngstown, Ohio	47
1.05	3.58	1.12	.94	.05	12.33	.29	.69	.13	Hartford, Conn.	48
1.09	6.24	2.82	3.17	.05	14.35	.22	.96	1.58	Fort Worth, Tex.	49
1.43	9.21	4.97	1.64	1.16	13.30	.68	1.01	1.68	Grand Rapids, Mich.	50
1.54	5.63	2.26	2.15	1.82	6.72	.27	.97	.44	Springfield, Mass.	51
1.29	5.14	3.11	1.76	2.47	12.65	.88	1.24	.24	Des Moines, Iowa	52
1.76	8.43	4.37	3.53	.86	10.50	.63	1.13	1.05	Tulsa, Okla.	53
1.84	3.69	1.74	2.98	.33	15.81	.47	1.41	.35	Scranton, Pa.	54
2.00	7.79	2.99	2.62	.08	13.53	.81	.89	1.69	Paterson, N. J.	55
1.34	7.50	3.92	4.30	4.33	15.80	.59	.96	1.51	Jacksonville, Fla.	56
2.25	10.80	7.29	5.32	7.05	15.50	.23	1.11	4.35	Nashville, Tenn.	57
1.68	6.41	2.41	1.74	.06	9.86	.37	.82	.55	Flint, Mich.	58
2.26	5.00	6.33	4.42	3.04	13.22	.62	2.12	2.66	Trenton, N. J.	59
2.20	9.49	5.44	3.35	3.05	15.97	.66	1.12	1.81	Salt Lake City, Utah	60
2.76	8.78	5.33	3.76	2.69	11.99	.71	1.53	1.08	Camden, N. J.	61
3.56	10.36	3.04	3.81	3.81	23.04	.34	1.37	3.05	Fall River, Mass.	62
1.23	5.16	1.16	1.07	.24	13.02	.23	.50	.33	Miami, Fla.	63
3.07	6.65	3.53	3.39	.17	13.03	.79	2.66	.60	Wilmington, Del.	64
2.32	6.13	1.65	2.73	.29	16.46	.58	1.23	1.07	Erie, Pa.	65
1.56	3.73	2.08	3.07	(*)	12.21	.37	.97	1.03	Cambridge, Mass.	66
1.69	3.53	1.96	3.99	.29	12.55	.15	.25	.89	New Bedford, Mass.	67
2.04	7.31	3.63	3.65	2.86	13.53	.31	.54	2.48	Albany, N. Y.	68
.97	3.72	2.02	.96	.52	9.35	.25	.84	.05	Yonkers, N. Y.	69
1.40	5.68	2.50	2.74	.35	16.49	.65	1.21	.64	Kansas City, Kans.	70
2.02	6.40	1.66	3.11	.37	13.92	.50	1.24	.45	San Diego, Calif.	71
1.56	7.10	3.37	3.41	1.55	13.05	.70	1.43	2.12	Duluth, Minn.	72
1.95	7.08	5.23	3.17	2.04	9.46	.59	2.50	1.09	Reading, Pa.	73
2.25	6.35	4.01	2.27	1.88	13.77	.79	.99	1.86	Canton, Ohio	74
.71	5.90	1.56	1.09	-----	14.46	.95	.85	.74	Elizabeth, N. J.	75
1.46	6.12	3.88	2.43	1.21	11.81	.67	1.17	1.94	Oklahoma City, Okla.	76
2.21	4.72	2.10	2.97	2.27	8.80	.39	1.11	1.27	Lowell, Mass.	77
3.55	8.38	4.22	4.14	.37	24.30	1.07	2.87	1.00	El Paso, Tex.	78
									Spokane, Wash.	79
									Tacoma, Wash.	80
									Waterbury, Conn.	81
									Lynn, Mass.	82
									Tampa, Fla.	83
									Utica, N. Y.	84
									Fort Wayne, Ind.	85
									Somerville, Mass.	86
									Knoxville, Tenn.	87
									Long Beach, Calif.	88

No. 243.—NET DEBT OF CITIES OF 100,000 OR MORE INHABITANTS

City number in order of size	City	Amount (thousands of dollars)				Per capita (dollars)			
		1915	1922	1926	1927	1915	1922	1926	1927
1	New York, N. Y.	921,754	1,067,021	1,326,051	1,304,476	172.82	182.72	223.84	233.55
2	Chicago, Ill.	65,911	131,341	204,429	241,700	27.49	40.35	67.07	77.90
3	Philadelphia, Pa.	101,864	105,840	367,721	381,683	61.44	103.38	178.15	137.43
4	Detroit, Mich.	18,377	122,587	206,240	214,224	33.05	123.37	162.65	163.24
5	Cleveland, Ohio.	57,074	110,080	136,871	134,273	80.26	135.85	142.67	130.39
6	St. Louis, Mo.	21,910	14,183	24,056	34,388	29.72	17.09	30.29	41.30
7	Baltimore, Md.	59,614	70,611	117,042	126,542	102.56	104.84	144.85	163.04
8	Boston, Mass.	83,096	84,678	93,558	100,020	113.10	110.76	125.23	126.88
9	Los Angeles, Calif.	42,373	68,826	187,002	203,403	94.28	110.60	(1)	(1)
10	Pittsburgh, Pa.	51,932	74,840	101,842	110,470	91.93	123.13	169.88	175.01
11	San Francisco, Calif.	42,536	71,058	80,702	81,714	94.27	135.30	143.60	143.01
12	Buffalo, N. Y.	32,748	44,014	72,507	78,185	71.61	84.01	134.10	142.91
13	Washington, D. C.	6,225	156			17.48	.36		
14	Milwaukee, Wis.	14,581	31,954	39,753	50,819	34.27	66.07	76.89	95.00
15	Newark, N. J.	36,061	48,938	70,498	83,252	94.09	113.48	153.59	178.39
16	Minneapolis, Minn.	16,007	37,204	49,026	52,021	55.84	92.78	115.04	118.21
17	New Orleans, La.	42,846	40,416	44,605	49,206	118.61	100.79	106.22	115.94
18	Cincinnati, Ohio.	69,839	81,470	82,500	82,004	143.79	201.23	200.73	199.16
19	Kansas City, Mo.	9,763	15,642	36,806	43,430	34.32	46.88	99.47	115.02
20	Seattle, Wash.	31,029	58,486	72,023	74,714	99.12	185.11	(1)	(1)
21	Indianapolis, Ind.	4,850	24,456	31,434	31,303	18.07	73.00	85.66	83.63
22	Rochester, N. Y.	11,579	24,180	38,148	42,094	47.21	77.61	118.84	129.72
23	Jersey City, N. J.	10,521	36,887	70,891	63,547	66.53	118.94	241.80	206.99
24	Louisville, Ky.	11,865	12,378	19,218	21,171	50.60	52.31	62.40	66.77
25	Toledo, Ohio.	10,900	26,690	30,001	32,963	54.31	102.37	101.70	107.94
26	Akron, Ohio.	6,350	23,338	35,298	37,759	85.43	111.07	(1)	(1)
27	Columbus, Ohio.	10,044	21,843	25,697	27,229	49.10	85.51	90.17	93.41
28	Portland, Oreg.	16,022	25,585	40,759	43,967	61.72	95.16	(3)	(1)
29	Denver, Colo.	998	16,495	32,190	32,087	3.70	61.64	112.95	110.72
30	Providence, R. I.	13,523	13,786	24,183	27,005	56.46	67.28	83.58	95.76
31	Oakland, Calif.	9,927	11,768	18,379	20,751	53.11	61.19	73.46	101.37
32	St. Paul, Minn.	10,569	13,014	27,402	27,343	44.00	54.26	110.49	100.33
33	Atlanta, Ga.	4,920	7,054	8,322	12,190	27.44	32.32	(1)	48.99
34	Omaha, Neb.	15,261	23,093	33,599	33,231	114.73	149.41	155.55	161.60
35	Birmingham, Ala.	5,839	9,345	14,295	15,217	35.67	49.24	68.40	71.04
36	San Antonio, Tex.	5,634	8,035	29,700	23,385	48.20	46.13	102.99	112.70
37	Dallas, Tex.	5,947	11,728	29,510	21,119	62.38	69.07	103.59	103.12
38	Syracuse, N. Y.	8,976	13,375	21,678	24,248	80.10	70.06	116.64	123.09
39	Houston, Tex.	9,858	15,459	29,783	35,744	94.13	103.00	(1)	(1)
40	Worcester, Mass.	7,530	6,175	8,447	8,603	47.88	32.82	43.77	45.54
41	Richmond, Va.	11,170	16,405	25,553	26,223	82.70	92.20	136.20	138.06
42	New Haven, Conn.	4,236	9,345	10,611	10,360	20.31	54.98	68.30	60.03
43	Dayton, Ohio.	6,000	10,480	16,497	18,955	48.64	64.70	93.20	104.90
44	Norfolk, Va.	8,234	24,208	33,267	32,969	94.31	194.28	191.19	183.93
45	Memphis, Tenn.	12,280	16,453	24,076	25,402	85.80	115.89	141.11	142.32
46	Bridgeport, Conn.	2,621	10,492	14,180	13,376	22.65	69.47	(1)	(1)
47	Youngstown, Ohio.	3,950	11,171	10,347	9,641	39.27	84.40	62.71	56.01
48	Hartford, Conn.	8,896	13,408	16,767	16,076	81.90	92.42	67.87	97.31
49	Fort Worth, Tex.	5,447	9,235	15,977	19,803	57.64	81.68	101.12	121.87
50	Grand Rapids, Mich.	3,730	5,709	12,045	12,830	30.66	40.24	78.22	81.77
51	Springfield, Mass.	7,549	9,950	14,411	14,860	75.38	71.23	99.39	100.05
52	Des Moines, Iowa.	3,355	13,930	17,434	18,310	34.48	104.19	121.07	124.81
53	Tulsa, Okla.	(2)	6,258	14,062	14,852	(2)	70.25	106.53	101.86
54	Seranton, Pa.	2,537	2,914	4,416	7,375	17.95	20.84	30.88	51.25
55	Paterson, N. J.	4,739	7,940	14,344	17,076	35.02	57.32	100.31	118.75
56	Jacksonville, Fla.	3,848	7,453	12,720	14,939	54.33	76.35	(1)	(1)
57	Nashville, Tenn.	6,036	9,557	11,773	14,331	52.55	79.42	85.94	107.62
58	Flint, Mich.	1,551	10,120	15,847	18,076	31.64	94.89	120.96	131.46
59	Trenton, N. J.	2,714	3,070	11,790	12,778	26.31	31.74	87.98	93.48
60	Salt Lake City, Utah.	6,223	9,794	9,108	9,034	56.71	79.03	63.47	66.57
61	Camden, N. J.	4,379	6,046	9,407	11,113	42.73	56.08	71.81	83.49
62	Fall River, Mass.	5,049	7,106	10,203	9,893	40.25	68.83	77.89	74.00
63	Miami, Fla.	(9)	5,575	14,180	26,539	(2)	162.42	111.66	201.51
64	Wilmington, Del.	5,186	9,278	10,489	10,555	56.00	81.04	85.29	84.24
65	Erie, Pa.	1,034	6,467	7,819	8,085	14.29	59.04	(1)	(1)
66	Cambridge, Mass.	7,198	5,959	5,996	6,240	65.03	53.89	49.55	50.04
67	New Bedford, Mass.	8,030	12,107	12,685	12,283	72.38	95.56	105.28	102.76
68	Albany, N. Y.	6,733	6,368	14,400	15,402	56.17	54.70	121.01	137.25
69	Yonkers, N. Y.	8,031	12,444	19,370	20,155	92.42	118.04	166.98	169.63
70	Kansas City, Kans.	7,555	8,999	13,880	12,870	58.94	79.08	115.63	109.63

1 Per capita not computed.

2 Not reported in 1915.

No. 243.—NET DEBT OF CITIES OF 100,000 OR MORE INHABITANTS—Continued

City number in order of size	City	Amount (thousands of dollars)				Per capita (dollars)			
		1915	1922	1920	1927	1915	1922	1920	1927
71	San Diego, Calif.....	10,868	12,011	15,210	10,105	222.26	143.80	138.27	140.21
72	Duluth, Minn.....	6,695	8,309	10,752	12,342	76.94	79.76	96.15	107.61
73	Reading, Pa.....	2,115	3,698	8,981	9,814	20.46	33.61	78.78	85.71
74	Canton, Ohio.....	2,647	11,053	12,557	12,191	49.09	115.45	114.15	107.60
75	Elizabeth, N. J.....	3,217	3,105	4,484	4,873	38.53	80.55	(1)	(1)
70	Oklahoma City, Okla.....	4,827	8,811	12,155	11,718	56.22	90.85	(1)	(1)
77	Lowell, Mass.....	2,675	6,149	5,427	5,190	24.09	53.74	49.20	47.06
78	El Paso, Tex.....	2,968	6,240	6,745	6,515	59.02	74.18	93.63	59.23
79	Spokane, Wash.....	7,764	6,318	4,492	5,132	57.23	60.42	41.21	47.09
80	Tacoma, Wash.....	9,937	7,108	11,940	11,028	96.08	71.42	112.69	102.87
81	Waterbury, Conn.....	4,399	9,572	13,751	14,794	53.32	69.20	(1)	(1)
82	Lynn, Mass.....	4,328	3,265	5,795	6,221	44.07	32.17	55.72	50.33
83	Tampa, Fla.....	2,893	2,465	11,474	15,034	57.50	45.00	116.02	143.87
84	Utica, N. Y.....	2,114	4,429	7,766	8,270	25.77	43.59	76.40	80.05
85	Fort Wayne, Ind.....	937	2,972	4,544	4,706	13.63	32.46	45.44	45.65
86	Somerville, Mass.....	1,316	1,450	1,467	2,311	19.26	15.01	14.57	22.75
87	Knoxville, Tenn.....	3,193	8,024	15,651	16,465	84.12	94.68	169.87	162.70
88	Long Beach, Calif.....	(2)	5,166	15,604	16,778	(2)	81.51	165.29	166.12

¹ Per capita not computed.

² Not reported in 1915.

Source: Bureau of the Census, Department of Commerce.

No. 244.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 100,000 INHABITANTS, 1927

NOTE.—See headnote, Table 226. Cities are arranged in order of their estimated population in 1927

City number in order of size	City	Amount (thousands of dollars)				Per capita (dollars)				
		Total revenue receipts	Operation and maintenance	Inter-est	Out-lays	Net debt	Total revenue receipts	Operation and maintenance	Inter-est	Net debt
89	Savannah, Ga.....	2,962	2,998	246	1,126	5,216	29.70	20.74	2.47	52.32
90	Allentown, Pa.....	2,957	2,153	225	1,707	5,403	30.49	22.20	2.32	55.76
91	Evansville, Ind.....	3,967	2,693	177	1,251	4,144	41.07	26.53	1.83	42.90
92	Wichita, Kans.....	4,241	2,761	427	1,453	5,423	44.13	28.73	4.45	56.43
93	Lawrence, Mass.....	4,621	3,820	300	120	6,001	40.41	40.85	3.20	53.47
94	Schenectady, N. Y.....	6,019	4,420	402	1,605	7,908	64.53	47.43	4.31	85.82
95	Bayonne, N. J.....	5,999	5,260	717	549	9,388	64.43	56.49	7.71	109.84
96	Wilkes-Barre, Pa.....	3,403	2,664	245	384	3,893	37.43	28.21	2.70	42.83
97	Hamtramck, Mich.....	3,644	2,444	234	830	3,073	40.13	26.91	3.13	43.75
98	Harrisburg, Pa.....	3,810	2,638	338	1,804	9,118	44.53	30.70	4.30	106.39
99	Gary, Ind.....	5,763	2,892	173	3,825	4,407	67.65	33.94	2.03	61.72
100	Manchester, N. H.....	3,278	2,380	250	699	5,229	38.67	28.07	2.95	61.67
101	South Bend, Ind.....	6,690	2,790	261	3,452	5,493	79.46	33.13	3.10	61.17
102	Peoria, Ill.....	2,909	2,125	120	928	1,050	36.02	25.46	1.44	12.57
103	Rockford, Ill.....	3,815	2,327	266	1,924	2,225	47.16	28.76	3.66	27.50
104	Highland Park, Mich.....	5,055	3,567	478	821	9,843	63.74	44.97	6.04	86.29
105	St. Joseph, Mo.....	3,388	1,853	166	1,401	3,698	43.21	23.63	2.12	47.18
106	Sioux City, Iowa.....	3,604	2,499	197	862	3,551	46.09	31.90	2.52	49.24
107	Shreveport, La.....	2,996	1,882	362	1,019	8,036	38.41	24.13	5.02	103.03
108	Portland, Me.....	3,902	2,873	465	699	8,886	51.13	37.08	0.00	114.65
109	Little Rock, Ark.....	2,789	1,509	328	1,862	4,018	35.99	19.43	4.23	61.85
110	Charleston, S. C.....	3,454	2,310	577	559	9,247	46.05	30.50	7.69	123.30
111	Sacramento, Calif.....	5,914	3,752	658	2,823	13,676	70.63	60.30	7.62	181.99
112	Lansing, Mich.....	6,441	3,361	378	1,693	6,459	37.05	45.42	5.11	73.77
113	Binghamton, N. Y.....	4,536	3,469	209	1,335	5,843	61.79	46.93	4.05	92.59
114	Saginaw, Mich.....	3,589	2,404	338	1,216	4,005	48.57	32.54	4.56	55.41
115	Winston-Salem, N. C.....	2,778	1,667	756	1,423	10,322	37.70	22.01	10.20	140.05
116	East St. Louis, Ill.....	2,619	1,611	257	439	2,865	34.46	22.03	3.52	36.78
117	Johnstown, Pa.....	3,102	2,376	374	1,413	8,331	42.49	32.55	5.13	114.12
118	Chattanooga, Tenn.....	2,836	2,016	468	1,610	9,097	39.00	27.73	6.78	125.13
119	Terre Haute, Ind.....	2,783	2,092	153	742	2,906	38.07	28.77	2.10	39.97
120	Chester, Pa.....	1,975	1,303	227	541	3,747	27.32	18.03	8.14	61.83
121	Troy, N. Y.....	3,780	2,887	325	839	6,664	52.23	39.93	4.50	92.18
122	Pawtucket, R. I.....	3,124	2,179	516	1,489	9,681	44.30	30.22	7.16	133.53

No. 244.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 100,000 INHABITANTS, 1927—Continued

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Operation and maintenance	Interest	Outlays	Net debt	Total revenue receipts	Operation and maintenance	Interest	Net debt
123	Springfield, Ohio.....	2,569	1,601	214	711	2,942	35.88	23.02	2.99	41.08
124	Racine, Wis.....	3,089	1,907	182	1,135	4,375	43.33	20.74	2.55	61.36
125	Passaic, N. J.....	3,057	2,036	595	885	8,048	43.18	37.23	8.40	113.67
126	New Britain, Conn.....	3,134	2,311	279	1,852	6,450	44.77	33.02	3.85	92.14
127	Lincoln, Nebr.....	4,032	2,544	328	2,071	5,240	68.10	36.60	4.69	75.60
128	Berkeley, Calif.....	4,046	2,913	205	2,203	5,098	63.08	42.47	2.99	74.31
129	Cicero, Ill.....	2,724	1,736	223	1,609	3,444	39.77	26.03	3.25	19.62
130	Hoboken, N. J.....	5,112	3,738	641	19	9,096	75.00	52.98	9.40	133.43
131	Altoona, Pa.....	2,244	1,533	232	532	5,546	33.10	22.16	3.42	52.80
132	Mobile, Ala.....	2,101	1,631	335	1,033	4,820	31.12	22.63	4.97	71.59
133	Niagara Falls, N. Y.....	4,373	3,040	500	1,583	11,924	73.16	45.65	8.95	179.04
134	Bethlehem, Pa.....	2,496	1,466	803	833	6,490	37.82	22.21	5.49	98.33
135	Huntington, W. Va.....	2,763	1,916	187	768	3,349	41.86	29.03	2.84	50.75
136	Brockton, Mass.....	3,035	2,639	228	627	3,422	55.63	40.49	3.49	52.36
137	Quincy, Mass.....	4,444	2,963	332	1,586	5,180	65.05	45.42	5.35	79.33
138	Springfield, Ill.....	3,626	2,289	180	1,685	2,559	55.95	35.32	2.80	39.49
139	Union City, N. J.....	2,534	2,201	253	1,022	4,373	39.60	34.35	3.90	68.32
140	East Orange, N. J.....	3,781	2,766	450	1,254	5,348	59.73	43.64	7.93	87.64
141	Roanoke, Va.....	2,157	1,530	262	407	6,734	34.12	24.21	4.14	106.65
142	Lakewood, Ohio.....	3,671	2,285	504	629	1,032	59.01	30.75	8.13	16.69
143	Wichita Falls, Tex.....	2,062	1,220	593	1,015	3,673	(1)	(1)	(1)	(1)
144	Topoka, Kans.....	3,010	2,027	177	1,933	8,208	48.72	32.76	2.86	61.74
145	Jackson, Mich.....	2,641	1,622	301	1,712	6,019	42.80	26.28	4.89	67.56
146	Fresno, Calif.....	2,632	2,341	179	444	8,064	42.94	38.18	2.92	59.77
147	Portsmouth, Va.....	1,948	1,138	501	325	8,138	32.00	18.75	8.25	134.06
148	Holyoke, Mass.....	4,855	3,660	245	595	4,130	80.55	60.76	4.05	69.38
149	Macon, Ga.....	2,900	1,421	131	826	2,407	33.27	23.65	2.17	49.05
150	Pasadena, Calif.....	3,342	4,739	589	3,816	12,948	140.91	79.94	9.90	208.82
151	Covington, Ky.....	1,847	1,364	108	613	3,233	31.46	23.23	2.87	55.33
152	Lancaster, Pa.....	1,762	1,474	145	581	3,292	30.53	25.55	2.51	57.06
153	Wheeling, W. Va.....	2,866	2,076	235	573	4,035	53.09	36.95	4.18	72.32
154	Augusta, Ga.....	2,361	1,075	165	671	3,256	42.01	20.81	2.93	57.94
155	Newton, Mass.....	4,037	3,423	301	1,376	4,634	82.80	61.18	5.37	82.75
156	Oak Park, Ill.....	3,402	1,922	260	2,210	2,558	61.19	34.57	4.33	40.00
157	Kalamazoo, Mich.....	2,910	1,866	216	770	2,620	52.43	33.62	3.83	47.20
158	Decatur, Ill.....	2,588	1,543	232	1,170	2,196	40.81	27.90	4.20	39.71
159	Charlotte, N. C.....	2,899	1,730	437	1,233	7,343	52.61	31.40	8.53	133.27
160	Kenosha, Wis.....	3,261	1,921	151	1,179	3,294	56.72	35.17	2.79	90.53
161	Atlantic City, N. J.....	7,028	5,304	907	3,424	20,337	126.67	108.74	17.85	378.90
162	Hammond, Ind.....	4,200	2,039	138	2,081	2,638	77.49	37.63	2.55	48.07
163	Pontiac, Mich.....	3,516	1,965	275	1,945	5,059	65.12	36.39	5.09	93.69
164	Davenport, Iowa.....	2,454	1,693	143	395	2,580	45.67	31.60	2.65	48.00
165	Beaumont, Tex.....	1,018	1,335	304	1,275	6,286	35.91	25.00	5.69	117.72
166	Cedar Rapids, Iowa.....	2,285	1,514	153	689	3,061	42.70	28.35	2.87	57.32
167	Mount Vernon, N. Y.....	4,785	3,163	532	2,036	11,477	89.77	50.25	9.99	215.32
168	Malden, Mass.....	2,643	1,936	207	498	2,717	40.97	37.65	3.91	51.36
169	Woonsocket, R. I.....	2,451	1,574	460	1,022	7,327	46.87	30.11	8.98	140.10
170	Newport News, Va.....	1,557	877	841	92	6,029	33.12	16.95	6.60	116.62
171	New Castle, Pa.....	1,789	1,309	135	624	3,308	34.67	25.37	2.61	64.11
172	Charleston, W. Va.....	2,166	1,276	193	637	2,994	41.07	24.74	3.74	68.03
173	Medford, Mass.....	2,329	1,948	205	930	3,904	54.77	37.97	4.61	70.05
174	Springfield, Mo.....	1,623	1,052	33	444	1,473	31.50	20.87	3.65	28.93
175	Columbia, S. C.....	1,567	1,097	198	1,027	3,525	31.35	21.93	3.67	70.50
176	McKeesport, Pa.....	2,066	1,533	139	792	2,433	41.40	31.72	2.78	48.76
177	Stockton, Calif.....	2,755	1,901	220	898	4,428	55.22	38.16	4.43	83.92
178	York, Pa.....	1,585	1,133	103	835	1,876	31.05	23.84	2.08	37.82
179	Galveston, Tex.....	2,266	1,437	481	1,535	8,846	45.78	29.04	0.71	178.72
180	Elmira, N. Y.....	2,341	1,859	151	212	3,292	47.29	37.57	3.05	66.60
181	Greensboro, N. C.....	2,430	1,126	554	2,412	8,265	49.19	22.79	11.22	167.11
182	Bay City, Mich.....	2,491	1,762	259	128	3,785	50.53	35.75	5.25	76.77
183	Haverhill, Mass.....	2,584	2,080	102	420	1,640	52.50	42.37	2.08	33.42
184	Perth Amboy, N. J.....	2,430	1,641	405	701	5,721	50.71	33.42	8.25	116.52
185	East Chicago, Ind.....	2,727	1,480	230	1,072	4,265	55.54	30.27	4.69	86.87
186	Pittsfield, Mass.....	2,290	1,623	121	323	2,174	46.03	33.16	2.45	44.29
187	Chelsea, Mass.....	2,591	2,003	243	231	2,708	51.04	40.88	4.96	55.26

1 Not computed.

No. 244.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 100,000 INHABITANTS, 1927—Continued

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Operation and maintenance	In-terest	Out-lay	Net debt	Total revenue receipts	Operation and maintenance	In-terest	Net debt
188	Madison, Wis.....	3,548	2,352	304	1,351	5,232	72.71	48.20	6.23	107.21
189	Lima, Ohio.....	2,538	1,189	426	292	5,063	52.11	24.40	8.75	116.29
190	Lexington, Ky.....	1,804	1,162	133	736	1,805	37.50	24.16	2.77	58.78
191	New Rochelle, N. Y.....	4,189	3,410	847	2,072	8,144	38.57	72.10	7.33	172.17
192	St. Petersburg, Fla.....	6,189	3,168	1,048	15,317	14,523	131.12	67.11	22.21	307.70
193	Montgomery, Ala.....	1,500	1,081	290	303	4,194	32.05	23.09	6.20	89.62
194	Aurora, Ill.....	2,045	1,211	151	826	1,102	43.98	26.04	3.25	28.70
195	Evanston, Ill.....	4,498	2,439	313	1,312	3,105	96.93	62.57	6.74	66.03
196	Columbus, Ga.....	1,511	1,095	99	230	2,119	32.98	23.90	2.17	46.27
197	Muncie, Ind.....	1,449	1,017	64	347	1,192	31.64	22.21	1.40	26.03
198	Waco, Tex.....	1,841	1,281	213	364	3,120	40.47	28.15	4.60	68.53
199	Muskegon, Mich.....	2,455	1,487	227	620	3,953	53.95	32.70	4.90	89.87
200	Jamestown, N. Y.....	3,125	2,043	213	1,682	4,673	69.30	45.31	4.73	103.02
201	Brookline, Mass.....	3,730	2,706	180	706	2,090	83.27	60.41	4.02	49.95
202	San Jose, Calif.....	2,733	1,836	118	662	2,301	61.00	40.99	2.63	51.37
203	Fitchburg, Mass.....	2,451	1,841	145	504	2,845	54.83	41.20	3.24	63.69
204	Durham, N. C.....	1,036	1,233	372	2,124	6,851	43.40	27.64	8.34	154.29
205	Chicopee, Mass.....	2,433	1,809	110	473	1,842	55.04	40.92	2.50	41.67
206	Pueblo, Colo.....	2,410	1,420	285	639	3,007	54.65	32.20	6.46	69.55
207	Lorain, Ohio.....	2,053	1,181	286	430	3,392	46.67	26.85	6.51	77.09
208	Battle Creek, Mich.....	1,871	1,236	90	1,024	1,071	42.81	23.28	2.06	24.51
209	Williamsport, Pa.....	1,478	1,085	79	552	1,703	33.91	24.90	1.80	39.17
210	Hamilton, Ohio.....	3,165	1,887	240	717	3,321	73.00	43.57	5.55	76.69
211	Butte, Mont.....	1,311	906	141	181	1,584	30.36	20.99	3.25	36.09
212	Salem, Mass.....	1,737	1,737	114	536	2,306	54.01	40.50	2.60	53.74
213	Everett, Mass.....	2,491	1,918	207	507	1,838	58.07	44.72	4.82	42.84
214	Stamford, Conn.....	2,945	2,013	239	1,675	4,347	68.96	47.15	5.00	101.81
215	Dubuque, Iowa.....	1,594	1,106	118	227	3,038	38.33	26.59	2.83	73.02
216	Joliet, Ill.....	1,721	1,232	153	269	1,605	41.47	29.69	3.68	38.67
217	Rock Island, Ill.....	1,305	782	106	436	178	31.67	18.98	2.57	4.31
218	Council Bluffs, Iowa.....	1,833	1,148	107	523	2,059	44.59	27.93	2.60	50.10
219	Portsmouth, Ohio.....	1,784	1,108	300	829	3,001	44.04	27.35	7.40	96.33
220	Taunton, Mass.....	2,337	1,707	167	588	2,524	58.29	42.57	4.16	62.93
221	New Brunswick, N. J.....	1,975	1,544	252	732	4,037	40.50	38.70	6.32	101.18
222	Superior, Wis.....	1,943	1,453	101	405	2,148	48.97	36.01	2.55	54.14
223	Quincy, Ill.....	1,584	942	77	761	811	40.30	23.97	1.95	7.91
224	Kokomo, Ind.....	1,000	676	26	229	497	25.58	17.30	0.65	12.71
225	Austin, Tex.....	2,085	1,490	156	391	2,874	53.75	35.41	4.02	74.07
226	Lynchburg, Va.....	1,723	1,237	227	331	3,763	44.64	32.03	5.89	67.49
227	Ogden, Utah.....	1,722	1,005	244	353	3,502	44.96	28.23	6.35	91.43
228	Wilmington, N. C.....	1,178	879	184	368	3,472	31.00	23.13	4.33	91.36
229	Easton, Pa.....	1,801	1,125	220	1,071	3,994	47.53	29.69	5.81	105.38
230	Danville, Ill.....	1,119	817	126	255	1,071	26.60	21.61	3.34	28.34
231	Hazlet, Pa.....	1,163	909	137	669	2,888	31.03	24.25	3.05	77.00
232	Waterloo, Iowa.....	1,668	1,083	141	337	2,530	45.07	26.25	3.82	68.39
233	Petersburg, Va.....	1,061	752	199	284	3,400	28.82	20.44	5.39	92.39
234	Waltham, Mass.....	2,016	1,603	139	570	2,259	55.38	44.04	3.81	62.05
235	Orange, N. J.....	1,849	1,447	252	194	3,735	51.22	40.09	6.97	103.43
236	Poughkeepsie, N. Y.....	2,000	1,494	175	412	3,113	55.95	41.61	4.89	89.72
237	Amsterdam, N. Y.....	1,728	1,183	110	190	1,886	48.13	32.97	3.05	62.55
238	Norristown, Pa.....	923	676	55	271	1,521	25.79	18.88	1.53	42.60
239	Auburn, N. Y.....	1,524	1,190	62	142	852	42.71	33.36	1.74	23.87
240	Lewiston, Me.....	980	773	68	127	1,897	27.53	21.70	1.77	39.24
241	Green Bay, Wis.....	1,635	1,202	132	328	2,493	46.06	33.85	3.73	70.21
242	Elgin, Ill.....	1,456	886	103	1,148	1,036	41.01	25.29	2.95	20.61
243	Moline, Ill.....	1,221	927	84	363	288	35.29	26.80	2.42	8.92
244	Sheboygan, Wis.....	2,077	1,213	56	664	876	60.21	35.16	1.61	25.35
245	Watertown, N. Y.....	1,749	1,241	158	471	3,308	52.53	37.27	4.73	99.55
246	Oshkosh, Wis.....	1,864	1,273	69	574	1,486	56.16	36.33	2.08	44.76
247	Muskogee, Okla.....	1,368	947	197	28	2,082	41.82	28.99	6.02	68.68
248	Newburgh, N. Y.....	1,422	1,122	87	1,008	2,339	46.79	36.91	2.88	73.64
249	La Crosse, Wis.....	1,677	1,185	102	489	1,436	56.16	39.30	3.35	47.25
250	Colorado Springs, Colo.....	2,703	1,773	261	343	4,891	89.79	58.90	8.68	162.46

Source: Bureau of the Census, Department of Commerce.

11. MONEY AND BANKING

No. 245.—COINAGE OF THE UNITED STATES MINTS: 1793 to 1928

[All figures in thousands of dollars]

Period or calendar year	Total	Gold	Silver	Minor	Calendar year	Total	Gold	Silver	Minor
1793-1800	2,534	1,014	1,440	79	1808	102,145	77,986	23,084	1,128
1801-1810	6,971	3,250	3,509	151	1809	139,243	111,344	28,062	1,837
1811-1820	9,328	3,166	5,070	191	1800	137,649	99,273	36,246	2,081
1821-1830	18,835	1,903	16,781	151	1901	134,694	101,735	30,888	2,120
1831-1840	46,463	18,777	27,343	342	1902	79,661	47,185	30,023	2,445
1841-1850	111,959	89,215	22,363	880	1903	65,810	43,684	19,874	2,251
1851-1855	237,390	214,142	22,972	276	1904	250,782	233,402	15,096	1,684
1856-1860	155,945	130,284	24,660	1,021	1905	58,269	49,638	6,332	2,299
1861-1865	185,015	175,093	7,146	2,775	1906	92,335	78,793	10,661	2,891
1866-1870	126,901	115,417	5,610	5,873	1907	148,123	131,907	13,178	5,042
1871-1875	201,346	168,074	31,838	1,438	1908	145,499	131,630	12,392	1,469
1876-1880	378,934	241,753	136,396	834	1909	98,621	88,777	8,088	1,756
1881-1885	390,384	243,745	142,667	3,081	1910	111,605	104,724	3,744	3,037
1886-1890	306,322	126,180	175,003	5,139	1911	65,791	56,177	6,347	3,157
1891-1895	328,769	260,169	93,861	4,729	1912	27,417	17,469	7,451	2,577
1896-1900	546,055	411,634	127,018	7,352	1913	33,285	25,433	3,184	4,687
1901-1905	589,215	475,645	102,769	10,801	1914	61,750	53,458	6,084	2,208
1906-1910	596,088	535,840	48,053	12,195	1915	30,145	23,968	4,114	2,063
1911-1915	218,333	170,535	27,180	14,672	1916	33,743	18,525	8,581	6,338
1916-1920	171,721	35,525	99,892	36,304	1917	35,540	10	29,412	6,118
1921-1925	820,338	535,005	281,167	10,666	1918	31,446	-----	25,473	5,973
1880	61,375	28,946	32,687	343	1919	20,778	-----	11,068	9,709
1887	60,379	23,972	35,191	1,216	1920	50,214	16,990	25,057	8,167
1888	65,319	31,381	33,026	912	1921	100,783	10,570	89,058	1,155
1889	58,194	21,414	35,467	1,283	1922	165,077	80,680	84,325	72
1890	61,055	20,467	39,203	1,385	1923	114,575	45,365	66,283	2,927
1891	58,053	20,222	27,519	1,312	1924	229,047	206,010	21,627	2,310
1892	48,390	34,787	12,641	961	1925	216,457	192,350	19,874	4,203
1893	66,934	59,997	8,802	1,135	1926	102,828	78,541	19,826	4,462
1894	89,185	79,546	9,200	1,438	1927	141,147	126,645	11,288	4,212
1895	66,197	59,616	5,098	882	1928	189,773	177,300	8,749	8,665
1896	70,976	47,053	23,000	833	Total	5,889,194	4,343,948	1,413,648	131,698
1897	96,042	76,028	18,487	1,526					

1 Figures for periods are totals, not annual averages.

No. 246.—MONEY IN CIRCULATION, BY KINDS

NOTE.—For total circulation for earlier years see Table 245

[All figures in millions and tenths of millions of dollars]

Date	Total	Gold coin	Gold certificates	Silver dollars	Silver certificates	Treasury notes of 1890	Subsidiary silver	Minor coins	United States notes	Federal reserve notes	Federal reserve bank notes	National bank notes
June 30:												
1914	3,459.4	611.5	1,026.1	70.3	478.6	2.4	160.0	57.4	837.8	-----	-----	715.2
1915	3,319.0	587.5	821.9	64.5	463.1	2.2	159.0	58.5	809.8	70.8	-----	732.1
1916	3,649.3	624.9	1,050.3	66.2	476.3	2.1	171.2	63.0	828.2	149.2	1.7	715.2
1917	4,066.4	669.5	1,032.9	71.5	498.4	2.0	193.7	68.4	811.6	506.8	3.7	690.6
1918	4,481.7	537.2	511.2	77.2	370.3	1.9	216.5	75.0	291.9	1,698.2	11.0	691.4
1919	4,876.6	474.9	827.6	79.0	163.4	1.7	229.3	81.3	271.7	2,450.3	155.0	639.5
1920	5,467.6	474.8	259.0	76.7	97.6	1.7	248.9	91.0	278.1	3,064.7	185.4	639.6
1921	4,911.0	447.3	200.6	65.9	158.8	1.6	235.3	91.4	250.2	2,509.6	129.9	721.4
1922	4,463.2	415.9	173.3	58.0	265.3	1.5	229.3	89.2	202.3	2,138.7	71.9	727.7
1923	4,823.3	404.2	386.5	57.3	304.3	1.5	247.3	93.9	302.7	2,234.7	20.0	711.1
1924	4,849.3	393.3	801.4	54.0	304.4	1.4	253.0	97.0	297.8	1,843.1	10.1	733.8
1925	4,815.2	402.3	1,004.8	54.3	332.8	1.4	262.0	100.3	282.6	1,636.1	6.9	681.7
1926	4,885.3	391.7	1,037.4	51.6	377.7	1.4	270.1	104.2	294.9	1,679.4	5.6	651.5
1927	4,851.3	385.0	1,007.1	48.7	375.8	1.3	275.6	103.1	292.2	1,702.3	4.6	660.1
1928	4,796.6	377.0	1,019.1	46.2	384.6	1.3	278.2	111.1	298.4	1,626.4	4.0	639.2
Dec. 31:												
1927	5,003.0	402.1	1,078.7	48.8	400.3	1.3	285.6	111.8	292.9	1,762.8	4.3	619.4
1928	4,973.2	395.3	991.0	46.5	410.3	1.3	291.3	115.6	294.2	1,808.1	3.8	615.8

Sources: Table 245, Director of the mint, Treasury Department; Table 246, Annual Report of the Secretary of the Treasury.

No. 247.—STOCK OF MONEY IN THE UNITED STATES, BY KINDS, JUNE 30

NOTE.—Amounts in thousands of dollars. Figures prior to 1890 have been revised from the best available data, but the older records, especially from 1860 through the early 70's, are not complete and figures for gold and silver those years are only estimates. Figures beginning 1890 have been compiled on the basis of revised figures for June 30 of each year and therefore differ slightly from the monthly circulation statements. In 1927, data were revised to include minor coins beginning 1900 (no satisfactory data available for earlier years) and gold coin and bullion held abroad for Federal reserve banks and to exclude earmarked gold. Gold and silver certificates and Treasury notes of 1890 are not shown, since equivalent amounts held in trust against them are included in gold coin and bullion and silver dollars

June 30— (except as indicated)	Total	Gold coin and bullion ¹	Silver dollars	Subsidi- ary silver	United States notes	Fractional paper cur- rency ²	Other United States cur- rency	State- bank notes	Nati- onal- bank notes	Per- cent- age of gold to total money
1860	442,102	214,000		21,002				207,102		48.41
1865	1,180,197	189,000		9,502	481,066	25,006	230,567	142,920	146,138	16.01
1870	899,876	189,500		10,000	356,000	80,879	2,507	2,223	209,767	21.06
1875	926,702	121,185	2,743	28,500	375,772	42,129	551	904	354,403	13.09
1876	905,238	120,057	3,997	32,419	369,772	84,447	500	1,047	332,188	14.37
1877	916,548	107,501	4,027	43,538	359,764	20,403	456	900	317,049	18.23
1878	934,226	213,200	16,269	63,779	346,681	16,548	428	806	324,514	21.06
1879	1,038,041	245,742	41,276	70,260	346,681				320,092	23.77
1880	1,185,550	351,841	60,660	72,862	346,681				344,606	20.68
1881	1,349,692	478,485	95,207	74,087	346,681				355,049	35.45
1882	1,409,398	505,759	122,789	74,429	346,681				358,742	35.96
1883	1,472,494	542,732	132,048	74,900	346,681				356,073	36.86
1884	1,487,250	545,501	180,307	75,292	346,681				330,600	35.68
1885	1,537,454	588,097	208,539	75,940	346,681				318,677	38.29
1886	1,501,408	500,774	237,192	75,061	346,681				311,690	37.84
1887	1,633,413	654,520	277,446	75,648	346,681				279,218	40.07
1888	1,691,441	705,810	319,106	76,406	346,681				252,368	41.73
1889	1,658,672	650,004	343,947	76,602	346,681				211,379	41.00
1890	1,685,123	695,563	380,083	76,325	346,681				185,971	41.28
1891	1,677,794	640,583	438,754	77,343	346,681				167,928	38.54
1892	1,752,210	664,275	491,058	77,521	346,681				172,684	37.37
1893	1,738,808	597,698	538,301	77,415	346,681				178,714	34.91
1894	1,805,079	627,293	545,000	76,250	346,681				205,555	34.75
1895	1,819,360	636,266	547,777	76,954	346,681				211,691	34.97
1896	1,799,975	596,528	551,724	75,072	346,681				226,001	33.31
1897	1,906,770	606,239	556,500	76,118	346,681	Minor coins			231,442	36.51
1898	2,073,574	861,615	501,351	76,128	346,681				227,000	41.55
1899	2,100,094	963,498	563,697	74,867	346,681				241,351	43.99
1900	2,336,220	1,034,384	566,131	82,864	346,681	20,620			300,640	43.71
1901	2,511,472	1,124,690	568,183	86,823	346,681	28,040			353,742	44.73
1902	2,593,010	1,102,505	570,135	97,384	346,681	30,643			350,672	45.03
1903	2,717,648	1,248,682	573,643	102,635	346,681	32,035			413,671	45.95
1904	2,838,023	1,227,656	572,670	107,002	346,681	34,519			449,236	46.73
1905	2,919,404	1,357,656	568,620	114,824	346,681	36,384			495,720	46.50
1906	3,109,380	1,476,707	568,252	118,225	346,681	36,403			601,112	47.46
1907	3,158,111	1,466,380	568,250	130,452	346,681	42,550			603,789	46.43
1908	3,423,068	1,618,133	568,260	147,956	346,681	44,304			698,334	47.27
1909	3,451,521	1,642,042	568,277	150,400	346,681	46,193			689,620	47.57
1910	3,466,856	1,636,043	568,278	155,159	346,681	47,261			713,431	47.19
1911	3,606,989	1,753,197	578,279	159,607	346,681	51,028			728,195	48.61
1912	3,701,965	1,818,188	568,278	170,588	346,681	53,694	Federal reserve notes	Federal reserve bank notes	745,135	49.11
1913	3,777,021	1,870,762	568,273	176,106	346,681	56,951			756,158	49.53
1914	3,707,826	1,890,657	568,272	182,607	346,681	59,590			750,672	49.78
1915	4,050,783	1,985,539	568,272	185,430	346,681	61,327	84,261		819,274	49.02
1916	4,541,730	2,444,668	568,270	188,858	346,681	63,909	176,168	9,000	844,175	53.83
1917	5,670,599	3,218,007	568,270	198,275	346,681	66,168	547,408	12,700	715,420	56.09
1918	6,036,222	3,102,793	569,510	231,857	346,681	78,088	1,847,680	15,444	724,205	45.80
1919	7,688,413	3,113,303	568,440	242,876	346,681	82,909	2,687,557	187,607	719,277	40.49
1920	8,168,496	2,865,482	568,837	258,855	346,681	92,479	3,405,877	201,226	719,038	35.12
1921	8,174,528	3,274,730	288,758	27,314	346,681	98,522	3,000,430	153,772	743,200	40.06
1922	8,276,970	3,784,652	381,174	27,211	346,681	98,593	2,555,062	53,495	768,202	45.78
1923	8,702,738	4,049,554	491,887	260,186	346,681	99,066	2,676,502	22,083	747,440	46.53
1924	8,846,542	4,488,891	603,765	277,014	346,681	102,443	2,339,048	10,560	778,012	50.74
1925	8,303,622	4,364,032	622,001	283,472	346,681	104,004	1,645,240	7,176	783,366	62.55
1926	8,428,971	4,447,397	633,491	288,023	346,681	105,206	1,005,206	5,718	702,069	52.76
1927	8,667,262	4,587,298	637,044	295,890	346,681	113,205	2,077,473	4,864	704,145	52.93
1928	8,118,091	4,169,163	530,962	299,010	346,681	116,689	2,002,811	4,165	699,621	50.62
Dec 31: 1927	8,619,445	4,379,267	537,970	300,736	346,681	115,251	2,284,097	4,440	701,004	50.81
1928	8,431,099	4,141,421	530,962	304,390	346,681	118,619	2,277,354	3,883	698,782	49.12

¹ Does not include gold bullion and foreign coin outside of the vaults of the Treasury, Federal reserve banks, and Federal reserve agents.

² There has been no fractional currency in actual circulation to any extent since 1878.

³ Silver bullion in Treasury.

Source: Annual Report of the Secretary of the Treasury.

No. 248.—MONEY IN CIRCULATION, HELD IN TREASURY AND IN FEDERAL RESERVE SYSTEM, AND TOTAL STOCK, JUNE 30

NOTE.—All figures except per capita in thousands of dollars. In conformity with revisions in the form of circulation statement in 1922 and 1927, figures for 1915 on have been compiled to include in the holdings of Federal reserve banks and agents, and, hence, in stock of money, gold bullion and foreign coin held by them and gold coin and bullion held abroad for the account of Federal reserve banks, and also to include in the holdings of Federal reserve banks and agents, and, hence, exclude from circulation, all forms of money held by them whether as reserve against Federal reserve notes or otherwise. As to other revisions, see headnote, Table 247. Per capita figures are on basis of population estimates of the Treasury Department

June 30— (except as indicated)	Stock of money in the United States	Money held in the Treasury					Money outside of the Treasury		
		Total	In trust against gold and silver certifi- cates ¹	Reserve against United States notes ¹	Held for Federal reserve banks and agents	All other money	Held by Federal reserve banks and agents	In circulation	
								Amount	Per capita (dol- lars)
1800	28,000	1,500	---	---	---	1,600	26,500	4.99	
1810	58,000	3,000	---	---	---	3,000	55,000	7.60	
1820	99,100	2,000	---	---	---	2,000	97,100	9.96	
1830	93,100	5,756	---	---	---	5,756	87,344	6.78	
1840	189,969	3,664	---	---	---	3,664	186,305	10.91	
1850	285,367	6,005	---	---	---	6,005	279,362	12.02	
1860	442,102	6,695	---	---	---	6,695	435,407	18.85	
1865	1,180,197	96,657	---	---	---	96,657	1,083,541	31.18	
1870	809,876	156,994	32,085	---	---	124,910	774,966	20.10	
1875	925,702	109,461	17,549	---	---	91,912	833,790	19.97	
1880	1,185,550	225,022	13,753	100,000	---	112,168	973,382	19.41	
1885	1,537,434	473,120	228,261	100,000	---	144,865	1,292,569	23.02	
1886	1,561,408	472,868	104,161	100,000	---	208,707	1,252,701	21.82	
1887	1,633,413	549,217	233,343	100,000	---	215,874	1,317,539	22.45	
1888	1,691,441	641,124	321,854	100,000	---	219,270	1,372,171	22.88	
1889	1,658,072	652,597	374,286	100,000	---	178,311	1,380,362	22.52	
1890	1,685,123	684,259	428,387	100,000	---	155,872	1,429,251	22.82	
1891	1,677,794	648,001	467,648	100,000	---	80,353	1,497,441	23.45	
1892	1,752,219	716,918	566,046	100,000	---	50,872	1,601,347	24.60	
1893	1,738,808	702,429	560,322	96,520	---	45,587	1,590,701	24.07	
1894	1,805,079	672,282	528,012	64,977	---	70,294	1,660,809	24.59	
1895	1,819,360	701,339	483,947	100,000	---	117,391	1,601,968	23.24	
1896	1,799,975	761,441	467,901	100,000	---	193,540	1,506,435	21.44	
1897	1,906,770	744,391	478,604	100,000	---	165,787	1,640,983	22.02	
1898	2,073,574	759,959	524,245	100,000	---	135,715	1,837,860	25.10	
1899	2,190,094	813,376	527,354	100,000	---	180,022	1,904,072	25.62	
1900	2,366,220	969,492	684,503	150,000	---	134,090	2,031,231	27.28	
1901	2,511,472	1,032,479	724,204	150,000	---	168,274	2,203,198	28.34	
1902	2,593,910	1,097,555	782,759	150,000	---	104,796	2,279,114	28.81	
1903	2,717,646	1,168,982	851,008	150,000	---	167,914	2,399,732	29.82	
1904	2,838,023	1,224,813	939,696	150,000	---	135,117	2,552,906	31.18	
1905	2,919,494	1,245,501	949,347	150,000	---	146,153	2,623,340	31.61	
1906	3,109,380	1,330,109	995,419	150,000	---	184,690	2,774,690	32.77	
1907	3,158,111	1,420,507	1,076,259	150,000	---	194,247	2,813,863	32.99	
1908	3,423,068	1,597,132	1,253,219	150,000	---	198,913	3,070,155	35.19	
1909	3,451,521	1,599,621	1,296,926	150,000	---	162,695	3,148,826	35.41	
1910	3,466,856	1,603,186	1,285,014	150,000	---	168,172	3,148,684	34.84	
1911	3,606,989	1,731,084	1,387,149	150,000	---	193,936	3,293,053	34.72	
1912	3,701,965	1,782,320	1,415,576	150,000	---	216,744	3,335,220	34.87	
1913	3,777,021	1,834,112	1,476,783	150,000	---	208,329	3,418,692	35.12	
1914	3,797,825	1,845,570	1,507,179	150,000	---	188,391	3,459,434	34.93	
1915	4,050,783	1,967,065	1,619,429	152,977	---	195,259	3,819,522	32.96	
1916	4,541,730	2,356,536	2,057,409	152,979	---	146,147	3,049,258	35.63	
1917	5,076,599	2,859,396	2,063,391	152,979	526,295	116,731	3,116,365	39.02	
1918	6,906,222	2,976,251	1,407,694	152,979	1,205,082	210,496	4,813,682	42.33	
1919	7,688,413	2,907,812	906,673	152,979	1,416,086	432,074	5,810,636	46.95	
1920	8,158,490	2,379,664	704,638	152,979	1,184,276	337,771	6,115,881	51.38	
1921	8,174,528	2,921,089	919,043	152,979	1,537,857	310,610	6,292,089	46.44	
1922	8,276,070	3,515,583	1,000,878	152,979	2,108,887	283,139	6,192,803	40.67	
1923	8,702,783	3,821,840	1,150,168	152,979	2,285,170	233,529	6,207,830	43.35	
1924	8,846,542	4,248,438	1,628,139	152,979	2,260,891	206,429	6,376,935	43.03	
1925	8,303,632	4,176,381	2,059,799	163,621	1,752,744	210,217	5,371,841	42.20	
1926	8,428,071	4,210,358	2,139,779	154,189	1,717,348	199,050	5,473,118	42.90	
1927	8,687,282	4,169,056	2,096,205	155,421	1,712,003	196,427	5,763,110	41.43	
1928	8,118,091	3,725,650	1,986,761	156,039	1,387,650	195,199	5,582,576	40.52	
Dec. 31:									
1927	8,619,445	4,011,867	2,090,894	155,421	1,556,510	209,072	5,002,956	42.52	
1928	8,431,000	3,713,243	1,888,698	156,039	1,443,961	219,545	5,633,386	41.70	

¹ Both of these items include also reserve against Treasury notes of 1890. The first should be deducted from the totals for money held in the Treasury before combining them with total money outside of the Treasury to arrive at the stock of money in the United States.

² Includes total stock of silver dollars and subsidiary silver.

Source: Annual Report of the Secretary of the Treasury.

No. 249.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF ASSETS

[All figures in thousands of dollars]

Bank and date	Total assets	Reserves		Total (including minor items not shown)	Bills and securities				
		Total	Gold		Bills discounted		Bills bought in open market	United States securities	
					Total	Secured by U. S. Govt. obligations			
All banks:									
Dec. 30, 1915	666,650	2,555,935	542,413	83,398	32,368			23,013	15,767
Dec. 30, 1920	6,269,517	2,240,163	2,050,338	3,263,027	2,716,134	1,141,030		255,702	286,101
Dec. 28, 1921	5,151,866	2,992,200	2,809,600	1,535,861	1,179,533	487,193		114,240	241,444
Dec. 27, 1922	5,305,411	3,148,837	3,040,439	1,334,101	623,835	316,495		246,293	457,883
Dec. 26, 1923	5,159,377	3,137,515	3,071,067	1,297,775	857,151	441,842		336,415	104,156
Dec. 31, 1924	5,696,380	3,047,054	2,936,533	1,240,438	314,128	186,840		387,100	540,160
Dec. 30, 1925	5,183,158	2,822,133	2,704,231	1,500,827	740,672	406,014		362,818	377,032
Dec. 29, 1926	5,224,133	2,944,215	2,814,811	1,400,529	710,031	353,388		378,798	317,264
June 29, 1927	5,660,267	3,183,869	3,020,510	1,071,130	477,311	274,581		216,113	376,461
Dec. 28, 1927	5,333,539	2,862,196	2,730,100	1,598,842	600,209	410,174		385,627	693,126
June 27, 1928	4,963,462	2,738,462	2,583,310	1,407,733	1,031,874	701,618		223,432	211,937
Dec. 26, 1928	5,443,401	2,658,827	2,584,239	1,809,312	1,167,679	713,769		480,270	232,328
Boston:									
Dec. 30, 1925	414,655	165,173	165,664	150,395	55,595	24,320		81,381	12,820
Dec. 20, 1926	396,214	187,718	172,540	126,953	70,022	61,025		60,011	10,620
Dec. 28, 1927	401,256	195,837	183,888	124,817	40,903	21,361		48,738	35,110
Dec. 26, 1928	417,107	184,729	169,132	140,404	91,047	42,169		49,234	5,173
New York:									
Dec. 30, 1925	1,530,330	608,813	642,738	305,136	294,975	254,460		37,090	60,934
Dec. 29, 1926	1,650,019	1,082,219	1,000,019	350,793	173,655	123,873		100,045	66,063
Dec. 28, 1927	1,643,939	834,319	802,128	523,067	263,437	167,994		96,931	168,679
Dec. 26, 1928	1,630,366	805,507	787,031	602,020	387,841	253,810		160,387	54,792
Philadelphia:									
Dec. 30, 1925	387,403	217,293	212,572	101,323	58,112	37,386		15,345	24,063
Dec. 29, 1926	371,605	194,133	183,972	110,343	62,226	42,090		26,040	20,077
Dec. 28, 1927	380,010	172,514	166,715	143,872	55,820	43,325		45,269	45,064
Dec. 26, 1928	387,317	190,636	187,095	133,263	66,364	47,323		15,972	21,447
Cleveland:									
Dec. 30, 1925	497,691	305,193	260,094	111,215	68,940	33,556		4,999	36,409
Dec. 29, 1926	511,787	259,310	248,332	167,378	97,147	63,240		34,488	35,743
Dec. 28, 1927	519,414	284,962	274,236	161,877	70,672	68,145		19,794	61,511
Dec. 26, 1928	523,137	247,933	238,071	197,301	112,640	75,745		51,699	32,662
Richmond:									
Dec. 30, 1925	245,797	106,077	99,789	61,666	49,517	16,893		2,716	8,944
Dec. 29, 1926	231,160	115,232	108,597	46,660	25,278	6,596		13,147	7,235
Dec. 28, 1927	227,673	71,821	65,562	39,440	28,636	9,022		48,352	12,452
Dec. 26, 1928	236,512	96,324	91,079	69,074	40,517	18,971		25,130	8,427
Atlanta:									
Dec. 30, 1925	295,950	126,771	119,923	123,390	20,120	4,764		70,645	17,657
Dec. 29, 1926	283,720	175,498	165,923	97,736	42,759	2,870		23,205	1,772
Dec. 28, 1927	292,475	176,177	163,861	48,769	32,685	9,482		2,251	13,673
Dec. 26, 1928	248,366	119,370	110,885	95,812	59,832	16,952		30,645	5,285
Chicago:									
Dec. 30, 1925	626,788	321,491	304,090	201,680	119,777	70,763		27,420	53,565
Dec. 29, 1926	713,086	397,141	345,033	234,868	136,631	73,646		50,111	48,123
Dec. 28, 1927	730,093	433,551	422,990	213,826	61,759	37,909		64,200	67,658
Dec. 26, 1928	825,885	443,669	434,561	278,064	201,760	134,274		40,205	36,690
St. Louis:									
Dec. 30, 1925	174,890	63,255	52,887	37,227	20,321	8,738		22,180	24,347
Dec. 29, 1926	182,637	75,302	61,542	60,800	32,516	16,278		7,730	20,644
Dec. 28, 1927	200,652	90,111	77,431	62,707	19,585	12,476		4,959	38,163
Dec. 26, 1928	199,807	85,338	71,567	75,872	43,177	25,948		11,653	21,042
Minneapolis:									
Dec. 30, 1925	149,524	60,523	54,709	41,708	3,545	769		18,793	19,078
Dec. 29, 1926	145,857	80,835	87,440	35,278	4,800	624		13,931	16,761
Dec. 28, 1927	144,185	77,985	74,235	44,020	2,234	484		17,872	23,960
Dec. 26, 1928	145,172	77,033	75,123	47,925	13,201	10,689		21,932	10,907
Kansas City:									
Dec. 30, 1925	221,812	93,619	94,341	70,620	15,939	4,042		16,816	37,447
Dec. 29, 1926	214,163	104,677	99,630	58,181	11,234	4,104		13,223	28,004
Dec. 28, 1927	214,231	101,817	96,373	62,334	15,920	9,230		8,072	38,342
Dec. 26, 1928	220,314	110,449	106,503	61,755	48,533	23,254		1,209	10,513
Dallas:									
Dec. 30, 1925	154,534	51,440	51,044	64,592	3,861	1,724		28,617	31,830
Dec. 29, 1926	152,920	78,370	70,559	43,536	5,555	2,262		15,669	22,312
Dec. 28, 1927	190,458	69,829	59,097	66,969	2,531	1,601		22,636	31,693
Dec. 26, 1928	166,005	76,370	70,271	66,087	15,660	12,539		24,659	9,958
San Francisco:									
Dec. 30, 1925	443,104	285,150	278,337	111,909	20,964	8,504		81,440	49,938
Dec. 29, 1926	435,669	264,075	257,213	113,913	48,143	10,971		31,023	39,757
Dec. 28, 1927	424,955	300,183	292,323	71,518	14,958	8,765		10,485	46,075
Dec. 26, 1928	433,474	253,169	244,031	131,545	56,108	23,571		53,085	17,162

Source: Federal Reserve Board.

No. 250.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF LIABILITIES

[All figures except reserve percentage in thousands of dollars]

Bank and date	Capital	Surplus	Deposit liability		Federal reserve note circulation	Federal reserve bank notes, net liability	Reserve percentage
			Not ¹	Members' reserve			
All banks:							
Dec. 30, 1915.....	54,913		394,245	(?)	180,026		95.8
Dec. 30, 1920.....	96,770	164,745	1,604,190	1,748,979	3,344,686	216,960	45.4
Dec. 28, 1921.....	103,180	213,824	1,764,524	1,066,018	2,443,497	84,548	71.1
Dec. 27, 1922.....	107,256	218,398	1,906,255	1,861,261	2,464,121	10,632	72.1
Dec. 26, 1923.....	110,103	218,369	1,937,839	1,874,486	2,340,375	470	73.8
Dec. 31, 1924.....	112,038	217,837	2,310,038	2,220,436	1,862,032		73.0
Dec. 30, 1925.....	117,042	217,837	2,357,141	2,308,614	1,835,010		67.3
Dec. 29, 1926.....	124,324	220,310	2,345,738	2,264,144	1,857,015		70.1
June 28, 1927.....	120,424	228,775	2,348,952	2,341,619	1,702,693		77.6
Dec. 28, 1927.....	132,460	228,775	2,473,276	2,431,845	1,813,198		66.8
June 27, 1928.....	140,318	233,310	2,381,800	2,344,709	1,604,035		68.7
Dec. 26, 1928.....	140,868	233,310	2,455,093	2,409,195	1,910,838		61.0
Boston:							
Dec. 30, 1925.....	8,611	16,382	146,005	144,070	175,900		57.5
Dec. 29, 1926.....	8,830	17,020	147,800	144,306	155,307		61.9
Dec. 28, 1927.....	9,412	17,606	156,305	155,103	151,097		63.5
Dec. 25, 1928.....	10,160	17,303	162,800	152,061	167,041		57.8
New York:							
Dec. 30, 1925.....	32,207	58,749	948,442	932,274	384,682		72.7
Dec. 29, 1926.....	36,449	59,964	928,491	886,285	408,021		77.2
Dec. 28, 1927.....	40,310	61,614	965,652	983,668	377,204		64.4
Dec. 26, 1928.....	50,008	63,007	979,274	957,831	364,133		60.0
Philadelphia:							
Dec. 30, 1925.....	11,623	20,059	138,227	135,545	156,439		73.7
Dec. 29, 1926.....	12,005	20,464	142,408	138,862	138,040		69.5
Dec. 25, 1927.....	13,237	21,267	143,614	141,483	146,469		59.5
Dec. 26, 1928.....	14,536	21,662	137,853	130,328	157,257		64.6
Cleveland:							
Dec. 30, 1925.....	13,176	22,462	168,001	165,200	234,403		75.0
Dec. 29, 1926.....	13,618	22,394	183,524	180,034	225,601		63.4
Dec. 28, 1927.....	13,979	23,746	188,062	186,300	226,939		68.8
Dec. 26, 1928.....	14,422	24,021	187,900	186,171	230,145		59.1
Richmond:							
Dec. 30, 1925.....	5,685	11,701	70,469	68,385	98,482		64.7
Dec. 29, 1926.....	6,094	11,919	69,373	67,866	86,278		74.1
Dec. 28, 1927.....	6,253	12,198	74,347	73,190	80,263		46.5
Dec. 26, 1928.....	6,124	12,324	69,788	69,007	89,520		60.8
Atlanta:							
Dec. 30, 1925.....	4,667	8,650	83,772	82,476	169,982		50.0
Dec. 29, 1926.....	6,020	8,700	72,694	69,036	167,237		73.1
Dec. 28, 1927.....	5,145	9,632	72,608	69,200	147,230		79.0
Dec. 26, 1928.....	5,231	9,096	68,310	67,562	139,247		57.5
Chicago:							
Dec. 30, 1925.....	15,731	30,426	327,041	324,211	179,712		63.4
Dec. 29, 1926.....	10,720	30,613	334,081	328,171	250,556		62.8
Dec. 28, 1927.....	17,066	31,881	351,026	346,555	271,754		70.3
Dec. 26, 1928.....	18,478	32,778	359,407	356,753	331,855		64.1
St. Louis:							
Dec. 30, 1925.....	5,127	9,971	84,259	81,166	40,302		50.8
Dec. 29, 1926.....	5,263	9,570	83,284	80,588	48,046		57.3
Dec. 28, 1927.....	5,341	9,939	88,528	86,445	57,536		61.7
Dec. 26, 1928.....	5,407	10,397	86,559	84,420	65,747		56.4
Minneapolis:							
Dec. 30, 1925.....	3,183	7,497	55,891	54,213	70,007		69.0
Dec. 29, 1926.....	3,070	7,501	52,566	51,022	69,302		74.3
Dec. 28, 1927.....	3,010	7,627	67,228	65,712	81,526		65.7
Dec. 26, 1928.....	3,009	7,089	55,410	53,001	66,374		63.3
Kansas City:							
Dec. 30, 1925.....	4,237	8,977	94,639	92,028	74,153		53.4
Dec. 29, 1926.....	4,197	8,979	88,265	86,369	72,300		64.9
Dec. 28, 1927.....	4,234	9,029	93,782	91,012	68,045		62.9
Dec. 26, 1928.....	4,217	9,046	94,238	93,446	72,332		66.3
Dallas:							
Dec. 30, 1925.....	4,267	7,692	65,273	63,354	47,462		51.0
Dec. 29, 1926.....	4,302	7,615	62,207	63,914	49,293		70.3
Dec. 28, 1927.....	4,272	8,215	69,840	68,312	48,789		58.0
Dec. 26, 1928.....	4,339	8,527	72,473	71,393	50,594		61.2
San Francisco:							
Dec. 30, 1925.....	8,238	15,071	174,042	166,092	208,334		74.6
Dec. 29, 1926.....	8,666	15,071	180,884	173,171	187,211		71.7
Dec. 28, 1927.....	9,302	16,121	180,589	173,005	179,746		84.0
Dec. 26, 1928.....	10,867	16,629	192,081	179,946	173,593		68.7

¹ Figures represent total deposits beginning June, 1921.

² Not reported separately in 1915.

Source: Federal Reserve Board.

No. 251.—FEDERAL RESERVE BANKS: DISCOUNT AND OPEN-MARKET OPERATIONS

NOTE.—All figures in thousands of dollars. These figures represent the aggregate of transactions during the course of each year. For amounts held at specified dates see Table 253, 254, and 255

Year and bank	Total	Bills discounted for member banks ¹					Trade acceptances
		Total	Member bank collateral notes	Commercial, agricultural, and live-stock paper, <small>U. S. S.</small>	Demand and sight drafts	Bankers' acceptances	
ALL F. R. BANKS							
1919.....	56,737,007	76,173,070	72,548,008	6,415,890	-----	71,043	138,420
1920.....	66,527,548	85,320,874	55,565,447	20,376,108	-----	187,162	192,157
1921.....	63,141,608	57,759,123	31,220,142	20,343,947	-----	57,006	128,944
1922.....	23,543,552	22,082,887	15,688,483	6,351,716	-----	8,410	44,272
1923.....	44,428,375	38,370,926	29,016,368	8,340,076	67,467	3,632	51,393
1924.....	19,863,473	15,410,155	12,466,575	2,877,127	46,621	607	38,325
1925.....	37,801,855	32,562,620	30,028,404	1,580,562	23,850	50	23,688
1926.....	43,074,874	37,082,137	35,696,951	1,651,989	12,670	175	20,316
1927.....	22,355,329	31,934,607	30,576,457	1,232,964	9,075	214	15,897
1928.....	70,910,325	62,412,981	60,568,391	1,775,062	24,363	144	14,211
Boston.....	5,147,426	4,284,602	4,224,180	50,720	-----	-----	690
New York.....	26,711,290	24,791,839	24,633,857	150,922	-----	23	2,037
Philadelphia.....	5,268,777	4,630,666	4,871,195	97,426	-----	-----	1,042
Cleveland.....	6,390,378	5,068,549	5,930,840	124,037	-----	-----	3,059
Richmond.....	3,964,489	3,840,120	3,702,831	136,190	-----	-----	1,099
Atlanta.....	1,484,175	1,320,634	1,014,623	305,093	2,773	-----	4,072
Chicago.....	6,701,010	5,928,134	5,338,774	538,704	-----	41	615
St. Louis.....	3,117,856	3,002,246	2,832,006	164,856	4,425	-----	860
Minneapolis.....	765,048	625,358	590,902	25,456	-----	-----	-----
Kansas City.....	1,546,741	1,359,337	1,285,896	73,423	-----	5	-----
Dallas.....	958,133	737,051	671,685	48,021	-----	17,534	361
San Francisco.....	5,914,003	5,488,828	5,437,769	60,675	-----	63	351

Year and bank	Acceptances purchased in open market			United States securities purchased in open market			Other securities ⁴	
	Total ¹	Bought outright ²		Total	Bought outright ³			Bought with resale agreement ³
		Bankers	Trade		Bonds	Treasury notes and certificates		
ALL F. R. BANKS								
1919.....	2,826,177	2,788,619	35,558	4,737,920	1,757	4,736,163	-----	
1920.....	3,213,364	3,145,737	74,027	7,988,310	332	7,987,978	-----	
1921.....	1,534,401	1,527,255	7,106	3,847,094	38,532	3,808,562	985	
1922.....	1,954,583	1,948,379	6,309	4,505,801	360,156	4,155,605	-----	
1923.....	2,647,010	2,536,470	13,540	5,500,903	62,837	2,354,100	1,033,960	
1924.....	2,172,142	2,159,862	8,452	2,297,018	118,312	1,012,002	226,614	
1925.....	2,061,179	2,051,920	4,795	2,317,082	28,037	1,675,090	763,546	
1926.....	3,353,323	1,698,961	6,501	2,008,045	137,162	2,051,191	419,692	
1927.....	4,050,867	1,702,316	4,811	2,251,162	6,356,134	5,169,618	740,379	
1928.....	4,240,669	3,061,223	3,744	2,132,035	4,238,790	3,118,533	1,071,344	
Boston.....	748,364	372,142	-----	114,460	3,037	101,139	10,284	
New York.....	2,013,463	47,206	3,744	2,897,047	7,497	2,113,644	776,605	
Philadelphia.....	139,321	159,702	-----	90,036	3,445	95,590	255	
Cleveland.....	195,413	143,812	-----	136,719	3,904	133,115	-----	
Richmond.....	103,311	103,247	-----	21,038	-----	20,804	-----	
Atlanta.....	96,854	86,802	-----	60,687	7,553	45,186	7,948	
Chicago.....	324,633	219,361	105,048	448,263	11,401	247,332	189,530	
St. Louis.....	36,232	33,148	-----	70,468	2,548	77,060	-----	
Minneapolis.....	69,343	69,309	-----	67,297	1,120	66,177	3,050	
Kansas City.....	71,698	60,423	-----	114,236	2,621	56,765	64,850	
Dallas.....	114,054	80,617	-----	96,318	2,933	61,259	32,126	
San Francisco.....	321,933	188,463	-----	133,401	2,600	101,062	250	

¹ Includes bills discounted for Federal intermediate credit banks, 1923 to 1928, and also bills secured by adjusted service certificates discounted for nonmember banks, 1927 and 1928. For amounts see headnote, table 252.

² Includes bills payable in foreign currencies in addition to amounts shown in following columns.

³ "Bought outright" includes "bills bought with resale agreement" where separate figures are not shown. The latter represent bills bought with the agreement that other banks will repurchase them in 15 days.

⁴ Includes special temporary certificates issued to Federal reserve banks by the Secretary of the Treasury; also prior to 1923 securities, if any, purchased from other Federal reserve banks.

⁵ Figures for 1923 and prior years represent municipal warrants; thereafter, they include also foreign loans on gold, Federal intermediate credit bank debentures, and Federal land bank bonds.

Source: Federal Reserve Board.

No. 252.—FEDERAL RESERVE BANKS: BILLS DISCOUNTED FOR MEMBER BANKS

NOTE.—All figures in thousands of dollars. These figures represent the aggregate of transactions during each year, whether in shorter or longer term paper, not holdings at a specified date. Figures include bills discounted for Federal intermediate credit banks, as follows: 1923, \$2,250,000; 1924, \$1,100,000; 1925, \$4,406,000; 1926, \$10,501,000; 1927, \$9,322,100; and 1928, \$23,103,000; also includes bills secured by adjusted service certificates discounted for nonmember banks, as follows: 1927, \$604,000, and 1928, \$183,000

State and division	1922	1923	1924	—1925	1926	1927	1928
United States.....	22, 082, 687	33, 379, 926	15, 419, 156	32, 562, 620	37, 682, 137	31, 584, 607	32, 412, 951
New England.....	2, 276, 633	3, 605, 259	828, 786	2, 074, 149	2, 752, 030	2, 143, 661	4, 327, 748
Maine.....	42, 621	49, 002	42, 267	42, 347	33, 826	33, 903	30, 762
New Hampshire.....	40, 246	60, 722	42, 453	42, 577	41, 460	28, 058	36, 227
Vermont.....	21, 400	27, 118	18, 024	18, 158	19, 566	14, 537	18, 507
Massachusetts.....	2, 008, 564	3, 395, 562	646, 969	1, 872, 751	2, 657, 919	1, 915, 716	3, 959, 401
Rhode Island.....	16, 392	30, 023	16, 117	20, 600	21, 810	36, 278	173, 006
Connecticut.....	37, 491	102, 832	63, 955	71, 710	108, 056	114, 469	141, 750
Middle Atlantic.....	12, 422, 245	22, 265, 677	9, 070, 020	21, 989, 527	22, 163, 150	18, 834, 085	34, 069, 580
New York.....	8, 837, 014	17, 408, 097	6, 653, 107	16, 522, 007	16, 288, 423	13, 035, 021	23, 110, 181
New Jersey.....	505, 559	738, 692	525, 775	699, 994	1, 099, 779	944, 487	1, 852, 948
Pennsylvania.....	3, 078, 672	4, 118, 888	1, 888, 144	3, 843, 936	4, 774, 943	4, 854, 527	9, 136, 831
East North Central.....	2, 156, 040	3, 352, 186	1, 478, 254	3, 139, 845	4, 071, 183	3, 911, 843	7, 581, 016
Ohio.....	669, 974	933, 010	489, 091	1, 083, 257	1, 089, 126	823, 876	1, 023, 821
Indiana.....	187, 255	221, 529	112, 549	108, 387	148, 441	90, 615	143, 194
Illinois.....	694, 581	1, 328, 285	402, 748	885, 176	1, 385, 029	1, 457, 284	3, 774, 914
Michigan.....	540, 791	783, 076	378, 601	945, 331	1, 213, 003	1, 041, 452	1, 733, 481
Wisconsin.....	93, 439	144, 766	94, 066	114, 791	226, 568	198, 716	305, 696
West North Central.....	749, 019	1, 772, 372	563, 396	650, 097	1, 608, 967	1, 230, 429	3, 226, 262
Minnesota.....	97, 467	232, 159	64, 935	73, 993	203, 957	124, 494	610, 177
Iowa.....	198, 467	181, 366	123, 630	83, 667	68, 190	45, 206	69, 374
Missouri.....	230, 098	1, 113, 523	279, 934	420, 014	1, 070, 595	934, 194	2, 320, 980
North Dakota.....	20, 768	14, 270	12, 030	8, 430	4, 915	6, 004	4, 914
South Dakota.....	27, 885	19, 694	13, 448	8, 319	6, 112	4, 726	1, 968
Nebraska.....	85, 134	173, 438	50, 305	69, 963	122, 761	87, 006	156, 772
Kansas.....	30, 200	32, 920	20, 994	16, 373	23, 072	23, 789	62, 137
South Atlantic.....	1, 651, 636	3, 237, 805	1, 594, 051	2, 518, 514	3, 069, 281	1, 660, 184	4, 434, 779
Delaware.....	16, 731	11, 678	5, 976	8, 073	11, 550	11, 509	31, 553
Maryland.....	260, 005	435, 142	169, 308	410, 487	517, 286	537, 082	1, 214, 378
District of Columbia.....	284, 791	619, 041	105, 456	120, 563	177, 171	67, 324	298, 365
Virginia.....	626, 888	1, 235, 751	507, 935	785, 992	1, 079, 021	896, 769	1, 608, 332
West Virginia.....	124, 432	206, 366	269, 940	261, 272	207, 127	167, 664	126, 060
North Carolina.....	131, 470	368, 458	308, 177	733, 970	713, 093	81, 116	576, 416
South Carolina.....	102, 574	46, 491	55, 981	87, 007	72, 292	38, 889	52, 632
Georgia.....	157, 386	210, 443	161, 000	192, 591	241, 522	98, 951	468, 083
Florida.....	37, 469	70, 005	23, 218	2, 941	45, 219	41, 200	64, 364
East South Central.....	630, 628	1, 067, 396	464, 661	427, 931	871, 400	662, 179	1, 566, 019
Kentucky.....	446, 561	746, 637	186, 961	250, 809	539, 986	445, 376	1, 113, 998
Tennessee.....	150, 636	229, 722	200, 016	114, 038	231, 220	166, 087	188, 336
Alabama.....	61, 332	65, 377	48, 680	47, 733	76, 144	60, 804	236, 666
Mississippi.....	22, 117	26, 760	28, 966	4, 451	24, 094	22, 515	32, 113
West South Central.....	477, 028	691, 458	436, 779	493, 200	679, 517	700, 876	1, 412, 498
Arkansas.....	74, 450	87, 571	73, 260	69, 635	111, 101	50, 161	208, 778
Louisiana.....	153, 952	275, 523	194, 608	228, 025	324, 763	350, 233	432, 407
Oklahoma.....	56, 677	60, 393	37, 621	17, 349	32, 163	20, 200	51, 590
Texas.....	192, 010	267, 971	131, 260	114, 191	211, 510	267, 910	719, 743
Mountain.....	426, 817	846, 847	164, 451	163, 682	174, 518	222, 870	461, 661
Montana.....	28, 370	17, 097	7, 473	1, 792	2, 107	1, 603	2, 542
Idaho.....	211, 076	127, 064	76, 410	35, 689	12, 566	13, 250	3, 550
Wyoming.....	8, 956	5, 041	4, 637	4, 384	787	603	653
Colorado.....	77, 258	139, 377	35, 445	2, 427	110, 679	129, 651	301, 670
New Mexico.....	14, 471	15, 056	6, 951	2, 499	1, 019	2, 039	1, 197
Arizona.....	17, 758	6, 337	2, 196	2, 309	4, 098	3, 387	638
Utah.....	68, 666	35, 792	22, 293	62, 091	42, 793	71, 500	151, 586
Nevada.....	263	283	37	80			
Pacific.....	1, 241, 873	1, 940, 926	828, 752	2, 062, 925	2, 361, 572	2, 839, 453	5, 333, 000
Washington.....	75, 274	122, 584	71, 349	151, 109	152, 648	184, 194	621, 282
Oregon.....	69, 387	107, 644	63, 468	84, 381	109, 768	61, 240	121, 522
California.....	1, 107, 212	1, 710, 698	693, 935	1, 827, 435	2, 099, 266	2, 623, 010	4, 690, 456

Source: Federal Reserve Board.

No. 253.—FEDERAL RESERVE BANKS: HOLDINGS OF ACCEPTANCES BOUGHT IN OPEN MARKET AND FROM OTHER FEDERAL RESERVE BANKS, AS OF DECEMBER 31

NOTE.—All figures in thousands of dollars. "All other bankers' acceptances" includes bills payable in foreign currencies in 1924 to 1928

Bank and year	Total	Bankers' acceptances, based on—						Trade acceptances, total
		Total	Imports	Exports	Goods stored abroad or in transit	Domestic transactions	Dollar exchange	
All F. R. banks:								
1919	574,103	500,809						7,784
1920	200,406	258,878						1,528
1921	145,263	145,045			99,010	33,902	11,164	218
1922	272,123	270,944			194,771	65,280	9,743	1,150
1923	354,637	351,974			240,808	90,445	20,452	200
1924	387,100	386,873			284,020	94,550	6,882	815
1925	374,366	373,139			301,191	63,840	6,112	1,990
1926	380,986	370,728	181,997	120,635	37,714	77,608	8,434	3,040
1927	392,039	391,337	84,024	118,210	31,242	95,705	6,195	5,271
1928	489,089	488,532	108,431	131,898	143,123	90,004	8,707	6,221
Boston	54,019	54,010	14,874	12,854	14,405	11,056	784	550
New York	152,413	161,870	30,224	39,410	48,350	27,730	4,494	1,012
Philadelphia	16,234	16,234	2,435	4,081	2,002	5,358	149	339
Cleveland	52,877	52,377	14,314	14,704	10,474	8,237	1,332	310
Richmond	24,369	24,369	3,603	4,872	6,016	6,016	648	601
Atlanta	32,002	32,002	10,263	7,470	8,768	4,020	75	477
Chicago	39,078	39,078	9,648	12,507	9,159	7,189	503	172
St. Louis	11,836	11,335	2,110	2,349	5,077	7,706	110	483
Minneapolis	21,820	21,820	6,166	6,088	5,544	3,713	250	69
Kansas City	96	96	0	20	27			37
Dallas	25,420	25,420	5,517	10,257	6,120	9,385	105	38
San Francisco	59,300	59,306	0,125	5,356	17,675	15,295	302	1,498

No. 254.—FEDERAL RESERVE BANKS: HOLDINGS OF UNITED STATES SECURITIES, AS OF DECEMBER 31

NOTE.—All figures in millions and tenths of millions of dollars. Certificates include Pittman Act certificates as follows: 1919 and 1920, \$256,400,000; 1921, \$113,000,000

Bank and year	Total	Bonds	Notes	Certificates	Bank and year	Total	Bonds	Notes	Certificates
All F. R. banks:					Atlanta:				
1919	300.1	26.8	0.1	273.2	1920	1.0	0.4	1.5	
1920	287.0	23.3	1	200.6	1927	13.6	6.0	9	6.7
1921	234.1	33.0	17.6	183.5	1928	7.3	1.6	4.3	1.4
1922	436.2	28.9	180.4	226.9	Chicago:				
1923	183.6	29.5	87.0	17.1	1920	48.8	20.5	5.5	22.8
1924	540.2	75.3	849.4	115.5	1927	90.0	48.9	8.1	33.0
1925	374.6	60.8	187.1	120.7	1928	35.9	10.9	6.2	9.7
1926	314.8	48.0	87.4	179.5	St. Louis:				
1927	618.5	291.0	83.9	250.7	1926	21.1	2.0	7.0	12.1
1928	228.1	53.9	106.0	68.2	1927	38.2	18.9	7.4	11.9
					1928	21.0	7.1	11.6	2.4
Boston:					Minneapolis:				
1920	19.2	.5	2.1	7.5	1926	17.0	7.6	1.8	7.6
1927	33.4	15.2	2.5	15.7	1927	23.9	11.7	4.4	7.8
1928	8.2	.7	3.1	4.4	1928	10.9	4.5	4.6	1.8
New York:					Kansas City:				
1920	58.9	1.4	11.6	45.9	1920	29.2	8.8	4.1	16.2
1927	181.5	60.3	21.8	93.4	1927	38.3	21.2	2.7	14.4
1928	49.4	1.4	20.1	27.9	1928	10.5	8.5	.9	1.1
Philadelphia:					Dallas:				
1926	20.2	.6	15.4	4.3	1927	23.3	3.7	3.8	15.8
1927	45.7	17.4	6.4	21.8	1927	32.0	18.1	2.7	11.2
1928	21.4	.6	10.3	10.0	1928	10.0	7.8	2.2	
Cleveland:					San Francisco:				
1920	36.2	1.2	18.3	13.7	1920	40.7	.1	14.9	25.7
1927	61.5	35.0	9.0	17.5	1927	46.1	25.0	2.3	17.8
1928	33.0	.5	28.5	2.0	1928	17.1	.1	13.1	3.9
Richmond:									
1926	7.4	1.2	1.3	5.0					
1927	12.5	6.2	.7	5.5					
1928	3.4	1.2	1.1	1.2					

Source of Tables 253 and 254: Federal Reserve Board.

No. 255.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS BY CLASSES AND MATURITIES

NOTE.—All figures in thousands of dollars. Figures by maturities in certain years are for an earlier date than those by classes and in such cases the totals may differ materially

Bank and date	Total (all classes)	Rediscounted bills				Member bank collateral notes	
		Commercial and agricultural paper, not elsewhere specified	Bankers' acceptances	Trade acceptances	Paper secured by U. S. Government obligations	Secured by U. S. Government obligations	Otherwise secured
All Federal reserve banks:							
Dec. 28, 1917	680,706	309,534	(1)	(1)	182,774	180,647	87,751
Dec. 27, 1918	1,702,958	204,907	(1)	15,985	393,023	1,037,843	21,613
Dec. 26, 1919	2,194,878	627,083	15,470	83,097	352,538	1,157,766	8,255
Dec. 30, 1920	2,149,194	1,521,549	17,218	21,427	271,529	369,610	17,907
Dec. 31, 1921	1,144,340	631,038	338	9,985	41,511	446,722	17,782
Dec. 30, 1922	617,730	270,781	828	4,844	3,618	325,172	10,035
Dec. 31, 1923	723,008	365,810	233	7,042	3,919	349,766	6,292
Dec. 31, 1924	314,128	102,090	-----	3,353	1,276	185,564	21,849
Dec. 31, 1925	636,193	177,311	-----	3,357	1,872	380,270	72,374
Dec. 31, 1926	636,028	170,961	-----	2,812	1,111	304,169	97,575
Dec. 31, 1927	581,503	87,985	-----	1,400	163	417,566	74,539
Dec. 31, 1928	1,056,498	214,986	46	1,645	974	658,242	180,573
Boston	60,244	40,354	-----	74	190	28,626	-----
New York	468,980	15,508	-----	179	-----	349,150	96,145
Philadelphia	84,314	10,176	-----	180	-----	60,548	14,452
Cleveland	92,702	19,296	-----	327	21	60,663	12,995
Richmond	38,561	12,128	-----	63	42	17,036	9,501
Atlanta	41,022	22,473	-----	073	-----	9,398	8,401
Chicago	140,510	58,795	41	127	519	80,353	6,694
St. Louis	55,839	6,452	-----	70	129	20,339	8,545
Minneapolis	4,495	2,013	-----	-----	4	2,228	250
Kansas City	31,143	18,079	-----	-----	-----	7,461	5,613
Dallas	11,161	1,587	-----	-----	-----	9,001	573
San Francisco	37,788	5,124	5	-----	-----	15,043	17,010

Bank and date	Total	Maturity of discounted bills					
		Within 15 days	16 to 30 days	31 to 60 days	61 to 90 days	After 90 days	Average for year ¹
All Federal reserve banks:							
Dec. 30, 1915	32,568	5,220	9,012	9,352	4,694	4,081	-----
Dec. 29, 1916	30,196	9,827	11,794	5,006	2,423	1,046	-----
Dec. 28, 1917	680,706	353,273	57,367	175,006	83,974	8,080	-----
Dec. 27, 1918	1,702,938	1,149,955	266,107	166,876	93,061	26,969	11.81
Dec. 26, 1919	2,194,878	1,484,790	244,890	292,715	152,125	20,368	10.13
Dec. 30, 1920	2,149,194	1,632,855	280,406	330,673	311,619	63,548	13.29
Dec. 28, 1921	1,179,533	708,861	116,690	161,202	181,936	61,044	13.62
Dec. 27, 1922	620,585	439,465	48,600	63,372	50,059	31,550	12.14
Dec. 26, 1923	367,151	612,660	64,310	84,069	66,514	29,598	9.80
Dec. 31, 1924	314,128	241,608	18,335	26,413	17,343	10,434	12.39
Dec. 30, 1925	749,672	616,325	35,813	53,152	33,428	10,961	7.99
Dec. 29, 1926	710,931	575,544	36,865	49,870	37,232	9,414	8.04
Dec. 28, 1927	609,203	587,482	18,330	26,830	18,617	7,888	7.58
Dec. 26, 1928	1,167,879	1,012,681	38,749	69,509	38,616	18,124	6.79
Boston	91,947	87,095	1,282	2,204	1,228	138	5.94
New York	387,841	379,747	2,366	3,143	2,505	206	5.05
Philadelphia	93,204	87,364	3,023	4,571	1,200	66	6.84
Cleveland	112,640	98,814	4,781	5,207	4,124	124	5.40
Richmond	40,517	31,184	3,607	3,571	1,921	144	4.24
Atlanta	59,882	35,407	6,450	9,973	6,452	1,501	21.55
Chicago	201,769	151,244	13,020	22,285	13,251	1,939	12.66
St. Louis	49,177	35,594	1,790	3,861	1,745	187	9.04
Minneapolis	13,201	8,347	147	470	2,362	869	9.08
Kansas City	48,533	31,515	1,148	2,723	2,291	10,859	9.78
Dallas	15,660	14,626	129	503	360	43	10.89
San Francisco	56,103	51,145	607	899	1,027	2,180	5.73

¹ Included with "commercial and agricultural paper, not elsewhere specified."
² Represents average maturity (in days) of all time bills discounted during year.
³ Within 10 days.
⁴ From 11 to 30 days.

Source: Federal Reserve Board.

No. 256.—FEDERAL RESERVE BANKS: DISCOUNT RATES

NOTE.—For rates for 1914-15 see Table 249, Statistical Abstract 1928

Bank and period	Commerical, agricultural, and livestock paper, not elsewhere specified						Agricultural and live-stock paper 90 days to 6 months		Paper within 90 days secured by U. S. Gov't obligations		Trade acceptances within 60 days		Trade acceptances 61 to 90 days		Bankers' acceptances within 3 months		Commodity paper within 90 days	
	Within 30 days		31 to 60 days		61 to 90 days		High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	High	Low	High	Low	High	Low												
Boston:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1917	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1918	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1919	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1920	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1921	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
New York:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3					
1917	4	3	4	4	4	4	5	5	4	3	3	3	3					
1918	4	3	4	4	4	4	5	5	4	3	3	3	3					
1919	4	3	4	4	4	4	5	5	4	3	3	3	3					
1920	4	3	4	4	4	4	5	5	4	3	3	3	3					
1921	4	3	4	4	4	4	5	5	4	3	3	3	3					
Philadelphia:																		
1916	4	3	4	4	4	4	4	4	4	3	3	3	3				3	3
1917	4	3	4	4	4	4	4	4	4	3	3	3	3				3	3
1918	4	3	4	4	4	4	4	4	4	3	3	3	3				3	3
1919	4	3	4	4	4	4	4	4	4	3	3	3	3				3	3
1920	4	3	4	4	4	4	4	4	4	3	3	3	3				3	3
1921	4	3	4	4	4	4	4	4	4	3	3	3	3				3	3
Cleveland:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3					
1917	4	3	4	4	4	4	5	5	4	3	3	3	3					
1918	4	3	4	4	4	4	5	5	4	3	3	3	3					
1919	4	3	4	4	4	4	5	5	4	3	3	3	3					
1920	4	3	4	4	4	4	5	5	4	3	3	3	3					
1921	4	3	4	4	4	4	5	5	4	3	3	3	3					
Richmond:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1917	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1918	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1919	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1920	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1921	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
Atlanta:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1917	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1918	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1919	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1920	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1921	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
Chicago:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3					
1917	4	3	4	4	4	4	5	5	4	3	3	3	3					
1918	4	3	4	4	4	4	5	5	4	3	3	3	3					
1919	4	3	4	4	4	4	5	5	4	3	3	3	3					
1920	4	3	4	4	4	4	5	5	4	3	3	3	3					
1921	4	3	4	4	4	4	5	5	4	3	3	3	3					
St. Louis:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1917	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1918	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1919	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1920	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1921	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
Minneapolis:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1917	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1918	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1919	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1920	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
1921	4	3	4	4	4	4	5	5	4	3	3	3	3				3	3
Kansas City:																		
1916	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1917	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1918	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1919	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1920	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3
1921	4	3	4	4	4	4	5	5	4	3	3	3	3				4	3

For footnotes see p. 255.

No. 256.—FEDERAL RESERVE BANKS: DISCOUNT RATES—Continued

Bank and period	Commercial, agricultural, and livestock paper, not elsewhere specified.						Agricultural and livestock paper 91 days to 6 months		Paper within 90 days secured by U. S. Gov't obligations		Trade acceptances within 60 days ¹		Trade acceptances 61 to 90 days		Bankers' acceptances within 8 months		Commodity paper within 90 days ²	
	Within 30 days		31 to 60 days		61 to 90 days		High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	High	Low	High	Low	High	Low												
Dallas:																		
1916	4	4	4	4	4	4	4½	4½	4	3½	3½	4	4	3½	3½	3	3	
1917	4½	4½	4½	4½	4½	4½	5	5	4	3½	3½	4	4	3½	3½	3	3	
1918	4½	4½	4½	4½	4½	4½	5	5	4½	4½	4½	4½	4½	4½	4½	4	4	
1919	5	5	5	5	5	5	5½	5½	5	4½	4½	5	5	4½	4½	4	4	
1920	6	6	6	6	6	6	6½	6½	6	5	5	6	6	5½	5½	5	5	
1921	7	7	7	7	7	7	7	7	6	5	5	6	6	5½	5½	5	5	
San Francisco:																		
1916	3½	3	4	4	4	4	6	6	5	3	3	3½	3½	3	3	(?)	(?)	
1917	4½	4	4½	4½	4½	4½	5½	5½	4	3	3	3½	3½	3	3	(?)	(?)	
1918	5	4	5	5	5	5	6	6	4½	4½	4½	4½	4½	4	4	4	4	
1919	5	4½	5	5	5	5	6	6	4½	4½	4½	4½	4½	4	4	4	4	
1920	6	5	6	6	6	6	6	6	5	5	5	5	5	4½	4½	4	4	
1921	6	5	6	6	6	6	6	6	5	5	5	5	5	4½	4½	4	4	

RATES IN EFFECT JANUARY 1, 1922, AND CHANGES TO END OF 1922

NOTE.—During these years the same rates applied to all classes of paper, except where otherwise noted. Rates shown on the last date specified remained in force at least to Dec. 31, 1922

Bank and date of change	Rate	Bank and date of change	Rate	Bank and date of change	Rate	Bank and date of change	Rate
Boston:		Philadelphia—		Atlanta—Con.		Kansas City:	
Jan. 1, 1922	4½	Continued.		Aug. 13, 1921	3½	Jan. 1, 1922	5
June 23, 1922	4	Nov. 20, 1925	4	Feb. 11, 1922	4	Aug. 12, 1922	4½
Feb. 23, 1923	4½	Sept. 8, 1927	3½	May 26, 1928	4½	July 1, 1924	4
June 12, 1924	3½	Feb. 16, 1928	4	July 14, 1926	5	July 26, 1927	3½
Nov. 10, 1925	4	May 17, 1928	4½	Chicago:		Feb. 10, 1928	4
Aug. 5, 1927	3½	July 26, 1928	5	Jan. 1, 1922	5	June 7, 1928	4½
Feb. 8, 1928	4	Cleveland:		Mar. 25, 1922	4½	Dallas:	
Apr. 20, 1928	4½	Jan. 1, 1922	5	June 14, 1924	4	Jan. 1, 1922	5
July 19, 1928	5	Feb. 14, 1922	4½	Sept. 7, 1927	3½	Jan. 9, 1922	5½
New York:		June 2, 1924	4	Jan. 26, 1928	4	July 12, 1922	4½
Jan. 1, 1922	4½	Aug. 15, 1924	3½	Apr. 20, 1928	4½	July 16, 1924	4
June 22, 1922	4	Nov. 17, 1925	4	July 1, 1928	5	Aug. 12, 1927	3½
Feb. 23, 1923	4½	Aug. 6, 1927	3½	St. Louis:		Feb. 8, 1928	4
May 1, 1924	4	Mar. 1, 1928	4	Jan. 1, 1922	5	May 7, 1928	4½
June 12, 1924	3½	May 25, 1928	4½	Apr. 6, 1922	4½	San Francisco:	
Aug. 8, 1924	3	Aug. 1, 1928	5	June 19, 1924	4	Jan. 1, 1922	5
Feb. 27, 1925	3½	Richmond:		Aug. 4, 1927	3½	Jan. 23, 1922	4½
Jan. 8, 1926	4	Jan. 1, 1922	5	Feb. 21, 1928	4	July 8, 1922	4
Apr. 23, 1926	3½	Apr. 14, 1922	4½	Apr. 23, 1928	4½	Mar. 6, 1923	4½
Aug. 13, 1926	4	June 14, 1924	4	July 19, 1928	5	June 10, 1924	4
Aug. 6, 1927	3½	Aug. 16, 1927	3½	Minneapolis:		Aug. 25, 1924	3½
Feb. 3, 1928	4	Jan. 27, 1928	4	Jan. 1, 1922	5½	Nov. 23, 1925	4
May 18, 1928	4½	Apr. 25, 1928	4½	Jan. 11, 1922	5	Sept. 10, 1927	3½
July 13, 1928	5	July 13, 1928	5	Aug. 15, 1922	4½	Feb. 4, 1928	4
Philadelphia:		Atlanta:		Oct. 15, 1924	4	June 2, 1928	4½
Jan. 1, 1922	4½	Jan. 1, 1922	5	Sept. 13, 1927	3½		
June 19, 1924	3½	Mar. 15, 1922	4½	Feb. 7, 1928	4		
June 26, 1924	3½	June 18, 1924	4	Apr. 25, 1928	4½		

¹ In March, 1917, the Federal Reserve Board ruled that when the 60-day trade acceptance rate was higher than the 15-day commercial paper rate, trade acceptances maturing within 15 days were to be taken at the lower rate.

² Commodity rates were established during September and October, 1915, and merged with those for commercial paper of corresponding maturities in November and December, 1917.

³ Rates for bills maturing within 30 days, 3½ per cent; 31 to 60 days, 4 per cent; 61 to 90 days, 4½ per cent.

⁴ Oct. 20, 1917, rate of 3½ per cent for commodity paper maturing within 60 days and 4 per cent for paper maturing after 60 days but within 90 days.

⁵ Five per cent on 6 to 9 month agricultural and livestock paper from Apr. 7, 1923, to June 11, 1924.

⁶ Five per cent on 6 to 9 month agricultural and livestock paper from Apr. 19, 1923, to June 25, 1924.

⁷ 4½ per cent on 91 days to 6 months agricultural and livestock paper from June 19 to June 26, 1924.

Source: Federal Reserve Board.

No. 257.—FEDERAL RESERVE GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, 1915 TO 1928

[All figures in millions and tenths of millions of dollars]

Year	Balance at beginning of period	Daily settlements between Federal reserve banks		Inter-reserve bank transfers	Withdrawals	Deposits	Balance at end of period
		Transit clearings	Federal reserve note clearings				
1915.....	(¹)	1,052.6	(²)	(²)	78.0	155.8	77.8
1916.....	77.8	5,534.0	(²)	(²)	231.1	323.1	169.7
1917.....	169.7	24,319.1	(²)	2,843.8	1,235.7	1,377.6	311.0
1918.....	311.0	45,439.5	(²)	4,812.1	1,614.7	1,705.0	401.9
1919.....	401.0	66,053.4	(²)	7,930.9	1,871.9	1,799.7	329.7
1920.....	329.7	85,074.2	(²)	7,551.6	1,658.0	1,685.5	357.3
1921.....	357.3	64,934.8	(²)	3,289.1	2,303.2	2,468.0	522.1
1922.....	522.1	75,336.0	(²)	1,154.0	1,793.0	1,825.3	554.4
1923.....	554.4	89,614.7	(²)	1,039.2	1,764.3	1,781.1	571.1
1924.....	571.1	97,693.3	(²)	919.6	1,921.8	2,030.2	679.5
1925.....	679.5	108,289.5	(²)	909.0	1,770.0	1,788.6	639.2
1926.....	639.2	115,455.3	635.8	1,043.4	3,029.2	3,005.3	665.3
1927.....	665.3	123,031.5	673.2	1,436.7	3,797.3	3,660.3	528.2
1928.....	528.2	132,525.2	658.4	1,172.6	2,855.6	3,014.4	687.0

¹ Established May 20, 1915.

² Included in transit clearings.

Source: Federal Reserve Board.

No. 258.—FEDERAL RESERVE GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, BY DISTRICTS, 1928

[All figures in millions and tenths of millions of dollars]

Federal reserve bank	Balance Jan. 1	Daily settlements between Federal reserve banks				Interreserve bank transfers		Withdrawals	Deposits	Balance in fund at close of business Dec. 31
		Transit clearings		Federal reserve note clearings		Payments	Receipts			
		Payments	Receipts	Payments	Receipts					
Total.....	528.2	132,525.2	132,525.2	658.4	658.4	1,172.6	1,172.6	2,855.6	3,014.4	687.0
Boston.....	19.9	12,153.7	12,270.2	61.0	50.1	141.7	5.6	125.0	154.1	27.0
New York.....	159.3	42,719.3	42,478.8	122.2	132.1	280.3	735.0	1,113.1	831.1	142.4
Philadelphia.....	37.2	10,006.8	10,167.3	73.1	61.9	106.3	10.1	240.2	194.5	34.6
Cleveland.....	43.4	9,998.2	10,025.0	102.5	49.5	88.5	74.0	92.5	162.2	72.5
Richmond.....	20.8	10,023.5	10,077.5	29.8	43.9	94.5	24.6	103.8	98.7	14.0
Atlanta.....	11.8	4,123.2	4,137.4	39.6	40.4	108.0	8.1	294.9	320.8	12.9
Chicago.....	103.2	18,064.4	18,081.9	103.4	87.2	125.0	83.8	153.0	269.7	180.1
St. Louis.....	18.1	7,150.2	7,020.0	28.1	40.8	8.0	73.7	114.5	171.4	32.3
Minneapolis.....	16.8	2,337.1	2,318.1	19.6	21.6	10.3	27.7	31.0	43.5	20.6
Kansas City.....	27.5	5,700.6	5,585.6	27.6	30.5	15.5	60.2	46.0	128.9	52.0
Dallas.....	14.7	4,349.7	4,433.9	16.4	20.0	61.5	7.0	45.5	30.1	33.5
San Francisco.....	55.3	5,898.6	5,871.5	35.3	30.3	124.0	53.0	506.1	609.5	55.6

Source: Federal Reserve Board.

No. 259.—FEDERAL RESERVE AGENTS' GOLD FUND: SUMMARY OF TRANSACTIONS

[All figures in millions and tenths of millions of dollars]

Federal reserve agent at—	Balance Jan. 1	Withdrawals	Deposits	Transfers to bank	Transfers from bank	Balance Dec. 31
All F. R. banks:						
1918.....	490.0	103.6	35.0	1,011.8	1,512.3	928.5
1919.....	928.5	1,011.4	165.0	675.4	1,479.6	880.3
1920.....	886.3	1,060.7	451.4	498.0	1,118.3	890.7
1921.....	896.7	1,508.5	1,023.9	587.4	1,651.2	1,394.0
1922.....	1,394.9	924.0	402.9	609.5	1,326.8	1,081.1
1923.....	1,681.1	755.0	148.5	555.7	1,140.0	1,048.9
1924.....	1,648.9	928.0	149.5	1,022.8	1,158.3	1,307.9
1925.....	1,307.9	550.8	126.0	976.6	1,061.7	960.2
1926.....	960.2	568.2	112.3	1,709.4	2,268.5	903.4
1927.....	903.4	454.2	63.3	2,468.4	2,014.3	1,028.3
1928.....	1,028.3	473.6	70.5	1,631.4	1,768.1	761.9
Boston.....	74.0	110.0	54.0	90.0	125.0	53.0
New York.....	95.0	.....	.....	355.0	265.0	5.0
Philadelphia.....	65.8	145.0	.....	57.2	238.2	101.8
Cleveland.....	125.0	.....	.....	90.0	20.0	55.0
Richmond.....	.....	32.5	2.0	.....	74.5	44.0
Atlanta.....	121.0	73.6	.....	271.3	284.4	60.5
Chicago.....	245.0	4.0	.....	120.0	90.0	211.0
St. Louis.....	31.5	35.0	2.0	89.0	110.5	20.0
Minneapolis.....	33.0	6.0	.....	18.0	22.0	31.0
Kansas City.....	55.9	38.0	12.0	22.5	46.0	53.4
Dallas.....	13.5	15.5	.5	16.0	24.5	7.0
San Francisco.....	168.7	14.0	.....	502.4	468.0	120.8

No. 260.—FEDERAL RESERVE BANKS: OPERATIONS OF BRANCHES

[All figures in thousands of dollars]

Federal reserve branch and year	Bills discounted and bought	Currency and coin received and counted	Checks handled	Noncash collection items handled		Transfers of funds	Fiscal agency—issues, redemptions, and exchanges of U. S. securities
				Government coupons	All other		
All branches:							
1920.....	6,836,678	1,616,708	27,560,687	(2)	(3)	(2)	.....
1921.....	5,742,170	1,804,992	30,841,136	(2)	(3)	(2)	.....
1922.....	2,941,017	1,815,877	32,160,339	(2)	(3)	(2)	.....
1923.....	4,315,501	2,459,946	53,197,150	107,134	1,069,920	13,281,545	415,246
1924.....	2,104,790	2,495,451	54,763,840	90,927	975,142	15,063,121	221,225
1925.....	3,594,053	2,649,136	60,989,227	94,754	1,023,263	18,510,551	195,240
1926.....	4,490,314	2,879,738	64,716,081	80,637	1,138,245	20,210,569	183,046
1927.....	4,071,580	2,809,240	64,724,395	79,933	1,150,370	22,240,987	384,349
1928.....	7,594,192	2,968,956	68,273,066	78,564	1,227,049	25,780,961	394,200
No. 2. Buffalo.....	1,042,837	250,460	3,306,423	1,288	87,817	1,815,780	5,556
No. 4. Cincinnati.....	.....	140,903	6,573,872	14,397	57,142	633,238	46,019
Pittsburgh.....	.....	369,830	11,966,723	16,400	60,268	963,635	71,273
No. 5. Baltimore.....	1,244,375	280,503	4,294,471	6,910	129,836	1,279,210	54,243
Charlotte.....	.....	47,964	1,691,021	258	29,840	1,187,774	.....
No. 6. Birmingham.....	.....	62,425	1,908,994	252	29,468	1,922,178	818
Jacksonville.....	.....	85,128	1,956,332	668	28,583	215,193	.....
Nashville.....	.....	50,416	1,874,360	420	59,161	183,935	3
New Orleans.....	487,812	113,742	1,093,947	2,125	23,649	650,567	55,680
No. 7. Detroit.....	1,676,702	557,646	7,781,263	8,496	155,759	4,650,833	22,001
No. 8. Little Rock.....	199,146	40,256	999,983	3,397	29,003	426,241	1,167
No. 8. Louisville.....	1,094,770	109,445	2,710,982	3,568	39,010	679,486	11,006
Memphis.....	85,126	86,452	1,240,175	757	51,952	746,771	3,183
No. 9. Helena.....	2,542	14,603	477,130	495	9,045	185,280	1
No. 10. Denver.....	302,192	51,589	2,112,788	3,074	45,794	840,519	7,110
Oklahoma City.....	.....	35,003	2,439,007	958	47,274	290,727	1,780
Omaha.....	157,355	49,393	1,740,003	1,811	66,816	1,292,997	3,734
No. 11. El Paso.....	11,977	26,394	441,294	401	10,678	226,146	457
Houston.....	140,774	47,150	1,682,186	995	58,790	1,638,733	1,877
San Antonio.....	20,783	41,570	1,051,752	574	17,903	421,223	836
No. 12. Los Angeles.....	154,204	316,392	5,496,732	8,005	69,877	4,704,001	20,438
Portland.....	121,777	59,312	1,524,065	2,056	48,320	690,841	5,937
Salt Lake City.....	155,025	32,228	1,094,194	1,157	41,340	575,991	2,107
Seattle.....	600,608	89,603	1,279,738	2,176	41,650	1,091,682	5,590
Spokane.....	20,117	15,423	630,331	720	17,261	241,032	2,364

¹ Represent currency and coin received from member and nonmember banks only.

² Not available.

Source of Tables 259 and 260: Federal Reserve Board.

No. 261.—FEDERAL RESERVE BANKS; VOLUME OF OPERATIONS IN PRINCIPAL DEPARTMENTS

[Number of pieces handled in thousands; amounts handled in millions and tenths of millions of dollars]

Bank and year	Bills dis- counted	Bills pur- chased in open market for own account	Currency received and counted	Coin received and counted	Checks handled	Collection items handled		U. S. so- curities— issues, redemp- tions, and exchanges by fiscal agent de- partment	Trans- fers of funds
						U. S. Govern- ment cou- pons paid	All other		
Pieces handled									
All F. R. banks:									
1923	782	179	1,722,877	2,076,075	607,502	64,662	5,732	114,400	1,413
1924	593	143	1,838,270	2,186,737	742,878	50,471	6,113	16,097	1,503
1925	475	201	1,947,419	2,329,014	778,686	44,174	5,467	7,116	1,563
1926	606	232	2,090,606	2,590,057	822,937	39,678	5,656	4,661	1,710
1927	371	254	2,194,608	2,691,184	862,275	37,045	5,909	7,201	1,830
1928	443	251	2,270,555	2,929,091	887,007	28,765	6,461	6,682	2,011
Boston	60	48	242,602	213,018	86,246	2,191	400	440	62
New York	38	00	606,298	1,341,374	177,303	7,602	2,616	1,504	403
Philadelphia	41	7	214,881	328,880	68,383	2,545	552	554	117
Cleveland	21	14	148,386	175,442	81,761	3,812	386	766	115
Richmond	61	6	109,237	133,611	54,670	900	282	232	142
Atlanta	60	0	122,280	63,094	31,354	663	155	169	85
Chicago	49	22	376,595	276,743	123,365	4,743	702	1,377	337
St. Louis	27	2	116,562	154,033	50,887	1,703	270	473	261
Minneapolis	24	7	30,464	10,056	24,874	810	206	224	69
Kansas City	24	7	59,698	72,308	69,569	1,481	324	440	140
Dallas	26	12	51,125	43,351	39,799	493	129	127	127
San Francisco	16	22	123,437	115,675	79,901	1,822	340	367	153
Amounts handled									
All F. R. banks:									
1923	38,376.0	2,547.0	10,306.4	308.1	207,710.5	781.7	5,900.5	8,433.9	76,897.1
1924	15,419.2	2,172.1	10,777.3	293.9	219,332.2	719.8	6,500.1	6,708.3	98,859.0
1925	32,662.8	2,061.2	11,557.0	467.7	258,611.3	650.9	6,117.0	5,579.0	109,433.7
1926	37,082.1	3,353.3	12,555.0	606.4	272,945.2	644.3	6,218.4	4,971.4	126,009.4
1927	31,934.6	4,050.0	12,939.6	791.0	273,369.6	553.7	6,710.3	10,803.0	136,333.9
1928	62,413.0	4,240.7	13,315.6	888.6	301,703.8	543.4	7,414.4	8,002.4	149,748.0
Boston	4,284.6	743.4	1,527.5	23.6	21,510.5	41.4	797.0	454.2	8,070.3
New York	24,791.8	2,618.5	4,347.9	665.1	115,192.0	260.0	2,808.7	3,985.1	55,469.9
Philadelphia	4,969.7	139.8	1,220.6	51.2	23,362.0	34.5	687.7	598.1	6,021.5
Cleveland	6,058.5	195.4	930.1	15.3	30,222.0	63.8	651.4	578.5	6,632.0
Richmond	3,840.1	103.3	545.7	14.9	13,990.1	11.4	288.6	221.2	5,676.5
Atlanta	1,326.6	96.9	559.4	8.2	11,975.8	6.1	163.2	250.8	2,296.7
Chicago	5,028.1	324.6	2,193.7	85.3	29,077.2	63.6	1,004.8	1,566.8	27,047.8
St. Louis	3,002.2	36.2	613.0	16.8	11,730.3	18.3	208.1	326.3	6,233.0
Minneapolis	625.4	69.3	298.3	4.0	4,501.8	10.1	146.2	149.6	2,957.4
Kansas City	1,350.3	71.7	279.1	13.2	11,523.6	18.1	300.2	289.0	6,561.9
Dallas	737.7	114.7	223.3	7.4	8,341.5	5.6	218.3	268.8	5,662.0
San Francisco	5,488.8	322.0	880.1	25.5	15,139.4	24.9	340.1	477.4	16,369.4

Source: Federal Reserve Board.

No. 262.—FEDERAL RESERVE BANKS: AVERAGE ANNUAL RATE OF EARNINGS ON BILLS AND SECURITIES

NOTE.—Rate on "All classes" covers, besides classes specified, earnings on a small amount of municipal warrants, Federal intermediate credit bank debentures, and foreign loans on gold

Bank and year	Average annual rate (per cent) on—				Bank and year	Average annual rate (per cent) on—			
	All classes	Dis-counted bills	Pur-chased bills	U. S. securi-ties		All classes	Dis-counted bills	Pur-chased bills	U. S. securi-ties
All banks:					Richmond:				
1918	4.12	4.24	4.14	2.99	1920	3.84	4.00	3.55	3.34
1919	4.04	4.23	4.30	2.26	1927	3.53	3.83	3.39	3.21
1920	5.50	5.88	5.66	2.21	1928	4.30	4.60	3.92	3.17
1921	5.61	6.07	5.70	2.37	Atlanta:				
1922	4.11	4.63	3.54	3.67	1920	3.80	4.00	3.55	3.02
1923	4.33	4.46	4.14	4.01	1927	3.73	3.85	3.07	3.33
1924	3.83	4.25	3.31	3.67	1928	4.36	4.55	4.11	3.40
1925	3.51	3.07	3.17	3.56	Chicago:				
1926	3.76	3.95	3.55	3.60	1920	3.82	4.00	3.54	3.73
1927	3.60	3.83	3.49	3.41	1927	3.66	3.90	3.40	3.55
1928	4.24	4.56	3.97	3.64	1928	4.31	4.67	3.81	3.76
Boston:					St. Louis:				
1926	3.73	4.00	3.54	3.43	1920	3.78	4.00	3.52	3.58
1927	3.59	3.80	3.51	3.32	1927	3.57	3.82	3.56	3.39
1928	4.20	4.57	3.92	3.47	1928	4.26	4.60	3.83	3.66
New York:					Minneapolis:				
1926	3.70	3.82	3.53	3.51	1926	3.79	4.00	3.55	3.85
1927	3.57	3.79	3.48	3.34	1927	3.58	3.94	3.41	3.58
1928	4.30	4.61	4.03	3.80	1928	4.00	4.38	3.97	3.74
Philadelphia:					Kansas City:				
1926	3.82	4.00	3.56	3.58	1926	3.73	4.00	3.55	3.67
1927	3.61	3.88	3.46	3.32	1927	3.58	3.83	3.51	3.51
1928	4.20	4.59	3.81	3.46	1928	4.01	4.29	4.01	3.60
Cleveland:					Dallas:				
1926	3.79	4.00	3.56	3.60	1926	3.70	4.00	3.55	3.61
1927	3.59	3.81	3.52	3.41	1927	3.50	3.81	3.52	3.42
1928	4.13	4.50	4.01	3.51	1928	4.00	4.40	4.06	3.60
					San Francisco:				
					1926	3.72	4.00	3.55	3.53
					1927	3.61	3.87	3.60	3.35
					1928	4.06	4.28	4.05	3.50

No. 263.—FEDERAL RESERVE BANKS: PROFIT AND LOSS ACCOUNT

[All figures in thousands of dollars]

Bank and year	Gross earnings	Net earnings available for dividends, franchise tax, and surplus	Dividend payments	Franchise tax to Government	Carried to surplus	Capital and surplus Dec. 31
All Federal reserve banks:						
1918	67,584	52,716	5,541	—	48,334	103,505
1919	102,381	78,308	5,012	2,704	70,652	207,527
1920	181,297	140,295	5,054	60,725	82,916	301,857
1921	122,866	82,087	6,120	59,974	15,993	318,688
1922	50,499	10,498	6,307	10,851	4,600	325,640
1923	50,709	12,711	6,553	3,013	2,549	331,000
1924	38,840	3,718	6,632	114	1,073	323,876
1925	41,801	9,449	6,916	59	2,474	337,547
1926	47,600	10,612	7,329	818	8,464	353,589
1927	43,024	13,048	7,764	250	5,044	365,800
1928	64,053	32,122	5,468	2,556	21,070	401,334
Boston	4,465	2,317	591	—	1,728	29,775
New York	18,483	11,018	2,744	—	8,275	121,400
Philadelphia	5,395	3,283	844	—	2,439	38,637
Cleveland	0,251	3,181	857	—	2,324	40,794
Richmond	2,858	1,119	371	673	75	18,553
Atlanta	3,578	1,094	312	323	558	15,785
Chicago	8,936	4,763	1,100	—	3,664	54,920
St. Louis	2,902	785	322	40	423	16,228
Minneapolis	1,710	616	131	390	43	10,691
Kansas City	2,598	660	253	666	41	13,310
Dallas	2,120	713	259	292	163	13,019
San Francisco	4,767	1,974	626	—	1,349	23,840

1 Withdrawn from surplus account.

Source of Tables 262 and 263: Federal Reserve Board.

No. 264.—FEDERAL RESERVE BANKS: CLEARING OPERATIONS AND NUMBER OF BANKS ON PAR LIST

NOTE.—Banks on the par list include all member banks and those nonmember banks which remit for checks received from the Federal reserve banks at par without deduction of exchange charges. Federal reserve banks receive checks for collection from all member banks and from such nonmember banks as maintain sufficient balances with the Federal reserve banks to offset items in transit held for their account. Clearings of all Federal reserve banks (in millions of dollars): 1919, 136,493; 1920, 166,509; 1921, 119,160; 1922, 150,607; 1923, 196,636; 1924, 200,125; 1925, 247,185

Bank	Total items handled, excluding duplications						Number of banks on par list, December, 1928	
	Number (in millions)			Amount (millions of dollars)			Member	Non-member
	1926	1927	1928	1926	1927	1928		
All F. R. banks.....	759	798	828	261,402	267,452	291,417	8,837	12,843
Boston.....	74	78	83	10,084	20,220	20,766	408	251
New York.....	138	152	160	91,035	98,112	113,114	938	410
Philadelphia.....	59	61	61	23,831	23,684	27,024	778	493
Cleveland.....	70	75	79	27,473	28,781	29,347	816	1,007
Richmond.....	44	46	46	12,207	11,870	12,442	547	627
Atlanta.....	27	27	27	12,262	11,157	10,994	453	315
Chicago.....	105	112	117	26,685	26,464	28,488	1,252	3,570
St. Louis.....	47	40	40	11,188	11,363	11,641	587	1,757
Minneapolis.....	24	23	24	4,001	3,958	4,260	719	672
Kansas City.....	67	67	67	10,707	10,682	10,894	932	2,234
Dallas.....	34	35	37	7,238	7,549	8,063	780	626
San Francisco.....	70	73	75	14,941	13,612	14,410	627	681

Source: Federal Reserve Board.

No. 265.—ALL MEMBER BANKS OF FEDERAL RESERVE SYSTEM: NUMBER, CAPITAL AND SURPLUS, AND TOTAL RESOURCES

NOTE.—All national banks, except those in Alaska and Hawaii, and about 9 per cent in number of the eligible State banks and trust companies are now members of the system

[All amounts in thousands of dollars]

Date	Number of banks			Capital and surplus			Total resources		
	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies
Dec. 31, 1914.....	7,532	7,574	8	1,809,284	1,701,829	17,458	11,443,855	11,351,240	92,608
Dec. 31, 1915.....	7,631	7,600	31	1,828,070	1,792,509	36,170	13,740,825	13,461,185	279,640
Dec. 27, 1916.....	7,614	7,577	37	1,863,169	1,814,347	48,822	15,849,692	15,330,617	469,075
Dec. 31, 1917.....	7,867	7,657	250	2,390,260	1,875,495	520,795	23,649,962	18,539,570	5,110,396
Dec. 31, 1918.....	8,692	7,792	930	2,713,630	1,953,840	759,790	28,245,710	20,535,553	7,710,157
Dec. 31, 1919.....	9,066	7,885	1,181	2,909,560	2,078,369	891,261	33,916,044	23,676,048	10,239,996
Dec. 29, 1920.....	9,603	8,125	1,481	3,325,992	2,290,939	1,035,023	33,079,016	22,789,043	10,289,971
Dec. 31, 1921.....	9,779	8,165	1,614	3,425,296	2,314,638	1,110,663	30,114,139	19,935,224	10,178,912
Dec. 29, 1922.....	9,859	8,220	1,639	3,565,681	2,391,276	1,175,406	33,882,571	21,955,554	11,917,017
Dec. 31, 1923.....	9,774	8,179	1,595	3,644,373	2,392,784	1,251,689	35,238,609	22,395,303	12,843,303
Dec. 31, 1924.....	9,587	8,043	1,544	3,744,967	2,422,256	1,322,711	38,986,867	24,368,991	14,617,876
Dec. 31, 1925.....	9,489	8,018	1,441	3,937,990	2,544,180	1,993,819	41,425,205	25,839,450	15,585,815
Dec. 31, 1926.....	9,260	7,906	1,354	4,153,796	2,626,004	1,632,732	42,029,044	25,069,069	16,960,575
Dec. 31, 1927.....	9,034	7,759	1,275	4,401,800	2,841,192	1,620,908	44,888,140	28,148,567	16,739,583
Dec. 31, 1928.....	8,837	7,629	1,208	4,914,932	3,104,700	1,810,232	48,935,046	30,573,457	18,362,189

Source: Federal Reserve Board.

No. 266.—PRINCIPAL ASSETS AND LIABILITIES OF SELECTED REPORTING MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM IN LEADING CITIES

NOTE.—All money figures in millions of dollars. Owing to the addition of new members to the list of reporting banks during 1919 and 1920, the comparability of the figures is somewhat affected, but since Jan. 1, 1921, the changes have been almost entirely through consolidation of reporting banks

Date	Number of banks	Loans and investments				Net demand deposits	Time deposits	Accommodation at Federal reserve banks
		Total	Loans and discounts	Government securities	Other securities			
1919								
Mar. 23	772	14,486		2,920		10,054	1,684	1,423
June 27	772	14,675		2,189		10,286	1,757	1,351
Sept. 26	776	15,677		2,243		10,839	1,904	1,476
Dec. 26	797	16,521		1,930		11,174	2,302	1,833
1920								
Mar. 26	811	16,819	115,271	1,548		11,406	2,585	2,114
June 25	814	16,932	116,371	1,661		11,347	2,692	1,946
Sept. 24	818	17,140	116,692	1,448		11,161	2,787	2,151
Dec. 31	821	16,750	116,369	1,391		10,942	2,862	2,098
1921								
Mar. 25	823	15,983	12,501	1,343	2,049	10,186	2,932	1,764
June 20	817	15,331	11,884	1,373	2,074	10,046	2,933	1,215
Sept. 23	809	14,957	11,573	1,362	2,022	9,800	2,925	876
Dec. 23	806	14,780	11,220	1,470	2,000	10,174	2,998	698
1922								
Mar. 29	804	14,544	10,842	1,610	2,092	10,309	3,131	268
June 23	798	15,138	10,783	2,100	2,305	11,124	3,380	165
Sept. 27	790	15,454	10,988	2,219	2,247	11,085	3,573	159
Dec. 27	782	16,152	11,329	2,549	2,274	11,255	3,708	370
1923								
Mar. 23	777	16,498	11,784	2,553	2,161	11,082	3,948	475
June 27	774	16,543	11,850	2,835	2,158	11,104	4,000	491
Sept. 20	770	16,422	11,877	2,387	2,158	10,891	4,020	578
Dec. 25	764	16,490	11,934	2,350	2,206	11,094	4,072	576
1924								
Mar. 26	756	16,580	12,065	2,287	2,228	11,171	4,235	253
June 26	748	16,969	12,142	2,313	2,514	11,837	4,414	106
Sept. 24	747	18,008	12,677	2,647	2,684	12,630	4,664	75
Dec. 31	737	18,599	13,068	2,645	2,883	13,264	4,849	154
1925								
Mar. 25	737	18,018	13,140	2,642	2,836	12,588	5,084	218
June 24	733	18,710	13,205	2,554	2,951	12,725	5,188	255
Sept. 30	725	19,272	13,832	2,409	2,941	13,046	5,234	444
Dec. 30	719	19,697	14,235	2,617	2,945	13,261	5,348	555
1926								
Mar. 31	710	19,546	14,052	2,480	3,014	12,901	5,477	420
June 30	702	19,816	14,135	2,612	3,169	13,252	5,650	288
Sept. 29	694	20,020	14,395	2,502	3,132	13,003	5,674	495
Dec. 29	688	20,110	14,569	2,323	3,218	13,082	5,702	511
1927								
Jan. 26	682	19,840	14,246	2,360	3,224	12,902	5,934	197
Feb. 23	676	19,860	14,192	2,383	3,286	12,841	6,013	243
Mar. 30	675	20,370	14,405	2,588	3,408	13,030	6,095	296
Apr. 27	671	20,373	14,400	2,598	3,375	13,095	6,145	286
May 25	660	20,568	14,475	2,643	3,450	13,216	6,204	260
June 29	669	20,863	14,765	2,574	3,524	13,404	6,267	309
July 27	663	20,611	14,564	2,552	3,496	13,268	6,320	240
Aug. 31	662	20,726	14,748	2,503	3,474	13,279	6,378	278
Sept. 23	661	21,106	15,018	2,611	3,478	13,217	6,422	254
Oct. 29	661	21,188	15,077	2,617	3,404	13,430	6,531	331
Nov. 30	660	21,667	15,292	2,308	3,572	14,001	6,516	463
Dec. 28	657	21,820	15,421	2,304	3,595	13,786	6,516	463
1928								
Jan. 25	652	21,769	15,182	3,023	3,564	13,779	6,662	261
Feb. 29	649	21,750	15,175	2,948	3,627	13,727	6,693	355
Mar. 28	649	22,070	15,442	2,988	3,639	13,523	6,816	383
Apr. 25	644	22,338	15,722	3,002	3,615	13,742	6,878	545
May 30	642	22,576	15,893	2,997	3,686	13,628	7,003	737
June 27	640	22,429	15,750	3,017	3,662	13,244	7,004	808
July 25	636	22,219	15,692	2,957	3,570	13,051	6,905	799
Aug. 29	635	22,184	15,729	2,908	3,497	12,871	6,912	787
Sept. 26	633	22,295	15,797	3,032	3,466	13,018	6,923	778
Oct. 31	632	22,409	16,067	3,032	3,400	13,364	6,940	703
Nov. 23	630	22,635	16,260	2,982	3,393	13,460	6,921	762
Dec. 26	626	22,857	16,388	3,056	3,412	13,324	6,942	918

1 Includes all loans and investments except United States securities.

Source: Federal Reserve Board.

No. 267.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: ASSETS AND LIABILITIES, AS OF DECEMBER 31

[All figures except number of banks in millions of dollars]

Call date (Dec. 31 except as indicated)	Loans and investments					Due from banks ²	Capital sur- plus, and un- di- vided profits ³	Total ⁴ deposits	Demand de- posits ^{4,5}	Time de- posits ⁶	United States de- posits	Due to banks ^{4,7}	Net demand deposits ¹	Net demand plus time de- posits ^{1,8}	Reserve with Federal reserve banks	Bills pay- able and redis- counts	Num- ber of banks
	Total	Loans ¹	Investments														
			Total	U. S. securi- ties	Other securi- ties												
All member banks:																	
1917	16,896	12,316	4,580	1,759	2,820	2,129	2,807	18,628	11,180	3,156	649	3,643	12,487	15,648	1,497	783	7,907
1918	20,593	14,224	6,368	3,472	2,896	2,194	3,220	21,457	13,947	3,534	472	3,804	14,563	18,397	1,655	1,876	8,692
1919	24,778	18,149	6,630	3,324	3,306	2,519	3,542	25,139	16,080	5,305	648	4,106	16,576	21,881	1,904	2,347	9,066
1920 (Dec. 29)	25,531	19,555	5,978	3,619	3,557	1,577	4,120	24,220	14,632	6,188	316	3,084	15,345	21,533	1,763	3,036	9,806
1921	23,482	17,394	6,068	2,681	3,507	1,450	4,093	23,247	13,630	6,451	306	2,860	14,449	20,900	1,758	1,364	9,779
1922 (Dec. 29)	25,579	17,930	7,649	3,754	3,896	1,806	4,364	27,288	15,889	7,645	462	3,492	16,203	23,248	1,939	727	9,859
1923	26,487	18,842	7,645	3,603	3,896	1,824	4,373	28,507	16,107	8,651	237	3,512	16,376	25,027	1,900	808	9,774
1924	28,746	19,933	8,813	3,874	4,939	2,339	4,532	32,384	17,788	9,805	242	4,548	18,468	28,273	2,228	408	9,887
1925	30,834	21,996	8,888	3,728	5,160	2,155	4,678	34,250	19,072	10,653	304	4,221	19,260	29,913	2,238	733	9,489
1926	31,642	22,652	8,990	3,889	5,601	2,066	4,944	34,528	18,800	11,440	234	4,054	18,922	30,362	2,210	760	9,260
1927	34,247	23,886	10,361	3,973	6,383	2,210	5,341	36,659	19,932	12,765	267	4,606	20,105	32,870	2,514	663	9,034
1928	35,684	25,155	10,529	4,312	6,217	2,124	5,899	39,075	21,111	13,453	262	4,249	19,944	33,397	2,409	1,162	8,837
New York City:																	
1924	5,973	4,202	1,771	973	798	74	916	7,745	5,393	775	29	1,548	5,391	6,166	739	44	66
1925	6,315	4,731	1,584	871	713	96	991	8,068	5,755	783	59	1,472	5,501	6,284	713	172	63
1926	6,519	4,895	1,624	809	815	121	1,032	8,141	5,725	911	50	1,455	5,466	6,377	681	146	60
1927	7,460	5,621	1,840	948	892	131	1,230	8,455	5,542	1,081	61	1,802	6,061	7,142	857	247	59
1928	7,951	6,018	1,933	1,094	839	120	1,553	10,397	7,386	1,268	52	1,691	6,035	7,353	809	390	57
Chicago:																	
1924	1,499	1,157	342	180	162	130	228	1,739	979	342	18	400	1,133	1,475	163		24
1925	1,560	1,252	308	154	154	117	219	1,786	1,008	387	15	377	1,151	1,538	150	23	20
1926	1,581	1,286	295	110	185	117	231	1,811	1,016	414	9	371	1,158	1,572	154	8	22
1927	1,810	1,394	416	181	235	110	268	2,069	1,128	520	10	352	1,261	1,781	179	16	22
1928	1,910	1,519	391	174	217	128	300	2,068	1,166	558	6	337	1,210	1,768	169	66	18
Other reserve cities:																	
1924	9,908	7,106	2,802	1,339	1,463	968	1,510	11,281	5,648	3,455	146	2,052	6,158	9,593	726	131	549
1925	10,728	7,842	2,836	1,319	1,567	886	1,538	11,958	6,115	3,837	177	1,828	6,409	10,246	746	265	549
1926	11,021	8,165	2,855	1,183	1,673	846	1,627	12,029	5,999	4,158	132	1,740	6,257	10,414	749	342	540
1927	11,904	8,462	3,422	1,647	1,895	899	1,768	12,925	6,161	4,692	147	1,925	6,598	11,291	815	211	533
1928	12,156	8,702	3,454	1,662	1,791	859	1,888	13,044	6,312	4,832	153	1,747	6,447	11,279	779	376	517
Country banks:																	
1924	11,366	7,467	2,898	1,382	2,517	1,168	1,878	11,619	5,768	5,252	50	549	5,786	11,038	599	234	8,948
1925	12,281	8,171	4,110	1,385	2,725	1,056	1,930	12,438	6,195	5,647	53	544	6,198	11,845	629	272	8,557
1926	12,521	8,305	4,215	1,288	2,928	981	2,004	12,548	6,060	5,957	42	488	6,041	11,998	626	264	8,638
1927	13,073	8,410	4,663	1,302	3,361	1,070	2,075	13,249	6,201	6,472	50	526	6,184	12,655	664	190	8,420
1928	13,667	8,915	4,751	1,382	3,370	977	2,158	13,586	6,247	6,794	50	473	6,202	12,996	652	330	8,245

All member banks by districts:																			
Boston--																			
1927	2,583	1,765	817	268	550	120	395	2,651	1,448	974	22	208	1,480	2,454	156	32	413		
1928	2,571	1,824	747	235	511	106	429	2,581	1,435	953	9	183	1,428	2,381	145	76	408		
New York--																			
1927	10,947	7,789	3,158	1,213	1,946	249	1,703	11,944	7,108	2,837	76	1,923	7,629	10,466	1,038	314	937		
1928	11,593	8,404	3,188	1,353	1,835	234	2,064	13,939	8,931	3,145	63	1,800	7,613	10,758	981	499	938		
Philadelphia--																			
1927	2,688	1,616	972	234	738	131	542	2,469	1,168	1,055	21	225	1,200	2,255	142	73	777		
1928	2,666	1,745	921	231	690	126	579	2,488	1,180	1,091	16	201	1,171	2,263	136	99	778		
Cleveland--																			
1927	3,296	2,162	1,135	412	723	184	550	3,304	1,460	1,544	24	275	1,523	3,067	181	68	835		
1928	3,414	2,291	1,123	424	699	181	570	3,401	1,498	1,643	24	237	1,490	3,133	185	105	816		
Richmond--																			
1927	1,362	1,028	334	139	195	124	239	1,415	627	599	16	172	654	1,253	76	32	564		
1928	1,338	1,022	317	130	187	104	238	1,355	602	596	16	141	614	1,210	68	49	547		
Atlanta--																			
1927	1,165	888	276	125	152	159	193	1,288	624	463	17	184	650	1,113	73	34	464		
1928	1,188	895	293	135	158	144	200	1,264	609	467	17	161	626	1,092	64	52	453		
Chicago--																			
1927	4,859	3,519	1,339	503	836	329	710	5,213	2,484	2,140	25	584	2,642	4,782	349	68	1,290		
1928	5,163	3,812	1,350	536	815	345	755	5,458	2,638	2,257	19	544	2,681	4,938	343	164	1,252		
St. Louis--																			
1927	1,377	953	423	146	277	129	209	1,451	716	526	9	201	776	1,301	89	21	594		
1928	1,406	954	452	161	290	118	213	1,441	711	538	7	185	757	1,295	85	39	587		
Minneapolis--																			
1927	897	547	350	137	213	127	115	1,011	429	452	6	125	460	912	54	3	735		
1928	933	560	373	147	226	117	118	1,042	444	480	6	113	465	945	55	5	719		
Kansas City--																			
1927	1,191	783	408	184	225	224	157	1,456	837	339	9	272	907	1,246	95	10	968		
1928	1,250	803	447	212	235	225	160	1,505	867	365	10	264	917	1,281	91	22	932		
Dallas--																			
1927	898	694	204	132	72	171	160	1,068	699	184	14	171	732	916	73	1	799		
1928	993	736	257	174	84	165	163	1,155	743	223	22	166	763	986	74	12	730		
San Francisco--																			
1927	3,084	2,141	943	486	457	264	368	3,399	1,432	1,653	28	286	1,449	3,102	188	7	655		
1928	3,169	2,109	1,060	574	486	258	409	3,454	1,453	1,695	52	254	1,419	3,115	183	39	627		

¹ Includes rediscounts and overdrafts; excludes acceptances of other banks and bills of exchange sold with indorsement.

² Does not include items with Federal reserve banks in process of collection or amounts due from foreign banks or own foreign branches.

³ Includes reserves for dividends, contingencies, etc., but excludes, beginning 1923, reserves for interest, taxes, and other expenses accrued and unpaid.

⁴ "Demand deposits" and "Net demand deposits" revised to include letters of credit and travelers' checks sold for cash, beginning 1918; "Due to banks" revised to include amounts due to own foreign branches, beginning 1927.

⁵ Includes certified and cashiers' or treasurers' checks, and letters of credit and travelers' checks sold for cash.

⁶ Includes postal-savings deposits.

⁷ Includes amounts due to Federal reserve banks, foreign banks, and other banks and bankers; also amounts due to own foreign branches beginning 1927.

⁸ Deposits subject to reserve requirements.

⁹ Includes small amounts of bills sold with indorsement.

¹⁰ Excludes customers' liability on letters of credit for State bank members.

Source: Federal Reserve Board.

No. 268.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: LOANS AND INVESTMENTS, BY CLASSES, JUNE 30

NOTE.—Figures exclude acceptances of other banks and bills of exchange or draft sold with indorsement
[All figures, except number of banks, in millions of dollars]

	All member banks				1928				
	1925	1926	1927	1928	Central reserve city banks	Other reserve city banks	Country banks	National bank members	State bank, etc., members
Number of banks.....	9,593	9,375	9,009	8,929	74	530	8,325	7,685	1,244
Loans, total.....	20,656	22,060	23,938	24,803	6,889	8,667	8,767	14,921	9,382
Loans on securities, total.....	6,718	7,321	8,156	9,068	3,610	3,213	2,245	5,111	3,967
Secured by U. S. Government obligations.....	243	207	181	178	63	72	44	108	70
Secured by other stocks and bonds.....	6,474	7,114	7,975	8,890	3,547	3,141	2,201	5,003	3,887
All other loans, total.....	13,937	14,740	14,782	15,235	3,279	5,444	6,512	9,810	5,425
Secured by real estate.....	2,338	2,650	2,626	3,068	170	1,515	1,384	1,285	1,783
Farm lands.....		489	478	444	3	135	306	325	119
Other real estate.....		2,161	2,449	2,624	167	1,380	1,077	960	1,664
Otherwise secured and unsecured.....	11,599	12,090	11,856	12,167	3,109	3,990	5,128	8,525	3,642
Securities, total.....	8,363	9,123	9,818	10,768	2,468	3,536	4,766	7,141	3,617
Domestic securities, total.....	8,362	8,625	9,246	10,032	2,335	3,352	4,345	6,592	3,440
U. S. Government securities.....	3,781	3,744	3,706	4,225	1,314	1,599	1,812	2,889	1,336
State, county, and municipal bonds.....	1,029	1,149	1,277	1,367	277	504	686	830	523
All other bonds.....	2,781	2,948	3,343	3,512	485	917	2,110	2,461	1,661
Stock of Federal reserve banks.....	116	123	129	142	40	47	54	91	51
Stock of other corporations.....	275	327	348	407	95	191	121	105	302
All other domestic securities.....	382	335	352	379	124	94	161	218	161
Foreign securities, total.....	501	498	572	720	123	183	421	549	177
Bonds of foreign governments.....	327	301	316	392	67	96	230	296	96
All other foreign securities, including municipal.....	173	198	256	328	56	88	191	253	81

Source: Federal Reserve Board.

No. 269.—ALL REPORTING BANKS: NUMBER, RESOURCES, CAPITAL AND SURPLUS, AND DEPOSITS, ON OR ABOUT JUNE 30

NOTE.—See headnote, Table 272

[All figures, except number of banks, in millions and tenths of millions of dollars]

Year	Number of banks	Total resources	Capital and surplus	Individual deposits	Year	Number of banks	Total resources	Capital and surplus	Individual deposits
1890.....	8,188	6,350.1	1,414.4	4,069.7	1920.....	30,139	53,079.1	5,113.0	37,268.1
1895.....	9,818	7,609.5	1,621.3	4,921.2	1921.....	30,812	49,871.4	5,446.0	34,700.9
1900.....	10,332	10,735.9	1,673.1	7,238.9	1922.....	30,889	50,425.4	5,641.4	37,143.5
1905.....	16,410	16,918.2	2,516.3	11,350.7	1923.....	30,178	54,034.9	5,851.9	39,983.6
1910.....	23,095	22,450.3	3,427.3	14,993.7	1924.....	29,348	57,144.7	6,081.6	42,903.8
1915.....	27,062	27,304.1	3,895.3	18,995.7	1925.....	28,841	62,067.0	6,343.0	46,715.2
1916.....	27,513	32,271.2	4,044.3	22,526.0	1926.....	28,146	64,893.4	6,745.3	48,826.6
1917.....	27,923	37,126.8	4,219.7	26,688.4	1927.....	27,061	68,132.6	7,141.0	51,062.1
1918.....	28,830	40,720.4	4,336.3	27,715.5	1928.....	26,213	71,574.3	7,671.1	53,244.7
1919.....	29,123	47,615.4	4,619.4	32,620.3					

Source: Comptroller of the Currency, Treasury Department.

No. 270.—ALL REPORTING BANKS: SUMMARY, BY STATES, JUNE 30, 1928

[All figures, except number of banks, in thousands of dollars]

Division and State	Number of banks	Total resources or liabilities	Loans and discounts, including re-discounts and overdrafts	Investments (including premiums on bonds)	Lawful reserve with Federal reserve banks or other reserve agents	Capital, surplus, and undivided profits	Individual deposits		
							Demand	Time	Un-classified
Grand total	26, 213	71, 574, 328	59, 592, 474	18, 771, 814	3, 105, 840	8, 897, 412	24, 306, 661	28, 538, 109	599, 698
Continental U. S.	26, 145	71, 229, 153	59, 410, 959	18, 730, 692	3, 105, 840	8, 845, 079	24, 212, 472	28, 447, 116	363, 335
New England	1, 103	8, 569, 308	4, 684, 806	2, 946, 899	194, 188	862, 444	2, 272, 739	4, 648, 907	1, 094
Maine.....	140	483, 033	209, 846	218, 315	5, 470	50, 450	78, 194	313, 073	.....
New Hampshire.....	123	322, 925	147, 723	153, 230	3, 501	30, 307	39, 787	229, 622	24
Vermont.....	105	278, 620	156, 108	95, 023	2, 700	31, 380	29, 357	206, 621	.....
Massachusetts.....	446	5, 261, 042	2, 936, 454	1, 778, 039	134, 523	499, 543	1, 680, 498	2, 660, 689	.....
Rhode Island.....	37	684, 946	285, 130	252, 271	10, 351	61, 794	131, 294	372, 007	.....
Connecticut.....	252	1, 428, 742	849, 545	450, 021	31, 553	179, 970	813, 634	867, 095	1, 070
Middle Atlantic	3, 348	29, 691, 991	16, 243, 358	8, 009, 614	1, 428, 463	3, 991, 273	9, 696, 982	11, 274, 613	16, 128
New York.....	1, 146	20, 043, 230	11, 319, 235	4, 732, 107	1, 049, 444	2, 431, 610	6, 715, 032	7, 137, 503	14, 051
New Jersey.....	872	2, 813, 501	1, 607, 401	844, 507	75, 873	350, 295	883, 654	1, 365, 637	2, 077
Pennsylvania.....	1, 628	6, 835, 244	3, 316, 722	2, 433, 000	308, 140	1, 173, 368	2, 098, 246	2, 781, 473	.....
East North Central	5, 646	13, 041, 787	7, 156, 767	3, 317, 664	708, 599	1, 545, 158	4, 739, 071	5, 189, 666	4, 985
Ohio.....	1, 028	3, 377, 038	2, 017, 090	704, 220	216, 631	391, 449	1, 096, 708	1, 540, 005	.....
Indiana.....	1, 028	1, 221, 263	662, 539	227, 655	20, 514	145, 170	416, 268	417, 173	.....
Illinois.....	1, 816	4, 807, 094	2, 835, 995	1, 063, 655	210, 059	614, 915	2, 007, 174	1, 624, 184	.....
Michigan.....	784	2, 407, 855	998, 568	976, 376	175, 227	269, 411	842, 623	1, 051, 709	1, 098
Wisconsin.....	967	1, 138, 517	642, 505	205, 749	84, 165	124, 207	370, 238	635, 994	3, 899
West North Central	6, 790	5, 215, 567	2, 813, 299	1, 247, 156	137, 107	602, 084	2, 070, 127	1, 919, 558	2, 426
Minnesota.....	1, 134	1, 149, 707	539, 025	387, 061	33, 922	114, 417	365, 435	684, 913	.....
Iowa.....	1, 372	1, 019, 438	597, 933	263, 169	21, 470	113, 629	320, 714	497, 979	2, 426
Missouri.....	1, 365	1, 618, 488	884, 201	385, 729	37, 814	216, 316	742, 248	415, 628	.....
North Dakota.....	439	162, 314	91, 114	34, 165	12, 047	17, 794	56, 365	77, 719	.....
South Dakota.....	412	170, 234	94, 278	37, 374	3, 597	18, 182	77, 550	70, 511	.....
Nebraska.....	904	542, 784	305, 306	90, 338	14, 212	52, 502	220, 254	102, 212	.....
Kansas.....	1, 114	543, 602	298, 382	108, 723	14, 045	60, 294	287, 561	130, 691	.....
South Atlantic	2, 701	4, 320, 539	2, 588, 277	902, 612	167, 433	651, 889	1, 448, 632	1, 685, 191	6, 613
Delaware.....	61	164, 238	92, 609	61, 430	6, 397	30, 501	62, 410	59, 975	1, 816
Maryland.....	238	967, 508	485, 511	336, 079	42, 106	133, 622	265, 340	502, 930	.....
Dist. of Col.	42	326, 438	190, 389	64, 100	9, 404	51, 572	146, 092	98, 007	.....
Virginia.....	494	639, 890	468, 091	95, 157	15, 933	112, 806	195, 552	258, 569	.....
West Virginia.....	330	442, 275	294, 011	68, 833	7, 700	73, 216	165, 982	171, 088	.....
North Carolina.....	618	519, 691	368, 869	67, 312	40, 287	73, 608	190, 283	168, 802	.....
South Carolina.....	262	245, 039	147, 581	48, 378	4, 653	33, 660	81, 576	104, 192	.....
Georgia.....	454	478, 269	312, 789	68, 795	30, 533	80, 458	163, 390	157, 630	.....
Florida.....	302	487, 141	235, 527	122, 472	11, 304	62, 441	193, 048	163, 143	4, 698
East South Central	1, 791	1, 839, 373	1, 148, 985	302, 698	42, 042	250, 109	595, 215	495, 980	250, 439
Kentucky.....	583	633, 454	391, 408	127, 163	13, 400	38, 218	113, 070	92, 180	250, 438
Tennessee.....	507	549, 357	343, 784	93, 866	12, 157	70, 666	219, 276	185, 655	.....
Alabama.....	357	372, 936	243, 700	67, 958	12, 393	59, 917	151, 983	115, 373	.....
Mississippi.....	344	283, 626	170, 093	53, 651	4, 086	31, 299	110, 787	102, 769	.....
West South Central	2, 720	2, 748, 130	1, 550, 760	487, 928	177, 864	343, 937	1, 345, 527	542, 566	61, 292
Arkansas.....	457	269, 065	167, 634	87, 126	29, 637	36, 377	123, 189	75, 139	.....
Louisiana.....	229	535, 139	330, 944	71, 401	19, 040	60, 842	231, 624	133, 431	.....
Oklahoma.....	608	532, 038	255, 208	140, 108	25, 262	48, 108	235, 694	103, 475	78, 674
Texas.....	1, 386	1, 411, 888	796, 964	239, 298	103, 926	198, 480	756, 520	230, 323	2, 618
Mountain	967	1, 099, 414	570, 417	279, 616	49, 564	111, 271	482, 425	392, 420	879
Montana.....	203	191, 027	94, 536	53, 079	4, 619	18, 770	85, 095	74, 170	.....
Idaho.....	140	105, 716	48, 000	31, 015	3, 107	10, 346	51, 658	34, 062	.....
Wyoming.....	86	73, 002	39, 011	16, 322	2, 003	7, 984	34, 230	24, 980	.....
Colorado.....	285	347, 474	165, 823	100, 246	25, 819	35, 160	162, 105	118, 913	.....
New Mexico.....	58	48, 214	23, 789	13, 655	1, 876	4, 899	28, 997	10, 561	.....
Arizona.....	45	98, 000	51, 091	24, 094	5, 652	9, 223	43, 787	34, 935	68
Utah.....	105	186, 822	119, 427	32, 682	6, 708	19, 720	53, 869	73, 145	811
Nevada.....	35	49, 069	28, 740	8, 523	881	5, 216	17, 089	21, 054	.....
Pacific	1, 091	4, 913, 074	2, 756, 330	1, 236, 555	202, 696	616, 973	1, 566, 704	2, 318, 414	.....
Washington.....	362	593, 348	275, 616	168, 450	35, 211	52, 867	225, 544	214, 520	.....
Oregon.....	243	336, 547	147, 672	114, 626	22, 821	35, 946	146, 897	123, 512	.....
California.....	486	4, 023, 179	2, 333, 142	958, 479	142, 661	428, 170	1, 194, 323	1, 980, 332	.....
Alaska	17	14, 133	5, 918	4, 821	.....	1, 681	6, 243	5, 480	.....
Hawaii	23	115, 269	60, 691	25, 291	.....	16, 881	44, 318	40, 381	1, 140
Porto Rico	19	67, 293	47, 382	3, 988	.....	11, 832	20, 689	18, 016	.....
Philippines	12	148, 487	67, 524	7, 032	.....	21, 939	22, 929	27, 116	25, 537

1 Less expenses and taxes paid.

No. 271.—ALL REPORTING BANKS IN CONTINENTAL UNITED STATES:
PRINCIPAL RESOURCES AND LIABILITIES, BY STATES, DECEMBER 31¹

[All figures, except number of banks, in millions and tenths of millions of dollars]

State	Number of reporting banks		Loans ²		Investments		Deposits, exclusive of bank deposits ³		Rediscouunts and bills payable	
	1927	1928	1927	1928	1927	1928	1927	1928	1927	1928
United States.....	26,416	25,576	38,407.1	40,762.7	17,043.4	17,503.7	52,909.1	56,705.6	893.5	1,512.2
New England.....	1,084	1,082	4,166.1	4,421.2	2,487.9	2,527.8	6,288.9	6,504.3	43.0	97.3
Maine.....	142	130	194.5	214.0	217.0	213.3	380.3	306.3	3.2	8.6
New Hampshire.....	123	124	149.0	149.3	143.6	153.5	259.7	275.0	1.3	2.9
Vermont.....	105	105	151.6	153.8	87.7	95.2	230.8	242.0	1.5	3.0
Massachusetts.....	444	448	2,091.0	2,344.7	1,208.9	1,280.4	3,720.1	3,871.6	20.7	60.9
Rhode Island.....	37	34	276.5	290.0	248.6	247.2	508.5	505.3	.3	6.8
Connecticut.....	233	235	702.5	704.4	522.1	538.2	1,151.5	1,214.1	7.0	14.5
Middle Atlantic.....	3,360	3,332	15,680.2	17,014.8	7,608.9	7,628.4	21,381.0	24,078.4	474.6	730.3
New York.....	1,152	1,145	10,787.7	11,931.6	4,502.7	4,506.4	14,187.9	16,703.9	303.0	478.9
New Jersey.....	575	570	1,635.8	1,650.1	815.7	813.1	2,257.4	2,325.9	33.7	78.7
Pennsylvania.....	1,023	1,017	3,206.7	3,433.1	2,350.5	2,308.9	4,916.3	5,048.6	137.9	178.7
East North Central.....	5,681	5,573	7,228.1	7,865.9	2,687.5	2,675.2	9,909.4	10,051.4	165.3	323.2
Ohio.....	1,059	1,035	1,906.2	1,985.6	656.4	677.2	2,467.0	2,565.4	40.0	84.9
Indiana.....	1,050	1,005	658.7	664.5	217.2	232.8	840.0	855.0	44.0	54.2
Illinois.....	1,834	1,816	2,714.3	2,902.8	906.1	1,015.5	3,580.5	3,761.3	34.7	92.9
Michigan.....	743	751	1,930.9	1,455.7	530.2	503.8	1,816.8	1,943.8	36.8	62.9
Wisconsin.....	970	900	018.3	057.3	237.6	285.9	905.1	930.3	9.8	28.3
West North Central.....	7,202	6,617	2,955.9	2,886.1	1,089.5	1,188.4	4,071.0	4,095.3	57.5	86.3
Minnesota.....	1,163	1,100	549.9	538.3	372.5	377.0	895.1	903.5	7.9	9.1
Iowa.....	1,355	1,298	678.2	670.8	103.6	120.6	825.4	832.6	10.2	12.4
Missouri.....	1,416	1,356	902.9	881.4	306.9	304.0	1,225.9	1,224.4	22.3	40.8
North Dakota.....	512	470	93.3	88.0	34.7	36.1	144.1	139.2	1.0	.9
South Dakota.....	415	400	93.3	95.8	33.5	40.0	142.1	152.6	1.0	1.2
Nebraska.....	1,012	882	335.3	312.9	75.7	95.1	421.9	411.5	9.1	15.6
Kansas.....	1,133	1,102	303.0	298.3	97.6	119.1	416.5	431.5	5.4	5.8
South Atlantic.....	2,877	2,540	2,541.9	2,541.9	907.4	902.7	3,208.6	3,236.9	74.5	102.6
Delaware.....	49	47	82.2	95.2	53.1	51.2	120.4	136.8	1.2	4.0
Maryland.....	243	237	490.0	502.0	344.0	331.9	704.6	788.7	9.0	14.2
Dist. of Col.....	42	41	173.7	190.8	59.8	62.3	232.2	248.9	2.5	6.3
Virginia.....	496	488	469.8	469.8	90.2	90.8	472.5	471.3	18.6	25.0
West Virginia.....	335	325	209.0	204.4	64.0	66.3	336.2	333.3	13.3	12.1
North Carolina.....	458	441	348.6	349.4	50.4	58.8	413.2	390.2	4.7	17.0
South Carolina.....	271	244	144.4	138.8	45.8	45.7	201.5	195.3	2.0	1.6
Georgia.....	466	434	295.3	287.9	65.3	67.8	342.1	335.3	9.6	13.2
Florida.....	317	283	252.0	213.0	124.0	121.9	385.9	337.1	13.6	9.2
East South Central.....	1,780	1,765	1,144.2	1,182.8	265.1	309.1	1,386.6	1,392.7	28.9	69.6
Kentucky.....	587	579	395.5	416.5	118.4	130.1	435.3	456.3	10.9	30.6
Tennessee.....	512	498	344.7	348.3	56.0	64.7	411.2	408.2	7.9	16.2
Alabama.....	356	357	231.7	251.2	57.9	60.9	298.2	290.7	4.5	17.8
Mississippi.....	325	321	172.3	166.8	52.8	53.4	241.0	237.5	5.6	5.0
West South Central.....	2,749	2,671	1,542.2	1,587.1	457.9	555.3	2,078.6	2,208.2	27.9	93.6
Arkansas.....	447	437	166.7	160.2	32.7	42.2	212.7	215.6	2.3	1.2
Louisiana.....	232	228	336.1	340.1	77.0	80.3	406.0	415.9	21.5	13.7
Oklahoma.....	679	661	246.0	255.4	133.6	140.4	419.8	444.4	1.4	1.0
Texas.....	1,391	1,345	793.4	831.4	214.6	274.4	1,038.1	1,132.3	2.7	12.7
Mountain.....	674	654	558.7	564.8	271.2	300.0	903.5	961.3	3.4	5.7
Montana.....	205	201	88.1	100.1	52.8	58.8	160.4	175.7	.1	.2
Idaho.....	143	139	48.6	49.5	20.7	32.7	91.7	93.5	.3	.2
Wyoming.....	86	80	38.4	40.3	16.2	19.4	61.2	66.4	.1	.1
Colorado.....	293	284	164.3	173.6	99.9	99.0	289.7	298.5	1.4	3.7
New Mexico.....	59	58	22.8	26.2	12.6	14.9	42.5	47.0	.....	.....
Arizona.....	46	46	44.2	51.8	22.2	20.5	81.4	94.9	.8	.6
Utah.....	107	105	122.5	123.5	29.7	36.6	136.7	142.0	.7	.9
Nevada.....	35	35	27.8	29.8	8.1	9.1	39.9	42.7	.....	.....
Pacific.....	1,115	1,052	2,730.7	2,868.3	1,188.0	1,321.6	3,933.1	4,237.1	13.9	57.7
Washington.....	357	351	282.5	278.6	160.6	170.1	439.5	463.3	1.2	1.8
Oregon.....	247	242	149.6	145.7	111.1	117.4	275.5	279.2	1.5	1.8
California.....	511	459	2,318.6	2,444.1	916.3	1,034.1	3,218.1	3,494.6	16.2	53.1

¹ Date of reports of member banks of the Federal reserve system; figures for nonmember banks are from reports of nearest available date.

² Includes rediscouunts and overdrafts; excludes acceptances of other banks and bills of exchange sold with indorsement.

³ Includes certified and officers' or treasurers' checks and letters of credit and travelers' checks sold for cash.

Source: Federal Reserve Board.

No. 272.—BANKS: NUMBER, RESOURCES, CAPITAL AND SURPLUS, AND DEPOSITS FOR EACH CLASS OF BANKS

NOTE.—Banks in Alaska, Hawaii, Porto Rico, and Philippine Islands are included. Data for national banks and in recent years for other classes are as of June 30 or about June 30. In earlier years reports for banks other than national were of various dates. Figures for private banks, which include only those under State supervision and others voluntarily reporting, except for 1880, and for other banks except national for earlier years, especially 1875, 1880, and 1885, are incomplete. For 1910 and 1915, when statistics were compiled from reports from individual banks, and in recent years, the segregation of the classes of banks is fairly accurate. In other years figures for State banks include stock savings banks and loan and trust companies in a number of States, and in some instances private banks. Individual deposits exclude dividends unpaid and, beginning 1910, certified and cashiers' checks; they include postal savings

[All figures except number of banks, in millions and tenths of millions of dollars]

Year	Number of banks	Total resources	Capital and surplus	Individual deposits	National banks				State (commercial) banks				
					National banks		State (commercial) banks		State (commercial) banks		Private banks		
1830								329			1110.2		
1840								901	75.7		1637.7		
1850								824	109.6		1532.3		
1860								1,562	253.8		1,099.9		
1865	1,294	1,126.5	357.1	2,398.4									
1870	1,612	1,565.8	518.9	542.3									
1875	2,076	1,913.2	634.7	686.5				561	272.3	75.9		165.9	
1880	2,076	2,035.5	574.0	833.7				620	364.9	100.6		203.8	
1885	2,689	2,421.9	672.8	1,106.4				975	553.6	158.0		344.3	
1890	3,484	3,061.8	854.7	1,521.7				2,292	877.0	243.5		560.4	
1895	3,715	3,470.6	906.0	1,736.0				3,774	1,147.5	324.5		712.4	
1900	3,732	4,944.2	877.8	2,468.1				4,369	1,759.8	328.4		1,266.7	
1905	5,668	7,327.8	1,205.0	3,783.7				7,794	3,190.9	834.2		2,366.2	
1910	7,145	9,896.6	1,634.4	5,070.5				12,166	3,665.0	623.4		2,075.4	
1915	7,605	11,795.7	1,780.6	6,426.2				14,598	4,390.6	725.1		3,231.0	
1916	7,579	13,926.9	1,797.4	7,829.5				15,450	5,553.0	832.3		4,281.5	
1917	7,604	16,280.4	1,845.1	9,320.9				15,968	6,799.7	888.7		5,376.2	
1918	7,705	18,354.9	1,907.7	10,006.4				16,596	7,815.7	952.8		6,090.3	
1919	7,785	21,234.9	1,990.8	11,865.2				17,225	11,701.6	1,226.0		8,968.5	
1920	8,930	23,411.3	2,210.9	13,671.8				18,195	14,069.8	1,447.2		10,827.1	
1921	8,154	20,517.9	2,300.1	12,373.4				18,875	14,189.1	1,642.9		10,664.4	
1922	8,249	20,706.0	2,356.0	13,229.4				18,232	13,004.4	1,575.4		10,097.9	
1923	8,241	21,511.8	2,399.5	14,008.7				18,043	14,162.9	1,612.9		11,120.6	
1924	8,085	22,565.9	2,414.0	14,818.8				17,430	14,816.0	1,664.4		11,746.4	
1925	8,072	24,360.9	2,488.4	16,320.7				16,983	15,079.2	1,704.7		12,672.8	
1926	7,978	25,315.6	2,611.8	17,057.1				16,483	16,570.7	1,780.3		13,145.8	
1927	7,706	26,581.9	2,731.1	18,202.3				15,080	16,505.0	1,814.0		12,923.7	
1928	7,691	28,508.2	3,013.6	19,300.4				15,078	16,291.0	1,788.7		12,725.1	
					Loan and trust companies				Private banks				
1875	35	122.9	23.8	85.0									
1880	30	126.9	24.7	90.0				4,2802		4,761.1		4,182.7	
1885	40	248.4	37.1	188.4									
1890	140	503.8	105.3	336.5				1,342	164.0	50.8		101.0	
1895	242	807.1	173.1	546.7				1,070	130.6	40.4		81.8	
1900	290	1,330.2	230.6	1,028.2				989	126.8	22.6		96.2	
1905	683	2,806.0	524.4	1,980.9				1,028	165.2	20.4		127.9	
1910	1,091	4,216.9	800.1	3,020.0				934	160.0	25.4		124.0	
1915	1,604	5,873.1	927.5	4,177.8				1,036	177.7	29.0		134.1	
1916	1,006	7,028.3	984.7	5,180.2				1,014	181.9	23.6		145.3	
1917	1,608	7,899.8	1,040.3	5,781.3				936	197.9	24.1		161.3	
1918	1,669	8,317.4	1,068.3	6,954.0				1,001	236.0	28.4		193.1	
1919	1,377	7,960.0	942.4	6,676.1				1,017	206.1	28.7		210.2	
1920	1,408	8,320.0	985.7	6,061.9				799	212.6	26.4		169.3	
1921	1,474	8,181.1	1,063.5	5,601.5				708	175.3	24.0		133.7	
1922	1,550	8,533.9	1,095.0	6,490.5				673	185.5	25.7		145.2	
1923	1,643	9,499.3	1,198.1	8,825.3				604	165.5	22.4		131.4	
1924	1,664	10,323.8	1,293.3	7,779.2				590	150.9	19.8		120.5	
1925	1,680	11,565.5	1,366.7	8,530.4				523	155.2	19.5		126.2	
1926	1,656	12,205.2	1,487.2	8,893.4				495	174.2	21.0		131.2	
1927	1,647	13,994.8	1,678.0	10,074.2				467	164.1	19.3		123.2	
1928	1,633	15,230.9	1,889.3	10,874.5				404	143.8	16.6		110.6	

¹ Capital only.

² Individual and other.

³ In 1921 returns from California, which in 1920 had shown 106 stock savings banks, included all banks except 1 mutual savings bank with State banks, which accounts for part of the increase in State banks and the greater part of the decrease in stock savings banks. In subsequent years returns showed separate statistics for each class of banks.

⁴ Average for all private banks for the six months ended May 31, 1880.

No. 272.—BANKS: NUMBER, RESOURCES, ETC., FOR EACH CLASS OF BANKS—Continued

Year	Mutual savings banks ¹				Stock savings banks ²			
	Number of banks	Total resources	Surplus	Individual deposits	Number of banks	Total resources	Capital and surplus	Individual deposits
1880.....	629	881.7	51.2	819.1				
1885.....	646	1,203.0	88.6	1,095.2				
1890.....	637	1,486.6	126.1	1,336.0	284	256.0	34.1	214.0
1895.....	664	1,756.7	136.0	1,597.3	353	297.0	41.3	247.0
1900.....	652	2,336.5	175.8	2,134.5	360	288.4	29.1	265.2
1905.....	668	2,967.3	184.0	2,736.5	560	400.9	39.2	366.5
1910.....	638	3,652.4	240.2	3,360.6	1,121	826.4	95.3	707.2
1915.....	630	4,319.4	289.7	3,950.6	1,520	1,238.7	133.9	1,046.0
1916.....	622	4,547.9	303.3	4,187.9	1,242	1,033.3	103.5	901.6
1917.....	622	4,811.0	321.8	4,422.5	1,185	1,127.9	90.8	906.2
1918.....	626	4,818.6	315.6	4,422.1	1,104	1,183.2	103.6	1,049.5
1919.....	622	5,171.6	333.4	4,761.2	1,007	1,281.3	97.4	1,162.1
1920.....	620	5,019.0	334.5	4,586.8	1,087	1,506.4	108.6	1,351.2
1921.....	623	6,040.1	366.4	5,575.1	978	1,557.9	59.1	1,442.8
1922.....	619	6,351.6	403.2	5,778.9	1,066	1,853.9	121.0	1,401.7
1923.....	618	6,004.8	406.5	5,288.6	1,029	1,790.7	122.5	1,609.0
1924.....	613	7,364.7	553.8	6,603.2	900	1,923.4	130.7	1,746.5
1925.....	611	7,913.0	633.2	7,147.0	972	2,093.1	128.7	1,918.2
1926.....	620	8,422.3	703.0	7,577.5	904	2,196.4	133.0	2,021.5
1927.....	618	9,011.2	782.9	8,076.5	843	1,815.5	115.7	1,661.7
1928.....	616	9,688.2	851.6	8,672.8	791	1,707.2	111.4	1,561.2

¹ Data shown for mutual savings banks, 1880 and 1885, include stock savings banks. For deposits in savings banks for earlier years, see Table 264, p. 277.
² See footnote 3, preceding page.

No. 273.—NATIONAL BANKS: PRINCIPAL RESOURCES AND LIABILITIES

NOTE.—All figures, except number of banks, in millions of dollars. Data include banks in Alaska and Hawaii. Loans and discounts include rediscounts and overdrafts; they exclude acceptances and bills of exchange or draft sold with indorsement beginning 1921. Undivided profits include reserves for taxes; interest, etc., accrued prior to 1925. Deposits exclude dividends unpaid and, beginning 1910, certified and cashiers' checks outstanding; they include postal savings

June 30—	Number of banks	Loans and discounts	Investments	Capital, surplus, undivided profits	Individual deposits	Note circulation	June 30—	Number of banks	Loans and discounts	Investments	Capital, surplus, undivided profits	Individual deposits	Note circulation
1864....	477	71	93	79	¹ 119	26	1807....	3,610	1,978	484	963	1,770	197
1865....	1,204	392	407	380	² 308	131	1888....	3,582	2,164	555	956	2,023	190
1866....	1,634	650	408	494	533	268	1809....	3,583	2,508	651	947	2,522	199
1867....	1,636	588	447	512	640	202	1900....	3,732	2,644	774	1,013	2,458	265
1868....	1,640	650	443	529	576	205	1901....	4,165	2,981	885	1,082	2,042	319
1869....	1,619	686	416	549	574	203	1902....	4,535	3,247	945	1,184	3,009	306
1870....	1,612	719	400	662	542	261	1903....	4,949	3,442	1,066	1,286	3,201	359
1871....	1,723	789	425	594	602	308	1904....	5,331	3,622	1,121	1,340	3,312	400
1872....	1,853	872	438	626	619	327	1905....	5,668	3,930	1,239	1,407	3,784	446
1873....	1,968	926	445	662	641	339	1906....	6,053	4,237	1,283	1,494	4,056	511
1874....	1,983	926	451	676	623	330	1907....	6,429	4,664	1,446	1,608	4,323	548
1875....	2,078	973	443	687	686	318	1908....	6,824	4,640	1,572	1,673	4,375	614
1876....	2,091	934	427	670	641	294	1909....	6,926	5,061	1,648	1,748	4,800	641
1877....	2,078	902	431	656	636	290	1910....	7,145	5,456	1,612	1,856	5,071	676
1878....	2,056	835	460	629	622	300	1911....	7,277	5,634	1,762	1,939	5,314	682
1879....	2,048	836	461	615	649	307	1912....	7,372	5,974	1,861	1,990	5,671	709
1880....	2,076	905	451	624	634	318	1913....	7,473	6,162	1,889	2,053	5,829	722
1881....	2,115	1,145	484	642	1,032	312	1914....	7,525	6,445	1,915	2,057	6,125	723
1882....	2,239	1,209	471	660	1,067	309	1915....	7,605	6,665	2,068	2,105	6,426	728
1883....	2,417	1,286	465	707	1,043	312	1916....	7,579	7,769	2,352	2,103	7,880	676
1884....	2,625	1,270	448	739	979	295	1917....	7,604	8,992	3,013	2,217	9,321	660
1885....	2,689	1,258	432	725	1,106	269	1918....	7,705	10,165	3,957	2,279	10,066	682
1886....	2,809	1,309	407	760	1,146	245	1919....	7,785	11,027	5,048	2,418	11,865	677
1887....	3,014	1,560	329	806	1,285	167	1920....	8,030	13,637	4,180	2,684	13,672	688
1888....	3,120	1,628	356	842	1,292	155	1921....	8,154	11,979	4,025	2,796	12,373	704
1889....	3,239	1,779	323	875	1,422	129	1922....	8,249	11,193	4,563	2,848	13,229	726
1890....	3,484	1,934	311	935	1,522	126	1923....	8,241	11,780	5,070	2,876	14,009	720
1891....	3,652	1,964	309	988	1,535	124	1924....	8,085	11,958	5,142	2,916	14,819	730
1892....	3,759	2,128	347	1,011	1,753	141	1925....	8,062	12,696	5,730	2,970	16,321	649
1893....	3,807	2,020	356	1,029	1,557	155	1926....	7,978	13,327	5,842	3,089	17,057	651
1894....	3,770	1,944	435	1,001	1,678	172	1927....	7,796	13,854	6,308	3,269	18,203	651
1895....	3,715	2,017	447	987	1,736	179	1928....	7,691	14,927	7,147	3,571	19,300	649
1896....	3,689	1,972	464	983	1,668	190							

¹ Or nearest report date.

² Individual and other.

No. 274.—NATIONAL BANKS: PRINCIPAL RESOURCES AND LIABILITIES AS OF DECEMBER 31

NOTE.—Data include banks in Alaska and Hawaii

[All figures in millions of dollars]

	1911	1914	1916	1918	1919	1920	1921	1922	1923
RESOURCES									
Total resources ¹	10,443	11,357	15,388	20,544	23,685	22,799	19,944	21,975	22,406
Loans and discounts ²	5,695	6,363	8,438	10,447	12,784	13,544	11,466	11,552	11,811
United States Government securities.....	781	795	717	2,950	2,723	2,132	1,976	2,657	2,567
Other bonds, stocks, securities, etc.....	1,052	1,332	1,819	1,789	1,985	1,990	2,081	2,347	2,478
Lawful reserve with Federal reserve banks.....									
Items with Federal reserve banks in process of collection.....		262	707	1,180 286	1,312 457	1,185 423	1,143 350	1,221 456	1,181 400
Due from banks ³	1,668	1,453	2,276	2,540	2,900	1,873	1,599	2,230	2,360
Cash in vault.....	912	735	882	522	509	494	342	302	386
LIABILITIES									
Capital stock.....	1,026	1,066	1,071	1,110	1,153	1,272	1,282	1,317	1,326
Surplus.....	673	727	745	845	921	1,020	1,033	1,076	1,068
Undivided profits ⁴	265	282	302	389	431	564	465	529	474
Circulation outstanding.....	703	849	666	677	680	694	717	724	726
Due to banks ⁵	2,234	2,003	3,537	3,637	3,962	2,934	2,535	3,266	3,135
Demand deposits ⁶	4,918	4,934	6,792	8,991	10,292	9,501	8,568	9,529	9,555
Time deposits ⁷	469	1,207	1,936	2,474	3,140	3,632	3,749	4,319	4,943
United States deposits.....	53	72	35	313	449	212	188	304	168
Bills payable and rediscounts ⁸									
Acceptances.....	64	132	90	1,381	1,912	2,343	971	512	532
			100	305	408	375	219	223	222

	1924	1925	1926	1927	1928			
					All banks	Central reserve cities	Other reserve cities	Country banks
RESOURCES								
Total resources ¹	24,381	25,852	25,684	28,164	30,589	3,160	9,684	12,764
Loans and discounts ²	12,218	13,423	13,487	14,647	15,291	3,670	4,987	6,635
United States Government securities.....	2,587	2,523	2,283	2,748	8,009	720	1,148	1,141
Other bonds, stocks, securities, etc.....	3,076	3,252	3,508	4,152	4,119	496	983	2,639
Lawful reserve with Federal reserve banks.....	1,394	1,377	1,359	1,509	1,496	497	480	513
Items with Federal reserve banks in process of collection.....		487	572	543	520			
Due from banks ³	2,862	2,355	2,635	2,433	4,185	1,884	1,310	991
Cash in vault.....	410	390	353	361	388	36	99	253
LIABILITIES								
Capital stock.....	1,385	1,379	1,411	1,529	1,616	344	508	765
Surplus.....	1,089	1,167	1,217	1,314	1,490	435	425	630
Undivided profits ⁴	442	476	477	531	577	127	167	283
Circulation outstanding.....	715	648	646	650	650	39	161	450
Due to banks ⁵	3,908	3,696	3,431	3,661	4,074	2,096	1,495	483
Demand deposits ⁶	10,326	11,112	10,730	11,230	11,781	3,304	3,788	4,839
Time deposits ⁷	6,881	6,947	6,533	7,808	8,307	730	2,444	5,127
United States deposits.....	153	193	138	169	186	28	111	47
Bills payable and rediscounts ⁸	287	526	530	481	785	332	223	225
Acceptances.....	262	298	274	339	543	367	170	11

¹ Includes unspecified items.

² Includes rediscounts and overdrafts; excludes acceptances of other banks and bills of exchange or drafts sold with indorsement beginning 1921.

³ Includes exchanges for clearing house and other checks on local banks.

⁴ Less expenses and taxes paid; includes reserves for dividends, contingencies, etc., but excludes, beginning 1924, reserves for taxes, interest, etc., accrued.

⁵ Includes certified and cashiers' checks, letters of credit, and travelers' checks and beginning 1927, dividend checks outstanding.

⁶ Excludes dividends unpaid and certified and cashiers' checks outstanding.

⁷ Includes postal savings deposits.

⁸ Excludes acceptances of other banks and bills of exchange or draft sold with indorsement beginning 1921.

Source: Comptroller of the Currency, Treasury Department.

No. 275.—NATIONAL BANKS: NUMBER AND TOTAL RESOURCES, BY STATES, DECEMBER 31

[Resources in millions and tenths of millions of dollars]

Division and State	Number of banks					Total resources				
	1920	1924	1926	1927	1928	1920	1924	1926	1927	1928
Grand total.....	8,130	8,049	7,912	7,765	7,635	22,799.4	24,351.3	25,693.3	28,104.2	30,589.2
Continental U. S.....	8,124	8,043	7,908	7,759	7,629	22,788.7	24,350.0	25,689.1	28,148.6	30,573.5
New England.....	411	394	389	389	388	1,597.7	1,978.7	2,115.5	2,285.3	2,562.7
Maine.....	63	58	57	57	54	112.1	130.2	154.4	165.1	104.1
New Hampshire.....	56	54	55	55	50	63.7	74.0	79.5	84.4	88.0
Vermont.....	49	46	46	46	40	55.5	62.4	71.1	76.5	80.8
Massachusetts.....	160	157	155	153	154	1,059.4	1,357.5	1,406.3	1,570.9	1,614.9
Rhode Island.....	17	17	13	13	11	71.0	77.9	89.0	86.3	64.4
Connecticut.....	65	62	63	65	65	270.3	270.3	280.8	323.0	340.4
Middle Atlantic.....	1,573	1,654	1,712	1,725	1,728	8,791.3	9,649.8	10,187.3	10,800.0	12,002.7
New York.....	498	533	546	563	565	5,536.6	5,902.3	6,095.1	6,706.8	8,268.8
New Jersey.....	217	263	290	295	299	577.6	803.6	950.4	991.4	1,063.0
Pennsylvania.....	858	858	876	867	864	2,637.1	2,943.9	3,132.8	3,101.8	3,270.9
East North Central.....	1,392	1,332	1,372	1,344	1,330	3,948.9	3,899.9	4,204.3	4,369.3	4,734.7
Ohio.....	378	353	347	338	328	1,114.5	897.4	903.9	910.6	917.7
Indiana.....	253	247	240	230	224	420.7	420.9	438.3	456.7	482.6
Illinois.....	487	490	494	487	488	1,617.3	1,653.9	1,776.1	1,971.4	2,155.5
Michigan.....	116	122	134	133	134	407.4	501.9	571.6	590.5	640.3
Wisconsin.....	162	156	157	156	150	387.0	420.8	454.9	471.1	538.1
West North Central.....	1,598	1,514	1,384	1,350	1,314	2,458.7	2,483.1	2,340.3	2,433.0	2,472.3
Minnesota.....	340	330	286	281	273	920.9	700.1	648.3	685.6	697.5
Iowa.....	357	344	300	281	269	460.2	406.0	365.0	358.5	365.6
Missouri.....	133	131	136	136	134	473.4	663.0	662.7	708.0	690.9
North Dakota.....	130	165	146	141	133	99.3	112.1	97.9	97.7	96.9
South Dakota.....	136	114	100	97	96	104.8	90.8	75.5	77.6	82.8
Nebraska.....	137	173	160	157	156	206.3	254.3	232.1	238.0	254.7
Kansas.....	205	257	256	257	243	238.5	255.0	258.3	267.6	277.9
South Atlantic.....	733	732	702	696	699	1,674.0	1,811.6	1,947.9	2,064.4	1,990.8
Delaware.....	18	18	10	19	17	21.6	23.0	25.8	26.9	27.0
Maryland.....	92	84	84	84	83	295.6	291.9	311.7	330.8	309.9
Dist. of Col.....	15	13	13	13	12	111.4	144.5	157.4	104.9	173.6
Virginia.....	167	182	170	167	165	409.7	403.2	400.2	418.8	399.6
West Virginia.....	123	124	124	120	119	199.0	204.5	206.4	204.4	203.9
North Carolina.....	87	84	79	79	76	199.9	191.4	196.1	215.7	206.0
South Carolina.....	82	79	68	62	55	143.0	138.9	133.0	147.5	138.7
Georgia.....	94	93	82	83	81	194.9	205.3	206.2	280.8	285.2
Florida.....	55	55	63	62	62	128.3	203.3	312.1	205.6	246.9
East South Central.....	367	332	333	333	335	687.7	764.9	832.2	947.2	980.0
Kentucky.....	133	138	140	141	140	253.5	276.0	293.9	322.4	330.3
Tennessee.....	98	106	103	104	102	226.2	229.4	254.6	277.7	289.6
Alabama.....	105	102	104	106	107	152.3	180.0	191.8	247.6	261.8
Mississippi.....	31	36	36	37	36	55.7	79.5	91.9	90.5	98.3
West South Central.....	1,035	1,009	1,128	1,094	1,068	1,423.9	1,657.9	1,679.9	1,817.9	1,956.1
Arkansas.....	85	87	81	78	78	82.1	104.1	102.4	106.2	106.9
Louisiana.....	39	33	33	32	33	155.2	123.2	143.3	136.4	143.1
Oklahoma.....	355	407	353	341	325	360.7	425.0	414.1	440.7	470.6
Texas.....	556	572	650	643	632	830.9	1,000.0	1,020.1	1,134.6	1,230.5
Mountain.....	528	414	364	350	336	672.2	634.7	625.7	650.4	676.8
Montana.....	145	91	75	71	70	109.3	87.2	90.3	100.2	111.9
Idaho.....	86	67	55	52	44	32.4	62.3	61.8	63.2	56.6
Wyoming.....	47	32	32	29	26	64.8	46.9	47.4	45.0	46.8
Colorado.....	142	140	127	124	123	249.9	289.2	285.7	284.7	293.5
New Mexico.....	48	33	30	29	23	44.8	29.9	31.5	37.4	40.0
Arizona.....	21	19	15	15	15	35.0	29.2	28.1	32.1	37.7
Utah.....	28	21	20	20	20	69.0	61.5	61.0	66.4	67.3
Nevada.....	11	11	10	10	10	17.0	18.5	19.9	21.4	23.0
Pacific.....	493	472	472	433	413	1,531.7	1,498.5	1,736.3	2,061.0	2,807.4
Washington.....	94	111	107	111	110	257.3	305.8	319.1	340.3	357.0
Oregon.....	91	98	97	95	93	188.2	193.3	226.2	227.7	232.6
California.....	308	263	268	227	210	1,086.2	999.4	1,191.0	2,123.0	2,217.9
New York City ¹	31	35	33	33	32	4,038.0	4,681.6	4,799.3	5,269.9	6,789.0
Chicago ^{1,2}	10	13	12	13	10	1,039.1	1,003.7	1,063.3	1,240.5	1,371.0
Alaska.....	3	4	4	4	4	2.3	3.5	4.4	4.9	5.1
Hawaii.....	3	2	2	2	2	8.4	8.8	10.4	10.7	10.6

¹ Included in figures for respective States.

² Central reserve city banks.

Source: Comptroller of the Currency, Treasury Department.

NATIONAL BANKS

No. 276.—NATIONAL BANKS: SUMMARY, BY STATES, DECEMBER 31, 1928

NOTE.—All money figures in thousands of dollars. Figures include reserve cities in each State

Division and State	Number of banks	Total resources or liabilities	Loans and discounts ¹	Investments	Lawful reserve with Federal reserve banks	Capital surplus and undivided profits, net ²	National bank circulation	Demand deposits	Time deposits
Grand total.....	7, 035	30,589,156	15,291,269	7,127,318	1,496,316	3,598,303	650, 405	11,780,731	8, 306, 938
Continental U. S.....	7, 029	30,573,457	15,285,144	7,121,696	1,496,316	3,596,269	649, 893	11,774,872	8, 304, 861
New England.....	386	2,352,674	1,238,724	536,620	99,307	307,211	45,505	612,684	671,061
Maine.....	54	164,097	77,636	37,846	5,471	20,089	5,227	34,398	97,076
New Hampshire.....	56	88,040	43,233	28,902	3,694	14,492	4,078	39,060	21,580
Vermont.....	46	80,792	41,654	26,013	2,817	10,968	4,264	18,568	42,152
Massachusetts.....	154	1,614,893	842,879	315,274	72,341	194,393	18,297	639,997	395,918
Rhode Island.....	11	64,420	33,790	21,683	2,407	12,371	3,865	27,934	15,306
Connecticut.....	65	340,432	199,532	76,902	12,577	54,808	9,174	162,718	99,913
Middle Atlantic.....	1, 728	12,602,625	5,768,937	2,936,696	634,997	1,540,039	170,884	4, 606, 893	2, 682, 974
New York.....	565	8,268,796	3,573,264	1,588,415	483,227	913,233	67,437	3,110,594	1,265,931
New Jersey.....	299	1,062,069	584,066	315,883	42,761	130,804	22,544	373,208	466,448
Pennsylvania.....	864	3,270,860	1,610,167	1,032,338	139,009	496,611	80,903	1,116,091	1,100,600
East North Central.....	1, 330	4, 734, 697	2, 604, 419	1,073,023	245,849	644, 359	127, 279	1, 913, 426	1, 421, 127
Ohio.....	323	917,673	484,413	239,478	38,807	125,811	35,683	345,000	208,173
Indiana.....	224	482,636	252,641	119,493	20,894	50,454	21,845	102,007	162,490
Illinois.....	483	2,155,468	1,221,827	421,794	138,972	234,202	30,621	944,983	513,790
Michigan.....	134	640,833	345,916	160,858	25,101	68,599	17,796	242,432	248,932
Wisconsin.....	156	638,997	299,622	131,400	21,894	56,293	15,934	188,944	207,063
West North Central.....	1, 314	2,472,270	1,231,886	633,885	127,326	251,981	66,732	1, 020, 062	686, 372
Minnesota.....	278	697,531	327,424	202,807	34,442	68,214	14,085	245,251	260,870
Iowa.....	269	365,613	184,280	94,770	16,463	36,637	14,101	134,833	129,611
Missouri.....	134	696,899	373,470	150,730	40,548	76,996	16,211	310,639	124,071
North Dakota.....	133	96,873	46,249	28,809	4,238	9,012	3,259	37,510	41,294
South Dakota.....	98	82,754	36,064	26,825	3,779	7,776	2,119	36,402	29,702
Nebraska.....	150	254,714	132,034	57,237	13,196	23,762	7,421	109,377	53,290
Kansas.....	248	277,886	132,309	72,707	14,660	29,584	9,536	146,160	67,734
South Atlantic.....	669	1,990,849	1,136,239	408,032	79,323	263,323	63,596	686,188	663,085
Delaware.....	17	20,972	12,431	10,492	1,048	5,122	1,009	9,878	9,001
Maryland.....	83	309,922	160,045	80,615	13,032	38,246	7,875	100,172	114,403
Dist. of Col.....	12	173,635	95,434	33,794	9,005	22,100	3,861	74,709	44,006
Virginia.....	165	399,558	202,768	93,544	18,900	57,255	19,227	122,566	148,851
West Virginia.....	119	203,947	128,479	36,953	8,310	20,429	10,186	68,172	77,796
North Carolina.....	76	205,975	128,452	28,527	7,767	28,866	8,276	73,391	66,263
South Carolina.....	55	138,747	70,732	26,787	5,037	16,322	6,785	44,280	55,815
Georgia.....	81	285,211	164,363	44,656	11,627	36,519	7,036	107,081	86,102
Florida.....	62	246,861	107,555	77,824	10,032	29,470	4,742	85,339	90,853
East South Central.....	385	979,666	578,188	184,224	41,370	120,516	46,032	372,601	291,997
Kentucky.....	140	330,312	191,535	74,649	13,433	40,201	16,130	128,031	95,145
Tennessee.....	102	289,584	176,691	40,431	12,683	33,564	13,137	96,803	93,347
Alabama.....	107	261,772	164,924	48,942	11,127	36,375	13,637	107,140	70,795
Mississippi.....	36	98,988	55,038	20,202	4,127	10,376	3,128	40,627	32,710
West South Central.....	1, 068	1,956,143	1,001,487	389,895	104,869	209,957	58,220	872,685	346,999
Arkansas.....	78	106,927	55,895	24,708	4,657	12,536	3,738	49,007	32,458
Louisiana.....	33	148,100	87,273	16,161	6,837	16,409	4,317	71,930	22,235
Oklahoma.....	325	470,647	209,228	127,303	27,379	38,627	6,822	244,316	95,340
Texas.....	632	1,230,469	649,102	231,723	65,498	142,295	43,332	612,632	199,216
Mountain.....	336	676,763	311,040	137,503	35,007	67,628	14,908	317,713	210,001
Montana.....	70	111,917	52,947	32,963	5,304	9,659	2,359	51,234	41,010
Idaho.....	44	56,612	27,203	14,441	2,684	4,527	1,461	27,652	18,115
Wyoming.....	26	46,826	21,800	13,898	2,173	4,618	1,431	21,838	14,488
Colorado.....	123	293,453	129,302	82,592	15,874	25,220	4,212	133,417	94,166
New Mexico.....	28	40,041	18,877	11,073	2,213	3,203	1,255	25,391	7,718
Arizona.....	15	87,655	46,210	11,946	1,791	2,668	775	20,415	11,227
Utah.....	20	67,289	33,017	15,283	4,002	5,460	2,170	29,540	14,850
Nevada.....	10	22,960	11,684	5,302	966	2,273	1,195	8,326	8,418
Pacific.....	413	2,807,481	1,414,844	763,778	128,164	301,240	51,728	979,490	1, 099, 975
Washington.....	110	357,001	161,432	107,705	17,589	33,496	12,046	159,082	109,773
Oregon.....	93	232,564	90,518	89,300	10,984	22,611	5,162	96,677	87,323
California.....	210	2,217,916	1,162,894	566,713	99,591	245,133	34,520	716,861	902,874
New York City^{3,4}	22	6,788,959	2,829,356	1,048,973	302,002	755,749	33,221	3,649,161	633,673
Chicago³	10	1,371,008	839,654	166,992	104,979	157,914	6,118	654,337	197,059
Alaska.....	4	5,138	2,189	1,848	-----	481	62	2,888	1,768
Hawaii.....	2	10,561	3,936	3,874	-----	1,563	460	3,461	809

¹ Including rediscounts and overdrafts.

² Less expenses and taxes paid; excludes reserve for dividends, contingencies, etc.

³ Included in figures for respective States.

⁴ Central reserve city banks.

Source: Comptroller of the Currency, Treasury Department.

No. 277.—NATIONAL BANKS: LOANS AND DISCOUNTS, BY RESERVE CITIES AND STATES, DECEMBER 31

NOTE.—Notes and bills rediscounted and overdrafts are included. Acceptances of other banks and bills of exchange or drafts sold with indorsement are excluded

[All figures in thousands of dollars]

City, State, or Territory	1926	1927	1928	City, State, or Territory	1926	1927	1928
Grand total	13,487,258	14,047,042	15,201,209	Country banks	6,257,950	6,307,647	6,629,004
Continental U. S.	13,481,965	14,641,073	15,285,144	New England	634,727	648,839	684,998
New York City	2,312,561	2,748,209	2,829,856	Maine.....	60,294	72,426	77,636
Chicago ¹	687,301	738,772	839,654	New Hampshire.....	39,078	40,005	43,233
Other reserve cities	4,254,153	4,848,355	4,986,570	Vermont.....	85,771	87,705	41,054
Boston.....	496,410	536,097	563,726	Massachusetts.....	301,934	285,345	239,153
Albany.....	39,338	43,856	43,287	Rhode Island.....	34,876	33,537	33,790
Brooklyn and Bronx.....	46,858	60,870	47,434	Connecticut.....	153,774	179,821	190,532
Buffalo.....	10,673	16,228	20,939	Middle Atlantic	1,886,151	1,929,283	2,118,641
Philadelphia.....	514,878	481,317	478,865	New York.....	530,397	570,668	631,748
Pittsburgh.....	217,273	198,470	229,315	New Jersey.....	507,015	524,046	584,906
Baltimore.....	99,733	94,884	95,778	Pennsylvania.....	828,739	833,969	901,987
Washington.....	86,638	90,148	95,434	East North Central	1,074,760	1,070,807	1,130,449
Richmond.....	56,405	59,059	39,363	Ohio.....	300,202	295,341	311,501
Charlotte.....	16,390	16,390	17,462	Indiana.....	184,302	179,494	196,537
Atlanta.....	60,900	61,910	62,607	Illinois.....	299,610	299,374	308,129
Savannah.....	44,344	44,344	50,384	Michigan.....	142,828	143,220	161,893
Jacksonville.....	50,720	40,292	31,356	Wisconsin.....	147,818	148,378	152,419
Birmingham.....	31,467	49,082	53,782	West North Central	685,060	562,188	560,234
New Orleans.....	32,780	28,022	30,551	Minnesota.....	139,016	135,845	135,267
Dallas.....	90,726	98,332	108,096	Iowa.....	145,800	129,308	127,019
El Paso.....	13,749	14,225	16,731	Missouri.....	50,826	52,460	54,171
Fort Worth.....	43,080	48,307	52,164	North Dakota.....	40,092	47,361	46,249
Galveston.....	17,884	20,536	21,840	South Dakota.....	85,924	35,208	36,064
Houston.....	80,493	85,327	87,446	Nebraska.....	62,780	59,681	60,388
San Antonio.....	31,656	35,358	41,535	Kansas.....	101,422	102,285	101,076
Waco.....	12,682	12,308	12,331	South Atlantic	779,218	750,678	743,875
Little Rock.....	4,825	3,683	3,114	Delaware.....	12,236	12,477	12,431
Louisville.....	65,911	65,224	76,136	Maryland.....	59,933	60,736	64,267
Memphis.....	11,223	13,821	11,768	Virginia.....	208,180	216,838	223,415
Nashville.....	43,524	46,930	52,007	West Virginia.....	132,180	129,747	128,479
Cincinnati.....	90,334	95,555	52,446	North Carolina	126,783	110,493	110,980
Cleveland.....	62,844	62,554	62,030	South Carolina	70,893	80,108	70,732
Columbus.....	57,180	55,182	49,962	Georgia.....	59,147	59,780	51,372
Toledo.....	7,550	8,500	8,474	Florida.....	103,924	80,369	76,199
Indianapolis.....	53,383	57,206	56,104	East South Central	347,736	371,624	384,505
Chicago.....	39,042	40,285	53,912	Kentucky.....	112,258	114,499	115,399
Peoria.....	17,249	19,687	20,132	Tennessee.....	107,520	111,280	112,926
Detroit.....	148,312	121,082	160,035	Alabama.....	77,012	91,580	101,142
Grand Rapids.....	24,153	22,966	24,018	Mississippi.....	50,940	54,266	55,038
Milwaukee.....	103,473	101,226	147,203	West South Central	485,103	496,549	510,222
Minneapolis.....	122,895	123,066	118,812	Arkansas.....	55,405	53,877	52,751
St. Paul.....	66,688	60,508	73,345	Louisiana.....	56,613	52,020	56,721
Cedar Rapids.....	12,618	14,784	13,417	Oklahoma.....	93,148	92,973	91,791
Des Moines.....	21,120	20,728	21,561	Texas.....	279,937	296,779	308,959
Dubuque.....	4,534	5,808	5,673	Mountain	184,813	187,821	192,934
Sioux City.....	16,933	16,050	16,010	Montana.....	37,593	42,087	47,324
Kansas City, Mo.....	77,914	83,645	82,447	Idaho.....	31,091	28,226	27,203
St. Joseph.....	14,625	16,153	16,640	Wyoming.....	22,840	21,074	23,800
St. Louis.....	233,178	247,560	220,218	Colorado.....	48,334	48,371	49,774
Lincoln.....	14,585	14,048	14,642	New Mexico.....	14,852	16,884	18,877
Omaha.....	55,452	55,625	57,054	Arizona.....	12,929	13,943	16,210
Kansas.....	6,863	6,951	7,524	Utah.....	6,588	6,286	7,042
Topeka.....	8,108	7,028	7,150	Nevada.....	10,070	10,250	11,984
Wichita.....	16,157	17,293	16,563	Pacific	300,364	289,958	296,208
Helena.....	4,301	5,196	5,623	Washington.....	64,637	65,160	69,399
Denver.....	70,331	70,777	74,484	Oregon.....	45,938	44,137	45,810
Pueblo.....	6,315	5,569	5,024	California.....	189,789	180,611	180,997
Muskogee.....	5,968	5,521	5,655	Alaska	1,807	2,063	2,189
Oklahoma City.....	34,997	44,323	47,273	Hawaii	3,436	3,906	3,936
Tulsa.....	50,195	56,348	64,509				
Seattle.....	61,880	61,255	67,968				
Spokane.....	25,928	27,829	24,075				
Portland.....	58,292	49,792	44,708				
Los Angeles.....	268,958	382,706	340,648				
Oakland.....	19,487	19,891	23,243				
San Francisco.....	191,567	590,172	618,006				
Ogden.....	5,542	5,323	6,235				
Salt Lake City.....	21,160	22,964	19,740				

¹ Central reserve city banks.

Source: Comptroller of the Currency, Treasury Department.

No. 278.—NATIONAL BANKS: CLASSIFICATION OF LOANS AND DISCOUNTS, AS OF JUNE 30

NOTE.—Data include acceptances of other banks and bills of exchange or drafts sold with indorsement excluded since 1921 from data shown in other tables

[All figures in millions and tenths of millions of dollars]

Class	1911 ¹	1914	1918	1920	1922	1924	1926	1928
Total.....	5,610.8	6,430.1	10,152.1	13,620.6	11,243.2	11,978.7	13,417.7	15,145.0
On demand:								
Not secured by collateral.....	529.7	616.9	620.8	707.2	657.3	737.6	775.1	872.7
Secured by stocks and bonds.....	² 953.8	² 1,037.0	1,150.1	1,262.0	1,408.4	1,545.6	2,053.9	2,616.6
Secured by other personal securities, etc.....			300.2	392.3	270.6	263.6	324.4	334.3
On time:								
Not secured by collateral.....	3,009.0	3,403.4	5,297.3	7,605.0	5,818.2	6,123.6	6,344.1	6,225.7
Secured by stocks and bonds.....	² 1,052.4	² 1,372.8	1,428.1	1,855.9	1,490.1	1,550.7	1,982.8	2,497.1
Secured by other personal securities, etc.....			969.9	1,390.1	1,112.4	1,087.1	1,133.6	1,692.1
Secured by improved real estate under sec. 24, Federal reserve act:								
On farm lands.....					101.8	116.0	123.6	137.5
On other real estate.....			⁴ 85.6	⁴ 136.9	87.0	188.9	337.4	755.1
Secured by real-estate mortgages or other liens on realty not under sec. 24, Federal reserve act:								
For debts previously contracted—								
Farm lands.....					100.8	120.1	116.9	114.7
Other real estate.....					60.4	74.5	92.6	113.9
All other real-estate loans—								
Farm lands.....					6.5	9.0	11.6	22.9
Other real estate.....	⁵ 65.1		⁵ 99.5	⁵ 93.0	14.8	20.5	43.4	9.8
Acceptances of other banks discounted.....			145.2	146.8	75.9	91.0	78.3	155.6
Acceptances of reporting banks purchased or discounted.....			49.2	22.3	31.0	34.0	(?)	14.9
Customers' liability on drafts paid under letters of credit.....			16.3	9.2	3.1	1.4	(?)	(?)

¹ June 7.

² Includes loan secured by other personal securities.

³ Includes loans secured by other personal securities and by mortgages or other real-estate security.

⁴ Includes all real-estate loans under sec. 24, Federal reserve act.

⁵ Includes all loans secured by mortgages or other real-estate security.

⁶ Includes all real-estate loans not under sec. 24, Federal reserve act.

⁷ Not called for separately.

No. 279.—NATIONAL BANKS: SECURITIES OWNED, BY CLASSES, AS OF JUNE 30

[All figures in millions and tenths of millions of dollars]

Class of security	1911 (June 7)	1914	1918	1920	1922	1924	1926	1928
Total.....	1,762.4	1,914.9	3,957.2	4,186.5	4,563.3	5,142.3	5,842.3	7,147.4
Bonds, domestic:								
U. S. Government.....	754.7	799.3	2,116.8	2,269.6	2,285.5	2,431.8	2,469.3	2,801.2
State and local government.....	164.1	176.0	320.4	333.4	414.4	505.5	647.8	840.5
Railroad.....	301.2	341.7	406.1	416.4	486.5	573.6	631.4	681.0
Other public-service corporations.....	192.2	218.2	267.3	283.1	318.5	397.6	545.0	742.8
All other bonds.....	² 210.8	² 284.4	272.0	309.8	423.0	575.7	772.8	1,023.2
Stocks, domestic:								
Federal reserve banks.....			57.0	65.3	70.6	72.3	78.7	91.1
Other corporations.....	40.8	³ 43.7	42.7	40.4	59.2	74.8	90.6	105.2
Claims, warrants, judgments, etc.....	34.0	35.9	50.6	67.7	87.7	90.6	79.4	82.6
Collateral trust and other corporation notes.....			140.5	145.9	163.1	105.9	154.8	135.7
Foreign securities:								
Government bonds.....	10.5	10.0	227.6	180.0	162.1	179.5	225.9	296.5
All other.....	3.9	5.6	56.2	61.0	87.9	85.1	146.5	252.7

¹ Includes all United States securities.

² Includes various securities amounting to \$12,168,000 in 1911 and \$56,781,000 in 1914, with the Treasury as security for public deposits.

³ Includes \$900,000 erroneously shown by banks on face of banks' reports as bonds, etc.

Source of Tables 278 and 279: Comptroller of the Currency, Treasury Department.

No. 280.—NATIONAL BANKS; DIVIDENDS AND EARNINGS

NOTE.—The dividends and earnings are for years ending Mar. 1, prior to 1907, and for years ending June 30 thereafter. Net additions to profits are calculated before deducting dividends. Data include banks in Alaska and Hawaii

Yearly average or year (see note above)	Amount (millions of dollars)		Ratio (per cent)			Year (see note above)	Amount (millions of dollars)		Ratio (per cent)		
	Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus		Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus
1891-1895.	62.7	49.0	7.3	5.4	6.9	1916.....	157.5	114.7	10.76	6.38	8.76
1896-1900.	52.4	45.0	7.2	5.1	6.0	1917.....	194.3	125.5	11.61	6.79	10.52
1901-1905.	102.2	64.0	9.2	6.2	10.0	1918.....	212.3	129.8	11.82	6.78	11.09
1905.....	105.2	71.0	9.2	6.1	9.0	1919.....	240.4	135.6	12.15	6.83	12.11
1906.....	113.7	80.8	10.4	6.8	9.5	1920.....	282.1	147.8	12.10	6.70	12.78
1907 ¹	219.2	144.4	17.2	10.8	16.4	1921.....	216.1	158.2	12.42	6.88	9.40
1908.....	132.3	98.1	10.89	6.75	9.10	1922.....	183.7	165.0	12.69	7.04	7.79
1909.....	131.2	98.0	10.12	6.18	8.72	1923.....	203.5	179.2	13.48	7.47	8.48
1910.....	134.2	105.9	10.99	6.65	9.67	1924.....	105.7	163.7	12.27	6.78	6.11
1911.....	157.0	114.7	11.88	6.83	9.35	1925.....	223.9	165.0	12.05	6.63	9.00
1912.....	149.1	120.3	11.66	6.93	8.59	1926.....	210.2	173.8	12.20	6.65	9.54
1913.....	161.0	119.9	11.40	6.75	9.09	1927.....	252.3	180.8	12.26	6.62	9.24
1914.....	149.3	120.0	11.37	6.80	8.39	1928.....	270.2	205.4	12.83	6.81	8.06
1915.....	127.1	113.7	10.63	6.33	7.03						

¹ Mar. 1, 1906, to July 1, 1907.

No. 281.—BANKS OTHER THAN NATIONAL: PRINCIPAL RESOURCES AND LIABILITIES

NOTE.—Data relate in general to June 30. Banks in Alaska, Hawaii, Porto Rico, and Philippine Island are included

[All figures, except number of banks, in thousands of dollars]

	1910	1915	1920	1925	1926	1927
Number reporting.....	15,050	19,457	22,100	20,769	20,168	19,265
Resources.....	12,553,898	16,008,445	20,667,855	37,706,174	39,577,739	41,550,615
Loans and discounts ¹	7,005,907	9,093,528	17,263,796	21,073,900	22,623,107	23,348,344
Investments ²	3,111,410	3,813,563	7,201,960	9,669,669	9,972,888	10,361,875
Lawful reserve.....	1,191,401	1,644,064	2,712,040	1,302,046	1,545,415	1,526,902
Due from banks.....				2,088,561	1,859,627	1,990,498
Exchanges for clearing house, checks, and other cash items.....	137,064	126,539	533,952	1,042,599	971,165	1,042,167
Cash on hand.....	558,356	599,945	626,027	591,681	636,569	643,692
All other.....	488,058	729,856	1,330,980	1,847,628	1,968,967	2,128,137
Liabilities.....	12,553,898	16,008,445	20,667,855	37,706,174	39,577,739	41,550,615
Capital stock.....	890,377	1,094,322	1,478,473	1,800,276	1,800,431	1,902,325
Surplus fund.....	903,060	1,010,820	1,423,962	2,054,406	2,273,069	2,507,582
Undivided profits.....	191,136	325,022	429,473	525,728	635,534	622,785
Individual deposits ³	9,899,161	12,539,469	23,696,312	30,304,519	31,769,496	32,869,322
Due to banks ⁴	428,264	668,071	948,856	1,623,114	1,531,006	2,013,353
Bills payable and rediscounts.....	83,743	128,094	1,078,792	446,295	501,136	461,466
All other.....	163,955	242,037	711,987	861,836	1,006,966	1,133,782

¹ Includes rediscounts and overdrafts.

² Includes premiums on bonds.

³ Includes postal savings; excludes certified and cashiers' checks outstanding and dividends unpaid.

⁴ Includes certified and cashiers' checks and, in 1923, dividend checks outstanding.

Source of Tables 280 and 281: Comptroller of the Currency, Treasury Department.

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No. 281.—BANKS OTHER THAN NATIONAL: PRINCIPAL RESOURCES AND LIABILITIES—Continued

	1923					
	Total	State banks	Loan and trust companies	Private banks	Mutual savings banks	Stock savings banks
Number reporting.....	18,522	15,078	1,633	404	616	791
Resources.....	43,066,089	18,291,003	15,230,896	143,834	9,688,150	1,707,197
Loans and discounts ¹	24,437,341	9,484,872	8,303,479	86,806	5,511,918	1,050,176
Investments ²	11,624,366	3,542,177	3,874,652	28,959	3,750,991	427,987
Lawful reserve.....	1,652,457	802,255	819,697	2,588	-----	27,917
Due from other banks.....	1,736,441	908,578	510,014	13,287	210,698	87,864
Exchanges for clearing-house checks and other cash items.....	789,766	215,437	551,687	807	1,726	20,149
Cash on hand.....	572,732	367,270	151,571	2,817	31,162	19,912
All other.....	2,258,986	970,414	1,019,896	13,420	182,064	73,192
Liabilities.....	43,066,089	18,291,003	15,230,896	143,834	9,688,159	1,707,197
Capital stock.....	1,931,666	1,051,182	803,328	8,278	-----	68,878
Surplus fund.....	2,725,834	737,475	1,085,968	8,329	851,590	42,472
Undivided profits.....	668,924	285,926	215,538	1,775	148,586	17,099
Individual deposits ³	33,944,265	12,725,135	10,874,503	110,586	8,672,823	1,561,218
Due to other banks ⁴	1,792,625	623,887	1,155,329	1,575	878	11,456
Bills payable and rediscounts.....	764,961	399,365	349,926	11,980	640	3,141
All other.....	1,237,814	468,033	746,304	6,302	14,242	2,533

¹ Includes rediscounts and overdrafts.² Includes premiums on bonds.³ Includes postal savings; excludes certified and cashiers' checks outstanding and dividends unpaid⁴ Includes certified and cashiers' checks and, in 1923, dividend checks outstanding.

No. 282.—SAVINGS DEPOSITS AND SAVINGS DEPOSITORS IN BANKS AND TRUST COMPANIES: CONTINENTAL UNITED STATES, ON OR ABOUT JUNE 30

NOTE.—Data include time certificates of deposit and postal savings. The number of savings depositors in State banks and trust companies, stock savings and private banks, is not shown for earlier years, as data are very incomplete. Figures for this class of banks and totals exclude 6 States in 1926 and 1927 and 4 in 1928 and include for a number of others incomplete or estimated data or data for an earlier year.

Year	Savings deposits (millions of dollars)				Savings depositors (thousands)			
	All banks	Mutual savings banks	State, etc., banks ¹	National banks	All banks	Mutual savings banks	State, etc., banks ¹	National banks
1910.....	6,835	(²)	(²)	1,014	-----	(²)	-----	2,057
1911.....	7,063	3,459	3,024	1,480	-----	7,691	-----	2,341
1912.....	8,404	3,609	3,260	1,636	-----	7,880	-----	2,675
1913.....	8,548	3,812	3,368	1,369	-----	8,034	-----	2,965
1914.....	8,712	3,910	3,348	1,454	-----	7,901	-----	(³)
1915.....	8,807	3,945	3,541	1,321	-----	7,643	-----	(³)
1916.....	9,459	4,102	3,041	1,716	-----	7,917	-----	(³)
1917.....	10,876	4,339	4,364	2,173	-----	8,451	-----	(³)
1918.....	11,535	4,382	4,817	2,336	-----	8,326	-----	(³)
1919.....	13,040	4,732	5,532	2,776	-----	9,040	-----	6,763
1920.....	15,314	5,058	6,793	3,463	-----	9,079	-----	7,989
1921.....	16,501	5,568	7,265	3,677	-----	9,662	-----	8,100
1922.....	17,579	5,818	7,087	4,074	-----	9,687	-----	8,873
1923.....	19,727	6,273	8,767	4,686	-----	10,045	-----	9,899
1924.....	21,189	6,693	9,337	5,138	-----	10,384	-----	10,068
1925.....	23,134	7,152	10,172	5,810	-----	10,639	-----	11,805
1926.....	24,696	7,525	10,993	6,178	46,762	10,950	23,242	12,570
1927.....	26,091	8,040	10,963	7,098	48,355	11,190	22,828	14,337
1928.....	28,413	8,068	11,695	8,050	43,183	11,043	25,364	16,181

¹ Includes State, stock savings, and private banks and trust companies.² Separate data not available. Combined data for other than national banks included in total.³ Not available.⁴ Includes depositors in State banks in Ohio (2,337,000) and Idaho (39,000) not included in 1926 and 1927, which accounts for part of the increase.

Sources: Table 281, Comptroller of the Currency; Table 282, American Bankers' Association.

No. 283.—SAVINGS DEPOSITS AND SAVINGS DEPOSITORS IN ALL BANKS AND TRUST COMPANIES: BY STATES, ON OR ABOUT JUNE 30

Division and State	Savings deposits (millions of dollars)							Savings depositors (thousands), 1928
	1911 ¹	1916	1921	1925	1926	1927	1928	
Continental U. S.	7,983.1	9,459.3	16,500.7	23,184.1	24,698.2	26,090.9	28,413.0	53,188
New England	1,681.2	2,001.2	2,761.6	3,750.2	4,006.0	4,291.5	4,631.5	7,428
Maine	133.5	161.6	229.2	265.7	284.4	298.0	313.1	667
New Hampshire	95.2	118.8	151.7	190.5	201.7	213.8	228.2	382
Vermont	79.7	110.1	137.3	173.4	182.3	193.2	206.5	326
Massachusetts	833.2	² 1,097.5	² 1,507.7	2,139.5	2,275.7	2,439.6	2,652.7	4,140
Rhode Island	144.1	154.3	219.1	299.2	321.9	351.3	398.4	400
Connecticut	295.6	368.4	416.5	681.9	739.0	795.0	862.0	1,521
Middle Atlantic	2,682.1	3,108.9	5,724.0	8,773.6	9,882.5	10,228.7	11,252.8	18,215
New York	2,010.5	2,029.4	3,549.1	5,546.1	5,918.7	6,474.7	7,110.2	³ 9,041
New Jersey	259.1	338.3	672.1	1,040.9	1,127.3	1,237.5	1,356.3	2,748
Pennsylvania	712.5	740.7	1,502.8	2,187.5	2,836.5	2,510.5	2,776.3	6,426
East North Central	1,460.0	1,709.9	2,973.0	4,074.3	4,544.6	4,742.3	5,229.2	12,685
Ohio	425.0	511.3	852.7	1,164.1	1,252.0	1,275.7	1,500.1	⁴ 3,120
Indiana	142.0	100.1	200.8	259.5	259.5	404.5	409.6	⁵ 690
Illinois	440.6	524.4	928.3	1,258.6	1,385.4	1,456.4	1,610.4	4,881
Michigan	270.2	361.8	617.3	1,028.9	1,093.9	1,093.9	1,104.9	⁷ 2,694
Wisconsin	180.7	206.3	373.4	453.1	490.0	511.8	535.2	1,494
West North Central	727.8	978.8	1,729.5	1,978.1	1,945.0	1,806.9	1,993.7	4,069
Minnesota	165.8	263.2	475.6	636.6	631.9	625.8	632.7	1,102
Iowa	246.2	284.1	478.5	524.9	515.2	486.4	491.7	⁸ 1,600
Missouri	129.2	166.6	284.6	372.2	384.8	326.6	412.5	⁹ 946
North Dakota	32.4	67.7	102.0	95.0	92.9	80.4	76.0	104
South Dakota	43.3	67.6	116.1	102.1	85.6	65.8	68.6	92
Nebraska	67.4	70.3	⁶ 162.6	213.2	208.3	190.5	192.1	⁷ 462
Kansas	43.5	60.3	110.1	131.2	126.3	122.4	130.1	363
South Atlantic	395.6	511.2	1,048.0	1,418.7	1,499.5	1,540.8	1,669.0	4,011
Delaware	13.9	20.3	37.7	50.1	53.6	66.0	61.3	121
Maryland	134.6	160.0	275.9	395.8	399.0	435.7	500.9	985
Dist. of Columbia	7.1	18.5	50.0	80.8	80.2	88.3	96.3	334
Virginia	63.8	69.7	167.8	216.8	220.4	243.8	266.9	⁷ 613
West Virginia	53.6	67.9	132.1	150.6	154.8	163.7	168.8	460
North Carolina	29.6	38.7	104.3	142.3	148.8	156.7	167.7	489
South Carolina	29.7	39.6	95.4	112.0	103.7	92.1	97.5	⁷ 208
Georgia	44.0	55.6	118.4	132.0	150.6	139.8	157.0	⁷ 458
Florida	19.3	31.9	66.4	148.3	⁶ 178.5	163.3	152.6	348
East South Central	111.6	141.8	333.2	506.9	540.3	566.8	623.0	1,020
Kentucky	39.7	46.7	110.6	¹⁰ 176.4	179.7	¹¹ 191.7	222.9	⁷ 292
Tennessee	35.4	49.1	110.5	155.2	165.5	172.0	193.8	⁹ 172
Alabama	19.5	24.2	59.1	93.1	102.4	105.7	114.3	⁷ 321
Mississippi	¹² 17.0	21.8	53.0	82.2	92.7	97.4	101.5	⁷ 132
West South Central	37.8	111.7	328.0	440.1	482.1	483.4	530.0	1,101
Arkansas	11.5	12.0	34.0	65.2	70.3	73.1	74.9	151
Louisiana	36.3	41.1	100.4	123.3	134.0	129.4	135.3	398
Oklahoma	15.2	16.1	82.6	87.3	92.9	95.1	106.3	⁷ 154
Texas	24.8	42.5	108.4	164.3	164.0	185.8	213.5	395
Mountain	122.1	171.4	324.8	331.2	331.8	348.7	385.9	778
Montana	20.0	39.9	¹³ 78.1	55.8	58.9	63.0	74.2	110
Idaho	9.1	11.8	24.5	25.3	27.8	29.7	33.9	74
Wyoming	8.1	10.5	21.0	20.9	21.6	¹⁴ 22.1	24.7	43
Colorado	46.2	50.9	103.0	116.3	107.0	108.9	116.3	⁹ 190
New Mexico	5.7	8.0	14.0	7.3	7.5	8.5	10.0	43
Arizona	3.8	4.9	21.0	26.4	25.2	27.3	31.9	59
Utah	21.4	33.7	49.9	61.2	64.4	66.8	72.8	213
Nevada	4.8	2.7	13.3	17.5	10.4	20.3	21.6	20
Pacific	495.0	724.4	1,280.7	1,863.3	1,935.3	2,083.7	2,197.5	4,005
Washington	59.1	87.5	141.4	181.3	192.4	199.9	213.1	494
Oregon	27.9	39.1	78.8	105.9	113.8	115.7 ¹⁵	123.1	265
California	¹² 408.0	⁶ 597.8	1,060.5	1,576.1	1,679.1	1,768.1	1,861.3	3,216

¹ Includes demand certificates of deposit for national banks.

² Data for mutual savings banks as of Oct. 31, 1916 and 1921.

³ Includes 1927 data for all except mutual savings and national banks.

⁴ Includes 1927 figures for State banks, 1925 for mutual savings.

⁵ Includes demand certificates of deposit for banks other than national.

⁶ National and mutual savings banks only, data included for the latter being 1926 figures.

⁷ Data for banks other than national are for the latest year available, as follows: Michigan, Nebraska, Virginia, Georgia, and Oklahoma, 1927; South Carolina and Alabama, 1926; Kentucky, 1923; Mississippi, 1925.

⁸ Includes national and stock savings banks only, data for the latter being 1925 estimates.

⁹ National banks only. ¹⁰ Includes 1924 data for State banks. ¹¹ Includes 1925 data for all except national.

¹² Includes commercial deposits in State banks. ¹³ Data as of November, 1920, for State banks.

¹⁴ Includes 1926 data for all except national.

Source: American Bankers' Association.

SAVINGS DEPOSITS

No. 284.—SAVINGS BANKS: NUMBER OF DEPOSITORS AND AMOUNT OF SAVINGS DEPOSITS, CONTINENTAL UNITED STATES, 1820 TO 1910

NOTE.—Data for later years are as of June 30 or about June 30. In earlier years reports were of various dates. Prior to 1900 data include both mutual and stock savings banks; beginning 1900 they are for mutual savings banks only, which in that year had about 90 per cent of the savings deposits in all savings banks. For figures for later years and also savings deposits in all classes of banks, see Table 282

[Depositors in thousands, deposits in millions and tenths of millions of dollars]

Year	Depositors	Savings deposits	Year	Depositors	Savings deposits	Year	Depositors	Savings deposits
1820	9	1.1	1885	3,071	1,095.2	1898	5,230	2,027.2
1830	38	7.0	1886	3,159	1,141.5	1899	5,524	2,170.5
1840	79	14.1	1887	3,418	1,235.2	1900	5,370	2,134.5
1850	251	43.4	1888	3,838	1,364.2	1901	5,612	2,260.3
1860	694	149.3	1889	4,022	1,425.3	1902	5,871	2,380.2
1865	981	242.6	1890	4,259	1,524.8	1903	6,117	2,512.5
1870	1,631	549.9	1891	4,533	1,623.1	1904	6,280	2,602.0
1875	2,360	924.0	1892	4,782	1,712.8	1905	6,464	2,736.5
1880	2,336	819.1	1893	4,831	1,785.2	1906	6,753	2,908.7
1881	2,529	892.0	1894	4,778	1,748.0	1907	7,071	3,055.3
1882	2,710	966.8	1895	4,876	1,810.6	1908	7,137	3,065.7
1883	2,876	1,024.9	1896	5,065	1,907.2	1909	7,205	3,144.0
1884	3,015	1,073.3	1897	5,201	1,939.4	1910	7,482	3,360.6

Source: Comptroller of the Currency, Treasury Department.

No. 285.—MUTUAL SAVINGS BANKS: NUMBER OF DEPOSITORS AND AMOUNT OF DEPOSITS ON OR ABOUT JUNE 30

NOTE.—There are no mutual savings banks in States not shown

[Deposits in thousands of dollars]

Division and State	Depositors			Deposits		
	1920	1927	1928	1920	1927	1928
Continental United States.	10,050,082	11,189,978	11,043,386	7,525,189	8,039,784	8,668,090
New England	4,518,141	4,582,283	4,708,600	2,728,159	2,888,047	3,126,649
Maine	231,467	229,536	229,167	110,223	110,541	113,663
New Hampshire	245,083	248,551	331,672	148,667	156,273	187,481
Vermont	126,509	126,892	126,883	88,230	92,082	97,126
Massachusetts	2,878,058	2,910,872	2,931,837	1,701,863	1,808,750	1,955,956
Rhode Island	190,336	184,147	199,374	143,647	153,522	166,050
Connecticut	846,608	872,285	887,607	533,583	567,460	600,773
Middle Atlantic	5,018,251	5,810,186	6,091,933	4,329,112	4,649,031	5,005,471
New York	4,635,134	4,777,761	4,938,635	3,738,420	4,086,074	4,301,347
New Jersey	411,010	423,305	501,937	218,815	241,780	281,156
Pennsylvania	572,098	609,120	651,301	371,871	371,168	422,968
East North Central	146,904	140,904	148,921	109,080	117,548	129,164
Ohio	2 97,838	2 97,838	2 97,838	82,210	88,700	97,290
Indiana	33,374	33,374	33,374	20,377	21,928	24,182
Wisconsin	15,692	15,692	17,709	6,393	6,920	7,692
West North Central	131,035	137,616	140,023	61,027	64,779	69,594
Minnesota	131,035	137,616	140,023	61,027	64,779	69,594
South Atlantic	368,912	362,771	398,886	180,081	194,037	211,975
Delaware	46,426	46,921	47,480	22,500	23,404	24,400
Maryland	312,486	316,850	351,406	158,291	170,632	187,575
Pacific	176,819	150,218	150,972	118,931	125,742	125,237
Washington	2 106,479	78,173	84,923	42,072	48,210	50,416
California	70,340	72,045	72,049	70,859	77,532	74,821

1 Includes depositors in trust companies.

2 1925 figures.

3 1926 figures.

Source: American Bankers' Association.

No. 286.—SUMMARY OF POSTAL SAVINGS BUSINESS, 1911 TO 1928

Note.—In addition to main offices there were 786 branches and stations in operation on June 30, 1928. Data include Alaska, Hawaii, Porto Rico, and Virgin Islands

Year ended June 30—	Offices in operation at close of period	Deposits made during year	Withdrawals made during year	Balance to credit of depositors at close of period	Number of depositors at close of period	Savings stamps			Balance on deposit in banks at close of period
						Sold during year	Re-deemed during year	Out-standing at close of period	
1911	400	Dollars 778, 120	Dollars 100, 984	Dollars 677, 145	11, 918	Dollars 4, 826	Dollars 2, 933	Dollars 1, 888	Dollars 671, 671
1912	9, 907	30, 732, 357	11, 172, 418	20, 237, 084	243, 801	166, 479	134, 346	34, 021	13, 536, 042
1913	12, 158	41, 701, 383	28, 110, 597	33, 818, 870	331, 006	161, 291	154, 784	40, 528	31, 512, 337
1914	9, 630	47, 815, 219	38, 189, 848	43, 444, 271	388, 511	150, 390	141, 904	49, 014	40, 910, 673
1915	8, 832	70, 314, 858	48, 074, 421	65, 034, 708	525, 414	157, 424	150, 232	50, 206	60, 086, 319
1916	7, 701	76, 775, 893	56, 440, 691	86, 019, 885	602, 937	181, 173	168, 833	68, 546	80, 775, 686
1917	6, 423	132, 112, 217	86, 177, 466	131, 954, 696	674, 728	171, 392	108, 600	71, 338	126, 840, 820
1918	5, 926	116, 893, 259	100, 376, 450	148, 471, 499	612, 188	117, 804	130, 133	59, 068	140, 658, 608
1919	5, 715	136, 690, 122	117, 838, 361	167, 323, 260	565, 509	67, 796	70, 767	56, 097	135, 942, 981
1920	5, 583	139, 208, 054	140, 255, 892	157, 276, 322	508, 508	72, 006	69, 043	59, 120	126, 426, 019
1921	5, 554	133, 674, 840	138, 461, 259	152, 389, 903	466, 109	60, 024	62, 923	50, 221	148, 068, 108
1922	6, 020	96, 507, 746	111, 161, 210	137, 736, 439	420, 242	73, 672	68, 188	61, 704	141, 160, 417
1923	6, 047	88, 008, 160	94, 073, 299	131, 671, 300	417, 002	78, 197	76, 071	63, 230	61, 844, 062
1924	5, 995	94, 932, 346	93, 700, 011	132, 814, 136	412, 584	68, 006	68, 945	62, 891	99, 300, 074
1925	5, 896	89, 707, 901	90, 348, 915	132, 173, 211	402, 326	51, 888	53, 542	61, 232	97, 868, 486
1926	5, 853	90, 751, 051	88, 745, 704	134, 178, 558	399, 305	44, 050	46, 654	58, 028	101, 175, 541
1927	5, 896	103, 609, 868	90, 426, 172	147, 359, 254	411, 394	37, 563	37, 790	53, 400	114, 597, 400
1928	5, 897	96, 396, 490	91, 602, 404	152, 143, 349	412, 250	34, 145	34, 874	57, 672	118, 714, 519

No. 287.—POSTAL SAVINGS DEPOSITS AND DEPOSITORS: By STATES

State or Territory	Number of depositors, June 30, 1928	Balance to credit of depositors, June 30—		State or Territory	Number of depositors, June 30, 1928	Balance to credit of depositors, June 30—	
		1927	1928			1927	1928
United States ¹	412, 250	Dollars 147, 359, 254	Dollars 152, 143, 349	Montana	11, 071	Dollars 5, 540, 044	Dollars 6, 294, 396
Alabama	3, 094	363, 195	355, 135	Nebraska	1, 653	422, 413	719, 324
Alaska	843	678, 739	704, 365	Nevada	1, 003	343, 235	361, 868
Arizona	3, 150	1, 210, 653	1, 281, 970	New Hampshire	1, 219	371, 180	340, 257
Arkansas	1, 220	385, 895	597, 295	New Jersey	13, 478	2, 775, 937	2, 386, 029
California	0, 712	2, 927, 786	3, 168, 254	New Mexico	3, 158	1, 340, 875	1, 543, 375
Colorado	3, 472	3, 678, 951	3, 880, 436	New York	121, 636	39, 077, 850	32, 223, 430
Connecticut	4, 597	1, 422, 918	1, 256, 961	North Carolina	1, 104	216, 200	339, 893
Delaware	678	112, 891	106, 154	North Dakota	2, 982	1, 067, 638	1, 635, 747
Dist. of Columbia	1, 771	368, 599	361, 247	Ohio	7, 537	2, 963, 507	3, 042, 209
Florida	19, 080	4, 304, 816	6, 038, 135	Oklahoma	9, 416	3, 851, 186	5, 014, 072
Georgia	4, 381	999, 407	1, 288, 862	Oregon	7, 890	2, 607, 882	3, 356, 391
Hawaii	160	23, 595	21, 505	Pennsylvania	29, 639	10, 207, 493	9, 400, 371
Idaho	6, 772	2, 538, 111	2, 767, 062	Porto Rico	1, 695	189, 668	183, 072
Illinois	14, 579	7, 023, 067	6, 861, 211	Rhode Island	2, 305	567, 250	490, 001
Indiana	2, 530	885, 473	1, 134, 888	South Carolina	3, 103	1, 028, 135	1, 279, 377
Iowa	12, 627	7, 010, 271	8, 324, 547	South Dakota	7, 187	3, 321, 471	4, 088, 073
Kansas	6, 086	2, 444, 510	3, 288, 253	Tennessee	1, 201	424, 897	437, 457
Kentucky	1, 066	211, 009	267, 197	Texas	8, 066	2, 796, 445	3, 735, 456
Louisiana	1, 099	394, 211	354, 277	Utah	1, 115	618, 223	626, 604
Maine	634	135, 412	132, 655	Vermont	225	62, 581	63, 992
Maryland	628	178, 044	152, 011	Virginia	1, 226	242, 854	219, 463
Massachusetts	10, 010	6, 894, 905	6, 407, 355	Virgin Islands	79	11, 792	9, 489
Michigan	5, 401	2, 538, 637	2, 114, 289	Washington	14, 680	6, 773, 901	6, 874, 064
Minnesota	14, 185	5, 944, 158	7, 375, 548	West Virginia	757	467, 240	495, 582
Mississippi	452	97, 550	117, 413	Wisconsin	2, 944	1, 183, 933	1, 399, 667
Missouri	11, 427	4, 605, 486	5, 183, 190	Wyoming	3, 437	1, 858, 175	1, 956, 474

¹ Including Alaska, Hawaii, Porto Rico, and Virgin Islands.

Source of Tables 286 and 287: Report of the Postmaster General on the Postal Savings System.

No. 288.—BUILDING AND LOAN ASSOCIATIONS: NUMBER, MEMBERSHIP, AND ASSETS

NOTE.—Data for some States are compiled by fiscal years

Calendar year (see note)	Associations	Members	Assets (1,000 dollars)	Calendar year (see note)	Associations	Members	Assets (1,000 dollars)
1895	5,973	11,545,120	624,700	1917	7,269	3,838,612	1,769,142
1900	5,490	11,405,186	614,110	1918	7,484	4,011,401	1,898,344
1905	5,326	1,686,611	646,765	1919	7,788	4,280,326	2,126,620
1908	5,029	1,959,579	796,990	1920	8,624	5,026,781	2,534,320
1909	5,737	2,020,927	800,783	1921	9,255	5,809,888	2,890,765
1910	5,937	2,216,912	945,560	1922	10,000	6,364,144	3,342,531
1911	6,113	2,355,066	1,040,308	1923	10,744	7,202,880	3,942,940
1912	6,273	2,516,936	1,137,601	1924	11,844	8,554,362	4,765,937
1913	6,429	2,836,433	1,248,479	1925	12,403	9,886,097	5,600,176
1914	6,616	3,103,935	1,357,708	1926	12,626	10,065,705	6,334,104
1915	6,806	3,334,890	1,484,206	1927	12,804	11,336,261	7,178,562
1916	7,072	3,568,432	1,598,628	1928	12,666	11,995,005	8,016,034

State	Associations			Members			Assets (thousands of dollars)		
	1916	1926	1927	1916	1926	1927	1916	1926	1927
Alabama ²		20	48	20,000	64,700		15,000	43,601	
Arizona ²		6	0	3,925	4,400		1,682	1,942	
Arkansas	41	71	73	53,064	58,729	10,174	32,030	35,830	
California	90	176	191	42,250	223,440	261,232	32,704	190,107	241,797
Colorado	44	64	62	10,200	85,144	119,631	6,689	35,186	43,477
Connecticut	22	38	39	13,904	35,896	44,504	4,259	18,201	20,614
Delaware ²		41	42		16,250	17,750		8,844	10,212
Dist. of Columbia	18	22	22	38,008	59,299	63,768	22,145	50,729	57,192
Florida ²		73	115		27,000	28,500		39,358	40,840
Idaho		12	12		4,250	4,700		2,335	2,730
Illinois	649	881	910	230,667	840,000	861,000	105,478	355,509	383,098
Indiana	350	399	404	192,375	382,123	404,521	72,294	247,904	274,240
Iowa	50	74	74	39,035	71,800	83,049	9,630	40,772	43,497
Kansas	71	153	152	61,027	189,393	194,293	28,564	107,315	117,980
Kentucky	118	147	151	61,915	133,400	141,900	26,513	74,704	86,510
Louisiana	09	100	105	53,030	166,332	190,650	24,549	154,187	174,818
Maine	38	38	38	14,684	26,171	29,180	6,437	17,458	19,549
Maryland ^{2,3}		1,210	1,210		330,000	330,000		200,000	210,000
Massachusetts	183	220	221	236,760	466,492	497,220	113,306	425,511	478,005
Michigan	70	83	78	63,733	192,070	206,774	31,370	112,888	126,799
Minnesota	66	83	84	20,630	69,618	80,956	8,353	28,643	32,423
Mississippi		35	36		18,000	21,800		13,016	15,418
Missouri	157	243	251	50,404	216,000	229,305	23,544	139,462	159,774
Montana	16	31	30	2,737	37,500	41,500	1,040	13,739	16,338
Nebraska	72	83	83	94,927	218,907	236,681	47,918	153,123	165,214
New Hampshire	20	28	28	7,689	15,115	16,444	3,013	9,224	10,397
New Jersey	756	1,473	1,530	299,913	1,084,331	1,166,980	158,127	760,068	856,168
New Mexico	13	18	18	8,720	6,500	7,150	1,542	3,250	3,833
New York	254	309	313	200,814	504,003	555,242	79,630	297,707	349,534
North Carolina	148	240	235	42,400	96,590	102,000	15,905	86,715	91,000
North Dakota	10	18	19	5,600	15,300	16,800	2,747	7,788	8,859
Ohio	658	841	827	664,862	2,147,275	2,282,693	270,553	923,382	1,056,429
Oklahoma	37	90	89	13,200	167,410	184,810	4,200	103,343	110,319
Oregon ²		42	40		38,200	44,700		19,280	21,914
Pennsylvania	1,989	3,460	4,427	625,903	1,800,000	1,776,104	298,827	1,130,060	1,245,988
Rhode Island	7	7	7	10,114	31,819	34,437	5,361	19,639	22,630
South Carolina ²		152	160		26,800	28,000		22,782	23,000
South Dakota	13	26	24	8,880	7,015	7,705	3,514	5,000	5,497
Tennessee	14	24	32	5,348	11,275	14,775	3,321	6,716	9,127
Texas	27	133	143	5,875	124,951	145,350	1,942	70,805	92,632
Utah ²		24	24		96,284	92,021		30,964	37,252
Vermont	4	9	10	493	3,805	4,458	236	2,237	2,817
Virginia		79	87		51,500	56,300		44,557	50,150
Washington	84	72	72	43,000	249,338	268,404	12,078	89,001	101,252
West Virginia	47	60	60	20,500	54,500	60,200	7,750	28,704	36,128
Wisconsin	77	171	182	45,891	229,165	261,685	16,374	182,382	217,504
Wyoming ²		20	14		14,000	26,123		8,900	13,137
Other States ³	840	22	31	322,524	5,900	7,400	146,343	1,960	3,024

¹ Total membership of local associations only; Does not include national associations, membership of which declined to 44,484 in 1905, now extinct.

² Included in "Other States" in 1916.

³ Estimated.

⁴ Including depositors.

Source: United States League of Building and Loan Associations.

No. 289.—CERTAIN MAJOR ITEMS OF SAVINGS OF THE UNITED STATES

NOTE.—In millions of dollars. Increase in savings deposits is for fiscal years ended June 30; increase in assets of building and loan associations includes figures for calendar years for some States and fiscal years for others; other data are for calendar years. The last column should not be added to other items, as there is much duplication between it and them. For example, savings banks and life-insurance companies both invest their assets in the securities of corporations. On the other hand, many forms of savings, some of large amount, are not listed.

Year	Increase in savings deposits, all banks ¹	Increase in assets of building and loan associations	Premiums paid to life-insurance companies, less operating expenses			Additions to surpluses of corporations ²	New capital issues
			Total	Ordinary companies	Industrial companies		
1913.....	144	111	524	374	150		
1918.....	650	129	708	602	203		
1919.....	1,506	223	840	666	274		3,538
1920.....	2,274	408	931	610	321		3,635
1921.....	1,187	356	1,088	719	369		3,377
1922.....	1,078	452	1,108	770	410	1,747	4,304
1923.....	2,148	600	1,322	833	480	2,628	4,304
1924.....	1,462	823	1,514	947	567	1,575	5,593
1925.....	1,045	743	1,094	1,046	647	2,967	6,220
1926.....	1,562	825	1,873	1,145	720	2,335	6,344
1927.....	1,395	844	2,079	1,269	810		7,770
1928.....	2,042						8,050

¹ Includes postal savings funds deposited in banks.

² Net profit less cash dividends and income and profits tax as shown on income tax returns.

Sources: See sources of Tables 193, 282, 283, 317, and 323.

No. 290.—FEDERAL AND JOINT-STOCK LAND BANKS: NET MORTGAGE LOANS OUTSTANDING

NOTE.—All figures in thousands of dollars. Figures do not include the principal of delinquent installments. The principal of payments made in advance of maturity has not been deducted as in Tables 291 and 295. Figures for joint-stock land banks include loans of three banks in receivership.

Dec. 31—	Federal land banks	Joint-stock land banks	Dec. 31—		
			Federal land banks	Joint-stock land banks	
1918.....	150,214	8,384	1924.....	927,568	440,420
1919.....	293,595	60,038	1925.....	1,005,085	545,550
1920.....	340,679	77,959	1926.....	1,077,819	632,476
1921.....	432,523	85,017	1927.....	1,155,044	609,708
1922.....	639,486	218,775	1928.....	1,194,470	656,510
1923.....	790,597	392,639			

No. 291.—FEDERAL LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES OF EACH BANK, DECEMBER 31, 1928

[All figures in thousands of dollars]

Bank	Assets					Liabilities			
	Total	Not mortgage loans ¹	U. S. securities	Accrued interest	Cash on hand and in banks	Capital stock	Reserves and undivided profits	Farm loan bonds outstanding ²	Accrued interest
Total.....	1,285,246	1,193,846	23,004	18,527	16,213	64,754	17,729	1,174,543	18,586
Springfield.....	55,454	50,113	2,343	805	944	2,089	409	50,784	834
Baltimore.....	73,897	69,158	1,405	1,246	1,526	3,746	940	67,661	1,115
Columbin.....	73,361	64,919	3,431	1,064	1,327	3,520	760	67,560	883
Louisville.....	129,195	122,900	823	2,089	2,118	6,561	2,027	117,304	1,793
New Orleans.....	122,227	110,689	3,055	1,890	2,986	6,129	1,938	111,836	1,855
St. Louis.....	109,377	102,634	2,703	1,609	1,446	5,477	810	101,241	1,427
St. Paul.....	138,775	125,551	3,808	1,740	1,304	6,858	1,267	127,854	2,023
Omaha.....	171,431	163,412	3,848	2,487	466	8,672	3,048	156,495	2,543
Wichita.....	96,187	90,412	1,219	1,260	1,283	4,728	1,528	87,895	1,420
Houston.....	183,662	146,781	2,749	2,160	1,330	7,810	3,486	136,514	2,177
Berkeley.....	56,506	52,105	2,361	825	656	3,072	567	51,843	766
Spokane.....	105,176	96,282	250	1,351	832	6,192	40	94,551	1,098

¹ Less principal of delinquent installments and payments made in advance of maturity.

² Unmatured.

Source of Tables 290 and 291: Federal Farm Loan Board.

FEDERAL LAND BANKS

281

No. 292.—FEDERAL LAND BANKS; LOANS SUBMITTED FOR BOND ISSUE FROM ORGANIZATION, AUGUST 7, 1916, TO DECEMBER 31, 1928

[All money figures in thousands of dollars]

Bank and State	Number of loans	Amount loaned by banks	Land mortgaged (acres)	Appraised valuations		
				Total	Land	Buildings
Total	471, 024	1, 411, 672	85, 715, 505	4, 022, 018	3, 169, 049	852, 969
Springfield	19, 564	62, 368	2, 472, 700	202, 700	108, 848	63, 912
Maine.....	3, 211	8, 712	415, 616	23, 679	17, 208	11, 381
New Hampshire.....	674	1, 530	91, 682	6, 152	2, 687	2, 465
Vermont.....	1, 585	4, 783	285, 788	15, 321	8, 634	6, 637
Massachusetts.....	1, 850	5, 443	192, 082	17, 412	9, 180	8, 232
Rhode Island.....	184	501	16, 024	1, 690	1, 044	592
Connecticut.....	1, 601	5, 449	149, 703	10, 780	8, 742	8, 038
New York.....	8, 810	29, 774	1, 188, 868	98, 274	50, 455	47, 810
New Jersey.....	1, 640	6, 082	132, 937	19, 206	10, 807	8, 309
Baltimore	32, 278	86, 048	4, 100, 970	239, 903	173, 049	66, 864
Pennsylvania.....	7, 653	20, 726	830, 155	60, 373	36, 895	23, 478
Virginia.....	13, 812	36, 826	2, 009, 703	108, 332	75, 307	28, 026
Maryland.....	1, 273	5, 279	198, 558	27, 095	10, 076	4, 444
West Virginia.....	4, 917	9, 621	657, 200	14, 520	20, 347	6, 747
Delaware.....	160	531	18, 028	1, 449	953	496
Porto Rico.....	4, 403	13, 062	387, 326	33, 134	29, 471	3, 663
Columbia	37, 620	83, 171	5, 462, 813	228, 300	178, 442	52, 868
North Carolina.....	12, 685	23, 840	1, 338, 202	67, 721	49, 975	17, 740
South Carolina.....	7, 715	21, 369	1, 227, 544	59, 350	45, 040	14, 304
Georgia.....	12, 509	29, 055	2, 251, 666	77, 298	61, 124	16, 178
Florida.....	4, 711	8, 906	635, 401	23, 932	19, 298	4, 634
Louisville	45, 473	145, 575	5, 147, 980	387, 186	306, 095	81, 093
Tennessee.....	12, 400	30, 056	830, 155	60, 373	36, 895	15, 230
Kentucky.....	10, 469	32, 007	1, 289, 494	86, 005	66, 770	20, 135
Indiana.....	15, 008	53, 628	1, 593, 261	140, 674	114, 305	26, 209
Ohio.....	7, 596	29, 884	757, 261	80, 622	61, 002	19, 520
New Orleans	68, 871	135, 185	11, 052, 454	982, 225	288, 032	93, 993
Alabama.....	25, 785	46, 037	3, 953, 367	129, 279	96, 439	32, 839
Louisiana.....	14, 785	35, 608	2, 351, 929	99, 982	76, 921	23, 061
Mississippi.....	28, 301	53, 460	4, 767, 168	152, 704	114, 671	38, 093
St. Louis	37, 673	122, 007	4, 658, 447	311, 864	266, 402	45, 482
Illinois.....	9, 308	53, 983	950, 251	141, 058	121, 156	19, 902
Missouri.....	11, 225	38, 234	1, 564, 476	96, 980	80, 787	16, 193
Arkansas.....	17, 140	29, 785	2, 138, 720	73, 826	64, 459	9, 367
St. Paul	43, 104	159, 627	7, 067, 319	454, 112	320, 438	133, 674
Minnesota.....	11, 399	50, 370	1, 558, 712	139, 629	102, 783	36, 846
Wisconsin.....	9, 180	35, 474	1, 029, 142	100, 891	68, 127	32, 708
Michigan.....	11, 927	29, 874	1, 617, 982	90, 099	56, 438	33, 661
North Dakota.....	11, 192	43, 906	2, 864, 477	128, 489	93, 090	30, 400
Omaha	32, 388	192, 469	8, 718, 420	592, 370	491, 992	70, 989
Iowa.....	11, 316	89, 974	1, 336, 260	233, 759	209, 528	33, 231
Nebraska.....	10, 839	58, 056	4, 219, 050	208, 264	188, 008	29, 286
South Dakota.....	7, 510	38, 406	1, 860, 918	97, 442	83, 836	13, 605
Wyoming.....	2, 673	8, 230	1, 302, 072	22, 906	19, 609	3, 297
Wichita	34, 735	108, 600	10, 904, 289	391, 529	249, 154	52, 975
Kansas.....	10, 466	42, 242	2, 729, 475	113, 741	94, 472	19, 289
Oklahoma.....	8, 068	24, 145	1, 639, 825	64, 021	54, 086	10, 535
Colorado.....	9, 896	30, 073	3, 540, 721	87, 229	71, 933	15, 991
New Mexico.....	5, 705	12, 140	2, 984, 278	35, 239	28, 658	6, 681
Houston	62, 461	169, 292	16, 314, 044	436, 904	369, 677	67, 227
Texas.....	62, 461	169, 292	16, 314, 044	436, 904	369, 677	67, 227
Berkeley	17, 523	65, 420	2, 062, 892	170, 780	143, 425	27, 355
California.....	9, 655	37, 999	1, 125, 393	102, 255	83, 719	18, 536
Utah.....	5, 796	17, 676	567, 064	42, 305	37, 179	5, 126
Nevada.....	389	2, 814	178, 136	7, 108	6, 021	1, 087
Arizona.....	1, 683	6, 932	192, 269	19, 112	16, 505	2, 606
Spokane	39, 384	121, 705	7, 788, 253	344, 283	276, 507	67, 776
Idaho.....	8, 171	29, 079	1, 140, 238	78, 195	65, 985	12, 211
Montana.....	9, 163	27, 729	3, 687, 828	79, 443	64, 777	14, 066
Oregon.....	7, 622	25, 204	1, 465, 379	68, 453	56, 746	11, 707
Washington.....	14, 438	39, 693	1, 474, 808	118, 192	88, 999	29, 193

Source: Federal Farm Loan Board.

No. 293.—FEDERAL LAND BANKS: PURPOSES OF LOANS SUBMITTED FOR BOND ISSUE FROM ORGANIZATION, AUGUST 7, 1916, TO DECEMBER 31, 1928

NOTE.—For total amount of loans by districts see Table 292

[Amounts in thousands of dollars]

Bank	Purchase of land		Buildings and improvements		Equipments, fertilizer, livestock, and irrigation		National farm-loan association stock		To pay mortgages		To pay other debts	
	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Total.....	143, 064	10	72, 445	5	41, 537	3	72, 574	5	957, 314	66	104, 738	11
Springfield.....	10, 043	16	3, 049	5	1, 437	2	3, 118	5	41, 304	66	3, 355	5
Baltimore.....	7, 464	9	5, 001	6	2, 946	3	4, 300	5	50, 866	70	6, 470	6
Columbia.....	4, 454	5	5, 841	7	1, 691	2	4, 158	5	63, 055	76	3, 972	5
Louisville.....	21, 114	15	7, 409	5	3, 473	2	7, 281	5	86, 407	59	19, 884	14
New Orleans.....	7, 245	5	12, 293	9	4, 833	4	6, 753	5	91, 770	68	12, 372	9
St. Louis.....	11, 942	10	5, 107	4	2, 362	2	6, 100	5	85, 903	70	10, 593	9
St. Paul.....	10, 513	7	7, 659	5	2, 033	1	7, 980	5	111, 244	70	20, 223	13
Omaha.....	25, 871	13	4, 110	2	4, 746	3	5, 430	5	119, 690	62	28, 671	17
Wichita.....	12, 181	11	4, 094	4	5, 295	5	6, 691	5	63, 184	68	18, 416	15
Houston.....	19, 689	12	6, 460	4	5, 186	3	3, 463	5	113, 539	67	16, 055	9
Berkuley.....	3, 938	6	4, 451	7	2, 578	4	3, 267	5	43, 232	60	7, 955	12
Spokane.....	8, 711	7	7, 037	6	4, 976	4	6, 080	5	78, 112	64	10, 764	14

No. 294.—NATIONAL FARM LOAN ASSOCIATIONS: LOANS MADE FROM ORGANIZATION TO DECEMBER 31, 1928

NOTE.—4,087 associations were chartered to December 31, 1928, 297 of which were canceled

District and State	Number of associations operating	Loans ¹			District and State	Number of associations operating	Loans ¹		
		Number	Amount (1,000 dollars)	Average (dollars)			Number	Amount (1,000 dollars)	Average (dollars)
Total.....	4, 070	482, 432	1, 541, 435	3, 195					
District No. 1:					District No. 6:				
Maine.....	20	3, 268	8, 920	2, 730	Illinois.....	141	9, 497	56, 573	
New Hampshire.....	8	685	1, 568	2, 290	Missouri.....	161	11, 408	39, 575	
Vermont.....	13	1, 628	4, 385	3, 001	Arkansas.....	118	17, 410	31, 116	
Massachusetts.....	14	1, 892	5, 551	2, 934	District No. 7:				
Rhode Island.....	2	186	692	3, 184	North Dakota.....	196	11, 570	46, 359	
Connecticut.....	15	1, 638	5, 570	3, 400	Minnesota.....	180	11, 973	55, 783	
New York.....	50	8, 991	30, 359	3, 376	Wisconsin.....	137	9, 415	37, 878	
New Jersey.....	19	1, 581	6, 256	3, 957	Michigan.....	134	11, 785	31, 631	
District No. 2:					District No. 8:				
Virginia.....	87	13, 576	36, 384	2, 680	Iowa.....	156	11, 036	98, 895	
Maryland.....	20	1, 266	5, 294	4, 181	Nebraska.....	146	11, 264	63, 271	
Delaware.....	3	153	512	3, 344	South Dakota.....	99	7, 688	39, 404	
Pennsylvania.....	55	7, 542	20, 119	2, 668	Wyoming.....	37	2, 738	8, 775	
West Virginia.....	36	4, 856	9, 475	1, 951	District No. 9:				
Porto Rico.....		4, 545	13, 315	2, 929	Kansas.....	152	11, 542	48, 655	
District No. 3:					Oklahoma.....	123	9, 746	27, 297	
North Carolina.....	149	12, 898	25, 211	1, 955	Colorado.....	118	10, 364	32, 113	
South Carolina.....	117	7, 832	22, 263	2, 843	New Mexico.....	63	6, 086	13, 473	
Georgia.....	171	12, 825	30, 015	2, 340	District No. 10:				
Florida.....	71	4, 780	9, 257	1, 937	Texas.....	350	62, 111	181, 990	
District No. 4:					District No. 11:				
Tennessee.....	124	12, 690	31, 030	2, 445	California.....	107	10, 228	41, 620	
Kentucky.....	100	10, 800	33, 444	3, 697	Utah.....	71	5, 900	13, 604	
Indiana.....	116	15, 534	55, 966	3, 603	Nevada.....	7	430	2, 987	
Ohio.....	85	7, 844	30, 742	3, 919	Arizona.....	16	1, 767	7, 336	
District No. 5:					District No. 12:				
Alabama.....	126	26, 539	49, 392	1, 861	Idaho.....	90	8, 312	30, 121	
Louisiana.....	80	15, 127	37, 541	2, 482	Montana.....	157	9, 259	28, 893	
Mississippi.....	169	28, 823	57, 536	1, 996	Oregon.....	94	7, 688	26, 308	
					Washington.....	168	14, 815	41, 770	

¹ Including loans made through national farm loan associations and agents.

Source of Tables 293 and 294: Federal Farm Loan Board.

No. 295.—JOINT-STOCK LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES OF EACH BANK, DECEMBER 31, 1928

NOTE.—All figures in thousands of dollars. Banks in receivership are not included

District, bank, and location	Assets				Liabilities			
	Total	Net mortgage loans ¹	United States securities	Accrued interest	Capital paid in	Surplus, reserves, undivided profits	Farm loan bonds outstanding ²	Accrued interest
All banks.....	658,702	405,199	7,918	10,140	41,736	10,750	588,969	7,926
District No. 1: New York, Rochester, N. Y.....	14,850	14,153	-----	90	800	199	13,500	197
District No. 2:								
Potomac, Alexandria, Va.....	7,135	6,790	-----	117	400	124	6,453	77
Virginia-Carolina, Norfolk, Va.....	7,910	6,996	180	125	400	169	7,000	94
Maryland-Virginia, Baltimore, Md.....	2,733	2,619	-----	44	250	104	2,200	21
Pennsylvania, Philadelphia, Pa.....	7,404	7,025	-----	114	419	70	6,629	14
Virginia, Charleston, W. Va.....	17,360	16,101	-----	219	1,150	288	15,607	65
Greenbrier, Lewisburg, W. Va.....	2,920	2,755	-----	42	250	50	2,561	48
District No. 3:								
Atlantic, Raleigh, N. C.....	16,692	16,130	-----	268	908	379	14,435	215
Greensboro, Greensboro, N. C.....	5,595	5,088	228	92	250	177	4,831	49
North Carolina, Durham, N. C.....	15,271	14,315	-----	266	700	501	13,700	218
First Carolinas, Columbia, S. C.....	13,799	12,713	-----	187	166	38	12,553	193
Atlanta, Atlanta, Ga.....	6,573	6,029	200	82	350	58	6,000	73
District No. 4:								
Mississippi, Memphis, Tenn.....	4,445	4,206	-----	70	350	148	3,874	90
Tennessee, Memphis, Tenn.....	3,893	3,621	-----	59	250	109	3,475	54
Kentucky, Lexington, Ky.....	12,010	11,652	40	232	650	209	11,400	163
Louisville, Louisville, Ky.....	7,099	6,369	793	137	500	56	7,000	68
Union, Louisville, Ky.....	3,373	2,857	226	59	250	30	3,000	25
First, Fort Wayne, Ind.....	5,661	5,339	1	120	400	449	7,732	61
Fletcher, Indianapolis, Ind.....	16,467	16,647	163	403	750	732	14,718	118
Indianapolis, Indianapolis, Ind.....	405	383	1	7	250	6	200	1
Lafayette, Lafayette, Ind.....	9,845	9,520	87	161	300	448	8,909	70
Union Trust, Indianapolis, Ind.....	346	337	-----	7	250	66	-----	(³)
Ohio-Pennsylvania, Cleveland, Ohio.....	14,457	13,914	-----	172	770	295	13,000	155
District No. 5:								
First, Montgomery, Ala.....	9,631	9,247	-----	161	550	176	8,750	105
First, New Orleans, La.....	4,631	4,310	-----	85	250	102	4,047	46
District No. 6:								
Chicago, Chicago, Ill.....	59,153	48,398	619	567	4,000	-----	51,006	443
First Trust, Chicago, Ill.....	75,129	73,800	-----	1,081	4,000	689	68,716	909
Hincks, Monticello, Ill.....	7,353	7,152	-----	123	450	80	6,705	51
Illinois Midwest, Edwardsville, Ill.....	6,218	5,956	-----	100	350	80	5,675	56
St. Louis, St. Louis, Mo.....	22,782	21,637	52	382	1,430	367	20,593	209
Southwest, Little Rock, Ark.....	4,916	4,693	-----	97	285	68	4,413	62
District No. 7:								
Minneapolis Trust, Minneapolis, Minn.....	5,287	5,101	-----	77	450	310	4,460	37
Southern Minnesota, Minneapolis, Minn.....	27,926	20,657	804	323	3,000	-----	24,242	204
Union, Detroit, Mich.....	10,224	9,622	-----	183	500	208	8,944	150
District No. 8:								
Burlington, Burlington, Iowa.....	4,157	3,779	119	59	250	65	3,780	43
Des Moines, Des Moines, Iowa.....	15,219	12,453	304	199	1,150	-----	13,791	120
Iowa, Sioux City, Iowa.....	3,217	7,488	-----	120	500	259	7,333	95
Fremont, Lincoln, Nebr.....	10,190	9,702	-----	139	350	246	8,872	88
Lincoln, Lincoln, Nebr.....	39,751	36,613	154	573	2,711	729	35,636	475
District No. 9: Denver, Denver, Colo.....	15,844	15,153	-----	248	1,185	281	14,058	215
District No. 10:								
Dallas, Dallas, Tex.....	45,718	42,716	-----	1,232	2,560	737	40,375	644
First Texas, Houston, Tex.....	3,308	7,638	100	81	550	134	7,511	53
San Antonio, San Antonio, Tex.....	20,513	19,477	-----	563	1,227	234	18,379	272
District No. 11:								
California, San Francisco, Calif.....	17,375	14,070	3,060	153	916	483	15,061	82
Pacific Const, San Francisco, Calif.....	24,285	22,309	450	350	1,400	303	21,824	395
Pacific Coast, Salt Lake City, Utah.....	5,065	4,588	100	74	300	71	4,550	92
District No. 12:								
Northwest, Portland, Ore.....	107	42	-----	-----	91	16	-----	-----
Oregon-Washington, Portland, Ore.....	3,707	3,515	-----	43	250	20	3,365	50
Pacific Coast, Portland, Ore.....	7,779	7,477	50	81	450	261	6,925	148

¹ Less principal of delinquent installments and payments made in advance of maturity.

² Unmatured.

³ Less than \$500.

⁴ First Trust of Dallas, Tex., merged with First Trust of Chicago, Ill., in November.

Source: Federal Farm Loan Board.

No. 296.—JOINT-STOCK LAND BANKS: LOANS SUBMITTED FOR BOND ISSUE FROM ORGANIZATION TO DECEMBER 31, 1928

State	Number of loans	Land mortgaged (1,000 acres)	Appraised valuation (1,000 dollars)		State	Number of loans	Land mortgaged (1,000 acres)	Appraised valuation (1,000 dollars)	
			Land	Buildings				Land	Buildings
Total	121, 194	33, 821	1, 784, 180	351, 015	Nebraska.....	4, 101	1, 586	82, 242	11, 306
Alabama.....	1, 031	385	16, 298	3, 047	Nevada.....	35	38	1, 612	326
Arizona.....	508	51	0, 527	939	New Jersey.....	516	53	4, 244	3, 662
Arkansas.....	1, 754	559	35, 025	4, 759	New York.....	2, 682	338	23, 716	16, 799
California.....	2, 815	807	79, 051	11, 743	North Carolina.....	13, 623	1, 973	96, 515	32, 294
Colorado.....	1, 489	669	22, 993	4, 797	North Dakota.....	787	210	12, 695	2, 610
Georgia.....	1, 805	655	21, 627	6, 236	Ohio.....	1, 625	827	69, 696	27, 055
Idaho.....	999	107	3, 572	1, 598	Oklahoma.....	1, 522	489	17, 098	2, 280
Illinois.....	10, 673	1, 391	195, 679	20, 598	Oregon.....	1, 235	872	32, 399	4, 233
Indiana.....	8, 826	832	101, 460	16, 339	Pennsylvania.....	2, 858	324	18, 114	15, 601
Iowa.....	10, 648	1, 671	259, 744	34, 195	South Carolina.....	3, 059	764	31, 892	8, 713
Kansas.....	4, 787	1, 757	67, 452	8, 937	South Dakota.....	2, 962	3, 907	37, 710	6, 881
Kentucky.....	2, 561	375	30, 401	7, 804	Tennessee.....	2, 025	359	8, 953	2, 013
Louisiana.....	70	70	3, 395	683	Texas.....	13, 236	8, 236	212, 571	26, 720
Maryland.....	761	121	8, 391	4, 985	Utah.....	181	38	1, 747	825
Michigan.....	2, 344	270	20, 049	10, 675	Virginia.....	2, 600	610	25, 179	2, 846
Minnesota.....	4, 854	922	88, 528	17, 248	Washington.....	237	139	6, 932	969
Mississippi.....	581	310	22, 356	3, 314	West Virginia.....	2, 441	362	16, 888	6, 026
Missouri.....	4, 141	737	64, 991	8, 852	Wisconsin.....	1, 170	154	11, 576	4, 494
Montana.....	344	229	4, 846	1, 061	Wyoming.....	737	904	11, 898	1, 842

LOANS BY PURPOSES (amounts in thousands of dollars)

State	Total amount loaned	Purchase of land		Buildings and improvements		Equipment, fertilizer, livestock, and irrigation		To pay mortgages		To pay other debts	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Total	828, 373	87, 908	10. 7	26, 134	3. 2	17, 008	2. 1	637, 384	77. 4	54, 732	6. 6
Alabama.....	6, 009	314	5. 8	258	3. 9	100	1. 6	5, 575	84. 4	288	4. 3
Arizona.....	3, 689	381	8. 5	84	2. 3	37	1. 0	2, 992	81. 1	262	7. 1
Arkansas.....	15, 309	1, 107	7. 2	799	5. 2	679	4. 4	12, 031	78. 6	693	4. 6
California.....	35, 377	2, 061	5. 8	1, 490	4. 2	793	2. 2	27, 710	78. 3	3, 332	9. 5
Colorado.....	9, 886	923	9. 3	143	1. 4	268	2. 7	7, 742	78. 3	810	8. 3
Georgia.....	9, 646	754	7. 8	356	3. 7	348	3. 6	7, 573	78. 5	615	6. 4
Idaho.....	4, 658	322	6. 9	49	1. 1	43	1. 0	3, 982	85. 5	259	5. 5
Illinois.....	87, 604	12, 782	14. 6	1, 602	1. 8	1, 104	1. 3	64, 555	73. 7	7, 561	8. 6
Indiana.....	45, 893	9, 160	20. 1	1, 253	2. 7	720	1. 6	31, 846	69. 7	2, 729	5. 9
Iowa.....	121, 019	12, 188	10. 1	2, 937	2. 4	1, 289	1. 1	97, 425	80. 5	7, 181	5. 9
Kansas.....	30, 724	3, 093	10. 1	561	1. 8	620	3. 0	24, 188	78. 7	1, 962	6. 4
Kentucky.....	14, 906	1, 215	8. 2	394	2. 6	236	1. 6	12, 287	82. 4	773	5. 2
Louisiana.....	1, 429	47	3. 3	10	. 7	23	1. 6	1, 273	89. 4	71	5. 0
Maryland.....	4, 641	631	13. 6	165	3. 6	95	2. 0	3, 456	74. 5	293	6. 3
Michigan.....	10, 797	1, 347	12. 5	410	3. 8	234	2. 2	8, 195	75. 9	611	5. 6
Minnesota.....	42, 138	2, 885	6. 8	1, 027	2. 4	491	1. 2	35, 765	84. 9	1, 970	4. 7
Mississippi.....	9, 050	1, 095	12. 1	597	6. 6	195	2. 2	6, 441	71. 2	718	7. 9
Missouri.....	30, 824	2, 851	9. 3	993	3. 2	475	1. 6	24, 907	80. 7	1, 618	5. 2
Montana.....	2, 045	133	6. 5	67	3. 3	117	5. 7	1, 370	67. 0	367	17. 5
Nebraska.....	35, 832	5, 500	15. 4	699	1. 9	673	1. 9	26, 201	73. 3	2, 099	7. 5
Nevada.....	755	35	4. 6	5	. 7	61	8. 1	626	82. 9	28	3. 7
New Jersey.....	2, 630	305	11. 6	145	5. 4	89	3. 4	1, 971	74. 9	121	4. 7
New York.....	13, 609	1, 498	11. 0	490	3. 6	353	2. 6	10, 581	77. 7	688	5. 1
North Carolina.....	44, 538	3, 291	7. 4	3, 401	7. 6	1, 361	3. 1	33, 032	74. 2	3, 454	7. 7
North Dakota.....	4, 728	138	2. 9	65	1. 4	72	1. 5	4, 261	90. 1	192	4. 1
Ohio.....	35, 760	5, 341	14. 9	1, 290	3. 6	734	2. 1	26, 505	74. 1	1, 890	5. 3
Oklahoma.....	7, 710	675	8. 8	184	2. 4	355	4. 6	6, 092	79. 0	404	5. 2
Oregon.....	14, 204	1, 333	9. 4	268	1. 9	375	2. 6	11, 020	77. 6	1, 207	8. 5
Pennsylvania.....	10, 928	2, 007	18. 4	426	3. 9	231	2. 1	7, 600	69. 5	603	6. 1
South Carolina.....	16, 084	968	6. 0	721	4. 5	638	3. 3	12, 111	75. 3	1, 745	10. 9
South Dakota.....	17, 112	1, 101	6. 4	353	2. 1	147	. 9	14, 716	86. 0	796	4. 6
Tennessee.....	4, 129	398	9. 6	160	3. 9	94	2. 3	3, 304	80. 0	175	4. 2
Texas.....	94, 557	8, 983	9. 5	2, 814	3. 0	2, 560	2. 7	74, 716	79. 0	5, 454	5. 8
Utah.....	820	84	4. 2	21	2. 5	16	1. 9	718	86. 5	41	4. 9
Virginia.....	12, 412	1, 251	10. 1	614	4. 9	322	2. 6	8, 879	71. 5	1, 346	10. 9
Washington.....	2, 539	226	8. 9	37	1. 5	24	. 9	2, 097	82. 6	156	6. 1
West Virginia.....	7, 635	940	12. 3	958	12. 5	494	6. 5	4, 330	56. 7	914	12. 0
Wisconsin.....	5, 880	446	7. 6	251	4. 3	193	3. 3	4, 732	80. 4	258	4. 4
Wyoming.....	5, 261	145	2. 7	42	. 8	108	2. 0	4, 520	85. 9	447	8. 6

Source: Federal Farm Loan Board.

No. 297.—FEDERAL INTERMEDIATE CREDIT BANKS: PRINCIPAL ASSETS AND LIABILITIES, DECEMBER 31

[All figures in thousands of dollars]

	Assets				Liabilities		
	Total	Loans	Discounts	Cash on hand and in banks	Capital paid in ¹	Surplus and undivided profits	Debentures outstanding (unmatured)
All banks:							
1923.....	99,288	33,627	9,105	2,780	20,000	246	30,500
1924.....	120,040	43,507	13,760	8,384	24,000	908	49,710
1925.....	126,135	53,780	26,272	3,393	24,000	1,065	53,699
1926.....	135,008	52,704	39,730	4,074	25,000	1,861	68,580
1927.....	120,209	31,991	43,024	3,865	25,000	2,243	51,150
1928.....	121,875	36,174	45,103	3,339	27,000	2,074	44,875
Springfield.....	5,275		659	158	2,000	205	---
Baltimore.....	6,115	1,420	1,443	163	2,000	203	800
Columbia.....	9,020	3,121	2,274	420	3,000	---	3,625
Louisville.....	5,368	699	206	392	2,000	281	50
New Orleans.....	11,928	6,000	2,142	699	2,000	128	5,725
St. Louis.....	5,288	696	923	661	2,000	43	70
St. Paul.....	10,670	591	7,030	78	2,000	260	4,700
Omaha.....	9,395	520	5,804	40	2,000	166	2,350
Wichita.....	17,762	13,757	587	174	2,000	217	4,900
Houston.....	13,410	1,050	9,092	264	2,000	187	7,750
Berkeley.....	18,027	7,331	9,380	135	4,000	274	11,720
Spokane.....	9,617	994	5,564	39	2,000	161	3,185

¹ Each bank is capitalized at \$5,000,000, subscribed by the Treasury of the United States, subject to call. Only amounts shown have been called and paid in.

Source: Federal Farm Loan Board.

No. 298.—WAR FINANCE CORPORATION: STATUS OF ADVANCES MADE UNDER ALL SECTIONS OF THIS ACT, APRIL 5, 1918, TO NOVEMBER 30, 1928

NOTE.—When the corporation resumed operations January, 1921, there was outstanding \$111,117,610. The making of new loans was discontinued on Dec. 31, 1924, and all loans since that date are "expense advances" only. Figures for agricultural and livestock loans have been revised and adjusted so as to exclude all amounts representing renewals of loans and to include only net additional amounts advanced. For details of advances to Nov. 30, 1924, see Statistical Abstract 1924, Tables 245 and 246

	Amounts advanced	Repay-ments to Nov. 30, 1922	Repay-ments Dec. 1, 1922, to Nov. 30, 1924	Repay-ments Dec. 1, 1924, to Nov. 30, 1927	Repay-ments Dec. 1, 1927, to Nov. 30, 1928	Balance outstanding Nov. 30, 1928
Total.....	\$690,431,100	\$470,036,773	\$154,882,605	\$81,743,377	\$1,427,924	\$687,488
Advances under the war power of the corporation.....	306,771,211	279,091,966	10,688,867	10,700,373	9,840	190,160
Advances for export purposes prior to resumption of operations in January, 1921.....	46,347,654	46,347,654	-----	-----	-----	-----
Advances for export purposes since resumption of operations in January, 1921.....	38,653,540	36,593,543	2,059,990	-----	-----	-----
Advances for agricultural and livestock purposes under agricultural credits act of Aug. 24, 1921.....	\$268,658,094	108,003,609	142,133,744	44,052,003	1,418,084	497,308

¹ Includes expense advances amounting to \$15,191.

² Includes \$4,100 charged to profit and loss.

³ Includes expense advances amounting to \$1,070,732.

⁴ After deducting an additional amount of \$1,652,951 charged to profit and loss.

Source: War Finance Corporation.

No. 299.—CLEARING HOUSE EXCHANGES: SUMMARY FOR UNITED STATES

NOTE.—Prior to 1920 data are for all cities reporting to the New York Clearing House Association; commencing 1920 they are for 179 identical cities. The comparability of these figures is affected (1) by changes in the number of cities reporting, and (2) by the tendency toward consolidation of banks, eliminating former clearings between two or more banks. Debits to individual account (Tables 301 and 302) are a more significant measure of volume of payment. For States included in each division see Table 300

[All figures in millions of dollars]

Year ended Sept. 30—	United States	Outside New York City	New York City	Year ended Sept. 30—	United States	Outside New York City	New York City
1882.....	61,054	14,501	46,553	1891.....	57,181	23,127	34,054
1883.....	53,536	13,243	40,293	1892.....	60,884	21,604	39,280
1884.....	47,887	13,295	34,692	1893.....	58,881	24,460	34,421
1885.....	37,770	12,519	25,251	1894.....	45,028	20,798	24,230
1886.....	48,212	14,937	33,275	1895.....	50,075	22,711	28,264
1887.....	52,127	17,254	34,873	1896.....	51,936	22,585	29,351
1888.....	48,751	17,887	30,864	1897.....	54,180	22,842	31,338
1889.....	53,601	18,705	34,796	1898.....	65,925	20,072	39,853
1890.....	59,382	22,221	37,661	1899.....	68,829	31,401	57,368

Year ended Sept. 30—	United States		New England division	Eastern division		Southern division	Middle Western division	Western division	Pacific division
	Total	Outside New York City		Total	New York City				
1900.....	84,582	32,618	7,120	59,705	51,965	2,328	13,184	651	1,594
1901.....	114,820	37,709	8,036	86,306	77,021	2,650	15,193	735	1,809
1902.....	116,892	41,139	7,861	84,892	74,753	2,899	17,262	793	2,185
1903.....	118,963	43,130	7,796	81,533	70,834	3,266	17,979	838	2,551
1904.....	102,356	42,684	7,331	69,507	59,673	3,695	18,376	830	2,618
1905.....	140,502	48,623	8,467	103,765	91,879	4,016	20,097	964	3,194
1906.....	157,681	58,927	9,245	117,034	103,754	4,606	21,877	1,110	3,810
1907.....	154,477	59,161	9,712	108,662	95,315	5,113	24,740	1,384	4,860
1908.....	126,239	52,608	8,115	85,343	73,631	4,485	23,145	1,382	3,768
1909.....	158,877	69,620	9,372	111,501	99,268	5,108	20,182	1,700	4,514
1910.....	168,987	66,433	9,707	116,778	102,554	5,951	20,948	1,980	5,422
1911.....	159,540	67,119	9,616	106,742	92,420	6,528	20,062	1,938	5,654
1912.....	168,686	72,014	10,278	111,672	96,672	7,446	20,910	2,043	6,338
1913.....	173,193	75,071	9,807	114,430	98,122	6,750	33,338	2,221	6,647
1914.....	163,850	74,089	9,400	105,474	89,760	6,774	33,597	2,278	6,357
1915.....	163,189	72,347	9,022	105,793	90,843	6,411	33,442	2,410	6,112
1916.....	242,236	95,055	12,211	167,897	147,181	8,830	42,671	3,248	7,379
1917.....	305,062	123,528	14,433	208,061	181,534	11,771	56,149	4,485	10,163
1918.....	320,989	146,464	16,975	205,810	174,524	15,577	63,621	6,599	12,406
1919.....	387,854	173,151	19,237	252,255	214,703	20,707	72,366	7,695	15,594
1920.....	450,422	208,084	22,378	297,275	252,338	26,247	85,080	9,279	20,164
1921.....	374,227	170,145	17,340	243,087	204,082	18,689	69,570	7,595	17,946
1922.....	370,211	165,885	18,039	251,262	213,326	18,141	66,039	6,902	18,738
1923.....	408,334	193,713	21,801	259,423	214,621	21,547	75,636	7,384	22,543
1924.....	434,501	199,002	23,357	280,971	235,499	23,149	75,873	6,944	24,207
1925.....	495,785	218,911	25,050	327,767	276,874	26,036	83,604	7,610	25,719
1926.....	525,140	231,608	27,881	347,045	293,443	27,442	86,286	7,840	28,647
1927.....	536,792	228,632	29,319	358,909	307,159	25,229	86,021	7,784	28,529
1928.....	603,687	234,760	29,720	420,514	368,918	24,018	88,083	8,288	31,564

Source: Comptroller of the Currency, Treasury Department.

No. 300.—CLEARING HOUSE EXCHANGES: AMOUNT OF CLEARINGS IN EACH CITY

NOTE.—Totals are for all cities reporting to the New York Clearing House Association. Clearings of certain cities not reporting regularly are not shown separately

[All figures in millions and tenths of millions of dollars]

Division and city	1922	1927	1928	Division and city	1922	1927	1928
All cities.....	381,046.0	545,597.5	613,006.4	Southern.....	18,960.4	27,572.6	26,939.9
New England.....	18,068.8	29,358.2	29,760.9	Virginia:			
Maine:				Norfolk.....	391.1	² 351.3	² 279.0
Bangor.....	41.6	42.3	37.6	Richmond.....	2,214.6	2,517.9	2,342.7
Portland.....	154.2	198.1	199.0	Roanoke.....		354.7	350.8
New Hampshire:				West Virginia:			
Manchester.....	127.5	38.9	40.9	Charleston.....	175.5	212.5	212.8
Massachusetts:				Huntington.....	80.5	72.4	65.9
Boston.....	15,630.4	26,087.3	26,244.4	Wheeling.....	232.5	253.8	235.2
Fall River.....	91.5	103.5	96.2	North Carolina:			
Holyoke.....	41.6	46.5	39.0	Charlotte.....		618.5	688.8
Lowell.....	58.4	62.8	62.8	Raleigh.....	83.2	141.0	135.3
New Bedford.....	78.6	55.5	57.3	South Carolina:			
Springfield.....	219.0	284.7	290.2	Charleston.....	119.8	121.8	118.5
Worcester.....	181.7	187.9	184.5	Columbia.....	102.3	² 104.1	² 110.1
Rhode Island:				Greenville.....		90.5	106.4
Providence.....	570.0	727.3	800.4	Georgia:			
Connecticut:				Atlanta.....	2,191.2	2,690.8	2,057
Hartford.....	476.3	² 794.2	² 908.5	Augusta.....	90.1	111.9	103.0
New Haven.....	282.0	396.3	452.6	Brunswick.....		43.4	42.0
Stamford.....	127.4	184.9	211.1	Columbus.....	38.5	56.0	50.0
Waterbury.....	85.7	128.0	136.4	Macon.....	62.5	110.4	112.3
Eastern.....	251,978.3	369,066.1	424,861.9	Florida:			
New York:				Jacksonville.....	494.3	² 1,087.0	² 857.0
Albany.....	228.7	328.2	320.0	Miami.....		311.8	360.0
Binghamton.....	51.6	64.4	69.6	Tampa.....	114.7	262.0	192.9
Buffalo.....	1,908.7	2,711.3	2,766.9	Alabama:			
Elmira.....	53.9	55.9	55.9	Birmingham.....	1,015.9	1,303.3	1,300.8
Jamestown.....	53.5	73.1	70.4	Mobile.....	87.8	104.9	89.1
New York.....	219,326.4	307,158.6	368,917.7	Montgomery.....	68.7	84.7	89.1
Niagara Falls.....	51.2	² 60.8	² 80.6	Mississippi:			
Rochester.....	469.3	713.3	757.7	Hattiesburg.....		97.1	88.8
Syracuse.....	208.6	332.8	343.7	Jackson.....	42.7	32.2	105.2
New Jersey:				Meridian.....		54.7	50.8
Camden.....	435.2	144.9	133.4	Vienna.....	17.2	21.8	21.8
Montclair.....	22.5	44.6	47.0	Louisiana:			
Newark.....	² 381.5	1,342.5	1,482.6	New Orleans.....	2,209.9	² 3,082.6	² 2,078.2
Northern New Jersey:				Shreveport.....	215.0	280.6	201.1
Orange.....	50.1	² 80.5	² 84.7	Texas:			
Passaic.....	58.9	123.0	138.1	Amarillo.....		158.1	158.9
Trenton.....	198.4	346.5	363.6	Austin.....	80.5	84.0	92.1
Pennsylvania:				Beaumont.....	56.0	101.3	102.0
Altoona.....	52.2	80.1	82.1	Dallas.....	1,326.3	2,570.9	2,711.7
Bethlehem.....	160.3	² 232.5	² 260.1	El Paso.....	239.6	248.3	282.3
Butler.....	140.5	136.9	136.9	Fort Worth.....	569.0	680.8	705.5
Chester.....	74.4	69.1	69.1	Galveston.....	338.5	549.9	569.9
Franklin.....	17.0	16.5	14.3	Houston.....	1,200.7	1,903.7	1,784.9
Greensburg.....	64.8	82.6	81.3	Port Arthur.....	19.7	² 31.6	² 29.7
Harrisburg.....	201.2	249.6	246.0	San Antonio.....	326.0	591.2	350.0
Lancaster.....	129.0	114.1	105.5	Waco.....	128.2	100.1	146.6
Lebanon.....	26.8	33.5	32.6	Wichita Falls.....	92.5	157.2	146.6
New Brighton.....	32.0	38.2	37.4	Arkansas:			
Norristown.....	27.9	48.1	52.7	Little Rock.....	449.2	725.4	744.4
Oil City.....	141.3	181.7	200.2	Toxarkana.....		30.5	34.3
Philadelphia.....	21,514.2	28,427.0	28,671.0	Kentucky:			
Pittsburgh.....	6,538.9	9,417.1	9,189.6	Lexington.....	80.5	² 95.4	² 106.3
Pottsville.....		36.7	34.4	Louisville.....	1,277.7	1,815.8	1,933.4
Reading.....	137.3	223.7	221.1	Owensboro.....	23.0	19.3	20.1
Scranton.....	231.4	333.5	330.3	Paducah.....	82.7	² 115.6	² 122.9
Warren.....		34.5	29.7	Tennessee:			
Wilkes-Barre.....	140.8	212.1	207.0	Chattanooga.....	294.9	422.0	442.7
York.....	66.5	94.7	105.1	Knoxville.....	143.7	² 170.1	² 173.7
Delaware: Wil-				Memphis.....	883.2	1,140.0	1,165.1
mington.....	124.3	165.8	204.5	Nashville.....	899.8	1,154.1	1,187.5
Maryland:				Middle Western	66,770.1	89,327.0	90,642.3
Baltimore.....	3,881.0	5,622.7	5,263.0	Ohio:			
Frederick.....	19.9	25.4	25.0	Akron.....	309.4	326.8	368.5
Hagerstown.....	31.9	42.9	43.1	Canton.....	205.7	203.1	210.6
District of Colum-				Cincinnati.....	2,888.7	3,868.1	3,925.3
bia: Washington.....	956.3	1,395.1	1,400.1	Cleveland.....	4,424.2	6,410.4	6,661.8
				Columbus.....	708.6	911.9	963.8
				Dayton.....	227.0	415.3	417.3

¹ Nine months.

² From Commercial and Financial Chronicle.

³ Six months.

⁴ Composed of banks in northern New Jersey, Jersey City, Hoboken, Bayonne, and Union.

No. 300.—CLEARING HOUSE EXCHANGES: AMOUNT OF CLEARINGS IN EACH CITY—Continued

[All figures in millions and tenths of millions of dollars]

Division and city	1922	1927	1928	Division and city	1922	1927	1928
Ohio—Continued.				South Dakota:			
Bamilton.....	33.5	² 48.6	² 55.6	Aberdeen.....	62.1	68.2	72.0
Lorain.....	15.9	23.6	22.0	Sioux Falls.....	130.0	85.2	82.5
Mansfield.....	68.1	100.0	99.5	Watertown.....		10.8	12.7
Marion.....		34.4	31.6	Nebraska:			
Springfield.....	179.0	291.1	278.9	Prerant.....	19.7	20.4	21.4
Youngstown.....	175.9	285.0	322.6	Hastings.....	27.8	² 24.8	² 27.5
Zanesville.....		166.4	156.9	Lincoln.....	100.4	² 251.7	² 253.1
Indiana:				Omaha.....	2,068.0	2,081.4	2,282.7
Evansville.....	255.2	304.3	277.9	Kansas:			
Fort Wayne.....	97.3	154.7	171.6	Atchison.....	23.0	18.3	20.0
Gary.....	104.5	309.9	222.5	Kansas City.....	218.5	130.0	110.5
Hammond.....		245.3	240.0	Lawrence.....	16.5	23.0	22.3
Indianapolis.....	376.8	1,206.8	1,197.7	Manhattan.....	13.4	16.2	16.3
New Albany.....	0.3	² 10.0	² 8.9	Parsons.....	14.9	9.7	11.1
South Bend.....	100.9	161.4	161.9	Pittsburg.....	27.0	77.7	81.9
Terre Haute.....	135.3	298.9	280.3	Topeka.....	142.2	171.1	192.3
Illinois:				Wichita.....	542.0	² 425.0	² 468.1
Aurora.....	47.5	86.3	70.0	Montana:			
Bloomington.....	65.0	82.9	94.3	Billings.....	40.6	33.4	37.1
Champaign.....		74.2	70.0	Great Falls.....	43.1	² 51.0	² 65.3
Chicago.....	27,102.2	35,462.0	36,043.8	Helena.....	167.0	159.6	178.3
Danville.....	143.5	50.6	50.2	Lewistown.....	17.3	0.3	0.9
Decatur.....	67.2	70.6	67.6	Wyoming:			
Jacksonville.....	16.2	20.4	19.0	Cheyenne.....	66.4	32.0	
Peoria.....	176.9	253.3	273.5	Colorado:			
Quincy.....	64.8	81.0	78.1	Colorado Springs.....	52.8	62.2	70.0
Rockford.....	95.1	180.0	185.8	Denver.....	1,522.9	1,697.4	1,821.1
Springfield.....	115.3	139.0	148.2	Grand Junction.....		42.5	43.0
Michigan:				Pueblo.....	39.0	67.0	73.2
Adrian.....	10.8	14.2	14.0	Oklahoma:			
Ann Arbor.....	33.9	59.1	49.9	Bartlesville.....	34.1	42.3	35.9
Detroit.....	5,074.3	8,741.4	9,700.0	Oklahoma City.....	1,083.7	1,630.4	1,561.8
Flint.....	79.7	173.2	196.5	Okmulgee.....		37.0	29.9
Grand Rapids.....	313.5	415.0	432.4	Tulsa.....	355.4	592.2	603.4
Jackson.....	48.0	² 95.8	² 104.1	Pacific:			
Kalamazoo.....		304.7	322.0		18,760.7	29,278.3	32,402.1
Lansing.....	115.2	142.2	156.4	Washington:			
Muskegon.....		62.8	62.0	Bellingham.....		47.7	43.2
Pontiac.....	7.5	63.0	81.3	Olympia.....		18.2	19.3
Wisconsin:				Seattle.....	1,618.4	2,338.0	2,604.7
Green Bay.....		69.1	67.2	Spokane.....	517.1	651.9	706.0
Madison.....	90.7	185.6	187.2	Yakima.....	74.6	73.9	82.5
Milwaukee.....	1,512.2	2,240.9	2,181.4	Oregon:			
Oshkosh.....	31.6	51.7	52.5	Eugene.....	14.8	26.8	24.9
Minnesota:				Portland.....	1,563.6	2,005.6	1,968.8
Duluth.....	301.4	427.3	454.5	California:			
Minneapolis.....	3,266.0	3,941.1	4,373.0	Bakersfield.....	52.3	66.4	67.7
Rochester.....	20.5	31.5	32.7	Berkeley.....	195.4	251.4	290.5
St. Paul.....	1,580.4	1,540.4	1,615.2	Fresno.....	1,139.0	² 220.2	² 216.0
South St. Paul.....	74.6	80.5	80.7	Huntington Park.....		24.0	29.7
Winona.....	26.9	26.1		Long Beach.....	219.6	367.2	407.6
Iowa:				Los Angeles.....	4,860.1	9,254.6	10,299.7
Cedar Rapids.....	104.6	146.0	151.1	Modesto.....	37.2	46.1	44.4
Charles City.....		11.0	11.1	Oakland.....	644.3	974.8	1,022.8
Davenport.....	507.3	534.9	507.9	Pasadena.....	187.7	349.1	355.0
Des Moines.....	484.1	525.3	521.9	Riverside.....	28.6	² 57.8	² 53.9
Iowa City.....	30.4	26.4	26.0	Sacramento.....	315.3	415.5	387.5
Muscatoine.....		84.1	79.2	San Bernardino.....		118.8	125.4
Sioux City.....	275.4	327.5	351.8	San Diego.....	150.5	302.2	289.6
Waterloo.....	67.2	67.0	70.7	San Francisco.....	7,065.6	9,609.1	11,352.2
Missouri:				San Jose.....	109.8	148.3	167.6
Cape Girardeau.....		49.5	47.0	San Pedro.....		44.3	44.5
Joplin.....	61.6	61.2	62.2	Santa Barbara.....		74.3	89.1
Kansas City.....	6,728.3	7,392.9	6,551.0	Santa Monica.....	54.9	115.4	113.3
St. Joseph.....	412.2	342.6	361.6	Santa Rosa.....	23.9	25.4	27.4
St. Louis.....	6,587.9	7,359.0	7,470.4	Stockton.....	151.8	143.8	137.6
Sedalia.....	20.2		20.8	Idaho: Boise.....		² 60.0	² 67.3
Springfield.....		89.8	90.5	Utah:			
Western:	7,379.7	7,996.3	8,389.6	Ogden.....	75.1	84.2	93.8
North Dakota:				Salt Lake City.....	650.3	891.4	962.4
Fargo.....	97.5	² 73.0	² 102.4	Nevada: Reno.....	31.1	² 35.5	² 36.2
Grand Forks.....	57.0	² 71.1	² 72.2	Arizona: Phoenix.....		320.3	392.5
Minot.....	15.5	² 16.7	² 20.8				

¹ Nine months.² From Commercial and Financial Chronicle.

Source: Comptroller of the Currency, Treasury Department.

No. 301.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES, BY DISTRICTS AND BY MONTHS

[All figures in millions of dollars]

Year	Total	Total, excl. New York City	New York City	Boston district (11 cities)	New York district (7 cities)		Philadelphia district (10 cities)	Cleveland district (13 cities)	Richmond district (7 cities)
					Incl. New York	Excl. New York			
1919	455,294	211,175	244,119	25,898	250,880	6,701	19,400	23,559	8,611
1920	483,026	241,596	241,430	28,137	240,375	7,945	22,092	27,677	9,635
1921	399,036	191,941	207,095	21,736	213,911	6,816	18,690	21,105	8,235
1922	439,364	199,509	239,855	22,392	247,067	7,212	19,955	22,290	7,716
1923	403,728	225,330	238,396	24,851	246,493	8,097	22,301	26,140	8,561
1924	401,691	228,161	263,680	25,675	271,861	8,331	22,773	25,775	8,298
1925	570,004	256,690	318,374	29,014	322,843	9,460	25,255	28,726	9,193
1926	607,956	268,901	339,055	31,033	348,833	9,778	26,248	30,022	9,336
1927	673,861	282,303	391,658	33,566	401,819	11,260	27,291	32,180	9,231
1928	806,408	306,195	500,211	34,228	511,584	11,374	30,463	33,317	9,086

Year	Atlanta district (15 cities)	Chicago district (21 cities)			St. Louis district (5 cities)	Minneapolis district (9 cities)	Kansas City district (15 cities)	Dallas district (10 cities)	San Francisco district (13 cities)
		Incl. Chicago	City of Chicago	Excl. Chicago					
1919	11,139	50,669	33,595	17,074	12,920	8,240	14,814	6,165	22,903
1920	12,612	59,056	37,954	21,112	13,543	8,902	16,322	7,240	28,226
1921	9,883	46,837	30,832	16,005	10,401	6,788	12,207	5,807	23,937
1922	9,679	49,304	32,331	16,973	10,939	6,971	12,550	6,010	24,562
1923	11,187	55,367	35,279	20,088	12,794	7,495	13,494	6,217	28,936
1924	11,721	55,903	35,723	20,272	12,812	8,240	12,778	6,227	29,535
1925	13,914	63,573	40,470	23,105	14,360	9,059	14,193	17,197	32,731
1926	14,264	67,217	42,859	24,378	14,741	9,301	14,824	17,474	35,663
1927	19,790	70,135	45,970	24,225	14,750	8,689	15,088	7,782	39,470
1928	13,707	70,062	51,162	27,960	15,495	9,297	16,083	8,415	45,670

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
All districts:												
1919	34,020	28,163	32,171	32,686	37,027	39,211	41,056	37,944	38,532	44,474	42,536	46,565
1920	45,367	35,788	43,431	41,044	39,257	40,347	39,868	38,275	37,378	41,028	39,696	42,948
1921	38,029	29,728	33,903	32,235	32,612	33,606	31,615	30,097	31,025	34,323	33,441	38,020
1922	34,944	30,685	36,392	36,388	37,976	39,236	36,066	34,136	35,768	40,745	36,160	40,437
1923	41,763	35,926	42,185	39,294	40,072	40,574	36,504	33,496	34,060	38,911	38,504	42,448
1924	41,493	37,368	40,739	39,519	40,044	40,230	40,131	38,692	38,972	43,418	41,893	49,157
1925	49,082	41,517	47,023	44,558	45,696	48,031	47,037	43,134	45,264	52,956	43,367	54,399
1926	54,145	44,915	56,464	51,837	48,020	50,662	50,959	47,011	46,954	52,535	47,384	57,070
1927	54,715	48,220	58,513	55,583	54,143	56,820	53,682	53,702	56,750	59,201	57,085	65,441
1928	62,885	54,494	70,634	67,003	71,616	72,485	58,981	58,504	63,176	72,894	71,340	82,386
All districts, excl. New York City:												
1919	16,810	13,071	15,472	15,363	16,697	17,641	18,629	17,668	18,036	20,248	19,185	21,705
1920	21,731	17,734	21,146	20,324	19,676	20,541	20,805	18,904	19,779	20,891	19,625	20,640
1921	17,996	14,599	16,550	15,886	15,342	15,852	15,175	14,911	15,523	16,713	15,949	17,446
1922	16,879	14,042	16,535	16,071	16,322	17,173	16,343	15,849	16,563	18,423	17,133	19,686
1923	19,666	16,906	19,044	18,816	19,868	19,532	18,184	17,307	17,261	19,769	18,521	20,367
1924	19,384	17,512	19,193	18,805	18,639	18,304	18,062	17,776	18,238	20,912	18,846	21,330
1925	22,200	18,593	21,241	20,613	20,449	21,701	21,679	19,869	20,895	24,039	21,563	24,086
1926	28,607	20,102	23,459	22,537	21,429	22,466	23,900	20,778	21,336	23,780	21,694	24,493
1927	23,457	20,781	24,026	23,676	22,873	23,812	22,932	22,043	23,381	25,111	23,803	26,503
1928	26,001	21,755	25,847	25,225	26,346	27,029	23,897	23,401	24,450	27,705	25,850	29,659
New York City:												
1919	18,119	14,492	16,698	17,323	20,330	21,570	22,427	20,276	20,446	24,226	23,351	24,860
1920	23,036	18,054	22,285	21,320	19,581	19,806	19,033	17,371	17,600	20,137	20,171	22,408
1921	20,033	15,130	17,353	16,349	17,171	17,755	16,340	15,196	16,103	17,610	17,492	20,375
1922	19,065	16,543	20,397	20,717	21,654	22,063	19,713	18,287	19,215	22,322	19,027	20,851
1923	22,087	19,019	22,541	20,479	20,704	21,041	18,321	16,189	16,799	19,152	19,983	22,081
1924	22,114	19,836	21,546	20,654	21,406	21,469	20,916	20,734	22,506	23,047	23,047	27,327
1925	27,682	22,924	26,382	23,945	26,179	26,930	25,458	23,265	24,369	28,916	27,009	30,313
1926	30,538	24,313	33,005	29,300	26,571	28,196	27,659	26,233	25,618	28,756	25,790	32,577
1927	31,268	27,439	34,192	32,007	31,270	33,093	30,760	31,653	33,369	34,091	33,282	38,938
1928	37,884	32,740	44,786	41,778	45,270	45,455	35,085	35,102	38,725	45,189	45,469	52,727

1 Revised to include 8 banks in Houston, Tex., figures for which did not become available until 1927. Source: Federal Reserve Board.

No. 302.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES

NOTE.—All figures in millions of dollars. For totals by districts see Table 301

District and city	1920	1921	1922	1923	1924	1925	1926	1927	1928
Boston district:									
Bangor, Me.....	193	187	168	180	169	167	181	185	188
Boston, Mass.....	20,777	16,953	16,331	17,948	18,709	21,500	23,450	25,240	26,208
Fall River, Mass.....	470	318	363	413	359	401	355	376	371
Hartford, Conn.....	1,292	1,085	1,144	1,314	1,449	1,565	1,682	2,236	2,568
Holyoke, Mass.....	219	152	171	211	182	199	196	243	217
Lowell, Mass.....	300	233	244	272	231	249	247	243	239
New Bedford, Mass.....	437	308	340	383	366	404	360	364	322
New Haven, Conn.....	1,024	855	901	1,050	1,087	1,164	1,206	1,280	1,403
Providence, R. I.....	2,051	1,606	1,639	1,826	1,804	1,984	1,958	1,958	2,176
Waterbury, Conn.....	301	288	340	395	403	455	469	480	549
Worcester, Mass.....	982	751	751	859	857	926	929	943	928
New York district:									
Albany, N. Y.....	1,109	1,246	1,251	1,239	1,410	1,544	1,608	1,758	1,853
Binghamton, N. Y.....	229	107	213	242	235	263	270	279	299
Buffalo, N. Y.....	3,025	2,929	3,145	3,025	3,630	4,203	4,322	4,437	5,220
New York, N. Y.....	241,431	207,096	230,856	238,396	268,531	313,373	330,055	301,538	500,211
Passaic, N. J.....	434	269	301	387	397	491	510	547	679
Rochester, N. Y.....	1,711	1,491	1,587	1,790	1,856	2,076	2,106	2,194	2,273
Syracuse, N. Y.....	925	693	714	814	802	888	961	1,046	1,144
Philadelphia district:									
Altoona, Pa.....	171	158	162	206	180	189	197	207	207
Chester, Pa.....	280	224	231	287	278	304	322	275	316
Lancaster, Pa.....	311	201	270	318	335	366	351	351	396
Philadelphia, Pa.....	18,518	16,457	16,767	18,443	18,841	21,109	21,938	22,840	26,078
Seranton, Pa.....	798	779	700	895	906	882	915	923	931
Scranton, N. J.....	645	573	615	712	755	820	871	905	968
Wilkes-Barre, Pa.....	459	438	420	524	583	589	565	587	611
Williamsport, Pa.....	224	216	210	217	200	215	230	249	253
Wilmington, Del.....	465	392	391	493	440	504	531	670	807
York, Pa.....	234	198	212	238	252	274	279	283	298
Cleveland district:									
Akron, Ohio.....	1,258	680	683	868	878	1,081	1,130	1,218	1,343
Cleveland, Ohio.....	9,180	6,422	6,583	7,774	7,588	8,359	9,088	9,708	10,188
Columbus, Ohio.....	1,565	1,425	1,564	1,898	1,614	1,766	1,926	2,017	2,068
Dayton, Ohio.....	629	555	675	594	816	936	1,058	1,132	1,166
Erie, Pa.....	410	314	315	396	373	412	434	435	454
Greensburg, Pa.....	284	219	226	267	266	250	240	270	254
Lexington, Ky.....	337	215	261	289	202	277	281	290	297
Oil City, Pa.....	172	127	153	158	158	179	172	186	212
Pittsburgh, Pa.....	10,714	8,497	8,798	10,097	10,140	11,316	11,342	12,273	12,190
Springfield, Ohio.....	188	194	222	250	234	265	289	297	281
Toledo, Ohio.....	1,421	1,390	1,842	2,132	2,163	2,494	2,637	2,857	3,354
Wheeling, W. Va.....	496	493	454	553	518	560	568	560	626
Youngstown, Ohio.....	802	564	603	740	730	842	848	854	893
Richmond district:									
Baltimore, Md.....	5,599	5,091	4,318	4,524	4,527	5,072	5,205	5,052	4,942
Charleston, S. C.....	456	301	297	354	310	334	320	331	325
Charlotte, N. C.....	454	309	378	495	527	550	612	650	690
Columbia, S. C.....	356	240	262	296	282	237	229	281	292
Norfolk, Va.....	1,036	723	704	691	825	865	951	898	850
Raleigh, N. C.....	240	208	250	304	337	406	313	297	297
Richmond, Va.....	1,403	1,364	1,408	1,577	1,518	1,709	1,690	1,711	1,720
Atlanta district:									
Atlanta, Ga.....	1,613	1,254	1,331	1,603	1,669	1,905	1,961	1,880	2,026
Augusta, Ga.....	487	291	312	370	330	336	320	331	331
Birmingham, Ala.....	905	707	643	1,290	1,410	1,604	1,726	1,794	1,806
Chattanooga, Tenn.....	631	423	377	449	450	615	582	537	594
Jacksonville, Fla.....	724	533	593	652	730	1,188	1,341	1,047	903
Knoxville, Tenn.....	373	308	318	377	378	383	413	423	441
Macon, Ga.....	350	210	215	254	257	291	287	270	272
Mobile, Ala.....	466	311	313	355	342	423	470	453	452
Montgomery, Ala.....	265	180	204	260	262	292	288	314	333
Nashville, Tenn.....	1,338	1,171	795	876	836	978	1,003	1,090	1,220
New Orleans, La.....	4,214	3,001	3,262	3,552	3,852	4,314	4,146	4,189	4,109
Pensacola, Fla.....	122	77	75	86	86	107	107	96	92
Savannah, Ga.....	880	490	540	540	499	560	603	610	534
Tampa, Fla.....	320	281	300	377	440	904	921	579	468
Vicksburg, Miss.....	93	76	82	93	100	102	96	92	95
Chicago district:									
Bay City, Mich.....	180	130	121	128	130	158	162	157	153
Bloomington, Ill.....	150	121	121	137	130	155	156	157	172
Cedar Rapids, Iowa.....	536	514	503	333	410	500	486	499	546
Chicago, Ill.....	37,954	30,832	32,321	35,279	35,723	40,470	42,839	45,079	51,102
Davenport, Iowa.....	436	346	400	406	354	382	410	432	510
Decatur, Ill.....	217	159	165	182	191	232	240	248	250
Des Moines, Iowa.....	1,145	842	826	976	1,025	894	875	986	937
Detroit, Mich.....	7,883	5,746	6,385	7,918	8,223	9,971	10,482	10,225	13,427
Dubuque, Iowa.....	188	151	153	174	183	185	185	195	202
Flint, Mich.....	484	255	301	387	374	380	439	524	605

For footnotes see p. 291.

No. 302—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS
IN 141 PRINCIPAL CITIES—Continued

District and city	1920	1921	1922	1923	1924	1925	1926	1927	1928
Chicago district—Continued.									
Fort Wayne, Ind.	411	346	368	472	485	522	510	516	560
Grand Rapids, Mich.	1,152	978	730	801	803	1,026	1,040	995	1,052
Indianapolis, Ind.	2,020	1,631	1,706	1,890	1,811	1,884	2,207	2,223	2,279
Kalamazoo, Mich.	273	212	218	249	245	273	262	307	344
Lansing, Mich.	318	250	266	416	352	403	402	385	420
Milwaukee, Wis.	3,533	2,766	2,886	3,283	3,142	3,398	3,620	3,700	3,740
Peoria, Ill.	553	408	429	474	487	554	571	578	644
Rockford, Ill.	330	241	239	288	293	330	381	398	432
Sioux City, Iowa	825	482	771	898	934	1,033	976	867	690
South Bend, Ind.	244	284	370	471	487	594	608	588	596
Waterloo, Ind.	218	143	177	217	211	221	236	244	273
St. Louis district:									
Evansville, Ind.	284	258	341	387	354	472	492	581	582
Little Rock, Ark.	534	507	555	732	805	884	979	954	995
Louisville, Ky.	1,217	¹ 1,565	1,645	1,906	1,998	2,262	2,358	2,312	2,458
Memphis, Tenn.	1,753	1,203	1,422	1,736	1,650	1,823	1,821	1,952	1,912
St. Louis, Mo.	8,755	¹ 6,808	6,975	8,033	8,006	8,944	9,090	8,951	9,548
Minneapolis district:									
Aberdeen, S. Dak.	97	74	66	67	73	84	81	81	90
Billings, Mont.	122	90	89	97	86	91	95	100	117
Duluth, Minn.	1,291	911	885	921	1,270	1,277	954	1,112	1,094
Fargo, N. Dak.	177	132	135	148	139	173	186	158	229
Grand Forks, N. Dak.	93	68	81	95	84	101	108	99	103
Helena, Mont.	132	128	118	113	114	114	103	100	116
Minneapolis, Minn.	4,650	3,581	3,609	3,885	4,405	5,069	4,084	4,838	5,295
St. Paul, Minn.	2,232	¹ 1,706	¹ 1,001	2,072	1,974	2,037	1,987	2,074	2,148
Superior, Wis.	109	88	87	97	92	93	98	99	104
Kansas City district:									
Albuquerque, N. Mex.	99	86	105	114	118	121	132	144	155
Bartlesville, Okla.	190	115	122	138	151	193	251	286	218
Colorado Springs, Colo.	175	184	189	150	155	185	181	181	202
Denver, Colo.	2,442	1,723	1,798	1,951	1,977	2,130	2,159	2,119	2,196
Joplin, Mo.	186	107	131	168	173	210	222	187	172
Kansas City, Kans.	214	180	190	239	234	237	245	246	247
Kansas City, Mo.	4,706	3,698	3,679	4,176	4,036	4,465	4,633	4,656	5,077
Muskogee, Okla. ³	301	203	310	298	151	154	145	145	146
Oklahoma City, Okla.	1,251	1,059	973	939	913	1,036	1,134	1,262	1,364
Omaha, Neb.	3,022	2,137	2,312	2,456	2,207	2,437	2,387	2,408	2,601
Pueblo, Colo.	269	220	196	210	232	246	247	298	262
St. Joseph, Mo.	1,001	828	707	739	730	742	748	682	714
Topeka, Kans.	256	188	171	189	185	211	212	230	248
Tulsa, Okla.	1,400	995	1,186	1,182	1,009	1,269	1,532	1,577	1,668
Wichita, Kans.	721	528	532	544	508	567	593	⁴ 698	829
Dallas district:									
Austin, Tex.	192	154	172	204	218	240	238	238	238
Beaumont, Tex.	246	170	174	195	199	214	259	258	301
Dallas, Tex.	2,207	1,756	1,867	2,070	2,179	2,527	2,542	2,620	2,668
El Paso, Tex.	493	392	373	360	390	367	381	385	426
Fort Worth, Tex.	1,320	1,215	1,323	1,093	862	909	1,018	1,139	1,277
Houston, Tex.	1,910	1,422	1,344	1,480	1,560	⁵ 1,934	⁵ 2,116	2,180	2,319
Shreveport, La.	448	346	385	423	428	474	484	468	506
Texarkana, Tex.	111	80	85	114	103	113	126	126	128
Tucson, Ariz.	85	84	87	92	102	109	109	111	128
Waco, Tex.	228	190	200	234	228	221	201	221	224
San Francisco district:									
Boise, Idaho.	169	137	147	150	140	151	163	169	187
Fresno, Calif.	632	576	608	613	400	468	485	495	436
Long Beach, Calif.	284	291	423	710	607	672	591	580	674
Los Angeles, Calif.	5,243	5,385	6,212	8,419	8,921	9,458	10,475	11,199	12,912
Oakland, Calif.	1,213	975	1,088	1,451	1,481	1,720	2,065	2,697	3,017
Orden, Utah	229	180	260	346	286	320	249	226	234
Pasadena, Calif.	286	272	305	379	387	417	445	481	487
Portland, Ore.	2,363	1,789	1,652	1,867	1,942	1,999	2,195	2,046	2,202
Reno, Nev.	152	132	125	125	95	104	111	114	123
Sacramento, Calif.	790	715	756	538	520	438	394	480	605
Salt Lake City, Utah	948	771	702	766	780	865	865	862	927
San Diego, Calif.	426	408	469	553	580	669	771	743	753
San Francisco, Calif.	11,368	9,289	8,638	9,482	9,768	11,496	12,598	15,052	18,384
Seattle, Wash.	2,377	1,650	1,807	2,051	2,167	2,425	2,551	2,610	2,958
Spokane, Wash.	685	555	532	598	567	627	670	668	686
Stockton, Calif.	296	247	265	299	286	317	325	343	352
Tacoma, Wash.	589	441	446	465	480	524	548	539	569
Yakima, Wash.	168	127	127	124	127	160	162	166	173

¹ Revised figure partly estimated.² Includes figures for Charleston, S. C., for the first 4 months and figures for Greenville, S. C., for the last 8 months of the year. Greenville substituted for Charleston, in national summaries beginning May, 1928.³ Figures for Muskogee prior to December, 1923, include debits to accounts of banks.⁴ Includes debits of \$64,250,000 for June–December, 1927, of 10 banks not reporting until June, 1927.⁵ Revised to include 8 banks, figures for which did not become available until 1927.

Source: Federal Reserve Board.

12. WEALTH

(Data in this section relate to continental United States)

No. 303.—ESTIMATED NATIONAL WEALTH OF THE UNITED STATES: TOTAL, 1850 TO 1922, AND BY CLASSES OF PROPERTY, 1900 TO 1922

NOTE.—Estimates of national wealth for the earlier censuses were not made by precisely the same methods used more recently and are not closely comparable. Changes in buying power of money, as indicated by levels of prices and wages, materially affect the comparisons (see price tables in sec. 14)

[All figures, except per capita, in millions of dollars]

Year	Amount (millions of dollars)			Amount per capita (dollars)		
	Total	Taxable	Exempt	Total	Taxable	Exempt
1850.....	7, 136	7, 136		308	308	
1860.....	16, 160	16, 160		514	514	
1870 (currency basis).....	30, 069	30, 069		780	780	
1870 (gold basis).....	24, 065	24, 065		624	624	
1880.....	43, 642	41, 642	2, 000	870	830	40
1890.....	65, 037	61, 204	3, 833	1, 036	975	61
1900.....	88, 617	82, 305	6, 213	1, 165	1, 083	82
1904.....	107, 104	100, 273	6, 831	1, 318	1, 234	84
1912.....	186, 300	173, 986	12, 314	1, 950	1, 820	129
1922.....	320, 804	300, 298	20, 506	2, 918	2, 731	186

Form of wealth	1900	1904	1912	1922
Grand total.....	88, 617	107, 104	186, 300	320, 804
Real estate, plant and equipment, total.....	69, 848	83, 801	141, 700	229, 406
Real property taxed.....	46, 325	55, 510	96, 923	155, 009
Real property exempt.....	9, 213	6, 831	12, 314	20, 506
Livestock.....	3, 306	4, 074	6, 238	5, 807
Farm implements and machinery.....	750	845	1, 368	2, 605
Gold and silver coin and bullion.....	1, 077	1, 909	2, 617	4, 278
Manufacturing machinery, tools, etc.....	2, 541	3, 298	6, 001	16, 783
Railroads and their equipment.....	9, 036	11, 245	16, 149	19, 951
Motor vehicles.....				4, 567
Transportation and transmission enterprises (except railroads) total.....	3, 495	4, 841	10, 285	15, 414
Street railroads.....	1, 576	2, 220	4, 597	4, 878
Telegraph systems.....	212	227	223	204
Telephone systems.....	400	586	1, 081	1, 746
Pullman and other private cars not owned by railroads.....	99	123	123	545
Pipe lines.....				500
Shipping and canals.....	538	846	1, 401	4, 951
Irrigation enterprises.....			361	
Privately owned waterworks.....	268	275	290	361
Privately owned central electric light and power stations.....	403	563	2, 099	4, 229
All other, total.....	15, 174	18, 462	34, 334	75, 084
Agricultural products.....	1, 465	1, 899	5, 240	5, 466
Manufactured products.....	6, 087	7, 409	14, 694	28, 423
Imported merchandise.....	425	496	827	1, 549
Mining products.....	327	408	816	730
Clothing and personal ornaments.....	2, 000	2, 500	4, 295	
Furniture, carriages, etc.....	4, 880	5, 750	8, 463	30, 816

¹ From page 11, 1880 census volume, Valuation, Taxation, and Public Indebtedness.

² Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.

³ Includes \$402,000,000 value of ships belonging to the United States Navy.

⁴ Includes \$1,446,000,000 value of ships belonging to the United States Navy.

Source: Bureau of the Census, Department of Commerce.

No. 304.—WEALTH; ESTIMATES FOR EACH GEOGRAPHIC

NOTE.—See headnotes, Tables 303 and 305. For totals see Table 305. For assessed value

[All figures in thou

Division and State	Real property and improvements		Livestock		Farm implements and machinery		Manufacturing machinery, tools, and implements	
	1912	1922	1912	1922	1912	1922	1912	1922
United States.....	109,236,928	176,414,444	8,238,368	6,807,104	1,868,226	2,604,638	6,001,461	16,738,260
New England.....	7,248,643	13,173,299	162,412	147,822	53,648	69,703	700,450	2,007,693
Maine.....	485,859	1,019,946	32,745	52,887	15,628	20,830	69,941	148,322
New Hampshire.....	336,212	604,908	15,015	10,688	6,020	6,911	38,502	116,739
Vermont.....	255,944	536,870	30,661	35,293	10,696	17,038	10,089	47,300
Massachusetts.....	4,118,216	7,156,110	43,149	35,682	12,111	13,776	377,873	1,046,460
Rhode Island.....	600,747	912,419	6,876	5,261	1,884	1,537	63,860	211,440
Connecticut.....	1,452,015	3,024,433	22,977	22,603	7,310	9,025	107,155	437,169
Middle Atlantic.....	30,316,702	41,522,524	519,253	468,545	177,728	279,728	1,934,419	5,326,010
New York.....	16,910,263	20,757,834	203,578	225,149	89,173	134,379	813,601	2,133,807
New Jersey.....	3,850,915	6,856,667	45,848	37,872	13,865	18,028	303,596	999,080
Pennsylvania.....	9,548,524	14,914,123	209,827	203,524	74,082	127,321	877,219	2,193,578
East North Central.....	23,748,448	37,400,845	1,301,561	1,194,239	289,229	539,219	1,416,243	4,313,868
Ohio.....	5,178,708	10,176,297	273,612	248,248	54,181	86,177	423,008	1,390,526
Indiana.....	2,957,867	4,954,789	227,000	203,370	43,793	80,633	178,386	478,428
Illinois.....	10,046,320	12,668,726	386,701	319,023	79,474	159,557	451,200	1,194,798
Michigan.....	8,067,379	6,790,470	184,783	167,484	54,141	84,209	165,206	331,778
Wisconsin.....	2,593,172	4,210,364	229,489	256,164	37,700	122,652	103,226	432,927
West North Central.....	18,030,287	29,189,776	1,538,987	1,684,077	408,240	848,737	363,455	951,731
Minnesota.....	3,391,615	5,204,268	217,832	228,685	56,776	132,892	83,048	241,484
Iowa.....	5,111,239	7,173,551	491,614	466,802	102,981	228,773	165,520	143,628
Missouri.....	3,264,099	6,790,306	308,101	248,066	55,328	95,486	126,038	333,657
North Dakota.....	1,291,358	1,625,963	126,614	98,226	49,878	94,095	5,245	9,470
South Dakota.....	639,062	2,072,618	145,816	162,022	38,101	85,646	6,044	11,048
Nebraska.....	2,316,850	3,580,655	265,474	260,805	48,112	104,600	35,084	80,856
Kansas.....	2,793,483	3,709,474	284,637	218,552	52,074	104,275	49,120	127,260
South Atlantic.....	7,536,325	10,662,387	486,064	507,101	107,213	139,116	545,735	1,182,161
Delaware.....	172,149	328,375	8,765	7,238	3,417	4,910	16,004	62,068
Maryland.....	1,345,484	1,968,289	45,904	42,821	12,600	20,697	85,043	210,387
District of Columbia.....	902,024	1,274,809	1,795	542	84	66	13,786	22,987
Virginia.....	1,176,104	2,772,373	85,954	92,633	19,757	35,576	66,657	164,148
West Virginia.....	1,399,190	3,250,693	55,983	58,043	7,406	13,156	60,272	110,953
North Carolina.....	700,300	2,371,355	85,088	108,397	20,319	33,853	85,120	238,527
South Carolina.....	506,607	1,189,944	61,304	61,927	15,605	32,945	98,943	132,579
Georgia.....	904,984	1,964,730	106,429	101,764	23,177	39,908	90,429	159,411
Florida.....	426,484	1,561,713	34,422	38,716	4,542	8,696	28,791	74,131
East South Central.....	3,381,632	6,528,148	439,418	397,469	80,654	137,296	222,232	459,293
Kentucky.....	1,139,434	1,864,939	136,524	112,000	21,962	34,693	41,219	97,366
Tennessee.....	831,914	2,499,378	126,175	115,059	22,504	42,982	60,650	145,206
Alabama.....	933,661	1,419,872	86,921	84,718	17,513	26,821	65,250	100,889
Mississippi.....	476,623	1,138,959	89,793	85,632	13,376	32,900	36,120	55,242
West South Central.....	7,227,376	11,047,963	722,173	587,968	128,079	227,328	260,485	519,270
Arkansas.....	303,977	1,451,167	58,302	74,514	18,487	36,264	30,526	48,028
Louisiana.....	1,028,689	1,531,235	64,773	65,511	17,065	28,130	88,397	164,140
Oklahoma.....	1,693,348	2,072,055	174,194	120,136	30,404	57,031	21,965	97,857
Texas.....	3,605,644	5,962,600	304,904	327,807	62,123	105,892	109,808	208,939
Mountain.....	2,798,847	6,777,184	480,556	514,801	55,566	146,223	169,747	296,726
Montana.....	450,272	1,223,935	91,708	68,904	11,913	45,353	6,199	43,928
Idaho.....	143,201	398,175	58,393	70,411	11,912	39,685	13,698	34,723
Wyoming.....	90,281	689,746	64,435	69,682	4,120	3,024	28,410	38,410
Colorado.....	1,225,512	1,758,446	88,000	100,034	14,401	35,059	91,354	80,808
New Mexico.....	147,057	440,772	55,904	47,038	4,717	6,803	3,665	4,735
Arizona.....	183,400	815,594	43,997	67,658	1,062	6,365	12,610	36,832
Utah.....	376,008	795,047	39,602	63,056	4,777	9,493	24,491	50,597
Nevada.....	186,107	256,469	29,651	27,159	1,714	2,828	3,780	6,313
Pacific.....	8,280,266	13,707,532	318,339	327,202	72,872	174,290	369,471	728,030
Washington.....	1,885,860	3,257,299	68,242	60,918	15,798	40,416	111,049	203,604
Oregon.....	1,163,694	2,089,511	74,362	75,176	14,645	31,242	38,108	63,661
California.....	5,230,822	8,360,722	176,732	191,108	40,529	102,632	222,314	438,775

¹ Not distributed by States in 1922; total \$4,278,155,000.

² Not shown separately in 1912.

³ Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.

⁴ Includes \$102,352,000 value of ships belonging to the United States Navy and \$290,000,000 value of privately owned water-supply systems not distributed by States.

DIVISION AND STATE, BY CLASSES OF TANGIBLE PROPERTY

tion of property subject to general property tax in 1925, by States, see Table 224, p. 220

sands of dollars]

Gold and silver coin and bullion ¹	Railroads and their equipment		Motor vehicles ²	Street railways, shipping, waterworks, etc.		All other		Division and State
	1912	1912 (revised)	1922	1912	1922	1912	1922	
2, 616, 643	16, 148, 532	19, 950, 800	4, 567, 407	410, 265, 207	615, 414, 447	34, 334, 291	680, 261, 762	United States.
168, 386	613, 892	759, 764	299, 461	667, 812	983, 968	2, 247, 249	6, 972, 673	New England.
14, 779	87, 342	119, 353	35, 044	77, 912	96, 371	2, 223, 533	533, 303	Maine.
8, 023	85, 204	104, 699	18, 380	31, 073	42, 521	137, 796	403, 272	New Hampshire.
6, 500	43, 895	53, 953	16, 170	20, 642	43, 621	117, 352	232, 675	Vermont.
101, 876	213, 277	268, 013	146, 249	343, 842	530, 538	1, 165, 708	3, 784, 542	Massachusetts.
13, 603	28, 277	34, 671	25, 297	53, 772	85, 130	187, 578	668, 495	Rhode Island.
23, 005	145, 897	179, 075	58, 321	135, 571	205, 787	415, 192	1, 349, 951	Connecticut.
899, 203	3, 190, 418	3, 914, 682	824, 572	2, 792, 250	4, 277, 011	8, 012, 298	21, 051, 284	Middle Atlantic.
632, 555	1, 206, 211	1, 479, 682	384, 113	1, 787, 202	2, 594, 070	3, 961, 420	9, 329, 138	New York.
54, 897	434, 057	532, 263	132, 323	302, 215	414, 776	909, 917	3, 809, 280	New Jersey.
211, 751	1, 550, 150	1, 902, 737	308, 136	702, 333	1, 268, 165	3, 050, 961	7, 915, 806	Pennsylvania.
488, 764	3, 184, 542	3, 989, 811	1, 151, 430	2, 035, 017	2, 763, 870	7, 144, 772	17, 476, 325	East North Central.
112, 275	821, 906	1, 009, 107	824, 733	684, 793	754, 071	1, 679, 758	4, 560, 300	Ohio.
67, 445	644, 519	790, 238	176, 518	286, 567	358, 930	963, 423	2, 091, 690	Indiana.
206, 185	942, 118	1, 221, 143	202, 664	748, 713	982, 060	2, 640, 355	5, 494, 828	Illinois.
63, 668	455, 281	571, 827	216, 422	208, 201	442, 679	1, 004, 709	3, 299, 922	Michigan.
50, 201	320, 713	396, 746	141, 033	140, 743	225, 930	856, 522	2, 030, 185	Wisconsin.
285, 896	2, 715, 448	3, 333, 141	768, 598	843, 053	1, 203, 556	5, 469, 953	7, 984, 238	West North Central
51, 532	449, 603	554, 570	141, 553	231, 846	285, 818	949, 426	1, 765, 733	Minnesota.
49, 506	476, 208	583, 987	133, 655	133, 832	246, 538	1, 285, 015	1, 484, 848	Iowa.
93, 140	499, 477	612, 785	145, 789	207, 557	404, 419	1, 115, 243	2, 342, 431	Missouri.
12, 454	249, 183	305, 530	36, 036	17, 052	34, 387	392, 126	204, 066	North Dakota.
12, 385	187, 283	229, 631	46, 076	25, 802	37, 190	272, 174	291, 167	South Dakota.
30, 453	130, 258	380, 413	95, 067	79, 476	110, 217	635, 104	761, 550	Nebraska.
36, 418	543, 430	666, 315	120, 422	87, 483	150, 016	322, 890	1, 831, 438	Kansas.
226, 712	1, 721, 552	2, 134, 773	395, 355	690, 270	1, 069, 316	3, 285, 351	7, 023, 245	South Atlantic.
3, 936	17, 870	21, 019	8, 916	20, 411	26, 630	61, 639	175, 692	Delaware.
28, 723	149, 116	183, 100	61, 561	165, 025	257, 354	403, 079	1, 238, 211	Maryland.
8, 779	17, 315	21, 231	10, 998	64, 168	77, 745	163, 754	280, 694	Dist. of Columbia.
37, 837	403, 020	501, 072	63, 113	103, 842	173, 308	503, 635	1, 083, 429	Virginia.
23, 590	357, 238	441, 624	41, 297	67, 306	133, 319	456, 936	1, 019, 935	West Virginia.
27, 627	204, 600	251, 694	67, 779	44, 410	81, 257	967, 962	1, 395, 438	North Carolina.
25, 507	130, 630	160, 166	35, 093	55, 708	83, 227	366, 736	708, 959	South Carolina.
45, 623	246, 422	319, 619	53, 489	129, 509	169, 070	618, 480	1, 032, 762	Georgia.
15, 090	189, 773	233, 548	44, 106	29, 233	62, 406	205, 150	427, 125	Florida.
149, 295	887, 937	1, 092, 809	170, 132	304, 131	491, 510	1, 945, 457	3, 318, 858	East South Central.
41, 650	256, 492	314, 731	57, 337	91, 800	151, 463	547, 922	939, 377	Kentucky.
39, 068	216, 745	269, 323	50, 734	118, 737	143, 390	477, 855	957, 179	Tennessee.
33, 212	240, 989	295, 534	33, 496	65, 269	133, 895	537, 315	841, 718	Alabama.
30, 305	173, 711	213, 021	28, 595	28, 275	42, 767	332, 365	580, 584	Mississippi.
175, 407	1, 321, 078	1, 625, 144	349, 897	346, 620	760, 984	3, 037, 450	4, 742, 847	West South Central.
27, 004	226, 202	278, 425	31, 302	32, 908	60, 667	407, 436	583, 360	Arkansas.
32, 739	215, 502	264, 434	35, 439	93, 342	143, 488	449, 035	1, 181, 418	Louisiana.
34, 253	359, 550	441, 267	89, 925	48, 416	171, 752	749, 411	942, 601	Oklahoma.
81, 346	519, 764	640, 908	189, 731	171, 954	385, 077	1, 431, 663	2, 030, 468	Texas.
69, 651	1, 330, 359	1, 635, 009	160, 400	564, 515	808, 080	1, 140, 075	2, 173, 288	Mountain.
11, 119	258, 561	318, 993	23, 308	106, 010	111, 334	196, 076	351, 934	Montana.
7, 753	130, 449	159, 746	19, 934	95, 201	53, 933	113, 430	266, 184	Idaho.
3, 593	104, 966	128, 000	11, 397	26, 724	25, 039	68, 561	124, 641	Wyoming.
23, 696	297, 625	364, 993	69, 893	197, 642	143, 485	379, 022	680, 094	Colorado.
6, 645	169, 032	207, 600	9, 184	18, 070	16, 671	10, 929	118, 880	New Mexico.
4, 729	35, 531	105, 831	13, 736	37, 933	30, 469	86, 474	248, 336	Arizona.
9, 580	144, 270	177, 314	18, 675	57, 964	101, 497	139, 908	329, 939	Utah.
2, 331	140, 425	172, 202	4, 373	24, 921	20, 162	64, 725	53, 210	Nevada.
153, 367	1, 182, 806	1, 485, 807	447, 972	1, 339, 137	1, 489, 436	2, 051, 656	5, 235, 269	Pacific.
35, 800	316, 244	390, 042	79, 904	227, 342	247, 806	516, 733	842, 416	Washington.
25, 140	293, 002	365, 252	50, 373	145, 747	184, 070	302, 941	540, 134	Oregon.
92, 447	573, 500	710, 573	317, 695	966, 093	1, 057, 500	1, 231, 932	3, 862, 609	California.

¹ Includes \$1,445,992,000 value of ships belonging to the United States Navy and \$360,885,000 privately owned water-supply systems not distributed by States.

² Includes \$4,278,155,000 value of gold and silver coin and bullion not distributed by States.

Source: Bureau of the Census, Department of Commerce.

No. 305.—WEALTH: ESTIMATED VALUE OF ALL TANGIBLE PROPERTY SITUATED IN EACH GEOGRAPHIC DIVISION AND STATE

NOTE.—See headnote to Table 303. This table shows, not the value of property owned by the citizens of each State, but that of the physical property lying in each State wherover the securities or other evidences of title representing it may be found or owned. The per capita figures thus do not represent the average wealth of the citizens of each State

Division and State	Amount (millions of dollars)					Taxable 1922	Total amount per capita (dollars)				
	Total						1900	1900	1904	1912	1922
	1890	1900	1904	1912 ¹	1922 ¹						
United States.....	68, 037	88, 517	107, 104	186, 300	320, 804	300, 298	1, 036	1, 165	1, 318	1, 950	2, 919
New England.....	5, 293	7, 753	8, 923	11, 918	24, 416	22, 562	1, 111	1, 368	1, 498	1, 761	3, 189
Maine.....	489	682	770	1, 018	2, 007	1, 019	740	982	1, 090	1, 351	2, 589
New Hampshire.....	325	472	517	658	1, 374	1, 283	863	1, 147	1, 214	1, 513	3, 074
Vermont.....	260	330	300	505	842	799	960	1, 035	1, 407	2, 389	
Massachusetts.....	2, 804	4, 359	4, 956	6, 381	12, 981	11, 895	1, 252	1, 554	1, 672	1, 827	3, 243
Rhode Island.....	504	711	799	986	1, 925	1, 814	1, 450	1, 658	1, 702	1, 737	3, 086
Connecticut.....	835	1, 199	1, 415	2, 370	5, 280	4, 842	1, 119	1, 320	1, 468	2, 041	3, 614
Middle Atlantic.....	16, 213	24, 554	29, 478	47, 901	77, 663	71, 958	1, 377	1, 689	1, 783	2, 374	3, 352
New York.....	8, 577	12, 505	14, 769	25, 604	37, 035	33, 019	1, 430	1, 720	1, 868	2, 694	3, 436
New Jersey.....	1, 445	2, 734	3, 236	6, 011	11, 794	11, 170	1, 000	1, 451	1, 647	2, 240	3, 524
Pennsylvania.....	6, 191	9, 315	11, 473	16, 226	28, 834	27, 169	1, 177	1, 478	1, 507	2, 036	3, 187
East North Central.....	15, 041	19, 692	23, 991	39, 698	68, 823	65, 516	1, 117	1, 250	1, 416	2, 112	3, 063
Ohio.....	3, 951	5, 019	5, 947	9, 123	18, 489	17, 553	1, 076	1, 207	1, 371	1, 861	3, 048
Indiana.....	2, 095	2, 607	3, 100	5, 359	8, 530	8, 337	956	1, 036	1, 164	1, 054	2, 042
Illinois.....	5, 087	6, 977	8, 817	15, 500	22, 233	21, 191	1, 324	1, 447	1, 689	2, 663	3, 295
Michigan.....	2, 095	2, 654	3, 282	5, 298	11, 405	10, 890	1, 001	1, 006	1, 207	1, 823	2, 899
Wisconsin.....	1, 833	2, 405	2, 839	4, 328	7, 800	7, 545	1, 087	1, 163	1, 292	1, 808	2, 887
West North Central.....	10, 214	13, 735	16, 830	30, 810	46, 019	44, 080	1, 149	1, 392	1, 546	2, 567	3, 588
Minnesota.....	1, 692	2, 514	3, 344	5, 432	8, 548	8, 237	1, 300	1, 435	1, 729	2, 529	3, 442
Iowa.....	2, 287	3, 368	4, 048	7, 709	10, 512	10, 197	1, 106	1, 509	1, 828	3, 465	4, 274
Missouri.....	2, 398	3, 244	3, 760	5, 728	9, 982	9, 612	995	1, 044	1, 147	1, 717	2, 903
North Dakota.....	425	553	730	2, 113	2, 467	2, 167	1, 844	1, 690	1, 771	3, 320	3, 692
South Dakota.....	1, 276	1, 026	2, 009	3, 321	5, 226	5, 144	1, 293	1, 376	1, 530	2, 125	4, 482
Nebraska.....	1, 700	1, 938	2, 253	4, 680	6, 264	5, 995	1, 261	1, 318	1, 468	2, 032	3, 493
Kansas.....	5, 133	6, 879	7, 937	14, 589	20, 169	27, 263	579	640	718	1, 150	2, 006
South Atlantic.....	176	212	230	305	620	588	1, 043	1, 146	1, 204	1, 478	2, 728
Maryland.....	1, 085	1, 317	1, 512	2, 296	3, 991	3, 742	1, 041	1, 109	1, 213	1, 604	2, 665
District of Columbia.....	344	920	1, 040	1, 172	1, 697	1, 219	1, 491	3, 332	3, 491	3, 418	3, 870
Virginia.....	892	1, 102	1, 288	2, 402	4, 892	4, 542	521	594	666	1, 140	2, 050
West Virginia.....	430	600	840	2, 428	4, 078	4, 446	575	688	810	1, 897	3, 040
North Carolina.....	684	682	842	1, 685	2, 643	4, 381	361	360	420	740	1, 703
South Carolina.....	401	485	580	1, 261	2, 405	2, 289	348	362	414	811	1, 385
Georgia.....	852	926	1, 163	2, 163	3, 897	3, 726	464	422	498	802	1, 306
Florida.....	300	356	431	937	2, 440	2, 320	995	673	729	1, 107	2, 368
East South Central.....	3, 137	3, 654	4, 285	7, 411	12, 900	12, 348	488	484	536	861	1, 437
Kentucky.....	1, 172	1, 305	1, 523	2, 277	3, 582	3, 401	631	630	675	981	1, 459
Tennessee.....	888	957	1, 104	1, 884	4, 238	3, 975	502	473	520	848	1, 773
Alabama.....	623	775	965	2, 015	3, 002	2, 891	412	424	404	913	1, 244
Mississippi.....	454	567	688	1, 235	2, 178	2, 081	352	359	410	667	1, 210
West South Central.....	3, 264	4, 553	5, 768	13, 209	19, 861	18, 897	661	697	798	1, 422	1, 857
Arkansas.....	455	604	804	1, 722	2, 600	2, 520	403	461	580	1, 054	1, 439
Louisiana.....	495	815	1, 032	1, 900	3, 417	3, 237	443	500	694	1, 158	1, 855
Oklahoma.....	3, 208	3, 812	3, 935	8, 118	13, 893	13, 627	860	860	912	1, 684	1, 864
Texas.....	2, 106	2, 322	2, 837	6, 379	9, 851	9, 453	942	762	841	1, 561	2, 010
Mountain.....	2, 927	3, 244	3, 973	6, 585	12, 206	10, 455	2, 250	1, 025	2, 228	3, 312	3, 435
Montana.....	453	614	746	1, 133	2, 223	1, 990	3, 429	2, 523	2, 633	2, 792	3, 691
Idaho.....	208	276	343	579	1, 534	1, 258	2, 464	1, 708	1, 795	1, 598	3, 301
Wyoming.....	170	281	330	356	976	650	2, 796	3, 041	3, 297	2, 253	4, 693
Colorado.....	1, 146	938	1, 207	2, 315	3, 230	2, 860	2, 780	1, 738	1, 046	2, 792	3, 285
New Mexico.....	232	268	332	405	852	737	1, 507	1, 374	1, 587	1, 388	2, 299
Arizona.....	189	203	300	457	1, 314	1, 153	3, 168	2, 140	2, 239	2, 052	3, 512
Utah.....	349	413	488	796	1, 636	1, 361	1, 681	1, 491	1, 600	2, 016	3, 247
Nevada.....	180	191	221	454	642	441	3, 941	4, 503	5, 214	5, 003	6, 998
Pacific.....	3, 885	4, 633	6, 019	13, 777	23, 673	21, 805	3, 076	1, 917	3, 290	3, 002	3, 894
Washington.....	701	782	1, 052	3, 183	5, 122	4, 696	2, 177	1, 509	1, 806	2, 484	3, 600
Oregon.....	590	633	852	2, 037	3, 419	3, 059	1, 882	1, 530	1, 886	2, 816	4, 182
California.....	2, 594	3, 218	4, 115	8, 537	15, 032	14, 060	2, 097	2, 167	2, 582	3, 312	4, 007

¹ Total differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma. Includes \$402,000,000 value of ships belonging to the United States Navy and \$296,000,000 value of privately owned water-supply systems not distributed by States. Items for geographic divisions and States differ from estimate as published in 1912 because of redistribution of railroad values in accordance with the method employed in 1922.

² Total includes \$1,446,000,000 value of ships belonging to the United States Navy, \$361,000,000 privately owned water-supply systems, and \$4,278,000,000 gold and silver coin and bullion not distributed by States.

³ Includes Indian Territory.

⁴ Differs from estimate as published in 1912 because of revision of estimate for taxed real property.

13. BUSINESS FINANCE

[Foreign Exchange Rates—Interest Rates—Insurance—Capital Issues—Stock Exchange Transactions—Wholesale and Retail Trade—Commercial Failures]

No. 306.—FOREIGN EXCHANGE RATES ON CABLE TRANSFERS, NEW YORK

Country	Monetary unit	Mint par	Yearly average rate in dollars								
			1921	1922	1923	1924	1925	1926	1927	1928	
North America:			<i>Dollars</i>								
Canada	Dollar	1.0000	0.8955	0.9848	0.9804	0.9873	0.9990	0.9999	0.9997	0.9991	
Cuba	Peso	1.0000	.....	.9885	.9995	.9998	.9994	.9993	.9997	.9996	
Mexico	do.	.4935	.4901	.4872	.4855	.4851	.4939	.4831	.4720	.4811	
South America:											
Argentina	Peso (gold)	.....	.9648	.7300	.8182	.7857	.7813	.9138	.9215	.9630	.9648
Brazil	Milreis	.....	3.1199	.1312	.1295	.1023	.1094	.1220	.1444	.1184	.1197
Chile	Peso	.....	3.1217	.1206	.1222	.1284	.1084	.1160	.1208	.1207	.1215
Colombia	do.	.....	0.7333	.8809	.9239	.9513	.9017	.9335	.9845	.9769	.9769
Peru	Libra	.....	4.8665	3.800	3.860	4.110	4.050	4.021	3.7410	3.7377	3.9795
Uruguay	Peso	.....	1.0342	.6861	.7940	.7906	.8227	.9840	1.0147	1.0134	1.0206
Venezuela	Bolivar	.....	.1930	.1650	.1838	.1804	.1923	.1920	.1926	.1898	.1925
Europe:											
Austria	Schilling	.....	1.1407	1.00170	1.00098	1.00001	1.00001	1.400	1.407	1.408	1.407
Belgium	Belga	.....	5.1390	5.07446	5.07683	5.05219	5.04444	5.04758	5.03205	5.0320	5.0393
Bulgaria	Lev	.....	0.0072	.00887	.00688	.00584	.00728	.00732	.00721	.00724	.00721
Czechoslovakia	Koruna	.....	7.0296	.0126	.02415	.02955	.02954	.02966	.02962	.02962	.02963
Denmark	Krone	.....	.2680	.1780	.2095	.1836	.1672	2.113	.2623	.2673	.2674
Finland	Markka	.....	8.0252	.0192	.02103	.02883	.02508	.02522	.02521	.02520	.02517
France	Franc	.....	9.0392	.07455	.08201	.06081	.05237	.04707	.03243	.03924	.03921
Germany	Reichsmark	.....	2.382	.01205	.00232	.00002	(10)	.2380	.2380	.2376	.2386
Great Britain	Pound	.....	4.8665	3.8491	4.4292	4.5748	4.4171	4.8289	4.8582	4.8610	4.8662
Greece	Drachma	.....	11.0130	.0547	.03306	.01714	.01790	0.1681	.01265	.01317	.01304
Hungary	Pengo	.....	1.749	11.00263	10.0091	10.0016	10.00002	10.00001	1.756	1.747	1.744
Italy	Lira	.....	18.0526	.04294	.04756	.04602	.04358	.03978	.03889	.05156	.05257
Netherlands	Florin	.....	.4920	.3365	.3850	.3910	.3821	.4016	.4010	.4011	.4022
Norway	Krone	.....	2.680	.1491	.1760	.1697	.1394	.1788	.2233	.2605	.2609
Poland	Zloty	.....	14.1122	.00079	.000188	.000014	(4)	1.774	.1113	.1129	.1121
Portugal	Escudo	.....	1.0305	.0975	.05670	.04253	.03385	.05040	.05125	.05020	.04468
Rumania	Leu	.....	.1930	.0126	.00697	.00494	.00498	.00453	.00492	.00504	.00613
Russia	Chorovnetz	.....	5.140	.....	.....	.....	.....	5.150	5.150	5.150	
Spain	Peseta	.....	.1930	.1353	.1548	.1445	.1394	.1434	.1490	.1706	.1699
Sweden	Krona	.....	.2030	.2254	.2617	.2655	.2652	.2685	.2676	.2631	.2680
Switzerland	Franc	.....	.1930	.1735	.1907	.1896	.1822	.1823	.1981	.1926	.1926
Yugoslavia	Dinar	.....	.1930	.0237	.01352	.01072	.01282	.01705	.01705	.01700	.01760
Asia:											
Hong Kong	Dollar	.....	15.4562	.....	.6571	.6290	.6247	.5652	.5333	.4921	.6007
China	Shanghai tael	.....	15.6384	.7073	.7493	.7202	.7288	.7577	.6842	.6210	.6430
Do.	Mexican dollar	.....	15.4595	.....	.6463	.6202	.6230	.5555	.4992	.4503	.4647
India	Rupee	.....	.3650	.2622	.2874	.3111	.3173	.3626	.3633	.3631	.3647
Japan	Yen	.....	.4985	.4825	.4780	.4858	.4110	.4104	.4712	.4741	.4641
Straits Settlements	Singapore dollar	.....	.5673	.4546	.5078	.5350	.5125	.5615	.5627	.5605	.5628

¹ Data for 1921 and also for 1922 to 1925 for Colombia, Peru, and Venezuela compiled by the Bureau of Foreign and Domestic Commerce from publications of the individual countries.

² Parity of the milreis was established at 11.90 cents by laws of Dec. 18, 1924, and Jan. 5, 1927.

³ Quotations prior to 1926 are for the paper peso (1913 average, 19.83 cents). Beginning 1926, the currency was reestablished on a gold basis, the peso being devaluated to 12.17 cents.

⁴ Quotations for 1921 to 1924 are for the krona, par 20.26 cents.

⁵ Quotations prior to 1927 are for the franc (par 19.3 cents). The belga, which is equal to 5 francs, superseded the Belgian franc Oct. 26, 1926, and was quoted at par during November and December, 1926.

⁶ The lev was stabilized at 0.72 cents, Nov. 22, 1928, former par value, 19.3 cents.

⁷ Nominal par value, 20.26 cents. Stabilized in March, 1925, at 2.06 cents.

⁸ The pre-war par of the markka was 19.3 cents. In 1926 it was devaluated to a new gold parity of 2.82 cents.

⁹ In June, 1928, the currency was reestablished on a gold basis and the new parity of the franc fixed at 3.9170 cents. The former parity was 19.3 cents.

¹⁰ Prior to 1924 quotations are for paper marks (see monthly rates in Table 307). The new paper reichsmark currency issued the latter part of 1924 was thereafter quoted substantially at par (23.82 cents).

¹¹ In May, 1928, the drachma was reestablished on a gold basis and stabilized at a new parity of 1.30 cents, former parity, 19.3 cents.

¹² Prior to 1926 quotations are for the paper krona (par 20.26 cents). On Jan. 1, 1926, this was superseded by the pengo valued at 17.49 cents and exchangeable for 12,500 paper kronen.

¹³ In December, 1927, the lira was stabilized at 5.26 cents. The former par value was 19.3 cents.

¹⁴ Prior to 1924 quotations are for Polish marks, par 23.82 cents; thereafter for the zloty. The average rate for January to April, 1924, was 11.3 cents per million marks; for June to December, 19.23 cents for 1 zloty. The par value of the zloty when adopted as the currency unit in 1924 was fixed at 19.3 cents, but in October, 1927, it was stabilized at 11.22.

¹⁵ Par of exchange varies with the price of silver, the standard of value; figures shown are calculated on the basis of the average price in 1925.

Source: Federal Reserve Board, except as noted.

No. 307.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS

NOTE.—For par of exchange of monetary units and yearly average rate see Table 306

	Canada (dollar)	Mexico (peso)	Argen- tina (peso)	Brazil (milreals)	Chile (peso) ¹	Belgium (belga) ²	France (franc)	German (reichs- mark) ³
	Dollars	Dollar	Dollar	Dollar	Dollar	Dollar	Dollar	Dollar
1920:								
March.....	0.8938		0.9841	0.2650	0.2140	0.0746	0.0719	0.0126
June.....	.8819		.9610	.2510	.1899	.0830	.0792	.0256
September.....	.9037		.8457	.1829	.1079	.0716	.0674	.0172
December.....	.8632		.7873	.1525	.1422	.0624	.0592	.0137
1921:								
March.....	.8781		.7820	.1513	.1476	.0735	.0703	.0160
June.....	.8876		.0986	.1086	.0803	.0803	.0807	.0144
September.....	.8985	0.4860	.0963	.1237	.1071	.0717	.0728	.0096
December.....	.9277	.4842	.7480	.1267	.1078	.0754	.0784	.0053
1922:								
March.....	.9686	.4920	.8278	.1367	.1141	.0843	.0900	.0036
June.....	.9834	.4848	.8186	.1372	.1264	.0822	.0876	.0032
September.....	.9993	.4830	.8108	.1264	.1373	.0723	.0766	.00068
December.....	.9045	.4845	.8557	.1195	.1241	.0664	.0723	.00014
1923:								
March.....	.9806	.4886	.8415	.1109	.1267	.0548	.0632	.00005
June.....	.9766	.4837	.8047	.1043	.1340	.0540	.0630	.000010
September.....	.9765	.4867	.7485	.0973	.1238	.0490	.0586	.0188
December.....	.9750	.4850	.7233	.0934	.1066	.0458	.0525	.000227
1924:								
March.....	.9696	.4823	.7655	.1145	.0977	.0387	.0468	.000220
June.....	.9844	.4822	.7389	.1075	.1060	.0456	.0525	.000234
September.....	.9904	.4808	.8003	.1009	.1044	.0494	.0530	.000228
December.....	.9665	.4881	.8332	.1151	.1133	.0497	.0540	.2380
1925:								
March.....	.9987	.4974	.8971	.1104	.1110	.0507	.0518	.2380
June.....	1.0000	.4906	.9133	.1089	.1132	.0470	.0477	.2380
September.....	.9999	.4935	.9171	.1352	.1202	.0440	.0471	.2380
December.....	.9996	.4875	.9421	.1417	.1216	.0453	.0474	.2381
1926:								
January.....	.9980	.4850	.9413	.1484	.1204	.0454	.0377	.2380
February.....	.9965	.4850	.9327	.1478	.1212	.0454	.0368	.2381
March.....	.9963	.4856	.9033	.1449	.1208	.0423	.0358	.2380
April.....	1.0004	.4866	.9070	.1401	.1212	.0367	.0339	.2380
May.....	1.0007	.4828	.9131	.1468	.1204	.0312	.0315	.2380
June.....	1.0010	.4885	.9166	.1552	.1204	.0290	.0294	.2380
July.....	1.0013	.4887	.9205	.1577	.1205	.0242	.0247	.2380
August.....	1.0014	.4878	.9166	.1537	.1212	.0275	.0283	.2381
September.....	1.0014	.4873	.9220	.1519	.1213	.0272	.0285	.2381
October.....	1.0007	.4805	.9275	.1398	.1210	.0278	.0294	.2380
November.....	1.0013	.4720	.9239	.1297	.1205	.1391	.0342	.2375
December.....	.9993	.4667	.9328	.1185	.1204	.1391	.0395	.2380
1927:								
January.....	.9984	.4663	.9385	.1163	.1202	.1391	.0396	.2372
February.....	.9984	.4707	.9472	.1184	.1200	.1390	.0392	.2370
March.....	.9990	.4701	.9598	.1185	.1200	.1390	.0391	.2371
April.....	1.0009	.4687	.9617	.1180	.1203	.1390	.0392	.2370
May.....	1.0007	.4659	.9620	.1181	.1202	.1390	.0392	.2369
June.....	.9994	.4642	.9644	.1180	.1202	.1389	.0392	.2369
July.....	.9985	.4654	.9655	.1179	.1202	.1390	.0391	.2374
August.....	.9994	.4739	.9684	.1182	.1203	.1391	.0392	.2379
September.....	1.0005	.4772	.9712	.1186	.1207	.1392	.0392	.2380
October.....	1.0011	.4767	.9716	.1192	.1217	.1393	.0392	.2386
November.....	1.0014	.4791	.9705	.1193	.1218	.1395	.0393	.2386
December.....	.9990	.4845	.9723	.1197	.1221	.1399	.0394	.2389
1928:								
January.....	.9982	.4869	.9711	.1200	.1221	.1394	.0393	.2383
February.....	.9981	.4867	.9714	.1201	.1221	.1392	.0393	.2386
March.....	1.0000	.4874	.9725	.1203	.1221	.1394	.0393	.2390
April.....	1.0003	.4874	.9719	.1203	.1220	.1396	.0394	.2392
May.....	.9991	.4856	.9720	.1203	.1219	.1396	.0394	.2395
June.....	.9976	.4783	.9894	.1199	.1220	.1396	.0393	.2390
July.....	.9979	.4729	.9814	.1194	.1214	.1394	.0392	.2386
August.....	1.0000	.4749	.9890	.1194	.1208	.1391	.0391	.2383
September.....	1.0004	.4785	.9866	.1193	.1209	.1390	.0391	.2383
October.....	.9997	.4757	.9859	.1195	.1208	.1390	.0391	.2381
November.....	1.0000	.4789	.9882	.1194	.1206	.1390	.0391	.2382
December.....	.9979	.4798	.9875	.1189	.1207	.1391	.0391	.2385

¹ See note 3, Table 306.² Quotations prior to November, 1926, are for the franc. (See note 5, Table 306.)³ Quotations prior to December, 1924, are for paper marks, par, \$0.2382.⁴ Per million marks.⁵ Per billion marks.

No. 307.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS—Continued

	Great Britain (pound)	Italy (lira)	Netherlands (florin)	Spain (peseta)	Sweden (krona)	China, (Shanghai tael)	India (rupee)	Japan (yen)	Straits Settlements (Singapore dollar)
1920:	<i>Dollars</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollars</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>
March.....	8.7258	0.0532	0.3679	0.1760	0.2037	1.4870	0.4780	0.4761	-----
June.....	3.4998	.0591	.3614	.1656	.2183	1.0005	.4100	.5141	-----
September.....	3.5103	.0434	.3169	.1476	.2021	1.0690	.3301	.5141	-----
December.....	3.4924	.0349	.3095	.1307	.1959	.7883	.2690	.6035	-----
1921:									
March.....	3.9111	.0385	.3440	.1397	.2283	.6423	.2595	.4859	-----
June.....	3.7815	.0498	.3328	.1308	.2256	.6935	.2455	.4707	-----
September.....	3.7240	.0210	.3166	.1302	.2178	.7300	.2630	.4820	0.4246
December.....	4.1561	.0444	.3631	.1465	.2453	.7532	.2745	.4792	.4086
1922:									
March.....	4.3757	.0511	.3785	.1565	.2616	.7075	.2782	.4735	.4953
June.....	4.4519	.0490	.3871	.1569	.2581	.7903	.2891	.4775	.5114
September.....	4.4807	.0427	.3879	.1590	.2640	.7701	.2874	.4810	.5104
December.....	4.6098	.0503	.3984	.1564	.2695	.7104	.3065	.4885	.5301
1923:									
March.....	4.0957	.0486	.3949	.1547	.2660	.7553	.3157	.4846	.5481
June.....	4.6147	.0457	.3920	.1492	.2656	.7217	.3069	.4905	.5385
September.....	4.5422	.0444	.3930	.1358	.2655	.7079	.3000	.4862	.5310
December.....	4.3601	.0434	.3804	.1304	.2693	.7225	.3101	.4701	.5085
1924:									
March.....	4.2906	.0428	.3707	.1273	.2629	.7000	.2986	.4290	.5028
June.....	4.3199	.0438	.3744	.1346	.2654	.7137	.3049	.4108	.5019
September.....	4.4605	.0438	.3845	.1324	.2660	.7527	.3252	.4090	.5151
December.....	4.6958	.0430	.4042	.1396	.2695	.7647	.3529	.3844	.5390
1925:									
March.....	4.7763	.0407	.3992	.1422	.2695	.7336	.3567	.4097	.5510
June.....	4.8604	.0383	.4014	.1467	.2676	.7609	.3648	.4083	.5658
September.....	4.8465	.0406	.4021	.1439	.2682	.7847	.3603	.4075	.5659
December.....	4.8498	.0403	.4019	.1418	.2679	.7568	.3664	.4319	.5663
1926:									
January.....	4.8579	.0404	.4018	.1415	.2678	.7476	.3669	.4417	.5662
February.....	4.8634	.0403	.4008	.1410	.2678	.7374	.3676	.4540	.5663
March.....	4.8608	.0402	.4007	.1409	.2681	.7271	.3658	.4539	.5683
April.....	4.8622	.0402	.4013	.1429	.2679	.7087	.3618	.4604	.5685
May.....	4.8615	.0387	.4020	.1453	.2676	.7178	.3626	.4695	.5620
June.....	4.8961	.0366	.4018	.1576	.2680	.7217	.3629	.4685	.5621
July.....	4.8634	.0335	.4018	.1572	.2680	.7130	.3629	.4707	.5621
August.....	4.8586	.0330	.4011	.1529	.2677	.6869	.3636	.4780	.5615
September.....	4.8542	.0367	.4007	.1522	.2675	.6660	.3633	.4840	.5607
October.....	4.8503	.0412	.4000	.1510	.2673	.5998	.3615	.4806	.5607
November.....	4.8488	.0421	.3999	.1515	.2669	.5943	.3603	.4907	.5598
December.....	4.8512	.0444	.3999	.1524	.2672	.5897	.3605	.4894	.5594
1927:									
January.....	4.8528	.0434	.3999	.1603	.2671	.6167	.3642	.4881	.5596
February.....	4.8503	.0432	.4000	.1678	.2669	.6378	.3630	.4934	.5596
March.....	4.8540	.0451	.4001	.1741	.2675	.6950	.3630	.4914	.5596
April.....	4.8565	.0502	.4000	.1764	.2678	.6201	.3614	.4937	.5595
May.....	4.8570	.0540	.4012	.1759	.2676	.6217	.3623	.4708	.5599
June.....	4.8561	.0593	.4005	.1720	.2678	.6274	.3620	.4669	.5598
July.....	4.8551	.0545	.4006	.1709	.2678	.6228	.3611	.4713	.5599
August.....	4.8602	.0544	.4007	.1690	.2682	.6088	.3613	.4733	.5597
September.....	4.8635	.0544	.4008	.1715	.2683	.6121	.3634	.4682	.5599
October.....	4.8697	.0546	.4019	.1725	.2682	.6183	.3641	.4667	.5603
November.....	4.8740	.0545	.4036	.1694	.2692	.6327	.3645	.4598	.5607
December.....	4.8825	.0538	.4044	.1666	.2700	.6379	.3674	.4610	.5673
1928:									
January.....	4.8763	.0529	.4033	.1710	.2688	.6375	.3672	.4683	.5677
February.....	4.8748	.0529	.4026	.1698	.2684	.6311	.3652	.4687	.5670
March.....	4.8799	.0528	.4025	.1682	.2684	.6305	.3653	.4715	.5685
April.....	4.8820	.0528	.4031	.1676	.2685	.6325	.3656	.4771	.5625
May.....	4.8816	.0527	.4035	.1673	.2683	.6645	.3659	.4661	.5614
June.....	4.8803	.0526	.4033	.1657	.2683	.6623	.3646	.4661	.5614
July.....	4.8936	.0524	.4025	.1648	.2678	.6523	.3626	.4686	.5604
August.....	4.8935	.0523	.4011	.1661	.2676	.6500	.3625	.4505	.5698
September.....	4.8905	.0523	.4009	.1653	.2676	.6369	.3633	.4578	.5607
October.....	4.8495	.0524	.4009	.1618	.2674	.6404	.3645	.4620	.5634
November.....	4.8492	.0524	.4014	.1612	.2673	.6400	.3646	.4635	.5614
December.....	4.8524	.0524	.4017	.1623	.2676	.6355	.3647	.4589	.5625

Source: The Federal Reserve Board.

No. 308.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS AND ACCEPTANCES, NEW YORK

NOTE.—Rates shown are the range (low and high) for the quarter or month based on weeks ending Saturday in the case of call money and time loans, and weeks ending various days in the case of acceptances, a week falling in 2 months being included in the month having the greater number of days; thus, week ending Feb. 2 would be included in January

Year, quarter, and month	Call money	Time loans		Bankers' acceptances (90 days)	Year and month	Call money	Time loans		Bankers' acceptances (90 days)
		60 to 90 days ¹	Six months				60 to 90 days ¹	Six months	
1913					1922				
Jan.-Mar.	2 - 6	3 1/4 - 6	4 - 6		Jan.	3 - 6	4 1/2 - 5	4 1/2 - 5	3 1/4 - 4 1/2
Apr.-June	1 - 7	3 1/2 - 5	4 - 6		Feb.	4 - 6	4 1/2 - 5	4 1/2 - 5 1/4	4 - 4 1/2
July-Sept.	1 1/2 - 4 1/2	2 3/4 - 5	4 1/2 - 6		March	3 - 5 1/2	4 1/2 - 5	4 1/2 - 5	3 1/2 - 4 1/2
Oct.-Dec.	2 1/4 - 10	4 1/2 - 6	4 1/2 - 5 1/4		April	3 1/2 - 5	4 1/4 - 4 1/2	4 1/4 - 4 1/2	3 1/4 - 3 3/4
1914					1923				
Jan.-Mar.	1 1/2 - 10	2 1/2 - 5	3 - 5		Jan.	3 1/2 - 5 1/2	4 1/2 - 5	4 1/2 - 5	4 - 4 1/2
Apr.-June	1 1/2 - 2	2 - 3 1/4	2 3/4 - 3 3/4		Feb.	4 - 6	4 1/2 - 5 1/4	4 1/2 - 5 1/4	4 - 4 1/2
July-Sept.	1 1/2 - 10	2 1/4 - 10	3 1/4 - 8		March	4 1/2 - 6	5 - 5 1/2	5 - 5 1/2	4 - 4 1/2
Oct.-Dec.	2 1/4 - 8	3 1/2 - 10	3 3/4 - 7		April	4 - 6	5 1/4 - 5 1/2	5 1/4 - 5 1/2	4 - 4 1/2
1915					1924				
Jan.-Mar.	1 3/4 - 3	2 1/4 - 4 1/2	3 - 4		Jan.	3 1/2 - 5 1/2	4 1/2 - 5	4 1/2 - 5	4 - 4 1/2
Apr.-June	1 - 2 1/2	2 1/4 - 3 1/4	2 3/4 - 3 1/2		Feb.	4 - 6	4 1/2 - 5 1/4	4 1/2 - 5 1/4	4 - 4 1/2
July-Sept.	1 1/2 - 2	2 1/2 - 3 1/4	3 - 3 1/2		March	4 1/2 - 6	5 - 5 1/2	5 - 5 1/2	4 - 4 1/2
Oct.-Dec.	1 1/2 - 2 1/2	2 1/4 - 3	3 1/4 - 3 1/2		April	4 - 6	5 1/4 - 5 1/2	5 1/4 - 5 1/2	4 - 4 1/2
1916					1925				
Jan.-Mar.	1 3/4 - 3	2 1/4 - 3 1/4	2 3/4 - 3 1/2		Jan.	2 - 5	3 1/4 - 3 3/4	3 1/4 - 4	3 - 3 1/2
Apr.-June	1 1/2 - 4	1 3/4 - 4	3 - 4		Feb.	3 - 5	3 1/2 - 4	3 1/2 - 4 1/2	3 - 3 1/2
July-Sept.	2 - 8	3 1/4 - 4	3 1/2 - 5		March	3 1/2 - 5	3 1/2 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
Oct.-Dec.	1 3/4 - 15	2 3/4 - 4 3/4	3 1/4 - 4 1/2		April	3 1/2 - 5	3 1/2 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
1917					1926				
Jan.-Mar.	1 1/4 - 3 1/4	2 1/2 - 4 1/2	2 3/4 - 5		Jan.	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
Apr.-June	2 - 6	2 1/2 - 6	4 - 6		Feb.	4 - 6 1/2	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
July-Sept.	1 1/2 - 10	3 1/4 - 6	4 1/2 - 6		March	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
Oct.-Dec.	2 - 0	5 - 6	5 - 6	3 1/4 - 3 3/4	April	3 - 5 1/2	4 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
1918					1927				
Jan.-Mar.	2 - 7 1/2	5 1/4 - 6	5 1/2 - 6	3 1/2 - 4 3/4	Jan.	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
Apr.-June	2 - 6	5 1/4 - 6	5 1/2 - 6	4 1/4 - 4 3/4	Feb.	4 - 6 1/2	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
July-Sept.	3 1/4 - 8	5 1/4 - 6	5 1/2 - 6	4 1/4 - 4 3/4	March	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
Oct.-Dec.	3 1/4 - 0	5 - 6	5 1/4 - 6	4 1/4 - 4 3/4	April	3 - 5 1/2	4 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
1919					1928				
Jan.-Mar.	2 3/4 - 7	5 - 5 3/4	5 1/4 - 6 1/4	4 1/4 - 4 3/4	Jan.	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
Apr.-June	3 1/4 - 15	5 1/4 - 6	5 - 6	4 1/4 - 4 1/2	Feb.	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
July-Sept.	3 - 20	5 1/4 - 8	5 1/2 - 8	4 1/4 - 5 1/2	March	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
Oct.-Dec.	2 - 30	5 1/4 - 8	5 1/2 - 8	4 1/4 - 5 1/2	April	3 - 5 1/2	4 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
1920					1929				
January	6 - 25	7 - 8 1/2	7 - 8 1/2	5 - 5 5/8	Jan.	2 - 5	3 1/4 - 3 3/4	3 1/4 - 4	3 - 3 1/2
February	6 - 25	7 1/2 - 10	7 1/2 - 10	5 - 5 3/8	Feb.	3 - 5	3 1/2 - 4	3 1/2 - 4 1/2	3 - 3 1/2
March	3 - 15	8 - 9 1/2	7 1/2 - 9	6 - 6 3/8	March	3 1/2 - 5	3 1/2 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
April	6 - 15	8 - 9	7 1/2 - 9	6 - 6 1/8	April	3 1/2 - 5	3 1/2 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
May	6 - 12	8 - 9	8 - 9	6 - 6 1/8	May	3 1/2 - 4	3 1/2 - 4 1/2	3 1/2 - 4 1/2	3 1/2 - 3 3/4
June	6 - 14	8 - 9	8 - 9	6 - 6 1/8	June	3 1/2 - 5	3 1/2 - 4 1/2	3 1/2 - 4 1/2	3 1/2 - 3 3/4
July	5 - 20	6 - 9	8 - 9	6 - 6 1/8	July	3 1/2 - 6	3 1/2 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
August	6 - 10	6 1/2 - 9	6 1/2 - 9	6 - 6 1/8	August	3 1/2 - 4 1/2	4 1/2 - 4 1/2	4 1/2 - 4 1/2	3 1/2 - 3 3/4
September	6 - 10	7 1/2 - 9	7 1/2 - 9	6 - 6 1/8	September	3 1/2 - 0	4 1/2 - 4 1/2	4 1/2 - 4 1/2	3 1/2 - 3 3/4
October	6 - 16	6 - 8 1/4	6 - 8 1/4	6 - 6 1/8	October	4 - 6 1/2	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
November	5 - 10	7 1/4 - 8 1/4	7 1/4 - 8 1/4	6 - 6 1/8	November	4 1/2 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
December	6 - 7	7 - 8	7 1/4 - 8 1/2	5 3/4 - 6 3/8	December	4 1/2 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
1921					1930				
January	6 - 7	6 - 7 1/2	6 - 8	5 3/4 - 6 1/8	Jan.	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
February	6 - 9	6 - 7	6 - 7	5 3/4 - 6 1/8	Feb.	4 - 6 1/2	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
March	6 - 7	6 1/2 - 7 1/2	6 - 7	5 3/4 - 6 1/8	March	4 - 6 1/2	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
April	5 1/2 - 7	6 1/2 - 7 1/2	6 1/2 - 7 1/2	5 3/4 - 6 1/8	April	3 - 5 1/2	4 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
May	6 1/2 - 7 1/2	6 1/2 - 6 3/4	6 1/2 - 7	5 3/4 - 6	May	3 - 5 1/2	4 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
June	5 - 8	6 - 7	6 - 7 1/4	5 3/4 - 6	June	3 1/2 - 5	4 - 4 1/2	4 - 4 1/2	3 1/2 - 3 3/4
July	3 1/2 - 6 1/2	5 1/2 - 6	5 1/2 - 6	5 - 5 1/2	July	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
August	4 1/2 - 6	5 1/2 - 6 1/4	5 1/2 - 6 1/4	5 - 5 1/2	August	4 - 6	4 1/2 - 5	4 1/2 - 5	3 1/2 - 3 3/4
September	4 1/2 - 6	5 - 6 1/4	5 - 6 1/4	4 3/4 - 5 1/2	September	4 1/2 - 6	4 1/2 - 5 1/4	4 1/2 - 5 1/4	3 1/2 - 3 3/4
October	4 - 6	5 - 6 1/4	5 - 6 1/4	4 3/4 - 5 1/2	October	4 - 6 1/2	4 1/2 - 5 1/4	4 1/2 - 5 1/4	3 1/2 - 3 3/4
November	4 - 6	5 - 6 1/4	5 - 6 1/4	4 3/4 - 5 1/2	November	4 1/2 - 6	4 1/2 - 5 1/4	4 1/2 - 5 1/4	3 1/2 - 3 3/4
December	4 1/2 - 6	4 3/4 - 6 1/4	4 3/4 - 6 1/4	4 1/2 - 4 3/4	December	4 1/2 - 6	4 1/2 - 5 1/4	4 1/2 - 5 1/4	3 1/2 - 3 3/4

¹ For the week ended Jan. 14, 1918, to the week ended May 12, 1919, time loans were for 30 to 90 days, and from the latter date to the week ended Oct. 13, 1919, time on loans not specified.
² Last half of December.

Sources: Call money and time loans, 1913, from the financial editors, New York Times; thereafter, The Analyst; acceptance rates, Acceptance Bulletin of the American Acceptance Council.

No. 309.—INTEREST AND ACCEPTANCE RATES; CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK, WEEKLY RANGE

NOTE.—Rates shown are the range, low and high, for weeks ending on date shown in the stub

Year and week	Call money	Time loans		Year and week	Bankers' acceptances (90 days)	Year and week	Call money	Time loans		Year and week	Bankers' acceptances (90 days)
		60 to 90 days	6 months					60 to 90 days	6 months		
1927											
Jan. 8	4 1/4-5	4 1/4-4 3/4	4 3/4	Jan. 4	3 3/4-3 3/4	Jan. 7	4-5 1/2	4 1/4-4 1/4	4 1/4-4 1/4	Jan. 8	3 1/4-3 3/4
Jan. 15	4-4 1/2	4 1/2-4 3/4	4 3/4-4 3/4	Jan. 11	3 3/4-3 3/4	Jan. 14	4-4 1/2	4 1/4-4 1/4	4 1/4-4 1/4	Jan. 9	3 1/4-3 3/4
Jan. 22	4-4 1/2	4 1/2	4 3/4	Jan. 18	3 3/4-3 3/4	Jan. 21	3 3/4-4 1/2	4 1/4-4 1/4	4 3/4-4 1/4	Jan. 10	3 1/4-3 3/4
Jan. 29	4	4 1/2	4 3/4	Jan. 25	3 3/4-3 3/4	Jan. 28	3 3/4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	Jan. 23	3 1/4-3 3/4
Feb. 5	4	4 3/4-4 1/2	4 3/4	Feb. 1	3 3/4-3 3/4	Feb. 4	4-5	4 3/4-4 1/2	4 3/4-4 1/2	Jan. 30	3 1/4-3 3/4
Feb. 12	4	4 3/4	4 3/4	Feb. 8	3 3/4-3 3/4	Feb. 11	4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	Feb. 6	3 1/4-3 3/4
Feb. 19	3 3/4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	Feb. 15	3 3/4-3 3/4	Feb. 18	4 1/4-4 1/2	4 1/4-4 1/2	4 1/4-4 1/2	Feb. 14	3 1/4-3 3/4
Feb. 26	3 3/4-5	4 3/4-4 1/2	4 3/4-4 1/2	Feb. 22	3 3/4-3 3/4	Feb. 25	4-4 1/2	4 1/2-4 1/2	4 1/2-4 1/2	Feb. 20	3 1/4-3 3/4
Mar. 5	4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	Mar. 7	3 3/4-3 3/4	Mar. 3	4 1/4-4 1/2	4 1/4-4 1/2	4 1/4-4 1/2	Feb. 27	3 1/4-3 3/4
Mar. 12	4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	Mar. 14	3 3/4-3 3/4	Mar. 10	4-4 1/2	4 1/4-4 1/2	4 1/4-4 1/2	Mar. 5	3 1/4-3 3/4
Mar. 19	3 1/4-4	4 3/4-4 1/2	4 3/4	Mar. 21	3 3/4-3 3/4	Mar. 17	4	4 1/2-4 1/2	4 1/2-4 1/2	Mar. 12	3 1/4-3 3/4
Mar. 26	4-4 1/2	4 3/4-4 1/2	4 3/4	Mar. 28	3 3/4-3 3/4	Mar. 24	4	4 1/2-4 1/2	4 1/2-4 1/2	Mar. 19	3 1/4-3 3/4
Apr. 2	4-4 1/2	4 3/4-4 1/2	4 3/4	Apr. 4	3 3/4-3 3/4	Mar. 31	4 3/4-5	4 3/4-4 1/2	4 3/4-4 1/2	Mar. 26	3 1/4-3 3/4
Apr. 9	4-4 1/2	4 3/4	4 3/4	Apr. 11	3 3/4-3 3/4	Apr. 7	5-5 1/2	4 3/4-4 1/2	4 3/4-4 1/2	Apr. 2	3 1/4-3 3/4
Apr. 16	4 1/4-4 1/2	4 3/4	4 3/4	Apr. 18	3 3/4-3 3/4	Apr. 14	4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	Apr. 9	3 1/4-3 3/4
Apr. 23	4-4 1/2	4 3/4-4 1/2	4 3/4	Apr. 25	3 3/4-3 3/4	Apr. 21	4 1/2-5	4 3/4-5	4 3/4-5	Apr. 16	3 1/4-4
Apr. 30	4-5	4 3/4-4 1/2	4 3/4-4 1/2	May 2	3 3/4-3 3/4	Apr. 28	4 3/4-5	4 3/4-5	4 3/4-5	Apr. 23	3 1/4-4
May 7	4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	May 9	3 3/4-3 3/4	May 5	4 1/2-6	4 3/4-5	4 3/4-5	Apr. 30	3 1/4-4
May 14	4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	May 16	3 3/4-3 3/4	May 12	5 1/2-6	4 3/4-5	4 3/4-5	May 7	3 1/4-4
May 21	4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	May 23	3 3/4-3 3/4	May 19	5 1/2-6	5-5 1/2	5-5 1/2	May 14	3 1/4-4
May 28	4-4 1/2	4 3/4-4 1/2	4 3/4-4 1/2	May 30	3 3/4-3 3/4	May 26	6	5 1/2	5 1/2	May 21	4-4 1/2
June 4	4	4 3/4-4 1/2	4 3/4-4 1/2	June 6	3 3/4-3 3/4	June 2	5 1/2-6 1/2	5 1/2-5 1/2	5 1/2-5 1/2	May 28	4-4 1/2
June 11	4-4 1/2	4 3/4-4 1/2	4 3/4	June 13	3 3/4-3 3/4	June 9	5 1/2-7	5 1/2-6	5 1/2-6	June 4	4-4 1/2
June 18	4-4 1/2	4 3/4-4 1/2	4 3/4	June 20	3 3/4-3 3/4	June 16	5 1/2-6	5 1/2-5 1/2	5 1/2-5 1/2	June 11	4-4 1/2
June 25	4	4 3/4-4 1/2	4 3/4-4 1/2	June 27	3 3/4-3 3/4	June 23	5 1/2-6 1/2	5 1/2-5 1/2	5 1/2-5 1/2	June 18	4-4 1/2
July 2	4-5	4 1/2-4 3/4	4 3/4	July 4	3 3/4-3 3/4	June 30	6 1/2-8	5 1/2-6	5 1/2-6	June 25	4 1/2-4 1/2
July 9	4-4 1/2	4 3/4-4 1/2	4 3/4	July 11	3 3/4-3 3/4	July 7	5-10	5 1/2-6	5 1/2-6	July 2	4 1/2-4 1/2
July 16	4	4 3/4-4 1/2	4 3/4-4 1/2	July 18	3 3/4-3 3/4	July 14	5 1/2-8	5 1/2-6	5 1/2-6	July 9	4 1/2-4 1/2
July 23	3 1/2-4	4 3/4-4 1/2	4 3/4-4 1/2	July 25	3 1/2-3 3/4	July 21	5-6 1/2	6	6	July 16	4 1/2-4 1/2
July 30	3 1/2-4	4 3/4-4 1/2	4 3/4-4 1/2	Aug. 1	3 1/2-3 1/2	July 28	5 1/2	6	6	July 23	4 1/2-4 1/2
Aug. 6	3 3/4-4	4-4 1/2	4 3/4-4 1/2	Aug. 8	3 1/2-3 1/2	Aug. 4	5 1/2-8	6	6	July 30	4 1/2-4 1/2
Aug. 13	3 3/4	4-4 1/2	4 3/4-4 1/2	Aug. 15	3 1/2-3 1/2	Aug. 11	6-8	6-6 1/2	6-6 1/2	Aug. 6	4 1/2-4 1/2
Aug. 20	3 1/2-3 3/4	3 3/4-4 1/2	4 3/4-4 1/2	Aug. 22	3 1/2-3 1/2	Aug. 18	4 1/2-7	6 1/2	6 1/2	Aug. 13	4 1/2-4 1/2
Aug. 27	3 1/2	3 3/4-4 1/2	4 3/4-4 1/2	Aug. 29	3 1/2-3 1/2	Aug. 25	6-7 1/2	6 1/4-6 1/2	6 1/4-6 1/2	Aug. 20	4 1/2-4 1/2
Sept. 3	3 1/2-4	3 3/4-4	4 1/4-4 3/4	Sept. 5	3 1/2-3 1/2	Sept. 1	7-8	6 1/2	6 1/2	Aug. 27	4 1/2-4 1/2
Sept. 10	3 1/2-4	3 3/4-4	4 1/4-4 3/4	Sept. 12	3 1/2-3 1/2	Sept. 8	7 1/2-8	6 1/2	6 1/2	Sept. 3	4 1/2-4 1/2
Sept. 17	3 1/2-4 1/2	4-4 1/2	4 3/4-4 3/4	Sept. 19	3 1/2-3 1/2	Sept. 15	7-8	7	6 3/4	Sept. 10	4 1/2-4 1/2
Sept. 24	3 1/2-4	4-4 1/2	4 3/4-4 3/4	Sept. 26	3 1/2-3 1/2	Sept. 22	6 1/2-9	7-7 1/2	6 3/4-7 1/2	Sept. 17	4 1/2-4 1/2
Oct. 1	3 1/2-4	4-4 1/2	4 3/4-4 3/4	Oct. 3	3 1/2-3 1/2	Sept. 29	6-8	7 1/4-7 1/2	7 1/4-7 1/2	Sept. 24	4 1/2-4 1/2
Oct. 8	4-4 1/2	4-4 1/2	4 3/4-4 3/4	Oct. 10	3 1/2-3 3/4	Oct. 6	6-10	7 1/4-7 1/2	7 1/4-7 1/2	Oct. 1	4 1/2-4 1/2
Oct. 15	4-4 1/2	4-4 1/2	4 3/4-4 3/4	Oct. 17	3 1/2-3 3/4	Oct. 13	6-6 1/2	7-7 1/4	7-7 1/4	Oct. 8	4 1/2-4 1/2
Oct. 22	3 1/2-4 1/2	4-4 1/2	4 3/4-4 3/4	Oct. 24	3 1/2-3 3/4	Oct. 20	6 1/2-8	7	6 1/2	Oct. 15	4 1/2-4 1/2
Oct. 29	3 1/2-4	4-4 1/2	4 3/4-4 3/4	Oct. 31	3 1/2-3 3/4	Oct. 27	6-8	6 3/4-7	6 3/4-7	Oct. 22	4 1/2-4 1/2
Nov. 5	3 1/2-4	4-4 1/2	4 3/4-4 3/4	Nov. 7	3 1/2-3 1/2	Nov. 3	7-8	6 3/4-7	6 1/4-7	Oct. 29	4 1/2-4 1/2
Nov. 12	3 1/2-4	4-4 1/2	4 3/4-4 3/4	Nov. 14	3 1/2-3 1/2	Nov. 10	6-7	6 3/4-7	6 3/4-7	Nov. 5	4 1/2-4 1/2
Nov. 19	3 1/2-4	4-4 1/2	4 3/4	Nov. 21	3 1/2-3 1/2	Nov. 17	6-6 1/2	6 3/4-7	6 1/4-7	Nov. 12	4 1/2-4 1/2
Nov. 26	3 1/2-4	4-4 1/2	4 3/4-4 3/4	Nov. 28	3 1/2-3 3/4	Nov. 24	6 1/2	6 3/4-7	6 1/4-7	Nov. 19	4 1/2-4 1/2
Dec. 3	3 1/2-4 1/4	4-4 1/4	4-4 1/4	Dec. 5	3 1/4-3 3/4	Dec. 1	6 1/2-10	6 3/4-7	6 3/4-7	Nov. 26	4 1/2-4 1/2
Dec. 10	4-4 1/2	4 1/4-4 1/2	4 1/4-4 1/2	Dec. 12	3 1/4-3 3/4	Dec. 8	8-12	7-7 1/2	7-7 1/2	Dec. 3	4 1/2-4 1/2
Dec. 17	4-4 1/2	4 1/4-4 1/2	4 1/4-4 1/2	Dec. 19	3 1/4-3 3/4	Dec. 15	6-9	7 1/4-7 3/4	7 1/4-7 3/4	Dec. 10	4 1/2-4 1/2
Dec. 24	4 1/2-5	4 1/4-4 1/2	4 1/4-4 1/2	Dec. 30	3 1/4-3 3/4	Dec. 22	6-9	7 1/2-7 3/4	7 1/2-7 3/4	Dec. 17	4 1/2-4 1/2
Dec. 31	5-5 1/2	4 1/4-4 1/2	4 1/4			Dec. 29	9-12	7 3/4	7 1/2-7 3/4	Dec. 24	4 1/2-4 1/2

Sources: Call and time rates from The Annalist, acceptance rates from Acceptance Bulletin of the American Acceptance Council.

No. 310.—FIRE AND MARINE INSURANCE BUSINESS: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Data cover transactions of both United States and foreign companies

[All figures except number of companies in thousands of dollars]

Calendar year	Stock and mutual companies								
	Number of companies	Capital	Total assets ¹	Net surplus	Net premiums	Total income	Losses	Dividends	Expenses
1890.....	580	86,732	322,078	108,734	143,346	157,858	75,335	12,946	40,810
1895.....	555	70,225	347,664	118,228	161,447	175,750	80,213	14,666	54,203
1900.....	493	73,151	413,027	162,658	182,131	198,313	108,307	16,020	65,861
1905.....	560	76,128	544,182	211,545	270,387	292,005	124,926	22,877	93,310
1909.....	598	87,538	662,966	246,339	329,447	362,550	154,431	30,192	116,087
1910.....	593	94,734	572,899	206,212	263,303	291,534	123,692	34,857	94,389
1911.....	693	97,703	745,044	276,956	354,506	388,462	183,477	32,409	128,332
1912.....	595	96,944	774,985	286,969	367,470	406,336	188,082	31,640	136,517
1913.....	605	105,196	792,313	285,504	381,037	416,075	202,605	33,460	141,821
1914.....	596	105,670	815,747	284,523	396,550	430,873	224,640	30,967	143,339
1915.....	613	107,675	873,945	321,014	410,361	459,361	221,701	26,569	157,730
1916.....	908	118,994	965,859	345,501	493,936	535,753	244,813	39,742	172,207
1917.....	939	126,880	1,077,952	399,574	614,647	681,922	293,842	42,477	203,818
1918.....	630	131,221	1,189,795	378,216	716,980	772,740	335,921	43,566	249,261
1919.....	781	183,103	1,391,096	453,920	810,881	884,166	335,570	52,474	295,405
1920.....	789	176,906	1,609,141	464,565	995,295	1,073,625	451,470	63,816	371,479
1921.....	802	184,584	1,682,351	501,337	832,906	918,921	514,765	64,959	343,209
1922.....	754	200,307	1,627,845	550,907	861,257	939,593	477,116	73,924	337,506
1923.....	763	211,165	1,782,353	591,668	878,907	1,002,175	504,795	78,487	380,106
1924.....	801	232,408	1,918,477	629,262	970,806	1,070,748	524,302	76,652	300,128
1925.....	854	269,283	2,092,490	700,463	1,050,676	1,188,087	559,931	81,430	419,427
1926.....	860	278,498	2,248,197	733,060	1,110,895	1,228,309	581,234	92,897	448,985
1927.....	870	315,689	2,503,063	908,495	1,108,434	1,250,380	544,254	99,280	448,988
Calendar year	Lloyd's and interinsurance companies					Total			
	Number of associations	Net premiums	Total income	Losses	Total disbursements	Net premiums	Total income	Losses	Total disbursements
1905.....	37	3,020	3,338	1,371	2,508	273,417	296,333	126,295	243,620
1909.....	38	4,415	4,719	1,939	3,843	333,862	367,275	156,370	304,552
1910.....	31	3,831	4,111	1,644	3,744	267,134	295,645	125,336	266,081
1911.....	28	4,118	4,605	1,441	3,465	358,624	392,967	184,918	347,683
1912.....	26	4,157	4,424	1,902	4,101	371,627	410,700	190,073	359,399
1913.....	40	4,331	4,623	2,102	4,122	385,368	421,599	204,797	382,098
1914.....	37	9,425	9,860	3,575	7,706	405,975	440,733	228,215	406,641
1915.....	45	12,003	12,634	4,470	9,609	431,365	471,996	226,171	415,540
1916.....	54	13,076	13,746	5,653	11,247	507,012	549,490	250,460	468,008
1917.....	56	13,142	14,095	5,898	11,326	628,289	695,924	290,710	551,464
1918.....	95	20,874	21,636	10,470	18,174	737,854	794,376	346,391	646,803
1919.....	105	23,067	24,146	8,739	18,009	833,948	908,312	344,308	702,357
1920.....	137	24,940	26,194	10,403	20,481	1,020,242	1,102,789	461,373	907,245
1921.....	131	28,864	32,777	13,921	29,073	861,770	948,609	528,675	951,997
1922.....	125	30,056	32,537	13,282	29,070	881,313	972,106	490,398	917,700
1923.....	116	35,715	37,831	14,809	33,210	914,622	1,040,007	519,603	996,698
1924.....	140	40,706	50,768	21,858	44,037	1,017,512	1,121,517	546,159	1,035,119
1925.....	134	43,370	45,120	21,110	42,474	1,094,046	1,233,267	581,041	1,103,262
1926.....	121	45,366	49,085	22,274	43,141	1,156,201	1,227,485	603,507	1,165,206
1927.....	111	46,489	50,085	22,385	44,233	1,154,922	1,309,471	566,639	1,136,790

¹ Exclusive of premium notes.

² Figures for 1911 and 1912 cover the business of 24 associations; 1913, 30; 1916, 47; 1919, 95; 1920, 101; 1921, 103; 1922, 105; 1923, 108; 1924, 133; 1925, 110; 1926, 115; and 1927, 106.

³ Premiums of 84 associations.

⁴ Income of 88 associations.

⁵ Losses paid and total disbursements of 89 associations.

Source: Insurance Yearbook of the Spectator Co., New York City.

No. 311.—FIRE INSURANCE: OUTSTANDING RISKS, CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, DECEMBER 31

NOTE.—Covers transactions of members of the National Board of Fire Underwriters, both United States and foreign companies. Fire and lightning risks only beginning with 1918; in previous years marine risks are also included

[Amount covered and premiums charged in millions and tenths of millions of dollars]

Year or yearly average	Number of companies	Amount covered	Pre-miums charged ¹	Rate on \$100	Year	Number of companies	Amount covered	Pre-miums charged ¹	Rate on \$100
1877-1880.....	171	0, 393. 8	61. 5	\$0. 9623	1919.....	159	75, 163. 8	769. 5	\$1. 0118
1881-1890.....	152	10, 992. 8	113. 7	1. 0347	1920.....	169	85, 970. 2	846. 3	. 9844
1891-1900.....	140	18, 368. 0	190. 6	1. 0373	1921.....	175	93, 715. 3	916. 6	. 9780
1901-1910.....	156	31, 923. 7	354. 9	1. 1116	1922.....	174	96, 283. 3	938. 4	. 9726
1911-1920.....	181	62, 275. 8	620. 0	1. 0101	1923.....	184	105, 927. 5	1, 017. 0	. 9601
1914.....	191	56, 012. 9	570. 7	1. 0189	1924.....	197	115, 683. 4	1, 092. 0	. 9440
1915.....	193	58, 867. 1	588. 7	1. 0000	1925.....	210	128, 255. 2	1, 189. 9	. 9277
1916.....	199	63, 355. 3	628. 2	. 9915	1926.....	210	137, 739. 9	1, 257. 9	. 9132
1917.....	197	72, 331. 7	698. 3	. 9654	1927.....	213	144, 777. 2	1, 305. 3	. 9014
1918.....	154	63, 083. 1	638. 1	1. 0115					

¹ Gross less reinsurance.

Source Insurance Yearbook of the Spectator Co., New York City.

No. 312.—FIRE AND LIGHTNING INSURANCE: BUSINESS TRANSACTED BY MEMBERS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

[All money figures, except average annual rate of premium, in millions and tenths of millions of dollars]

	1920	1922	1923	1924	1925	1926	1927
Number of companies, total.....	169	174	184	197	210	210	213
United States companies.....	124	129	137	152	165	168	173
Foreign companies.....	45	45	47	45	45	42	40
Gross insurance written.....	100, 194. 7	95, 282. 5	113, 358. 5	118, 398. 0	140, 496. 9	142, 068. 8	139, 958. 8
United States companies.....	71, 469. 1	71, 216. 7	89, 798. 9	92, 323. 8	113, 406. 1	114, 053. 3	114, 026. 0
Foreign companies.....	28, 785. 6	24, 065. 8	28, 559. 6	26, 074. 3	27, 090. 8	28, 915. 5	25, 932. 9
Gross premiums charged.....	963. 6	898. 9	1, 084. 2	1, 056. 3	1, 226. 0	1, 233. 1	1, 205. 6
Net premiums written.....	533. 9	505. 4	598. 0	595. 9	644. 3	679. 0	639. 8
Net premiums earned.....	450. 9	492. 0	535. 4	571. 3	599. 0	634. 5	627. 6
Net losses paid.....	226. 0	282. 8	315. 1	325. 8	351. 1	351. 6	298. 7
Net losses incurred.....	246. 1	286. 7	308. 5	343. 7	354. 1	352. 0	295. 7
Net expenses.....	219. 5	214. 2	252. 0	263. 2	281. 2	301. 5	288. 3
Agents' compensation.....	121. 0	120. 1	145. 8	149. 0	161. 5	172. 1	163. 3
Taxes.....	27. 6	17. 3	18. 4	20. 3	20. 1	21. 2	20. 8
Average annual rate of premium per \$100 insurance.....	\$0. 9617	\$0. 9434	\$0. 8991	\$0. 8922	\$0. 8726	\$0. 8625	\$0. 8600
Per cent of—							
Net losses incurred to net premiums earned.....	54. 6	58. 3	57. 6	60. 2	59. 1	55. 6	47. 1
Net losses incurred to net premiums written.....	46. 1	56. 7	51. 5	57. 7	55. 0	52. 0	46. 2
Net expenses to net premiums earned.....	48. 7	43. 5	47. 1	46. 1	46. 9	47. 5	45. 9
Net expenses to net premiums written.....	41. 1	42. 4	42. 1	44. 2	43. 6	44. 4	45. 1
Agents' compensation to net premiums written.....	22. 7	23. 8	24. 4	25. 0	25. 1	25. 3	25. 5
Taxes to net premiums written.....	5. 2	3. 4	3. 1	3. 4	3. 1	3. 1	3. 2

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 313.—FIRES IN CITIES OF 100,000 OR MORE INHABITANTS: 1927

NOTE.—Losses are as reported by the chiefs of fire departments, estimated in many cases. Per capita figures are based on total loss where available, otherwise on insurance loss. Population estimates used in computing per capita figures are from the Census Bureau for some cities, from municipal authorities for others

[Amounts, except per capita, in thousands of dollars]

City and State	Number of fires	Total loss (insured and uninsured)	Insurance loss	Loss per capita	City and State	Number of fires	Total loss (insured and uninsured)	Insurance loss	Loss per capita
Alabama: Birmingham	2,058	676	611	\$3.25	New Jersey—Con.				
California:					Jersey City	1,438	1,348	1,306	\$4.15
Long Beach	575	174	90	1.16	Newark	2,650	1,826	1,141	2.84
Los Angeles	8,872	2,000		1.60	Paterson	710	644	615	4.29
Oakland	2,301	739	699	2.17	Trenton	501	219	212	1.69
Sacramento	488	712	701	6.78	New York:			469	3.78
San Diego	1,013	116	91	.77	Albany	1,165			3.51
San Francisco	5,747				Buffalo	2,040	1,970		3.80
Colorado: Denver	2,003	505	447	1.57	New York City:	24,341	19,085		
Connecticut:					Manhattan				
Bridgeport	878	197	177	1.90	Bronx, and				
Hartford	876	262	260	1.54	Richmond	13,630	12,360		4.28
New Haven	1,301	677	666	3.66	Brooklyn and				
Waterbury	681	377	339	3.25	Queens	10,711	7,326		2.98
Delaware: Wil-					Rochester	1,820	453		1.39
mington	620	230		1.88	Syracuse	943	290	280	1.32
District of Colum-					Utica	225	203	202	1.88
bia: Washington	2,702	652	422	1.76	Yonkers	856	204	101	1.70
Florida:					Ohio:				
Jacksonville	1,293	472	377	2.55	Akron	1,123	274	261	1.19
Miami	1,216	437	348	3.31	Canton	406	51	51	.44
Tampa	954	369	316	2.22	Cincinnati	1,881	838	764	1.83
Georgia:					Cleveland	5,163	2,832	2,220	2.37
Atlanta	2,219	996	862	3.99	Columbus	1,666	557	514	1.79
Savannah	622	160	156	1.45	Dayton	1,133	230	220	1.25
Illinois: Chicago	20,056	13,617	11,983	4.39	Toledo	1,809	824	764	2.70
Indiana:					Youngstown	804	384	332	2.45
Fort Wayne	990	464	459	3.93	Oklahoma:				
Gary	649	203	183	1.84	Oklahoma City	1,405	149	143	1.11
Indianapolis	3,280	801	698	2.01	Tulsa	1,175	74		.49
South Bend	931	211	207	2.11	Oregon: Portland	1,982	731	711	2.09
Iowa: Des Moines	1,393	269	250	1.79	Pennsylvania:				
Kansas:					Allentown	206	402	369	4.02
Kansas City	1,002	811	775	6.45	Erie	655	122		.90
Wichita	712	126	109	1.22	Philadelphia	6,389	4,230	3,570	2.68
Kentucky: Louis-					Pittsburgh	2,998	2,276		3.42
ville	2,153	733	609	2.09	Reading	237	139		1.26
Louisiana: New					Scranton	691	791	776	5.27
Orleans	1,650	624		1.46	Rhode Island:				
Maryland: Balti-					Providence	2,085	745	664	2.78
more	4,199	1,733	1,697	2.14	Tennessee:				
Massachusetts:					Chattanooga	875	109	169	1.42
Boston	3,875	3,927	3,724	4.92	Knoxville	820	261		2.61
Cambridge	1,024	456	433	3.79	Memphis	2,189	577	480	2.88
Fall River	865	363	293	2.83	Nashville	1,670	860	766	5.97
Lowell	1,149	249	242	2.20	Texas:				
Lynn	1,041	687	668	6.60	Dallas	887	1,367	1,276	5.06
New Bedford	680	220		1.82	El Paso	498	79	57	.79
Somerville	697		206	1.96	Fort Worth	1,646	958	932	4.01
Springfield	1,105	368	346	2.43	Houston	2,237	935		3.28
Worcester	1,928	698	698	3.49	San Antonio	1,123	162	105	.65
Michigan:					Utah: Salt Lake				
Detroit	8,783	5,713		3.27	City	1,124	365	295	2.43
Flint	1,262	177	151	1.18	Virginia:				
Grand Rapids	1,472	291	271	1.73	Norfolk	1,215	360	339	1.93
Minnesota:					Richmond	1,349	408	369	2.04
Duluth	509	459	401	3.82	Washington:				
Minneapolis	3,739	1,534	1,491	3.09	Seattle	723	602	542	1.36
St. Paul	2,005	1,477	1,454	4.72	Spokane	1,072	319	315	2.53
Missouri:					Tacoma	1,042	370	345	2.85
Kansas City	3,244	1,489	1,411	3.17	Wisconsin: Mil-				
St. Louis	5,843	2,584	2,496	3.23	waukee	3,012	1,135	1,110	1.98
Nebraska: Omaha	2,237	662	613	2.97	Hawaii Territory:				
New Jersey:					Honolulu	282	75	51	.60
Camden	619		103	.78	Philippine Islands:				
Elizabeth	559		202	1.68	Manila	145	759		2.67

Source: Report of Committee on Statistics and Origin of Fires; National Board of Fire Underwriters.

No. 314.—FIRE LOSSES: TOTAL AND PER CAPITA, CONTINENTAL UNITED STATES

NOTE.—Amounts, except per capita, in thousands of dollars. Prior to 1916, figures are as compiled by the New York Journal of Commerce and include losses of \$10,000 or over in the principal cities of the United States, adding 15 per cent for small and unreported losses. These figures are not comparable with those shown for later years (the 1916 Journal of Commerce figure being \$214,531,000 as against \$258,378,000) which cover all fires reported to the Actuarial Bureau Committee, adding 25 per cent for unreported and uninsured losses

Year	Loss	Year	Loss	Year	Loss	Year	Loss
1877	68,266	1890	108,994	1903	145,802	1916	258,378
1878	64,316	1891	143,765	1904	229,198	1917	289,535
1879	77,704	1892	151,516	1905	165,222	1918	353,879
1880	74,643	1893	167,544	1906	618,612	1919	320,540
1881	81,281	1894	140,006	1907	215,085	1920	447,887
1882	84,505	1895	142,110	1908	217,886	1921	405,406
1883	100,149	1896	118,737	1909	188,705	1922	605,541
1884	110,009	1897	116,355	1910	214,003	1923	635,373
1885	102,819	1898	130,594	1911	217,005	1924	519,062
1886	104,925	1899	153,538	1912	206,439	1925	559,418
1887	120,283	1900	160,930	1913	203,764	1926	560,549
1888	110,886	1901	165,818	1914	221,439	1927	478,245
1889	128,047	1902	161,078	1915	172,033	1928	472,226

Year	Cities reporting actual loss				Total United States		
	Number of cities	Population (thousands)	Actual reported loss, total	Loss per capita	Population (thousands)	Estimated loss	Loss per capita
1919	326	39,899	103,028	\$2.58	105,003	320,540	\$3.05
1920	370	39,637	151,121	3.81	106,422	447,887	4.21
1921	370	40,325	141,406	3.51	168,445	495,406	4.57
1922	366	40,768	147,096	3.61	109,893	506,541	4.62
1923	372	42,947	147,102	3.42	111,693	535,373	4.79
1924	366	43,376	146,223	3.37	113,727	549,062	4.83
1925	370	45,297	160,012	3.53	116,378	559,418	4.85
1926	377	53,244	178,179	3.35	117,130	560,549	4.79
1927	408	51,292	144,619	2.82	118,628	478,246	4.03
1928	445	51,836	140,088	2.70	120,013	472,225	3.93

Source: Committee on Statistics, National Board of Fire Underwriters.

No. 315.—LIFE INSURANCE: OPERATIONS OF ALL COMPANIES OF THE UNITED STATES, FROM ORGANIZATION TO JANUARY 1, 1928

NOTE.—Data include business transacted in United States territories and possessions

[All figures, except number of policies, in thousands of dollars]

	Total	Ordinary companies	Industrial companies
Total insurance issued since organization:			
Number of policies (thousands).....	296,512	160,169	236,343
Amount.....	176,929,240	136,044,008	240,885,233
Insurance in force Jan. 1, 1928:			
Number of policies (thousands).....	109,392	127,146	282,246
Amount.....	87,022,103	171,473,615	15,548,488
Receipts since organization, total.....	40,260,273	28,597,171	11,663,102
Premium and annuity.....	31,411,088	21,605,856	9,865,233
Interest, rents, etc.....	8,849,184	6,991,315	1,857,869
Payments to policyholders since organization, total.....	18,416,805	14,396,315	4,020,490
Death claims.....	8,426,372	6,127,860	2,298,513
Endowments and annuities ²	2,427,261	2,009,004	418,257
Purchased policies, surrender values.....	3,371,828	2,808,831	562,990
Dividends to policyholders.....	4,191,344	3,450,620	740,724
Admitted assets, Jan. 1, 1928.....	14,301,851	9,509,688	4,882,163
Capital, apportioned funds and surplus, Jan. 1, 1928.....	1,525,035	1,095,237	430,348

¹ Includes group business and ordinary and group business of industrial companies.

² Industrial business only.

³ Includes disability and double indemnity.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 316.—LIFE INSURANCE: SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNT OF ALL COMPANIES OF THE UNITED STATES

NOTE.—Data include business transacted in United States territories and possessions

[All figures, except number of policies, in millions of dollars]

Year	Assets (admitted) Dec. 31	Liabilities, ¹ Dec. 31	Total income	Payments to policyholders	Insurance written and paid for during year		Policies in force Dec. 31				
					Ordinary ²	Industrial	Number (thousands)		Amount		
							Ordinary ²	Industrial	Total	Ordinary ²	Industrial
1850							29		69	69	
1860							60		180	180	
1870							859		2,263	2,263	
1880	453		81	50			685	237	1,602	1,532	21
1890	771	679	107	90	742	242	1,320	3,383	4,050	3,621	429
1900	1,742	1,493	401	169	1,280	566	3,176	11,219	8,561	7,093	1,468
1901	1,911	1,640	458	192	1,421	599	3,694	12,337	9,594	7,953	1,641
1902	2,092	1,798	505	200	1,564	612	4,160	13,443	10,505	8,699	1,807
1903	2,235	1,979	554	220	1,727	697	4,694	14,607	11,547	9,509	1,978
1904	2,499	2,188	599	247	1,796	613	5,508	15,674	12,548	10,412	2,136
1905	2,706	2,373	642	265	1,726	661	5,621	16,873	13,364	11,054	2,310
1906	2,924	2,557	667	287	1,451	631	5,793	17,341	13,707	11,253	2,454
1907	3,053	2,736	679	310	1,345	676	5,943	18,344	14,063	11,486	2,577
1908	3,380	2,939	704	330	1,499	694	6,165	19,688	14,519	11,850	2,669
1909	3,644	3,170	743	361	1,656	733	6,535	21,552	15,420	12,452	2,968
1910	3,876	3,380	781	387	1,822	795	6,964	23,034	16,404	13,227	3,177
1911	4,104	3,646	836	414	2,097	773	7,609	24,713	18,003	14,578	3,424
1912	4,409	3,880	893	449	2,240	842	8,169	26,690	19,265	15,550	3,709
1913	4,659	4,136	946	470	2,550	850	8,775	29,432	20,564	16,587	3,977
1914	4,935	4,365	935	509	2,457	868	9,455	31,159	21,539	17,420	4,104
1915	5,160	4,938	1,043	545	2,621	974	9,890	33,142	22,784	18,340	4,435
1916	5,537	5,253	1,118	566	3,213	999	10,698	35,673	24,679	19,865	4,811
1917	5,941	5,634	1,249	593	3,840	1,051	11,682	38,794	27,150	21,966	5,223
1918	6,475	6,202	1,325	710	3,988	1,143	12,793	41,852	29,870	24,167	5,703
1919	6,759	6,432	1,500	739	7,010	1,305	15,716	51,295	35,880	29,273	6,607
1920	7,320	6,980	1,764	745	8,490	1,615	16,695	49,805	42,281	35,092	7,190
1921	7,936	7,548	1,951	838	6,787	1,943	17,685	54,097	45,983	37,977	8,006
1922	8,652	8,124	2,149	973	7,500	2,268	18,814	58,283	50,291	41,404	8,887
1923	9,455	8,902	2,427	1,083	9,455	2,615	20,534	63,461	56,804	46,696	10,107
1924	10,394	9,790	2,703	1,174	10,152	3,043	22,092	68,243	63,730	52,436	11,344
1925	11,533	10,867	3,018	1,243	11,317	3,650	23,894	73,736	71,690	58,866	12,824
1926	12,940	12,177	3,330	1,373	12,413	4,043	25,501	77,965	79,644	65,457	14,187
1927	14,392	13,551	3,673	1,500	12,671	4,465	27,146	82,246	87,022	71,474	15,543

¹ Not including unapportioned surplus and capital and prior to 1915 also apportioned surplus. For amount of latter item in 1915 and recent years see Table 317.

² Includes group business.

Source: Prior to 1890 Frederick L. Hoffman, Insurance statistician, Newark, N. J.; 1890 and subsequent years, the Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 317.—LIFE INSURANCE: FINANCIAL CONDITION AND BUSINESS OF ALL COMPANIES OF THE UNITED STATES

NOTE.—All money figures in thousands of dollars. Data include business transacted in United States Territories and possessions. Insurance operations of Veterans' Bureau are not included, see pp. 159 to 161.

	1900	1910	1915	1920	1925	1926	1927
Number of companies	76	214	238	272	308	322	310
Capital stock, Dec. 31	12,832	40,846	52,645	66,905	105,707	128,050	132,449
Income, total	400,603	781,011	1,043,083	1,764,213	3,017,800	3,330,298	3,673,151
Premium income, total	324,724	663,388	784,318	1,384,939	2,388,918	2,624,014	2,874,452
New premiums ¹	62,276	70,180	92,441	274,478	340,566	347,245	361,124
Renewed ¹	256,142	517,536	683,991	1,099,740	1,999,480	2,229,654	2,452,686
Annuities	6,306	5,672	7,886	10,721	43,867	47,115	60,632
Interest and other income, total	75,879	187,623	258,765	379,274	633,887	706,284	798,699
Interest, dividends, etc.	64,949	160,514	229,659	324,372	527,577	582,849	641,532
Rents	8,225	10,310	10,941	16,312	23,125	24,228	27,243
Other	2,706	16,799	18,165	28,592	83,185	99,207	129,624

¹ Includes disability and double indemnity receipts and payments.

No. 317.—LIFE INSURANCE: FINANCIAL CONDITION AND BUSINESS OF ALL COMPANIES OF THE UNITED STATES—Continued

	1900	1910	1915	1920	1925	1926	1927
Expenditures, total	207,580	540,342	768,508	1,198,866	1,986,422	2,123,772	2,205,123
Paid to policyholders	163,688	387,302	544,708	744,648	1,242,874	1,373,201	1,499,899
Death losses.....	100,721	180,654	237,301	349,904	493,391	569,077	613,515
Matured endowments.....	18,335	48,349	63,883	101,181	114,473	98,718	80,100
Annuities ¹	4,122	7,426	8,860	16,897	33,531	45,691	54,837
Surrendered policies, etc.....	22,650	77,518	123,790	110,001	248,625	232,005	324,525
Dividends.....	23,860	75,354	111,276	157,547	351,160	376,613	417,862
Other expenditures	98,892	153,040	223,801	453,717	693,448	750,571	795,225
To agents, commissions, salaries, traveling expenses.....	61,282	87,629	115,328	257,822	399,499	431,053	449,430
Medical fees, salaries, other employee costs.....	13,034	26,037	34,312	61,566	99,233	104,981	110,792
Dividends to stockholders.....	1,028	2,140	3,293	5,308	14,500	13,205	18,259
Other.....	23,548	37,235	70,868	129,021	180,210	201,332	216,744
Admitted assets, Dec. 31, total	1,742,414	3,875,877	5,190,310	7,319,997	11,537,616	12,939,807	14,391,851
Real estate.....	158,119	172,961	173,367	172,011	265,938	368,418	350,366
Real estate mortgages.....	501,499	1,227,232	1,770,279	2,174,863	4,799,216	5,564,257	6,183,601
Stocks owned.....	794,632	129,622	81,056	51,356	81,492	89,395	102,094
Bonds owned.....	7,191	1,659,845	2,094,688	3,588,728	4,331,288	4,592,912	5,078,453
Collateral loans.....	64,489	13,941	16,729	41,301	20,416	25,614	27,467
Premium notes and loans.....	88,501	495,100	779,159	868,915	1,445,507	1,599,390	1,784,974
Net deferred and unpaid premiums.....	33,269	50,956	73,475	130,923	251,848	283,993	315,202
Cash, etc.....	75,440	71,113	114,285	124,747	124,252	116,683	133,436
Other.....	19,276	50,107	78,272	177,162	217,687	364,245	416,219
Asset items not admitted.....	12,249	25,186	31,507	77,424	119,178	114,297	117,326
Liabilities, Dec. 31, total	1,493,379	3,590,978	4,936,028	6,989,399	10,867,476	12,177,863	13,550,008
Reserve.....	1,443,452	3,225,966	4,398,894	6,337,970	9,926,515	11,061,459	12,201,050
Losses, etc., unpaid.....	9,863	17,072	29,588	43,116	64,265	75,213	84,208
Claims resisted.....	999	1,779	2,569	2,475	5,413	6,730	8,290
Dividends unpaid and left to accumulate.....	3,598	5,533	20,654	53,048	134,272	159,231	185,173
Surplus apportioned.....	(2)	279,614	411,887	412,359	593,793	601,386	684,277
Other.....	35,466	61,014	74,430	140,361	173,213	273,344	297,460
Surplus (including capital).....	249,035	210,440	252,283	330,038	670,140	762,444	840,907
Total surplus funds.....	249,035	490,054	664,170	743,027	1,233,933	1,363,830	1,525,635
POLICY ACCOUNT—AMOUNTS							
New business written and paid for, total	1,846,267	2,567,053	3,594,697	10,105,445	15,472,999	16,460,551	17,135,459
Ordinary ²	1,280,265	1,822,260	2,621,014	8,489,971	10,563,128	11,044,742	11,404,909
Group.....					1,253,619	1,367,879	1,265,940
Industrial.....	568,002	734,793	978,688	1,615,474	3,650,253	4,047,911	4,464,610
In force Dec. 31, total	8,561,249	16,404,261	22,784,161	42,281,391	71,959,749	79,644,487	87,022,103
Ordinary, total ³	7,093,320	13,227,213	18,349,235	35,091,558	54,566,797	60,091,395	65,048,873
Whole life.....	4,790,345	8,811,743	12,425,471	25,583,423	39,290,372	43,268,514	47,097,276
Endowment.....	1,664,450	3,043,689	3,656,723	6,975,432	9,636,968	10,512,313	11,376,517
Other.....	638,425	1,371,782	2,267,092	2,532,693	5,629,957	6,249,508	6,570,080
Group.....					4,299,271	5,425,988	6,420,743
Industrial.....	1,468,028	3,177,048	4,434,966	7,189,852	12,823,681	14,187,104	15,548,488
NUMBER OF POLICIES (thousands)							
Written during year, total	4,671	6,008	8,464	13,249	20,325	20,572	22,177
Ordinary ²	729	993	1,495	3,924	3,897	4,006	4,266
Group.....					3	3	5
Industrial.....	3,942	5,009	6,968	9,325	16,425	16,563	17,907
In force Dec. 31, total	14,395	29,999	43,032	68,499	97,629	108,466	109,392
Ordinary ²	3,176	6,964	9,890	16,696	23,882	25,437	27,123
Group.....					12	14	18
Industrial.....	11,219	23,034	33,142	49,805	73,736	77,065	82,246

¹ Includes disability and double indemnity receipts and payments.

² "Surplus apportioned" included in "surplus, including capital."

³ Includes "Group" prior to 1925.

No. 318.—LIFE INSURANCE, SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNTS: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Data relate to all companies authorized to sell life insurance in New York State, which include nearly all of the important companies doing business in the United States. The figures relate to the entire business of such companies and not that in New York alone

[All figures in thousands of dollars or thousands of policies]

Calendar year	Insurance in force end of year ¹ (amount)	Calendar year	Insurance in force end of year ¹ (amount)	Calendar year	Insurance in force end of year ¹ (amount)
1850	141,498	1875	1,922,043	1891	3,868,380
1860	163,703	1876	1,735,995	1892	4,208,975
1861	165,256	1877	1,556,105	1893	4,623,473
1862	183,963	1878	1,480,921	1894	4,657,583
1863	207,659	1879	1,439,961	1895	4,818,171
1864	395,703	1880	1,475,995	1896	4,967,576
1865	580,882	1881	1,540,090	1897	5,255,726
1866	865,106	1882	1,637,649	1898	5,630,053
1867	1,161,730	1883	1,763,730	1899	6,265,908
1868	1,528,985	1884	1,870,746	1900	6,947,097
1869	1,836,618	1885	2,024,103	1901	7,572,803
1870	2,023,885	1886	2,223,358	1902	8,440,713
1871	2,101,462	1887	2,475,570	1903	9,241,273
1872	2,114,743	1888	2,765,906	1904	10,238,001
1873	2,086,027	1889	3,147,006		
1874	1,997,236	1890	3,547,035		

(See last column below)

Calendar year	Assets	Liabilities, exclusive of capital	Income		Disbursements		Policies in force at end of year ¹	
			Total	Premium	Total	To policy-holders	Number (thousands)	Amount
1860	24,116	17,160	5,998	4,770	2,909	2,102	56	163,703
1870	269,620	221,161	105,026	90,215	63,877	44,949	748	2,023,885
1880	418,119	346,473	76,263	51,954	66,562	52,164	609	1,475,995
1890	753,314	668,223	193,247	151,945	131,289	88,462	1,270	3,547,035
1900	1,723,738	1,478,539	392,359	310,545	291,467	165,705	3,071	6,947,097
1905	2,651,317	2,280,031	619,426	484,407	397,830	257,967	5,306	10,553,840
1906	2,861,784	2,469,767	632,447	494,255	404,215	278,537	5,407	10,616,680
1907	2,917,968	2,906,840	625,719	483,983	401,090	292,406	5,324	10,494,508
1908	3,228,078	2,778,054	644,573	492,677	428,536	318,595	5,468	10,623,734
1909	3,466,043	2,967,102	679,724	507,114	462,486	341,993	5,756	11,110,457
1910	3,665,197	3,104,491	703,021	527,277	488,781	384,127	6,041	11,669,470
1911	3,918,071	3,377,125	750,116	558,425	521,320	387,654	6,621	12,802,089
1912	4,136,484	3,571,929	791,914	590,614	558,736	419,478	7,002	13,527,321
1913	4,361,043	3,802,073	833,681	622,846	586,312	436,968	7,452	14,324,485
1914	4,595,977	4,010,529	865,867	647,438	630,937	477,024	7,851	14,931,151
1915	4,802,904	4,222,818	917,993	677,947	687,256	507,459	8,284	15,609,722
1916	5,099,034	4,483,753	982,831	723,767	702,470	523,978	8,887	16,784,208
1917	5,450,171	4,771,716	1,088,470	801,223	746,051	537,525	9,618	18,467,379
1918	5,907,531	5,276,419	1,146,253	860,814	851,893	642,443	10,193	20,196,274
1919	6,062,858	5,445,000	1,311,956	991,460	944,509	670,161	11,607	24,010,146
1920	6,541,653	5,701,223	1,501,901	1,172,069	1,028,202	694,133	13,200	26,804,198
1921	7,018,030	6,736,889	1,630,785	1,259,192	1,091,160	753,938	14,036	29,145,345
1922	7,592,700	7,346,675	1,816,189	1,392,670	1,297,078	907,808	14,869	31,088,501
1923	8,222,260	7,981,369	2,025,372	1,563,605	1,430,083	997,830	16,055	35,181,051
1924	9,003,862	8,674,222	2,255,490	1,747,797	1,545,802	1,071,516	17,126	41,774,448
1925	10,023,932	9,823,948	2,512,995	1,936,957	1,603,238	1,094,526	18,290	43,751,246
1926	11,234,738	10,660,244	2,789,074	2,142,201	1,762,203	1,200,856	19,826	48,248,043
1927	12,482,167	11,892,865	3,064,172	2,349,484	1,892,802	1,307,218	20,961	52,320,679

¹ Industrial business and, beginning 1920, group business not included.

Source: The Insurance Yearbook, the Spectator Co., New York, N. Y.

No. 319.—LIFE INSURANCE ISSUED AND TERMINATED: ALL COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Industrial and group insurance are not included. See also headnote, Table 318

	Number of policies (thousands)				Amount (thousands of dollars)			
	1924	1925	1926	1927	1924	1925	1926	1927
New issues ¹	2,383	2,602	2,703	2,810	7,233,738	7,788,047	8,190,636	8,379,677
Policies terminated, total.....	1,340	1,298	1,402	1,075	3,025,406	3,161,204	3,691,696	4,308,553
By—								
Death.....	120	131	144	148	317,343	318,523	366,687	397,332
Maturity.....	98	95	73	62	118,273	95,396	79,068	68,894
Expiry.....	219	212	243	285	395,864	382,498	412,440	450,773
Surrender.....	275	296	326	308	697,931	748,140	800,584	1,064,185
Lapse.....	597	664	658	772	1,414,602	1,415,014	1,714,822	2,052,660
Change and decrease.....	37	9	17	4	81,036	199,247	255,868	272,838
Disability.....		1	1	1		2,470	2,530	2,980

¹ Includes all new issues, old policies revived or increased, and additions by dividends.

No. 320.—LIFE INSURANCE ISSUED AND TERMINATED BY SURRENDER, LAPSE, AND CHANGE AND DECREASE: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Policies terminated by death, maturity, and expiry are not included in this table. Industrial business and, beginning 1920, group business not included. See also headnote, Table 318

[All figures expressed in thousands of dollars or thousands of policies]

Year	Issued ¹		Terminated by surrender, lapse, and decrease		Year	Issued ¹		Terminated by surrender, lapse, and decrease	
	Number	Amount	Number	Amount		Number	Amount	Number	Amount
1865.....	86	245,427	14	34,780	1897.....	431	923,805	186	444,420
1866.....	134	404,606	21	66,893	1898.....	486	1,015,563	200	433,461
1867.....	159	471,612	35	105,101	1899.....	633	1,304,306	214	442,236
1868.....	202	579,657	50	147,104	1900.....	687	1,556,779	236	467,226
1869.....	231	614,792	77	215,030	1901.....	788	1,470,318	240	454,394
1870.....	237	587,893	96	264,664	1902.....	907	1,646,013	281	515,893
1871.....	210	488,665	125	328,560	1903.....	976	1,759,682	297	522,709
1872.....	201	469,925	109	295,750	1904.....	1,101	1,884,826	349	627,914
1873.....	199	465,614	119	316,785	1905.....	1,018	1,733,102	408	701,715
1874.....	145	351,804	119	302,673	1906.....	715	1,229,869	475	759,599
1875.....	133	299,276	96	243,930	1907.....	669	967,262	214	562,028
1876.....	99	232,665	87	224,101	1908.....	692	1,060,070	217	610,084
1877.....	32	178,284	33	208,851	1909.....	695	1,284,242	308	570,631
1878.....	67	156,501	64	172,604	1910.....	747	1,362,590	296	641,405
1879.....	67	167,865	45	120,826	1911.....	812	1,577,846	323	604,383
1880.....	72	187,504	34	90,292	1912.....	898	1,762,147	365	701,476
1881.....	51	222,582	31	82,453	1913.....	1,016	1,840,578	399	732,319
1882.....	92	257,517	33	93,928	1914.....	1,013	1,808,750	433	833,661
1883.....	110	308,065	33	102,728	1915.....	1,060	1,928,289	446	859,635
1884.....	128	321,310	51	125,130	1916.....	1,257	2,362,193	405	765,090
1885.....	150	378,215	59	128,945	1917.....	1,378	2,692,850	463	729,480
1886.....	161	448,514	47	132,241	1918.....	1,335	2,965,641	401	731,160
1887.....	175	531,171	52	146,888	1919.....	2,134	5,190,839	439	797,237
1888.....	204	631,732	63	183,307	1920.....	2,420	6,058,203	561	1,119,157
1889.....	251	787,665	72	206,450	1921.....	2,012	4,902,464	881	1,063,026
1890.....	288	883,787	84	251,600	1922.....	2,038	5,513,885	877	2,032,856
1891.....	327	932,706	114	344,287	1923.....	2,352	6,694,734	827	1,884,043
1892.....	353	952,884	128	377,407	1924.....	2,383	7,233,738	908	2,193,928
1893.....	404	1,059,660	154	436,728	1925.....	2,602	7,788,047	868	2,362,401
1894.....	397	985,820	190	506,932	1926.....	2,703	8,190,636	996	2,831,274
1895.....	397	864,816	182	453,114	1927.....	2,810	8,379,677	1,175	3,389,743
1896.....	350	790,124	188	466,029					

¹ Includes all new issues, old policies revived or increased, and additions by dividends.

Source of Tables 319 and 320: The Insurance Yearbook, the Spectator Co., New York, N. Y.

No. 321.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE WRITTEN,
BY STATES

NOTE.—Totals in this table and No. 322 do not agree with totals in Tables 315 to 317 because of differences in the reports from which they are compiled as furnished by the companies to the various insurance departments, and because of duplications from reinsurance. The former also cover continental United States only

[All figures in thousands of dollars]

Division and State	Ordinary ¹				Industrial			
	1924	1925	1926	1927	1924	1925	1926	1927
Continental United States ²	10,409,709	12,477,320	13,260,047	13,691,024	2,861,349	3,560,078	3,980,317	4,239,308
New England	719,600	858,856	866,043	898,047	302,590	357,871	366,635	373,539
Maine	49,873	53,486	60,703	59,320	18,066	21,974	23,778	22,587
New Hampshire	29,404	34,101	37,771	37,323	14,011	16,174	15,029	16,032
Vermont	18,576	27,825	27,242	28,791	7,253	8,685	8,910	8,234
Massachusetts	895,021	470,568	460,157	486,342	174,455	207,172	207,668	212,683
Rhode Island	67,881	68,111	69,015	71,263	20,393	34,552	37,992	38,842
Connecticut	168,905	204,764	212,055	215,000	58,873	69,314	72,263	75,160
Middle Atlantic	3,000,356	3,494,222	3,854,858	3,973,677	963,873	1,123,960	1,243,784	1,345,481
New York	1,741,722	2,000,440	2,222,300	2,351,724	484,090	577,803	619,862	672,713
New Jersey	336,420	480,739	433,834	476,722	168,246	180,306	197,125	221,016
Pennsylvania	922,214	1,013,043	1,198,718	1,145,231	321,537	305,671	427,297	451,162
East North Central	2,358,440	2,879,580	3,350,792	3,454,253	610,451	792,909	883,994	907,700
Ohio	617,004	784,703	811,525	873,557	211,271	281,545	314,018	320,940
Indiana	257,462	307,544	333,911	361,167	116,248	143,154	150,325	146,422
Illinois	862,332	900,601	1,181,986	1,200,930	164,354	219,310	232,009	252,379
Michigan	417,277	549,575	760,835	748,108	81,010	106,113	136,004	139,176
Wisconsin	204,366	247,277	262,535	270,491	37,508	42,877	46,038	48,884
West North Central	1,170,866	1,324,571	1,310,861	1,428,644	180,097	233,433	262,077	273,047
Minnesota	273,490	276,722	275,061	261,075	24,129	23,333	20,867	30,323
Iowa	203,115	254,500	238,208	237,358	10,862	22,470	22,465	24,351
Missouri	341,748	372,988	394,590	494,672	108,843	143,441	162,101	172,204
North Dakota	41,473	45,220	43,835	47,230	4	5	7	8
South Dakota	43,620	52,335	42,533	44,228	6	7	11	14
Nebraska	116,408	169,251	141,038	164,588	7,674	10,456	11,493	12,843
Kansas	145,806	153,546	174,990	189,492	19,580	23,721	36,133	34,404
South Atlantic	970,729	1,117,360	1,152,784	1,219,214	352,481	482,447	559,849	612,671
Delaware	23,759	38,028	40,537	40,045	9,632	12,000	11,691	13,057
Maryland	147,048	153,818	163,453	164,100	67,665	85,164	96,061	97,341
Dist. of Columbia	63,662	72,050	76,244	85,585	17,987	20,928	33,208	37,106
Virginia	159,426	145,823	140,073	153,988	62,908	64,508	88,716	101,968
West Virginia	105,091	111,480	125,882	127,254	25,934	32,367	35,551	36,822
North Carolina	153,410	171,529	172,405	198,020	67,016	77,077	85,277	99,224
South Carolina	76,539	86,954	81,160	90,613	35,749	46,390	59,962	73,573
Georgia	149,738	178,362	161,790	210,810	54,643	66,712	81,832	110,211
Florida	92,048	158,398	191,231	139,181	10,953	40,211	64,871	38,679
East South Central	472,632	633,188	572,374	629,094	209,490	258,021	286,564	294,969
Kentucky	127,458	175,504	152,593	184,141	64,685	75,901	93,738	88,232
Tennessee	160,202	218,008	185,663	213,884	80,967	86,498	106,366	115,647
Alabama	113,607	154,576	151,871	155,238	48,537	69,325	64,765	69,786
Mississippi	71,414	85,053	82,247	70,741	15,251	21,237	21,695	20,705
West South Central	671,409	859,990	852,789	928,660	115,901	189,495	201,552	232,782
Arkansas	56,004	117,121	111,672	117,398	14,345	19,900	12,291	27,487
Louisiana	98,129	134,069	117,220	129,292	26,329	40,851	45,112	44,406
Oklahoma	139,801	170,151	184,744	202,420	12,939	23,560	29,147	30,437
Texas	377,475	438,649	439,258	477,541	62,288	85,095	115,002	130,252
Mountain	259,255	323,545	317,375	342,516	21,053	32,508	27,529	28,774
Montana	39,073	43,155	38,643	38,177	2,421	4,127	3,148	2,853
Idaho	27,971	47,791	33,647	31,159	1,135	1,605	1,405	1,593
Wyoming	16,822	17,640	22,891	18,476	12	13	16	19
Colorado	88,815	111,306	133,021	155,167	12,524	15,674	16,432	17,638
New Mexico	14,304	14,606	12,973	15,307	89	85	64	96
Arizona	22,301	24,789	21,423	23,424	19	22	29	201
Utah	41,662	53,700	48,973	54,067	4,843	6,606	6,421	6,360
Nevada	8,176	10,058	5,804	6,741	10	43	14	16
Pacific	782,911	972,970	972,407	1,040,893	95,413	123,315	149,305	170,115
Washington	141,306	175,591	176,942	180,313	14,598	18,531	20,598	21,712
Oregon	88,552	102,661	100,289	102,959	6,203	7,773	7,959	8,497
California	553,054	695,318	695,176	757,622	74,617	97,011	120,737	139,707

¹ Includes group insurance.

² Totals, except for industrial insurance written, 1924, include small amounts not distributed by States.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 322.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE IN FORCE, BY STATES

NOTE.—See headnote, Table 321

[All figures in millions and tenths of millions of dollars]

Division and State	Ordinary ¹				Industrial			
	1910	1920	1926	1927	1910	1920	1926	1927
Continental United States ²	11,337.0	33,543.0	64,143.9	69,761.4	2,792.0	6,935.8	13,710.6	15,080.6
New England.....	1,028.3	2,651.2	4,855.3	4,754.4	432.4	894.5	1,071.1	1,805.5
Maine.....	85.8	200.5	363.3	378.6	10.5	42.4	80.7	93.8
New Hampshire.....	53.0	119.3	217.2	233.8	14.4	30.0	65.7	72.9
Vermont.....	67.6	109.9	177.8	180.4	7.0	16.5	35.1	37.7
Massachusetts.....	592.7	1,500.0	2,661.5	2,302.7	257.3	522.6	943.0	1,012.4
Rhode Island.....	77.2	221.3	395.5	430.4	52.6	102.3	184.5	200.7
Connecticut.....	100.0	500.3	1,050.0	1,159.5	84.5	180.0	356.0	387.9
Middle Atlantic.....	3,326.0	9,122.4	18,897.9	20,975.2	1,172.6	2,799.1	5,635.4	6,081.0
New York.....	1,865.2	5,193.4	11,063.8	12,347.3	705.1	1,842.6	2,802.8	3,080.2
New Jersey.....	350.9	1,024.9	2,167.2	2,416.3	617.6	934.6	1,081.9	1,081.9
Pennsylvania.....	1,110.0	2,901.1	5,676.9	6,211.6	467.4	938.9	1,748.0	1,909.0
East North Central.....	2,390.7	7,400.9	14,920.1	16,520.7	689.9	1,481.0	2,886.2	3,237.4
Ohio.....	681.3	2,063.2	4,015.4	4,456.3	107.1	516.1	977.2	1,082.9
Indiana.....	322.9	847.9	1,500.2	1,673.7	95.8	232.0	389.0	481.3
Illinois.....	917.0	2,674.7	5,445.3	5,936.3	103.7	499.5	918.5	995.5
Michigan.....	303.9	1,110.2	2,567.2	2,832.2	47.8	150.4	379.5	434.3
Wisconsin.....	165.7	705.0	1,392.0	1,531.2	35.6	203.9	222.1	243.5
West North Central.....	1,405.7	4,410.1	7,070.4	7,581.8	183.0	420.0	513.8	597.2
Minnesota.....	262.3	790.6	1,454.9	1,555.0	16.8	52.1	118.4	128.1
Iowa.....	290.5	922.0	1,373.4	1,443.4	—	46.9	85.4	92.8
Missouri.....	425.5	1,205.6	2,132.7	2,343.4	122.4	254.1	484.2	512.8
North Dakota.....	56.3	220.9	242.1	256.4	—	.1	.2	.2
South Dakota.....	67.7	236.4	259.0	268.7	—	.2	.2	.3
Nebraska.....	149.4	540.9	782.1	827.5	3.8	19.9	38.3	42.0
Kansas.....	145.1	492.8	826.2	887.3	20.0	46.6	87.1	91.0
South Atlantic.....	1,129.6	3,228.9	5,678.7	6,133.2	248.9	627.6	1,275.4	1,400.8
Delaware.....	22.0	104.4	189.9	213.1	17.2	32.1	50.1	54.7
Maryland.....	177.7	454.4	862.5	939.4	97.4	197.4	331.0	353.5
Dist. of Columbia.....	70.5	173.9	339.7	431.5	33.2	34.9	98.4	104.0
Virginia.....	163.7	520.1	835.4	901.5	39.3	101.1	199.7	213.3
West Virginia.....	94.7	298.3	603.4	646.9	15.0	51.6	95.1	100.4
North Carolina.....	143.9	502.9	870.1	902.2	22.2	75.7	164.6	189.6
South Carolina.....	127.3	363.6	453.3	477.0	—	50.6	103.5	125.2
Georgia.....	263.0	625.6	902.7	933.4	24.7	73.5	176.3	203.2
Florida.....	66.9	180.8	371.8	378.2	—	10.8	56.7	56.4
East South Central.....	874.5	1,807.9	2,833.0	3,082.3	100.7	291.1	549.3	599.1
Kentucky.....	223.3	464.0	807.0	891.3	63.3	129.3	219.2	237.2
Tennessee.....	170.6	494.6	915.8	937.6	37.5	94.5	188.1	203.0
Alabama.....	154.8	378.5	632.8	735.4	8.9	47.5	109.7	121.1
Mississippi.....	120.8	270.2	427.4	448.0	—	10.8	32.3	32.8
West South Central.....	479.0	2,115.5	3,798.3	4,081.5	37.3	175.5	398.1	440.3
Arkansas.....	89.8	293.1	493.0	521.4	2.9	18.4	42.0	45.0
Louisiana.....	150.2	339.3	653.9	695.9	29.8	66.3	116.4	122.8
Oklahoma.....	78.7	465.4	763.0	834.2	4.6	27.6	58.3	64.6
Texas.....	3160.2	997.7	1,837.8	2,020.9	(9)	63.2	180.8	207.9
Mountain.....	345.5	1,082.0	1,574.3	1,865.7	5.8	49.8	100.6	168.1
Montana.....	54.1	183.4	225.9	237.4	1.8	7.0	11.5	11.7
Idaho.....	27.6	141.9	164.1	171.4	—	2.1	4.7	5.2
Wyoming.....	17.5	61.0	85.0	85.5	—	.2	.3	.4
Colorado.....	145.3	369.1	594.2	639.0	—	26.0	58.1	64.7
New Mexico.....	10.0	61.5	81.3	86.8	—	.1	.3	.4
Arizona.....	25.4	79.0	130.8	136.1	—	—	.0	.7
Utah.....	45.5	162.2	250.3	268.3	4.0	15.3	24.0	24.8
Nevada.....	11.0	23.3	42.8	41.3	—	.1	.2	.3
Pacific.....	559.7	1,928.1	4,467.6	4,913.2	52.5	198.4	477.8	538.2
Washington.....	125.6	453.9	842.5	914.4	8.8	37.3	74.7	80.4
Oregon.....	79.2	272.1	498.8	531.9	8.6	15.0	30.3	33.2
California.....	354.9	1,203.0	3,116.3	3,467.0	40.0	144.1	372.8	425.6

¹ Includes group insurance.² Totals for 1926 and 1927 include small amounts not distributed by States.³ Industrial included in ordinary.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 323.—LIFE INSURANCE OF FRATERNAL ORDERS IN THE UNITED STATES

NOTE.—Although the number of orders reporting varies considerably, most of the larger orders report regularly, so that the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of orders as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting.

[All figures, except number of orders and certificates, in thousands of dollars]

Calendar year	Number of orders	Assets	Liabilities	Income	
				Total	Net received from members
1901	489	29,427	8,470	81,629	72,243
1905	570	64,492	11,415	95,676	91,855
1910	497	129,427	18,755	123,632	114,339
1915	472	212,832	28,040	133,341	122,295
1917	533	280,738	32,736	155,090	140,417
1918	506	270,059	71,966	155,878	140,872
1919	463	295,581	57,903	180,124	160,021
1920	1,336	326,077	55,562	181,229	165,152
1921	1,233	326,520	63,662	194,798	171,174
1922	1,245	340,086	77,956	197,663	173,239
1923	1,227	490,855	100,837	200,570	128,149
1924	1,223	565,829	110,570	216,226	186,325
1925	1,224	628,262	126,969	222,147	188,870
1926	1,249	659,876	120,193	224,336	181,604
1927	1,235	759,517	107,063	238,431	193,268

Calendar year	Disbursements			Amount of insurance written during year	In force at end of year	
	Total	Paid for claims	To agents and for management		Amount	Number of certificates (thousands)
1901	77,343	64,123	3,850	799,627	5,650,453	4,519
1905	85,154	72,552	11,349	1,020,308	8,150,351	6,119
1910	116,168	92,280	16,897	1,321,553	9,502,512	8,568
1915	123,625	98,720	16,133	922,891	8,694,449	7,696
1917	134,938	97,398	20,712	822,042	9,129,974	7,467
1918	137,191	118,621	17,782	894,170	8,838,570	8,021
1919	172,013	141,350	24,600	1,327,968	9,531,217	10,350
1920	136,807	109,595	26,213	1,177,971	8,879,452	8,439
1921	136,604	107,925	28,079	785,131	9,159,042	8,578
1922	161,689	110,568	34,063	915,555	8,637,939	8,016
1923	151,894	109,545	32,854	795,023	8,758,555	7,514
1924	153,308	116,432	31,789	1,096,813	9,805,048	12,514
1925	160,466	121,241	36,245	1,105,881	9,769,609	8,452
1926	159,264	121,212	34,304	1,033,285	9,834,607	8,540
1927	170,740	130,398	37,163	1,025,822	9,726,662	8,342

¹ See headnote.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 324.—MUTUAL ACCIDENT AND SICK BENEFIT ASSOCIATIONS: FINANCIAL CONDITION AND BUSINESS TRANSACTED

NOTE.—Although many small companies formerly reporting are not covered in recent years, the large companies have reported regularly, and the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of companies as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting.

[All figures, except number of companies and certificates, in thousands of dollars]

Year	Number of companies	Admitted assets	Net surplus	Premiums or assessments	Income (including interest)	Paid for claims	Paid to agents, medical examiners, and for management	Total disbursements	Number of certificates written during year	Number of certificates in force at end of year
1901.....	102	1,617	1,490	2,957	3,201	1,043	1,753	3,348	286,183	310,092
1905.....	165	3,769	3,198	6,134	7,513	3,513	3,330	6,802	667,809	887,804
1910.....	197	5,169	3,665	9,291	10,938	5,169	4,258	10,434	946,340	1,382,415
1915.....	177	7,103	4,483	10,969	12,555	6,955	4,354	11,769	993,654	1,359,368
1916.....	167	8,632	5,776	14,399	16,621	8,845	5,969	15,678	960,436	1,730,035
1917.....	167	9,972	6,798	15,627	18,134	9,115	5,770	16,162	1,137,077	1,878,222
1918.....	161	10,250	6,815	15,235	16,742	9,654	5,661	15,796	751,622	1,688,401
1919.....	123	12,745	8,898	19,295	21,033	10,237	7,605	18,366	797,845	1,837,435
1920.....	167	13,709	9,690	19,538	22,712	10,580	8,771	19,944	713,270	1,853,328
1921.....	162	15,250	11,149	18,929	22,125	10,584	7,621	19,306	607,438	1,778,787
1922.....	182	28,577	21,657	19,429	22,490	11,684	6,532	19,035	611,703	1,739,444
1923.....	127	30,740	17,488	31,462	34,435	17,932	12,711	30,983	682,168	1,679,361
1924.....	107	47,236	34,215	41,758	44,708	23,337	10,767	38,233	731,285	2,168,801
1925.....	167	46,862	31,558	40,807	44,903	22,395	15,010	36,672	807,722	2,170,562
1926.....	173	44,244	26,579	44,901	48,720	26,408	17,978	43,424	644,782	2,036,063
1927.....	173	44,992	28,881	47,570	50,892	27,958	18,766	47,608	841,384	2,250,669

¹ See headnote.

No. 325.—CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE: FINANCIAL CONDITION AND BUSINESS TRANSACTED (STOCK COMPANIES ONLY)

NOTE.—Data cover practically all stock companies doing casualty or surety business in United States.

[All figures, except number of companies, in thousands of dollars]

Year	Number of companies	Capital	Assets	Net surplus over capital and liabilities	Net premiums ¹	Total income	Payments to policyholders ²	Actual expenses of management (including taxes)	Total expenditures
1895.....	53	20,676	42,211	13,044	16,684	19,318	5,916	8,755	15,697
1900.....	57	23,572	65,808	27,059	27,186	30,348	12,755	15,419	27,504
1905.....	84	43,630	152,866	39,070	53,344	63,191	21,647	28,922	54,353
1910.....	154	65,485	309,716	78,176	94,395	111,042	41,465	57,915	100,115
1915.....	181	78,024	603,670	78,035	160,320	174,892	75,444	74,251	159,397
1916.....	186	74,987	642,621	84,178	109,063	220,621	89,370	84,193	183,151
1917.....	189	74,273	692,195	76,786	241,514	257,518	104,986	95,171	203,943
1918.....	179	92,239	852,466	87,990	304,614	330,696	122,745	117,792	255,912
1919.....	174	89,484	926,951	89,651	364,939	392,239	150,176	145,087	313,430
1920.....	³ 189	93,737	1,014,386	92,861	459,170	439,774	196,360	183,514	400,724
1921.....	³ 205	98,874	1,139,586	115,749	467,046	499,742	229,284	205,675	460,522
1922.....	³ 189	119,890	1,304,134	144,265	444,241	498,143	221,690	201,461	464,551
1923.....	³ 240	138,251	1,492,323	156,999	545,689	582,827	277,395	238,747	532,945
1924.....	³ 258	150,009	1,671,188	179,679	613,941	665,395	320,883	251,950	600,668
1925.....	³ 274	159,630	1,934,744	202,630	698,729	752,037	347,440	286,024	660,092
1926.....	³ 289	186,265	2,173,151	225,542	764,367	827,911	387,311	312,096	729,230
1927.....	³ 334	211,366	2,478,647	293,529	834,878	901,494	427,344	341,023	788,805

¹ Total premium receipt⁷ prior to 1910.

² Includes all expenses in connection with payment of claims.

³ Number of companies which show figures for the year.

No. 326.—STOCK CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE COMPANIES: PREMIUMS AND LOSSES, BY CLASSES OF INSURANCE

NOTE.—Data cover about 80 per cent of the business of stock casualty, surety, and miscellaneous insurance companies, excluding a large number of smaller companies and those that do not transact multiple casualty lines

[All money figures in thousands of dollars]

Class	1925			1926			1927		
	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent
Total.....	577,291	289,504	50.1	680,660	321,810	50.6	679,574	358,410	52.7
Accident.....	45,348	20,286	44.7	46,718	21,503	46.0	50,873	23,802	46.7
Automobile (not segregated).....	8,356	3,501	41.9	19,438	14,600	40.7	110,063	15,635	56.0
Automobile collision.....	12,889	7,769	60.3	12,379	8,519	68.8	14,038	9,656	68.8
Automobile fire.....	124	65	52.8	20	5	23.7	132	80	41.6
Automobile fire, theft, etc. ²	103,708	49,099	47.3	122,871	61,314	49.9	129,450	61,881	47.4
Automobile liability.....	116,802	55,664	47.7	123,512	64,098	51.9	144,666	81,792	56.6
Automobile property damage.....	41,677	21,679	51.4	47,784	24,617	51.6	57,697	28,192	48.9
Automobile theft.....	148	85	57.8	22	10	45.6	48	21	45.7
Burglary and theft.....	28,081	13,311	47.4	30,833	12,006	40.9	35,500	12,441	35.0
Check forgery.....	18	3	16.3	23	3	14.4	36	2	5.7
Credit.....	4,112	1,496	36.4	4,926	1,843	37.4	4,600	2,531	55.0
Engine and machinery.....	3,092	821	26.5	3,698	856	23.1	5,254	802	24.7
Fidelity.....	33,957	12,916	38.0	36,641	15,541	42.4	36,783	16,746	45.5
Health.....	15,504	9,191	59.3	16,872	10,950	64.9	17,397	10,917	62.8
Liability.....	47,252	24,173	51.2	68,880	28,944	49.1	53,663	25,068	48.4
Livestock.....	1,324	877	66.2	1,099	818	74.4	868	640	74.4
Noncancelable accident and health.....	4,088	1,297	32.1	4,328	1,628	37.6	4,708	2,093	44.5
Plate glass.....	16,702	5,457	32.7	16,514	6,398	38.8	16,694	5,536	38.3
Property damage and collision.....	1,554	871	56.1	1,770	932	52.7	2,155	847	39.3
Sprinkler.....	916	405	44.2	921	491	52.7	1,091	370	33.9
Steam boiler.....	6,595	940	14.3	6,741	970	14.4	6,811	964	14.1
Surety.....	55,788	10,093	33.6	59,311	17,163	28.9	61,333	26,066	42.4
Workmen's collective.....	214	108	48.1	228	120	60.4	263	133	60.7
Workmen's compensation.....	130,506	89,209	68.4	146,454	98,642	67.3	155,763	102,379	65.7
Other.....	2			8			76	29	38.1

¹ Includes a small amount of automobile accident.

² Includes motor vehicle fire and theft insurance of fire and marine companies in addition to that of casualty companies, but only amounts placed with casualty companies are included in grand total.

Source: The Spectator Co., New York, N. Y.

No. 327.—DIVIDEND AND INTEREST PAYMENTS

NOTE.—All figures in thousands of dollars. Data cover railroad, industrial and traction companies, banks and trust companies, the National Government, and the New York City government

Calendar year	Total dividend and interest payments	Interest payments	Dividend payments			
			Total ¹	Industrial and miscellaneous corporations	Steam railroads	Street railways
1913.....	1,777,237	939,184	838,053	462,320	296,795	58,873
1914.....	1,787,376	995,600	821,776	438,357	294,538	64,417
1915.....	1,865,111	1,072,878	792,283	436,487	283,353	61,790
1916.....	2,135,033	1,208,926	926,107	539,832	313,135	72,241
1917.....	3,389,136	1,310,866	1,078,270	678,594	312,460	77,910
1918.....	2,724,732	1,702,525	1,022,207	645,461	289,025	75,821
1919.....	3,189,184	2,232,243	956,942	579,167	284,454	71,719
1920.....	3,414,876	2,432,784	982,092	601,680	285,985	72,888
1921.....	3,341,809	2,419,345	922,464	542,402	284,020	71,641
1922.....	3,399,710	2,469,070	930,649	524,675	282,100	70,818
1923.....	3,585,217	2,621,966	963,251	541,441	289,120	75,750
1924.....	3,840,590	2,827,901	1,012,689	560,170	301,195	84,090
1925.....	4,083,828	3,014,953	1,068,875	596,060	315,015	93,385
1926.....	4,391,185	3,218,500	1,172,685	664,375	331,115	109,695
1927.....	5,570,548	3,471,398	2,099,150	1,555,475	349,500	124,675
1928.....	5,893,411	3,703,924	2,189,487	1,618,942	364,355	131,605

¹ Includes bank dividends not separately shown.

Source: Survey of Current Business, compiled from New York Journal of Commerce.

No. 328.—CAPITAL ISSUES: CORPORATE, FOREIGN GOVERNMENT, FARM LOAN, AND STATE AND MUNICIPAL

NOTE.—In millions and tenths of millions of dollars. Preferred stocks of no par value and all common stocks are taken at their offering price, other issues at par. Privileged stock subscriptions are included. State and municipal issues include bonds issued by States, counties, and municipalities, and by school and road districts, and other independent governmental bodies

Kind of issue	1921	1922	1923	1924	1925	1926	1927	1928
TOTAL								
All issues.....	4,203.8	5,235.9	4,989.7	5,352.5	7,126.0	7,430.3	9,016.8	9,927.7
Corporate, total.....	2,890.0	3,073.3	3,232.8	3,838.6	4,738.1	5,299.6	7,304.3	7,753.0
Domestic.....	1,781.3	2,191.7	2,240.3	2,319.5	2,667.3	3,050.1	4,465.7	3,168.9
Long-term bonds and notes.....	213.2	133.8	130.6	335.7	308.0	294.5	302.5	204.9
Short-term bonds and notes.....	74.0	332.8	406.7	346.1	330.3	543.6	1,043.3	1,388.8
Preferred stocks.....	200.2	287.7	329.2	519.6	610.1	676.6	675.5	2,045.2
Common stocks.....	106.1	45.7	43.0	112.4	112.3	203.4	265.4	282.1
Canadian.....	15.2	81.7	24.1	205.4	403.7	522.4	546.0	405.5
Other foreign.....	70.3	431.3	242.8	778.0	645.4	514.1	777.1	651.1
Foreign government.....	121.9	336.4	392.5	179.1	188.2	181.3	179.0	63.9
Farm-loan issues.....	1,208.5	1,100.7	1,063.1	1,309.6	1,399.6	1,365.1	1,600.6	1,415.5
State and municipal.....	76.0	201.1	50.2	149.0	146.0	109.8	135.3	38.1
Domestic.....	27.1	43.0	8.2	8.8	8.7	10.4	12.9	6.2
Canadian.....								
U. S. territories and possessions.....								
NEW CAPITAL								
All issues.....	3,576.7	4,304.4	4,304.4	5,593.2	6,220.2	6,344.1	7,773.2	8,050.3
Corporate, total.....	1,823.0	2,335.7	2,702.5	3,322.3	4,100.7	4,567.0	5,376.1	6,014.8
Domestic.....	1,275.5	1,537.1	1,832.0	1,923.8	2,231.3	2,417.7	2,601.5	2,190.6
Long-term bonds and notes.....	160.9	104.4	143.3	276.1	220.7	240.2	220.7	210.5
Short-term bonds and notes.....	71.3	292.8	335.1	318.0	694.3	509.3	867.8	1,215.5
Preferred stocks.....	194.2	277.2	324.1	618.0	553.3	577.3	601.8	1,705.7
Common stocks.....	106.1	43.8	43.0	97.8	94.5	140.9	215.6	133.3
Canadian.....	15.2	80.4	24.1	195.4	401.7	462.2	518.6	550.2
Other foreign.....	329.3	416.3	186.8	570.9	540.8	481.3	737.6	550.6
Foreign government.....	121.9	344.4	337.5	179.1	163.7	91.1	86.8	63.9
Farm-loan issues.....	1,100.4	1,070.9	1,043.1	1,376.0	1,352.1	1,343.5	1,475.0	1,379.9
State and municipal.....	76.0	94.0	26.3	132.4	49.2	60.8	89.3	35.1
Domestic.....	27.1	43.0	8.2	8.8	8.7	10.4	11.4	6.2
Canadian.....								
U. S. territories and possessions.....								
REFUNDING								
All issues.....	627.1	681.5	685.3	759.3	905.9	1,086.1	2,142.8	1,877.4
Corporate, total.....	587.9	737.5	530.3	513.3	837.4	942.6	1,928.2	1,738.3
Domestic.....	505.8	654.6	416.4	395.7	436.0	641.4	1,504.2	990.3
Long-term bonds and notes.....	52.4	29.3	37.2	50.6	37.3	45.3	81.8	54.4
Short-term bonds and notes.....	3.7	40.0	71.6	28.1	42.5	34.3	180.6	243.0
Preferred stocks.....	6.1	10.5	5.2	8.4	51.8	98.8	33.7	282.5
Common stocks.....		1.9		14.5	17.8	62.6	49.8	92.8
Canadian.....		1.2		10.0	2.0	60.2	28.3	55.3
Other foreign.....	60.0	15.0	56.0	207.1	104.6	32.9	39.5	100.5
Foreign government.....	121.9	42.0	55.0		19.5	40.2	92.8	
Farm-loan issues.....	9.2	29.3	20.0	19.3	47.5	21.5	34.6	35.6
State and municipal.....		107.1	23.9	16.6	96.8	49.0	46.0	3.0
Domestic.....							1.5	
Canadian.....								
U. S. territories and possessions.....								
CORPORATE ISSUES, NEW CAPITAL								
Total.....	1,823.0	2,335.7	2,702.5	3,322.3	4,100.7	4,567.0	5,376.1	6,014.8
Railroads.....	352.7	523.8	404.5	779.6	880.3	940.0	505.7	364.1
Public utilities.....	491.9	726.2	533.0	1,325.9	1,496.1	1,604.4	2,076.5	1,892.7
Iron, steel, coal, copper, etc.....	84.8	184.9	291.9	197.9	133.1	193.2	100.5	216.2
Equipment manufac.urers.....	3.2	10.2	13.8	19.0	13.8	37.8	23.8	9.1
Motors and accessories.....	25.7	48.4	60.8	29.5	186.1	131.4	94.7	66.8
Other industrial and manufacturing.....	231.4	230.7	324.3	261.4	501.4	526.9	705.4	890.2
Oil.....	201.5	151.1	194.8	167.1	108.4	262.7	317.3	216.2
Land, buildings, etc.....	53.2	161.9	250.9	335.4	715.5	709.5	630.4	716.3
Rubber.....	80.5	19.8	1.7	2.0	64.8	43.2	12.7	55.9
Shipping.....	2.6	20.5	3.6	13.8	30.1	21.5	26.3	21.2
Miscellaneous.....	144.3	249.4	202.3	192.9	411.2	500.5	882.9	1,577.2

Source: Commercial and Financial Chronicle.

No. 329.—CAPITAL ISSUES OF CORPORATIONS

NOTE.—Data cover domestic and foreign corporate issues in the United States of \$100,000 or over, both new capital and refunding, excluding real estate offerings and prior to November, 1927, privileged stock subscriptions. Preferred stocks of no par value and common stocks are taken at their offering price, other issues at par

[All figures in thousands of dollars]

Year	Total	Railway and traction ¹				Public utility and industrial ¹			
		Total	Bonds	Notes	Stocks	Total	Bonds	Notes	Stocks
1907	1,393,013	957,049	440,588	267,597	248,864	436,804	183,600	68,100	185,104
1908	1,423,199	999,115	604,114	274,105	120,896	424,084	197,850	21,850	204,884
1909	1,681,021	1,015,207	653,856	52,787	309,065	660,413	322,181	42,625	301,607
1910	1,518,272	876,581	547,049	212,951	115,981	641,691	200,846	61,764	289,091
1911	1,739,498	1,099,206	670,815	326,948	101,443	640,282	322,004	67,500	250,698
1912	2,253,587	1,096,062	608,715	346,310	240,027	1,157,636	379,856	120,076	658,106
1913	1,645,736	953,933	414,061	398,361	141,491	691,808	225,190	150,245	310,808
1914	1,436,518	920,097	493,422	421,999	75,230	695,861	214,977	104,847	186,538
1915	1,435,351	780,217	541,551	216,515	22,351	655,185	241,839	110,919	302,378
1916	2,186,500	779,921	350,114	511,181	109,620	1,406,579	535,175	190,507	671,897
1917	1,529,970	520,762	173,902	308,100	38,750	1,009,219	349,395	244,121	415,793
1918	1,344,810	417,305	158,997	256,843	1,465	927,600	190,593	440,040	206,292
1919	3,021,171	432,015	247,250	182,435	2,930	2,588,556	441,895	552,994	1,593,678
1920	3,106,931	415,935	258,505	145,954	11,475	2,690,990	754,943	700,331	1,145,722
1921	2,634,869	747,099	500,932	62,480	34,587	1,886,676	1,164,978	302,066	419,625
1922	3,423,948	700,238	423,115	248,299	28,823	2,723,710	1,580,605	65,567	1,077,449
1923	3,601,438	692,921	285,427	349,739	67,764	2,908,517	1,556,975	178,903	1,174,679
1924	3,219,146	965,421	599,817	326,273	37,331	2,255,726	1,045,365	102,500	604,601
1925	3,642,012	474,229	332,113	142,116		3,167,783	1,702,136	371,197	1,034,480
1926	3,043,640	360,744	207,733	83,862	9,440	3,282,002	2,053,176	426,027	802,799
1927	5,970,297	791,202	685,406	100,102	5,693	5,179,084	3,505,910	589,532	1,083,642
1928	7,191,173	668,489	410,600	29,500	228,389	6,522,684	2,620,570	274,119	3,627,995

Year	All classes of securities issued by—				Year	All classes of securities issued by—			
	Rail-roads	Public utilities ²	Manu-facturing	Miscel-laneous		Rail-roads	Public utilities ²	Manu-facturing	Miscel-laneous
1912	716,629	763,667	458,782	314,510	1921	644,780	743,640	583,708	692,650
1913	816,332	437,126	228,479	163,799	1922	673,713	804,668	660,927	1,318,649
1914	738,575	469,240	105,545	123,158	1923	658,457	1,199,405	596,511	1,047,068
1915	644,704	323,880	309,186	157,491	1924	914,283	1,190,681	643,223	470,555
1916	636,157	603,533	589,420	357,391	1925	432,011	1,533,365	1,009,055	697,581
1917	438,553	341,867	476,784	272,766	1926	360,744	1,667,751	847,629	707,520
1918	237,341	478,494	345,002	283,885	1927	791,202	2,405,298	1,087,272	1,636,515
1919	332,076	549,756	948,376	1,190,964	1928	668,489	2,427,790	2,311,351	1,783,643
1920	328,969	589,953	920,591	1,258,417					

¹ Tractions included with public utility and industrial beginning 1926. ² Including tractions.

No. 330.—BROKERS' LOANS OUTSTANDING EACH MONTH, 1926 TO 1928

NOTE.—In millions of dollars. Figures cover net loans obtained by New York Stock Exchange members on collateral contracted for and carried in New York

End of—	Total			Demand loans			Time loans			
	1926	1927	1928	1926	1927	1928	1926	1927	1928	
January	3,513	3,139	4,420	2,517	2,328	3,393		996	810	1,027
February	3,536	3,256	4,323	2,495	2,475	3,294	1,041	967	781	1,028
March	3,000	3,290	4,640	2,033	2,505	3,580		967	785	1,060
April	2,836	3,341	4,908	1,970	2,541	3,739		866	800	1,169
May	2,767	3,468	5,274	1,987	2,674	4,070		780	784	1,204
June	2,926	3,509	4,898	2,225	2,757	3,742		701	812	1,157
July	2,998	3,642	4,837	2,283	2,765	3,768		715	877	1,070
August	3,142	3,674	5,051	2,364	2,746	4,094		778	928	928
September	3,219	3,915	5,514	2,419	3,018	4,690		800	897	824
October	3,111	3,946	5,880	2,289	3,023	5,116		822	923	796
November	3,129	4,092	6,392	2,330	3,134	5,614		800	958	777
December	3,293	4,433	6,440	2,542	3,481	5,722		751	952	717

Sources: Table 329, New York Journal of Commerce; Table 330, Federal Reserve Board.

No. 331.—NEW YORK STOCK EXCHANGE TRANSACTIONS

Item	1920	1921	1922	1923	1924	1925	1926	1927	1928
Stocks (millions of shares).....	227	173	250	236	282	454	451	577	920
Bonds (millions of dollars):									
Railway and miscellaneous.....	827	1,043	1,905	1,508	2,345	2,332	2,004	2,142	1,907
United States Government.....	2,861	1,057	1,873	796	877	351	202	290	153
State, municipal, and foreign.....	289	324	592	425	582	661	721	337	749

Source: Commercial and Financial Chronicle.

No. 332.—MOVEMENTS OF AVERAGE PRICES OF STOCKS AND BONDS ON THE NEW YORK STOCK EXCHANGE, BY YEARS

Year	Stocks (dollars per share)						Price index, 40 bonds (per cent of par) ²	Bond yields municipal bonds (per cent) ³
	25 industrials			25 railroads				
	High	Low	Average closing ¹	High	Low	Average closing ¹		
1913.....	67.08	50.27	58.19	91.41	75.92	82.97		4.45
1914.....	61.63	48.48	53.03	84.94	68.35	77.57		4.16
1915.....	109.97	51.55	75.35	82.84	64.40	73.10	70.76	4.23
1916.....	110.30	86.60	99.14	85.70	74.83	80.05	80.49	4.06
1917.....	90.74	62.81	85.44	81.22	62.06	69.12	75.63	4.31
1918.....	91.55	71.31	80.98	70.75	50.95	61.24	69.84	4.58
1919.....	138.12	80.37	105.77	68.78	54.48	62.00	69.07	4.60
1920.....	120.83	76.55	107.21	63.55	48.80	55.94	69.70	5.04
1921.....	90.60	66.24	79.33	63.00	47.50	53.21	60.15	5.02
1922.....	116.24	79.86	98.58	70.53	52.57	62.38	74.11	4.21
1923.....	118.41	99.05	107.78	67.05	54.61	60.15	71.72	4.27
1924.....	135.11	103.26	115.03	81.41	57.80	67.18	74.32	4.21
1925.....	135.36	123.83	152.65	95.29	73.59	82.48	77.94	4.13
1926.....	136.03	137.05	165.70	102.60	81.61	93.27	80.36	4.13
1927.....	247.48	171.49	214.54	124.22	99.34	113.51	83.60	3.99
1928.....	332.58	233.42	268.92	132.80	112.84	122.06	84.06	4.05

¹ Average of daily closing prices for these stocks.

² Computed from the yields on the average prices of the selected bonds for each day of the month, the average yield being capitalized at 4 per cent to give the combined index.

³ Average market yield of bonds of 20 large cities at the end of each month since Jan. 31, 1917; previous figures are for the first of the month.

Sources: Stock prices, *The Annalist*; bond price index, Dow, Jones & Co.; bond yields, *the Bond Buyer*.

No. 333.—INDEXES OF VALUE OF SALES OF MAIL-ORDER HOUSES AND CHAIN STORES

NOTE.—1923-1925 average=100. Indexes for mail-order houses cover four companies throughout. The number of chain-store companies reporting varied from year to year, but in computing the indexes adjustment has been made for these variations. No adjustment has been made, however, to eliminate the influence of increase in the number of stores operated by the individual companies which accounts for a considerable part of the increase in the indexes. Sales are much affected by changes in price levels. For price index see Table 334

Year	Mail-order houses	Chain stores						
		Grocery	5-and-10-cent	Wearing apparel	Drug	Cigar	Shoe	Candy
1910.....	93	45	53	36	64	72	76	53
1920.....	96	60	64	52	73	96	91	73
1921.....	67	69	60	59	79	95	86	76
1922.....	73	69	74	64	82	93	86	77
1923.....	92	85	88	83	93	98	93	93
1924.....	98	97	99	98	98	100	101	101
1925.....	110	118	113	119	100	102	106	106
1926.....	115	143	125	149	120	111	113	114
1927.....	120	174	138	189	143	111	115	119
1928.....	137	208	150	225	166	107	125	125

Source: Federal Reserve Board.

No. 334.—INDEXES OF VALUE OF WHOLESALE SALES

NOTE.—1923-1925 average=100, except as to price index, which is the Department of Labor revised index 1926=100, see p. 323. Indexes of sales have been adjusted for variations in number of firms reporting and monthly indexes for seasonal variations. Sales are much affected by changes in price levels

Year and month	Total sales, billions	Groceries	Meats	Dry goods	Men's clothing	Women's clothing	Boots and shoes	Hardware	Drugs	Furniture	General wholesale price index
1919	110	118	145	100	78	93	140	96	91	-----	139
1920	114	126	121	107	106	95	125	116	95	-----	154
1921	87	93	83	91	72	84	99	80	86	73	98
1922	89	93	83	89	80	90	97	86	87	85	97
1923	101	100	94	103	99	100	104	102	97	102	101
1924	95	101	96	97	98	97	98	97	99	93	98
1925	101	99	110	100	103	94	98	101	104	105	104
1926	98	98	115	94	95	70	101	100	107	102	100
1927	95	94	108	89	92	68	104	95	108	100	95
January	94	93	113	83	84	77	112	92	104	98	97
February	95	93	112	87	87	75	110	92	103	98	96
March	96	98	108	90	101	67	97	98	106	101	95
April	93	95	111	80	87	68	94	94	100	96	94
May	95	97	100	87	87	69	110	91	104	98	94
June	95	99	104	88	90	65	90	92	100	102	94
July	95	91	102	88	90	70	134	92	105	102	94
August	100	97	109	102	101	72	111	97	112	109	95
September	96	94	109	91	92	66	104	99	114	103	97
October	91	90	109	86	81	54	91	94	111	99	97
November	95	94	105	89	86	67	105	100	112	100	97
December	93	92	109	87	93	61	101	97	106	89	97
1928	94	95	113	85	91	62	88	93	113	99	86
January	94	93	106	89	99	70	115	92	108	89	96
February	97	98	113	88	99	70	110	93	110	96	96
March	93	97	109	83	94	55	96	91	110	95	86
April	89	93	112	78	77	57	94	80	111	87	97
May	96	99	109	80	95	62	113	94	117	92	99
June	89	94	112	79	76	49	82	92	110	94	93
July	93	91	111	80	79	33	123	91	107	95	93
August	98	100	116	90	90	68	109	94	117	106	99
September	94	92	122	84	89	62	90	92	112	112	100
October	95	95	111	85	99	62	87	97	116	110	98
November	97	94	122	91	95	55	100	99	113	105	97
December	92	89	115	86	101	54	72	93	123	98	97

No. 335.—INDEXES OF VALUES OF SALES BY DEPARTMENT STORES

By FEDERAL RESERVE DISTRICTS AND BY MONTHS

NOTE.—1923-1925 average=100. Index covers about 560 firms in recent years. See note, Table 334

Year	United States	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City	Dallas	San Francisco
1919	78	78	76	70	77	84	94	-----	-----	93	-----	98	63
1920	94	91	91	93	98	93	113	-----	-----	105	-----	117	83
1921	87	89	87	89	86	89	96	82	90	97	-----	97	79
1922	88	92	89	91	87	86	90	85	89	93	-----	90	83
1923	98	98	98	101	100	97	100	98	99	99	-----	96	96
1924	99	100	99	99	99	99	98	98	98	99	95	100	89
1925	103	102	105	100	101	104	102	104	103	102	100	104	105
1926	106	105	109	102	103	107	106	111	105	99	100	109	110
1927	107	106	111	98	105	105	107	112	103	97	95	106	113
1928	108	104	112	95	103	106	107	121	104	87	97	108	116

Month	United States—unadjusted							United States—with seasonal adjustment						
	1922	1923	1924	1925	1926	1927	1928	1922	1923	1924	1925	1926	1927	1928
January	71	80	87	86	89	89	88	85	91	99	98	106	106	105
February	65	72	82	80	81	83	85	83	93	105	103	104	107	105
March	81	99	91	95	102	100	103	85	99	99	103	101	105	105
April	89	94	104	106	103	111	102	88	97	99	102	102	105	104
May	90	102	100	100	107	102	107	87	98	97	101	107	103	104
June	87	101	94	99	101	101	104	85	102	100	100	102	103	105
July	63	71	72	75	78	78	75	87	98	96	100	104	104	103
August	70	79	74	78	83	89	85	87	99	95	101	107	111	106
September	84	89	93	95	101	100	106	90	100	100	102	109	108	120
October	103	117	111	120	124	119	123	91	100	95	110	110	106	105
November	105	113	111	114	121	122	122	92	99	101	104	106	107	107
December	150	161	163	178	184	186	187	93	100	100	106	110	111	117

¹ Monthly average sales in 1925=100.
Source of Tables 334 and 335: Federal Reserve Board.

No. 336.—COMMERCIAL FAILURES: NUMBER AND ASSETS AND LIABILITIES

Calendar year	Number of failures	Aggregate liabilities	Average liability	Calendar year	Total number of concerns in business	Number of failures	Aggregate assets	Aggregate liabilities	Average liability
		1,000 dollars	Dollars				1,000 dollars	1,000 dollars	Dollars
1867	4,932	291,750	59,155	1893	1,193,113	15,242			22,751
1868	4,225	95,749	22,662	1894	1,114,174	13,885			13,458
1869	3,013	64,394	16,456	1895	1,209,232	13,197	21,022		13,124
1860	3,876	79,807	21,710	1896	1,151,570	15,038	56,082	226,066	14,985
1861	6,993	207,210	29,631	1897	1,058,521	13,351	85,014	154,332	11,569
1862	1,652	23,049	13,952	1898	1,105,830	12,196	52,577	130,663	10,722
1863	405	7,899	15,058	1899	1,147,595	9,337	50,221	90,880	9,733
1864	520	8,570	16,498	1900	1,174,800	10,774	78,080	138,496	12,854
1865	530	17,625	33,255	1901	1,219,242	11,002	55,456	113,062	10,279
1866	1,505	53,783	35,738	1902	1,263,172	11,615	58,730	117,477	10,137
1867	2,780	96,666	34,772	1903	1,281,481	12,069	90,014	155,444	12,870
1868	2,608	63,694	24,423	1904	1,320,172	13,190	84,438	144,202	11,320
1869	2,709	75,054	26,815	1905	1,357,455	11,520	57,826	102,676	8,913
1870	3,546	88,242	24,885	1906	1,392,049	10,682	66,610	119,202	11,159
1871	2,915	85,252	29,246	1907	1,418,075	11,725	138,536	197,385	16,834
1872	4,069	121,056	29,751	1908	1,447,554	15,690	140,109	222,316	14,169
1873	5,183	228,490	44,086	1909	1,486,389	12,924	102,773	154,693	11,663
1874	5,830	155,239	26,623	1910	1,515,143	12,652	130,638	201,757	15,947
1875	7,740	201,060	25,977	1911	1,525,024	13,411	124,517	191,062	14,215
1876	9,092	191,118	21,020	1912	1,564,219	15,482	126,287	203,117	13,145
1877	8,872	190,870	21,491	1913	1,616,570	10,937	174,688	272,672	17,003
1878	10,478	234,363	22,369	1914	1,655,406	18,220	265,293	357,609	19,579
1879	1,658	98,140	14,741	1915	1,674,788	22,156	183,454	302,232	13,644
1880	4,735	95,352	13,856	1916	1,707,639	16,908	113,699	196,216	11,547
1881	5,582	81,166	14,590	1917	1,733,225	13,855	103,465	182,441	13,168
1882	6,738	101,548	15,070	1918	1,708,061	9,682	101,636	163,020	16,331
1883	9,184	172,874	18,323	1919	1,710,909	6,451	67,038	113,291	17,561
1884	10,968	225,348	20,623	1920	1,821,409	8,881	195,504	295,122	33,290
1885	10,637	134,220	11,678	1921	1,927,304	19,652	409,038	627,402	31,926
1886	6,834	114,644	17,651	1922	1,983,106	23,676	413,358	623,596	26,351
1887	3,634	167,561	17,391	1923	1,990,004	18,718	383,382	539,387	28,810
1888	10,679	123,830	12,559	1924	2,047,302	20,615	337,945	643,225	26,351
1889	10,682	143,784	13,692	1925	2,113,312	21,214	248,067	448,744	20,115
1890	10,807	189,857	17,406	1926	2,158,457	21,778	292,345	469,232	18,790
1901	12,273	139,899	15,471	1927	2,171,688	23,146	250,740	520,104	22,471
1902	10,344	114,044	11,025	1928	2,190,049	23,842	255,478	459,560	20,633

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Number of failures:												
1918	1,178	980	1,142	905	880	804	786	720	674	660	570	683
1919	673	602	629	543	531	485	452	463	473	443	561	581
1920	569	492	566	604	547	674	681	673	677	923	1,050	1,125
1921	1,895	1,631	1,336	1,487	1,356	1,320	1,444	1,662	1,466	1,713	1,983	2,444
1922	2,723	2,331	2,463	2,167	1,960	1,740	1,753	1,714	1,566	1,708	1,737	1,814
1923	2,120	1,508	1,682	1,520	1,530	1,358	1,231	1,319	1,228	1,673	1,704	1,841
1924	2,108	1,730	1,817	1,707	1,816	1,607	1,615	1,520	1,306	1,699	1,653	2,040
1925	2,317	1,791	1,859	1,939	1,767	1,745	1,685	1,513	1,465	1,581	1,672	1,878
1926	2,296	1,801	1,984	1,957	1,730	1,709	1,605	1,593	1,437	1,733	1,836	2,069
1927	2,465	2,035	2,143	1,968	1,852	1,833	1,765	1,708	1,673	1,737	1,864	2,162
1928	2,643	2,176	2,236	1,818	2,008	1,947	1,723	1,852	1,635	2,023	1,838	1,943
Liabilities (1,000 dollars):												
1918	10,279	12,820	17,672	14,272	13,135	10,607	9,790	7,955	17,407	13,980	13,815	12,240
1919	10,736	11,499	13,595	11,450	11,957	9,483	5,507	5,932	8,791	6,875	9,177	8,300
1920	7,240	9,763	12,699	12,224	10,826	82,991	21,996	28,373	29,554	38,915	30,758	58,872
1921	52,137	60,852	67,409	38,568	57,066	34,639	42,774	42,004	37,021	53,059	53,470	57,502
1922	73,796	72,608	71,408	73,050	44,403	36,242	40,010	40,280	36,908	34,647	40,265	58,069
1923	49,210	40,628	48,393	51,492	41,022	28,678	35,721	34,335	28,699	79,302	50,292	51,615
1924	51,273	35,942	97,651	43,004	36,591	34,099	36,813	55,154	34,296	36,099	31,124	45,270
1925	54,354	40,123	34,005	37,189	37,027	36,701	34,505	37,159	50,687	29,544	35,922	36,528
1926	43,651	34,176	30,623	38,487	39,543	29,408	29,680	28,130	29,990	33,231	32,604	45,620
1927	21,290	46,941	57,891	63,156	37,785	34,455	43,160	30,196	32,736	36,296	30,147	51,062
1928	47,634	45,071	54,814	37,085	36,117	29,827	29,587	58,202	33,957	34,900	40,501	40,774

Source: Dun's Review, New York, N. Y.

No. 337.—COMMERCIAL FAILURES: BY STATES

[Assets and liabilities in thousands of dollars]

Division and State	Number of concerns in business		Number of failures		Per cent of failures		Assets		Liabilities	
	1927	1928	1927	1928	1927	1928	1927	1928	1927	1928
United States.....	2, 171, 088	12, 190, 049	23, 146	23, 842	1. 07	1. 08	256, 740	255, 478	520, 104	459, 660
New England.....	108, 049	108, 179	2, 465	2, 556	1. 48	1. 54	20, 974	10, 741	65, 075	48, 621
Maine.....	18, 174	17, 827	197	210	1. 03	1. 13	739	1, 133	1, 905	2, 635
New Hampshire.....	10, 705	10, 945	96	83	. 90	. 76	391	660	900	1, 299
Vermont.....	7, 719	7, 650	50	60	. 65	. 78	171	365	362	524
Massachusetts.....	87, 780	86, 882	1, 884	1, 454	1. 58	1. 67	12, 201	8, 998	37, 779	38, 235
Rhode Island.....	12, 139	12, 470	211	219	1. 74	1. 76	678	672	1, 885	1, 080
Connecticut.....	22, 676	30, 396	627	629	1. 78	1. 74	6, 894	4, 000	12, 153	6, 509
Middle Atlantic.....	556, 045	556, 849	5, 167	6, 549	. 93	1. 12	75, 563	71, 099	156, 590	157, 105
New York.....	282, 008	288, 309	3, 248	3, 832	1. 15	1. 33	49, 057	41, 065	97, 933	95, 194
New Jersey.....	82, 578	84, 658	777	1, 024	. 94	1. 21	11, 747	14, 668	23, 351	20, 150
Pennsylvania.....	191, 459	192, 882	1, 142	1, 493	. 60	. 77	14, 758	15, 405	35, 246	32, 761
East North Central.....	468, 435	465, 058	4, 550	4, 606	. 98	. 99	54, 497	71, 444	100, 545	111, 124
Ohio.....	120, 635	121, 261	1, 251	1, 274	1. 04	1. 05	22, 021	24, 044	34, 457	34, 832
Indiana.....	62, 978	61, 274	610	530	. 97	. 86	7, 746	8, 030	16, 164	14, 481
Illinois.....	140, 635	143, 379	1, 356	1, 497	. 96	1. 04	14, 274	19, 369	31, 105	35, 739
Michigan.....	80, 010	80, 369	795	732	. 99	. 91	5, 635	13, 627	10, 373	17, 451
Wisconsin.....	59, 177	58, 770	638	573	. 91	. 97	4, 820	6, 875	8, 447	8, 621
West North Central.....	244, 111	252, 145	2, 379	2, 100	. 97	. 83	23, 655	16, 248	43, 690	32, 404
Minnesota.....	45, 859	45, 558	760	638	1. 66	1. 40	3, 885	2, 432	8, 855	5, 489
Iowa.....	44, 245	45, 184	308	283	. 70	. 63	2, 025	2, 441	4, 318	3, 839
Missouri.....	74, 417	72, 077	718	678	. 96	. 94	14, 178	7, 611	22, 993	16, 046
North Dakota.....	11, 069	12, 193	69	41	. 62	. 34	655	342	1, 261	566
South Dakota.....	12, 091	12, 901	76	43	. 63	. 35	695	273	1, 177	459
Nebraska.....	20, 667	27, 991	248	220	1. 20	. 79	1, 428	846	2, 632	1, 684
Kansas.....	35, 763	36, 841	200	197	. 66	. 53	1, 388	2, 303	2, 455	3, 427
South Atlantic.....	220, 085	217, 868	2, 545	2, 353	1. 18	1. 08	36, 628	38, 772	67, 837	67, 023
Delaware.....	5, 080	5, 315	20	35	. 52	. 66	328	326	2, 801	478
Maryland.....	32, 485	36, 248	354	372	1. 18	1. 03	7, 799	4, 016	13, 454	6, 137
Dist. of Columbia.....	0, 492	0, 885	128	126	1. 95	1. 27	2, 108	3, 033	3, 786	5, 171
Virginia.....	32, 481	32, 262	338	260	1. 04	. 81	2, 008	2, 097	5, 079	4, 270
West Virginia.....	25, 887	25, 878	303	337	1. 17	1. 30	5, 805	5, 105	8, 106	8, 204
North Carolina.....	34, 578	34, 647	325	310	. 94	. 89	6, 133	5, 547	9, 905	7, 083
South Carolina.....	16, 048	16, 099	157	126	. 98	. 78	1, 517	2, 747	3, 174	3, 395
Georgia.....	29, 673	30, 473	308	342	1. 04	1. 12	3, 885	3, 468	6, 811	5, 684
Florida.....	34, 416	27, 061	576	445	1. 67	1. 64	7, 047	10, 434	14, 721	10, 695
East South Central.....	114, 651	115, 908	1, 010	904	. 88	. 83	10, 641	9, 544	18, 947	13, 986
Kentucky.....	36, 851	37, 555	220	250	. 60	. 67	2, 042	2, 303	4, 972	3, 959
Tennessee.....	31, 445	31, 525	317	335	1. 01	1. 06	5, 533	3, 798	7, 723	6, 450
Alabama.....	26, 157	26, 506	286	248	1. 09	. 94	1, 806	2, 176	3, 925	2, 811
Mississippi.....	20, 198	20, 322	187	131	. 93	. 64	1, 201	767	2, 327	1, 776
West South Central.....	169, 591	173, 373	1, 477	1, 310	. 87	. 76	11, 513	14, 632	24, 869	24, 798
Arkansas.....	24, 534	24, 423	297	329	1. 21	1. 35	2, 780	6, 595	5, 476	7, 604
Louisiana.....	25, 972	26, 484	128	101	. 49	. 38	1, 118	328	2, 539	2, 071
Oklahoma.....	37, 750	39, 496	393	343	1. 04	. 87	2, 503	2, 669	4, 484	3, 732
Texas.....	81, 335	82, 970	659	537	. 81	. 65	6, 107	4, 546	12, 361	11, 120
Mountain.....	58, 152	60, 087	617	584	1. 06	. 97	5, 417	3, 606	7, 803	6, 855
Montana.....	9, 397	9, 594	125	102	1. 33	1. 06	534	427	974	609
Idaho.....	7, 269	7, 207	70	72	1. 05	. 99	599	345	596	1, 149
Wyoming.....	4, 023	4, 352	49	53	1. 21	. 76	219	356	403	477
Colorado.....	18, 283	19, 481	162	205	. 84	1. 06	2, 334	1, 864	3, 202	2, 472
New Mexico.....	4, 708	5, 314	27	32	. 57	. 60	650	167	1, 095	359
Arizona.....	4, 042	5, 284	25	17	. 61	. 32	250	156	377	361
Utah.....	6, 850	6, 094	137	103	2. 00	1. 47	794	687	1, 168	915
Nevada.....	1, 680	1, 781	16	20	. 95	1. 12	36	104	87	212
Pacific.....	171, 670	170, 678	2, 938	3, 021	1. 71	1. 77	17, 858	15, 494	44, 689	37, 737
Washington.....	34, 170	34, 580	605	584	1. 77	1. 60	3, 735	3, 614	10, 089	7, 541
Oregon.....	21, 619	22, 537	540	484	2. 50	2. 15	3, 504	3, 477	8, 123	7, 862
California.....	115, 881	113, 759	1, 791	1, 953	1. 65	1. 72	10, 610	8, 408	20, 477	22, 334

¹ Total includes net changes reported by supplemental telegraphic reports, amounting to 7,895 in 1927 and 11,731 in 1928, not distributed by States.

Source: Dun's Review, New York, N. Y.

No. 338.—FAILURES IN MANUFACTURING, TRADING, AND OTHER COMMERCIAL BUSINESS, AND BANK FAILURES: BY STATES, 1928

[Liabilities in thousands of dollars]

Division and State	Manufacturing		Trading		Agents, brokers, etc.		Bank failures	
	Number	Liabilities	Number	Liabilities	Number	Liabilities	Number	Liabilities
United States.....	5,924	182,478	16,477	225,301	1,441	81,780	372	129,650
New England.....	951	29,784	1,401	17,088	203	7,649	2	1,125
Maine.....	53	601	136	1,411	21	684		
New Hampshire.....	23	342	57	931	3	26		
Vermont.....	20	295	34	479	6	30		
Massachusetts.....	629	17,391	987	9,533	138	6,312	1	200
Rhode Island.....	61	811	148	1,071	10	98	1	925
Connecticut.....	165	4,344	339	8,664	25	501		
Middle Atlantic.....	1,805	66,846	4,171	67,916	373	22,643	4	2,165
New York.....	1,124	38,420	2,477	39,366	231	17,408	4	2,165
New Jersey.....	337	16,161	596	10,325	91	8,664		
Pennsylvania.....	344	12,965	1,098	18,225	51	1,671		
East North Central.....	1,125	89,949	3,211	48,524	270	24,651	56	12,214
Ohio.....	319	16,162	888	15,214	67	3,457	6	3,820
Indiana.....	112	6,552	390	6,032	28	1,896	19	5,982
Illinois.....	346	11,215	1,071	15,099	80	9,425	9	1,512
Michigan.....	155	2,645	526	6,125	51	8,682		
Wisconsin.....	193	3,378	336	4,654	44	1,192	1	900
West North Central.....	363	8,229	1,616	15,774	121	8,400	200	47,609
Minnesota.....	153	1,438	433	3,662	52	384	32	5,009
Iowa.....	39	1,097	239	2,513	5	230	35	11,502
Missouri.....	122	4,965	525	6,210	31	6,771	32	5,861
North Dakota.....	3	69	37	494	1	4	50	5,872
South Dakota.....	2	4	39	434	2	21	4	1,520
Nebraska.....	25	156	174	1,318	21	210	47	13,846
Kansas.....	10	501	169	2,145	9	782	20	3,999
South Atlantic.....	338	19,727	1,897	30,440	118	7,856	76	43,069
Delaware.....			34	469	1	4	1	250
Maryland.....	79	2,363	267	3,253	26	556		
District of Columbia.....	27	754	81	743	18	3,640		
Virginia.....	47	2,098	202	1,947	11	125	2	237
West Virginia.....	51	3,094	277	4,507	9	663	2	676
North Carolina.....	30	2,523	270	4,352	10	128	5	2,198
South Carolina.....	9	1,236	114	2,115	3	44	18	4,350
Georgia.....	41	1,058	289	3,853	12	773	17	14,134
Florida.....	54	5,602	303	9,172	28	1,922	31	21,194
East South Central.....	146	4,117	790	9,386	28	493	9	7,233
Kentucky.....	53	1,898	193	1,940	4	120	4	1,433
Tennessee.....	50	1,139	274	4,154	11	157	2	4,461
Alabama.....	33	961	200	1,895	10	45		
Mississippi.....	5	118	123	1,487	3	171	3	1,339
West South Central.....	118	5,108	1,154	18,466	38	1,321	80	8,591
Arkansas.....	46	3,016	273	4,553	10	296	16	4,468
Louisiana.....	10	167	89	1,899	2	6	1	175
Oklahoma.....	20	299	309	3,363	14	79	6	815
Texas.....	42	1,627	483	8,661	12	840	8	4,044
Mountain.....	83	2,044	471	4,357	30	453	9	3,020
Montana.....	16	185	79	718	7	6	1	45
Idaho.....	10	738	62	411			2	445
Wyoming.....	4	110	24	150	5	218	1	299
Colorado.....	27	600	169	1,723	9	150	2	383
New Mexico.....	3	17	26	337	3	6		
Arizona.....	1	118	15	214	1	29		
Utah.....	20	254	81	649	2	11	3	1,450
Nevada.....	2	22	15	155	3	35		
Pacific.....	995	13,973	1,766	15,350	280	8,413	7	3,768
Washington.....	169	3,598	372	3,221	43	721	3	1,000
Oregon.....	180	3,113	257	2,140	47	2,609	3	2,318
California.....	646	7,262	1,137	9,990	170	5,083	1	450

Source: Dun's Review, New York, N. Y.

No. 339.—FAILURES, BY BRANCHES OF BUSINESS

NOTE.—Machinery, vehicles, etc., includes shipbuilding; lumber includes furniture; clothing includes furnishings; glass, etc., includes pottery, lime, cement, and stone. In the trading group, groceries include creameries; hotels include lodging houses and caterers; dry goods includes department stores; furniture includes glass and glassware. Agents, brokers, etc., include real estate, insurance, storage, express, harbor lines, etc.

	Number				Aggregate liabilities (in thousands of dollars)				Average liability, 1925 (dollars)
	1925	1926	1927	1928	1925	1926	1927	1928	
Total commercial	21,214	21,773	23,148	23,842	448,744	409,292	520,104	489,560	20,593
Total manufacturing	5,080	5,895	5,652	5,924	187,685	153,042	211,505	182,473	30,808
Iron, foundries, and mills	57	80	120	119	2,200	5,896	18,123	5,488	48,554
Machinery, vehicles, etc.	412	312	254	325	18,310	10,049	12,953	11,567	85,560
Woolens, carpets, and knit goods	70	48	36	28	4,866	3,193	1,537	3,201	117,538
Cottons, lace, and hosiery	10	21	20	15	784	5,145	4,816	1,847	123,131
Lumber, carpenters and coopers	466	644	850	960	20,834	21,218	43,086	50,782	52,407
Clothing and millinery	624	585	494	567	10,772	11,440	12,551	10,337	18,550
Hats, gloves, and furs	85	121	153	193	1,964	2,278	2,491	3,201	10,586
Chemicals and drugs	78	61	64	85	3,411	1,429	3,712	3,655	42,998
Paints and oils	23	17	11	13	309	537	262	273	20,967
Printing and engraving	198	230	264	172	3,010	3,490	7,613	3,605	20,957
Milling and bakers	518	500	461	494	4,529	5,031	6,012	7,000	14,188
Leather, shoes, and harness	163	133	140	155	5,021	4,029	7,870	6,543	42,211
Tobacco, etc.	89	80	104	75	4,336	3,912	4,288	980	13,063
Glass, earthenware, and brick	65	65	91	94	4,840	2,119	8,400	2,025	27,921
All other	2,232	2,489	2,620	2,630	81,582	68,375	77,800	71,682	27,217
Total trading	15,161	15,268	16,082	16,477	215,360	201,334	223,194	225,301	13,674
General stores	1,305	1,217	1,214	1,042	20,008	17,396	18,740	13,383	12,848
Groceries, meat, and fish	3,355	3,633	3,543	3,785	29,757	29,637	29,367	30,594	8,059
Hotels and restaurants	1,072	928	1,046	1,105	12,494	13,869	15,242	24,362	22,407
Tobacco, etc.	328	277	232	203	2,884	2,473	1,704	1,877	7,137
Clothing and furnishings	2,118	2,058	2,157	2,324	33,151	24,708	28,524	27,302	12,002
Dry goods and carpets	1,035	1,021	1,187	1,121	21,610	19,405	23,000	17,770	15,852
Shoes, rubbers, and trunks	732	597	729	681	8,221	6,453	8,683	7,064	10,372
Furniture and crockery	631	606	686	607	10,744	11,774	11,593	12,202	18,295
Hardware, stoves, and tools	413	430	465	507	8,438	7,251	7,559	8,337	16,444
Chemicals and drugs	495	632	714	729	5,078	6,335	7,008	7,088	9,723
Paints and oils	72	83	85	84	928	958	932	791	9,417
Jewelry and clocks	445	400	420	473	8,357	7,168	7,592	8,158	17,248
Books and papers	112	121	142	144	1,418	2,432	2,661	1,651	11,462
Hats, furs, and gloves	114	91	92	148	1,711	1,031	1,592	2,167	14,639
All other	2,334	3,168	3,370	3,404	50,565	50,444	61,367	62,051	18,229
Agents, brokers, etc.	963	1,110	1,382	1,441	60,691	49,856	90,406	81,780	58,752
Bank failures	464	608	894	872	164,899	212,075	143,449	129,650	848,620

Year	Number of failures					Liabilities (in thousands of dollars)				
	Commercial				Banks	Commercial				Banks
	Total	Manu- factur- ing	Trad- ing	Agents, brok- ers, etc.		Total	Manu- factur- ing	Trading	Agents, brok- ers, etc.	
1911	13,441	3,502	9,480	459	107	191,062	87,372	84,240	19,450	25,512
1912	15,452	3,839	11,011	602	79	203,117	86,720	91,760	24,618	24,220
1913	16,087	4,243	11,145	649	120	272,672	123,123	116,115	34,435	31,546
1914	18,280	4,620	12,351	809	212	367,909	135,636	169,865	56,408	56,005
1915	22,156	5,116	16,030	1,010	133	302,285	112,026	150,234	40,026	37,223
1916	16,993	4,199	11,923	874	50	196,212	73,000	91,374	31,839	10,397
1917	18,855	3,691	9,430	734	42	182,441	70,544	70,117	32,781	18,462
1918	9,922	2,766	6,494	722	29	103,020	73,382	57,911	31,727	5,132
1919	6,451	1,865	4,013	573	50	113,291	51,614	37,070	24,007	16,521
1920	8,381	2,635	5,532	714	119	295,122	127,992	88,558	78,571	50,701
1921	19,652	4,495	13,900	1,158	404	627,492	232,907	254,794	139,700	173,028
1922	23,670	5,682	16,923	1,071	277	623,896	214,625	271,383	137,583	77,731
1923	18,718	4,963	13,064	680	578	539,387	231,316	209,930	48,140	203,731
1924	20,615	5,203	14,393	1,014	613	543,225	286,770	203,190	53,265	202,02

Source: Dun's Review, New York, N. Y.

14. PRICES

GENERAL NOTE.—The wholesale price index of the Department of Labor is based on primary market quotations of 550 commodities. In weighting the prices included in the index, the biennial census reports of 1923 and 1925 have been used for most manufactured products and for other products the average for the years 1923 to 1925 where trustworthy information was available as in the case of agricultural products.

The retail food index is based on the weighted average quotations (weighted by average family consumption in 1918) as of the 15th of the month, secured from retail stores in 51 cities since 1920 and from a smaller number in earlier years, for 22 commodities to 1920 and for 43 commodities in 1921 and subsequent years.

The farm price index is constructed by weighting prices paid to producers for 30 products. A average quotations for the period, August, 1909–July, 1914, are used as a base, and each price series is weighted by the average annual marketings of farmers in the years 1918 to 1923.

No. 340.—WHOLESALE, RETAIL, AND FARM PRICES: INDEX NUMBERS

Year	Yearly average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1926 average=100													
Wholesale prices:													
1916	85.5	77.0	78.5	80.4	81.7	82.5	82.9	83.4	85.1	86.9	91.1	97.4	99.2
1917	117.5	102.1	104.5	107.7	114.1	120.7	123.0	123.0	124.3	123.5	122.2	122.8	122.9
1918	131.3	125.0	122.7	125.4	128.3	128.1	129.0	132.0	134.3	137.5	130.3	136.3	136.3
1919	133.6	134.4	129.3	131.3	133.0	135.3	135.0	141.1	144.3	141.1	141.6	144.5	150.5
1920	154.4	157.7	157.1	153.6	155.5	157.2	156.5	163.8	167.4	155.2	144.2	133.4	129.7
1921	97.6	114.0	104.9	102.4	98.9	96.2	93.4	93.4	95.6	93.4	94.1	94.2	92.9
1922	96.7	91.4	92.9	92.3	93.2	96.1	96.3	99.4	98.6	98.3	96.6	100.5	100.7
1923	100.6	102.0	103.3	104.5	103.9	101.9	100.3	95.4	97.3	97.7	99.4	98.4	98.1
1924	93.1	90.6	90.7	90.5	97.3	95.9	94.6	93.6	97.1	97.1	98.2	98.1	98.1
1925	103.5	102.9	104.0	104.2	101.9	101.6	103.0	104.3	103.9	103.4	103.5	104.5	103.4
1926	100.0	103.6	102.1	100.4	100.1	100.5	100.5	99.5	99.0	99.7	99.3	104.5	97.9
1927	95.4	96.6	95.9	94.5	93.7	93.7	93.8	94.1	95.2	96.5	97.0	96.7	96.8
1928	97.7	96.3	93.4	96.0	97.4	98.6	97.6	98.3	98.9	100.1	97.8	96.7	96.7
1913 average=100													
Retail food prices:													
1916	113.7	107	100	107	109	109	112	111	113	118	121	126	126
1917	146.4	128	133	133	145	151	152	146	149	153	157	155	157
1918	168.3	160	161	154	154	163	162	168	171	178	181	183	187
1919	185.9	185	172	175	182	185	184	190	192	188	189	192	197
1920	203.4	201	200	200	211	215	219	219	207	204	198	193	178
1921	153.3	172	158	156	152	145	144	148	155	153	152	152	150
1922	141.6	142	142	139	139	139	141	142	139	140	143	146	147
1923	146.2	144.4	142.3	141.9	143.1	143.4	144.3	147.2	146.4	149.3	149.8	151.1	150.8
1924	145.9	149.1	147.3	143.7	141.3	141.0	142.4	143.3	144.2	146.8	148.7	150.1	151.6
1925	157.4	154.3	151.4	151.1	150.8	151.6	155.0	159.9	160.4	159.0	161.6	167.1	165.5
1926	160.6	154.3	151.5	159.9	162.4	161.1	159.7	157.0	155.7	158.5	160.0	161.9	161.3
1927	155.4	159.3	156.0	153.3	153.6	153.4	153.5	153.4	152.4	154.0	156.1	156.5	156.9
1928	154.3	155.1	151.6	151.4	152.1	153.8	152.6	152.8	164.2	157.8	156.3	157.3	155.8
August, 1909–July, 1914=100													
Farm prices:													
1916	117	104	106	108	110	111	112	113	117	123	128	137	139
1917	170	140	143	159	176	188	188	185	183	184	187	187	191
1918	200	194	197	199	200	198	196	197	203	207	204	200	201
1919	209	200	194	197	207	215	216	222	222	208	206	200	212
1920	205	219	221	222	230	235	234	224	209	194	178	158	140
1921	116	135	123	123	115	112	110	111	116	118	120	116	115
1922	124	114	118	123	123	127	128	126	120	119	123	126	131
1923	135	134	136	136	137	135	133	130	128	132	134	136	137
1924	134	137	136	131	130	129	130	132	139	132	133	137	139
1925	147	146	146	151	147	146	148	149	152	144	143	144	143
1926	136	143	143	140	140	140	139	136	133	134	130	130	127
1927	131	126	127	126	125	120	130	130	132	140	139	137	137
1928	130	137	135	137	140	148	145	145	139	141	137	134	134

Sources: Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

NO. 341.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

NOTE.—For explanation of these indexes see general note, page 323. For indexes for all commodities for prior years see Table 342

(1926=100, except as noted)

Period	All commodities	Farm products	Foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House furnishing goods	Miscellaneous
1890.....	56.2	50.4	55.5	47.5	57.8	38.1	105.3	46.5	73.2	49.9	97.9
1891.....	55.8	54.2	54.8	47.0	54.0	37.0	92.2	44.2	74.0	50.4	94.3
1892.....	62.2	49.5	51.0	47.2	55.2	34.3	84.0	41.7	74.6	48.1	86.6
1893.....	63.4	51.3	54.7	45.1	54.1	35.3	76.8	41.6	72.7	48.1	89.0
1894.....	47.9	44.0	48.2	43.0	46.1	34.3	65.7	39.8	65.5	45.3	86.4
1895.....	48.8	43.9	47.3	40.4	44.3	40.3	70.4	38.8	64.7	43.5	88.9
1896.....	46.5	30.6	44.1	45.2	43.1	39.5	71.2	38.9	65.0	43.4	90.2
1897.....	46.0	42.5	45.5	45.9	42.9	33.9	65.0	37.4	70.9	42.5	92.5
1898.....	48.5	44.9	47.8	48.3	44.9	34.5	65.3	39.6	77.4	44.0	93.4
1899.....	52.2	45.8	47.7	40.4	47.7	41.2	100.0	43.6	81.1	45.0	97.4
1900.....	56.1	50.5	50.8	49.4	53.3	46.3	93.0	46.2	82.1	48.9	102.0
1901.....	55.3	52.8	50.5	48.9	48.1	44.6	93.1	44.3	84.2	48.9	93.4
1902.....	58.9	58.4	53.3	50.8	49.4	51.8	91.0	45.3	86.5	49.2	88.1
1903.....	59.6	55.6	52.0	49.0	52.8	50.3	90.2	46.7	84.1	50.9	98.9
1904.....	59.7	58.5	54.0	49.7	52.9	53.3	79.9	45.0	84.1	50.3	109.5
1905.....	60.1	56.4	55.1	53.0	54.1	49.6	89.1	48.1	82.3	49.7	117.4
1906.....	61.8	67.3	53.4	57.7	58.7	52.0	102.4	54.0	76.8	51.3	115.3
1907.....	65.2	62.2	57.0	58.0	63.5	54.4	109.8	56.8	78.5	55.0	108.2
1908.....	62.9	62.2	58.7	55.6	54.8	53.7	86.3	52.0	70.6	51.6	97.8
1909.....	67.6	69.6	62.6	61.5	66.5	51.6	84.5	53.7	79.9	51.7	129.6
1910.....	70.4	74.3	64.9	60.2	58.4	47.6	85.2	55.3	82.0	54.0	152.7
1911.....	64.9	66.8	62.0	58.8	55.5	46.7	80.8	55.3	81.6	52.7	108.6
1912.....	69.1	72.0	66.8	64.5	55.7	51.4	89.5	55.9	80.7	53.0	106.4
1913.....	69.8	71.5	64.2	68.1	57.3	61.3	90.8	56.7	80.2	56.3	93.1
1914.....	68.1	71.2	64.7	70.9	54.0	56.6	80.2	52.7	81.4	56.8	89.9
1915.....	69.5	71.5	65.4	75.5	54.1	51.8	86.3	53.5	112.0	56.0	86.9
1916.....	85.5	84.4	75.7	93.4	70.4	74.3	116.5	67.6	160.7	61.4	100.6
1917.....	117.5	129.0	104.5	123.8	98.7	105.4	150.6	88.2	165.0	74.2	122.1
1918.....	131.3	148.0	119.1	125.7	137.2	109.2	136.5	93.6	182.3	93.3	134.4
1919.....	138.6	167.6	129.5	174.1	135.3	104.3	130.9	115.6	167.0	106.9	139.1
1920.....	154.4	159.7	137.4	171.3	104.8	163.7	149.4	150.1	164.7	141.8	167.5
1921.....	97.6	88.4	90.6	100.2	94.5	90.8	117.5	97.4	115.0	113.0	109.2
1922.....	96.7	93.8	87.6	104.6	100.2	107.3	102.9	97.3	100.3	103.5	92.8
1923.....	100.0	98.6	92.7	104.2	111.3	97.3	109.3	108.7	101.1	108.0	99.7
1924.....	98.1	100.0	91.0	101.5	106.7	92.0	106.3	102.3	98.9	104.9	93.6
1925.....	103.5	100.8	100.2	105.3	108.3	96.5	103.2	101.7	101.8	103.1	109.0
1926.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1927.....	95.4	90.4	96.5	107.9	95.7	86.5	98.2	93.3	96.6	98.2	89.9
1928.....	97.7	105.9	101.0	121.7	90.3	82.8	90.8	93.7	95.5	97.4	83.0
1928 (1913=100).....	140.0	143.1	157.3	178.7	168.1	155.1	109.9	155.3	119.1	173.0	89.2
1928 (1923-1925=100).....	97.0	103.0	106.8	117.4	88.5	86.9	93.9	89.9	94.9	92.2	82.3
1926											
January-March.....	102.0	104.7	100.7	101.6	104.8	98.6	99.6	101.7	100.9	101.1	110.7
April-June.....	100.4	102.0	100.3	98.8	100.3	99.8	98.7	99.3	100.3	100.3	102.5
July-September.....	99.4	98.4	98.7	99.2	98.6	100.5	101.0	99.5	100.1	99.7	95.7
October-December.....	98.6	95.8	100.7	100.6	96.4	101.1	100.7	99.6	98.8	99.1	91.4
1927											
January-December.....	95.7	95.4	95.8	100.6	94.3	94.5	98.3	96.3	97.4	97.9	90.6
April-June.....	93.7	95.7	94.5	104.2	94.1	84.3	98.2	94.9	96.3	97.9	90.9
July-September.....	95.3	101.0	94.9	112.0	96.3	84.2	97.8	92.9	95.7	98.4	89.5
October-December.....	96.8	104.6	101.0	114.7	97.7	83.1	97.5	90.7	97.2	98.7	88.5
1928											
January.....	96.3	106.1	98.5	121.0	96.7	80.8	98.1	90.8	96.3	98.6	89.0
February.....	96.4	104.5	99.7	124.1	96.0	81.2	98.3	91.0	95.8	98.4	87.3
March.....	96.0	103.5	98.0	124.0	96.5	80.8	93.4	91.0	95.6	98.3	86.8
April.....	97.4	107.6	99.5	126.7	96.5	80.8	93.4	92.5	95.8	97.9	84.9
May.....	98.6	109.8	101.2	126.3	96.0	81.8	98.6	93.5	95.3	97.8	85.1
June.....	97.6	106.7	109.3	123.7	96.3	82.1	98.7	93.9	94.9	97.0	82.2
July.....	98.3	107.1	102.3	124.2	96.8	82.8	98.6	94.4	94.5	96.9	80.8
August.....	98.9	107.0	104.1	121.0	96.3	84.0	100.4	94.6	94.7	97.2	79.3
September.....	100.1	108.8	106.9	120.7	95.6	85.1	100.5	94.7	95.1	97.2	79.7
October.....	97.8	103.5	102.3	117.5	96.1	84.9	101.0	95.0	95.6	96.6	80.3
November.....	96.7	101.6	100.1	115.5	96.1	84.4	101.7	96.0	96.0	96.4	80.0
December.....	96.7	103.6	98.0	115.7	96.1	83.5	102.9	96.8	96.1	96.4	80.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 342.—WHOLESALE PRICES: INDEX NUMBERS, 1860 TO 1889

NOTE.—Indexes are arithmetic averages of unweighted relative prices, published in 1893 by the Committee on Finance, United States Senate, on an 1860 base, recomputed to the 1913 base by the Bureau of Labor Statistics, Department of Labor, and later to a 1926 base by Division of Statistical Research, Bureau of Foreign and Domestic Commerce

[1926=100]

Year	General index	Year		General index	Year		General index
		1860	1870		1880	1890	
1860	58	1870	83	1880	62		
1861	58	1871	79	1881	62		
1862	68	1872	81	1882	63		
1863	66	1873	80	1883	62		
1864	111	1874	77	1884	58		
1865	126	1875	74	1885	54		
1866	111	1876	69	1886	54		
1867	100	1877	64	1887	54		
1868	94	1878	59	1888	55		
1869	80	1879	56	1889	55		

No. 343.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS

[1926=100]

Subgroup	Year								December, 1927	June, 1928	December, 1928
	1923-1925	1922	1923	1924	1925	1926	1927	1928			
Grains	102.3	85.0	88.0	100.6	118.3	100.0	100.9	107.3	102.0	110.9	94.3
Livestock and poultry	85.3	83.2	77.7	79.3	98.9	100.0	98.9	105.4	97.9	104.7	99.1
Other farm products	115.1	103.4	110.7	114.2	114.5	100.0	99.2	105.8	109.7	103.4	110.0
Meats	81.7	76.0	76.2	75.7	93.3	100.0	92.7	107.0	99.6	104.0	102.3
Butter, cheese, milk	99.7	91.4	103.4	94.5	101.1	100.0	104.0	105.6	110.0	99.3	110.0
Other foods	101.4	93.6	99.6	100.0	104.5	100.0	98.2	95.5	97.7	98.1	90.3
Hides and skins	115.5	115.8	117.6	110.2	118.7	100.0	120.4	148.6	136.4	155.0	131.0
Leather	102.9	105.2	104.1	99.8	104.8	100.0	109.2	126.3	122.4	127.3	119.3
Boots and shoes	99.3	98.1	99.1	98.4	100.5	100.0	102.5	109.9	107.1	110.8	108.4
Other leather products	103.4	113.5	103.7	103.7	102.8	100.0	104.1	108.5	109.4	108.4	108.4
Cotton goods	113.9	104.3	116.9	114.7	110.0	100.0	97.9	101.2	103.3	101.1	101.3
Silk and rayon	112.4	121.0	129.5	103.1	104.5	100.0	88.1	83.6	83.2	82.6	83.7
Woolen and worsted goods	108.2	95.7	107.5	106.8	110.2	100.0	97.0	100.4	98.4	101.2	100.0
Other textile products	89.5	70.8	77.4	87.1	104.1	100.0	95.4	86.9	96.7	85.9	84.9
Anthracite	99.7	95.3	100.8	98.6	99.7	100.0	96.3	91.7	96.8	90.3	91.2
Bituminous coal	103.2	113.1	113.4	99.7	96.5	100.0	100.4	93.6	97.4	91.8	93.2
Coke	104.6	119.1	118.8	97.2	97.7	100.0	94.4	84.6	91.9	84.7	84.5
Manufactured gas	103.2	110.3	104.8	102.9	101.9	100.0	97.0	94.9	96.2	95.2	96.6
Petroleum and products	87.0	102.9	82.6	83.5	95.0	100.0	72.7	72.0	66.2	71.9	73.9
Iron and steel	109.6	98.1	117.3	109.4	102.2	100.0	95.9	94.9	93.7	94.2	96.6
Nonferrous metals	96.6	83.5	95.3	93.0	101.4	100.0	91.8	93.3	92.3	92.8	98.0
Agricultural implements	101.6	88.2	98.8	105.7	100.4	100.0	99.2	98.8	98.8	98.8	98.8
Automobiles	107.2	116.6	108.7	107.6	105.3	100.0	102.5	106.9	104.6	105.1	111.2
Other metal products	101.8	94.7	103.3	101.7	100.5	100.0	100.2	97.2	100.7	96.9	96.9
Lumber	103.9	99.1	111.8	99.3	100.6	100.0	92.5	90.1	88.0	88.7	93.6
Brick	102.4	99.4	103.6	102.4	100.1	100.0	93.2	92.7	92.2	93.2	93.0
Portland cement	105.4	103.5	107.9	105.7	102.6	100.0	66.7	95.9	96.5	96.5	94.6
Structural steel	113.4	88.5	123.7	114.2	102.2	100.0	94.7	95.2	91.9	94.5	97.0
Paint materials	108.4	93.8	101.3	99.7	100.3	100.0	61.0	86.6	86.5	87.1	87.7
Other building materials	103.3	95.3	105.5	104.0	100.4	100.0	94.1	101.3	92.5	104.0	107.0
Chemicals	102.3	97.2	100.6	102.2	104.1	100.0	100.0	101.3	102.2	100.4	102.4
Drugs and pharmaceuticals	96.4	93.8	95.7	95.8	97.7	100.0	87.3	70.8	81.9	70.3	70.8
Fertilizer materials	98.0	102.3	102.5	92.6	98.8	100.0	66.2	64.6	95.0	94.0	94.1
Mixed fertilizers	101.2	119.0	107.4	95.9	100.4	100.0	93.0	97.3	95.2	98.1	97.8
Furniture	109.7	114.6	116.7	107.9	104.0	100.0	97.6	97.2	97.1	97.7	95.3
Furnishings	103.5	97.0	104.8	103.4	102.2	100.0	98.6	97.5	99.8	96.5	97.1
Cattle feed	113.8	107.3	118.5	110.2	112.7	100.0	117.8	138.1	128.9	148.6	137.0
Paper and pulp	102.9	91.6	102.8	100.7	105.2	100.0	92.2	89.4	90.9	89.2	86.6
Rubber, crude	85.5	86.0	61.3	54.3	149.9	100.0	77.9	48.4	84.2	40.1	37.0
Automobile tires	100.2	115.4	109.5	92.6	98.6	100.0	76.3	64.4	69.9	62.2	55.1
Other miscellaneous	100.8	100.4	102.0	100.8	99.6	100.0	99.9	98.6	98.6	98.4	99.7

Source of Tables 342 and 343: Bureau of Labor Statistics, Department of Labor.

No. 344.—WHOLESALE PRICES OF LEADING COMMODITIES, ACTUAL AND RELATIVE

NOTE.—This list is a selection from among the 550 commodities entering into the general index of wholesale prices of the Department of Labor, shown in Table 340

Commodity	Unit	Average price						
		1913	1923	1924	1925	1926	1927	1928
I.—FARM PRODUCTS								
Barley, feeding, Chicago.....	Bushel.....	Dollars 0.625	Dollars 0.600	Dollars 0.817	Dollars 0.814	Dollars 0.694	Dollars 0.825	Dollars 0.826
Corn, contract grades, Chicago.....	do.....	.625	.821	.972	1.038	.750	.882	.977
Corn, No. 3, mixed, Chicago.....	do.....	.618	.811	.957	1.014	.736	.851	.953
Oats, No. 2, white, Chicago.....	do.....	.376	.439	.514	.467	.430	.497	.555
Rye, No. 2, Chicago.....	do.....	.696	.752	.916	1.128	.954	1.040	1.133
Wheat, No. 2, red winter, Chicago.....	do.....	.986	1.170	1.280	1.770	1.542	1.378	1.540
Wheat, No. 2, hard, Kansas City.....	do.....	.877	1.112	1.232	1.670	1.496	1.372	1.325
Wheat, No. 1, northern spring, Minneapolis.....	do.....	.874	1.181	1.289	1.607	1.540	1.369	1.285
Cattle, steers, good to choice, Chicago.....	100 lbs.....	8.507	9.062	9.060	10.659	9.529	12.638	14.489
Hogs, fair to choice, light, Chicago.....	do.....	8.454	7.830	8.417	12.347	13.115	10.602	9.862
Lamb, western, fair to good, Chicago.....	do.....	7.704	13.446	14.330	15.219	13.701	13.800	14.203
Poultry, live fowls, Chicago.....	Pound.....	.154	.208	.217	.220	.262	.225	.246
Cotton, middling, New Orleans.....	do.....	.127	.237	.279	.230	.198	.172	.194
Eggs, firsts, Chicago.....	Dozen.....	.226	.315	.334	.369	.335	.300	.324
Eggs, firsts, New York.....	do.....	.249	.347	.364	.398	.356	.320	.329
Apples, fresh, Baldwins, Chicago.....	Barrel.....	3.174	4.097	4.075	5.938	4.102	4.522	6.979
Oranges, choice, California.....	Box.....	4.420	5.168	5.798	7.662	5.957	7.094	7.870
Hay, alfalfa, Kansas City.....	Ton.....	14.186	23.827	22.011	20.159	21.034	18.594	22.808
Hay, timothy, No. 1, Chicago.....	do.....	10.020	23.780	24.855	23.450	23.481	19.447	20.588
Milk, fluid, Chicago.....	100 lbs.....	1.091	3.051	3.023	2.930	2.940	2.975	2.735
Milk, fluid, New York.....	do.....	2.061	3.535	3.167	3.554	3.023	3.732	3.527
Peanuts, Norfolk.....	Pound.....	.036	.063	.063	.062	.059	.055	.053
Flaxseed, Minneapolis.....	Bushel.....	1.349	2.737	2.601	2.721	2.328	2.202	2.245
Tobacco, leaf, Kentucky.....	100 lbs.....	8.909	15.058	14.720	13.028	8.472	11.276	13.503
Potatoes, white, Chicago.....	do.....	1.024	1.457	1.372	2.105	3.013	2.309	1.354
Wool, Ohio, medium grades.....	Pound.....	.252	.538	.548	.558	.457	.447	.613
II.—FOODS								
Butter, creamery, extra: Chicago.....	Pound.....	.310	.460	.410	.442	.420	.458	.461
New York.....	do.....	.329	.408	.427	.454	.443	.473	.474
San Francisco.....	do.....	.317	.487	.437	.508	.436	.454	.400
Cheese, whole milk, Chicago.....	do.....	.142	.232	.190	.230	.217	.241	.240
Milk, evaporated, New York.....	Case.....	3.635	4.708	4.144	4.336	4.363	4.564	4.420
Beef, fresh, carcass, steers, Chicago.....	Pound.....	.130	.158	.171	.130	.164	.186	.228
Lamb, fresh, Chicago.....	do.....	.149	.253	.251	.269	.262	.262	.267
Hams, Chicago.....	do.....	.166	.212	.202	.271	.308	.246	.238
Pork, mess, New York.....	Barrel (200 lbs.).....	22.471	26.322	27.915	38.928	37.447	34.500	32.120
Pork, sides, clear, Chicago.....	Pound.....	.127	.120	.144	.223	.201	.187	.163
Pork, fresh (composite price), Chicago.....	do.....	.136	.142	.142	.205	.224	.183	.170
Poultry, Chicago.....	do.....	.145	.245	.249	.245	.271	.232	.226
Bread, Chicago.....	do.....	.043	.076	.074	.075	.075	.075	.075
Bread, New York.....	do.....	.042	.069	.070	.070	.070	.070	.070
Coffee, Rio No. 7, New York.....	do.....	.111	.115	.168	.203	.182	.148	.165
Salmon, canned, Alaska, red.....	Dozen.....	2.378	2.487	3.069	3.069	3.326	2.868	2.600
Flour, short patents, winter, Kansas City.....	Barrel.....	4.012	6.159	6.796	8.525	8.035	7.388	7.073
Flour, standard patents, Minneapolis.....	do.....	4.584	6.385	7.191	8.828	8.426	7.433	7.205
Flour, patents, Portland, Ore.....	do.....	4.495	7.211	7.574	9.190	7.984	7.475	7.545
Raisins, coast, seeded, New York.....	Pound.....	.092	.073	.075	.075	.092	.074	.061
Bananas, Jamaicas, New York.....	Bunch.....	2.285	2.454	2.447	2.451	2.202	2.101	2.101
Lard, prime, contract, New York.....	Pound.....	.110	.123	.133	.168	.150	.120	.123
Oleomargarine, standard, uncolored, Chicago.....	do.....	.163	.209	.222	.243	.223	.223	.225
Rice, Honduras, New Orleans.....	do.....	.051	.055	.059	.070	.073	.059	.048
Salt, American, medium, Chicago.....	Barrel.....	1.020	2.472	2.490	2.204	2.195	2.195	2.272
Sugar, granulated, New York.....	Pound.....	.043	.084	.074	.055	.055	.058	.055
Sugar, raw, 96°, New York.....	do.....	.035	.070	.050	.043	.043	.047	.042
Cottonseed oil, New York.....	do.....	.073	.113	.108	.108	.118	.097	.069

No. 344.—WHOLESALE PRICES OF LEADING COMMODITIES, ETC.—Continued

Commodity	Unit	Average price						
		1913	1923	1924	1925	1926	1927	1928
III.—HIDES AND LEATHER PRODUCTS								
Hides, packers, heavy, native steers.	Pound..	Dollars 0.184	Dollars 0.167	Dollars 0.147	Dollars 0.160	Dollars 0.140	Dollars 0.195	Dollars 0.238
Calfskins, No. 1, country, Chicago.	do.....	.189	.157	.183	.201	.173	.197	.274
Goat skins, Brnzll, New York.	do.....	.....	.925	.745	.785	.733	.751	.787
Leather, Boston:								
Calf, chrome, B grade.	Sq. ft....	.270	.443	.455	.472	.453	.489	.558
Glazed kid, top grade.	do.....	.250	.688	.673	.683	.675	.677	.715
Side, black, chrome, tanned, B grade.	do.....	.256	.200	.264	.274	.253	.320	.369
Sole, oak, scoured backs.	Pound..	.449	.508	.449	.482	.435	.493	.641
Shoes:								
Youths', tan calf, blucher.	Pair.....	.....	.....	.....	.....	1.063	1.720	1.888
Men's, black, dress, welt.	do.....	2.238	3.180	3.098	3.237	3.199	3.208	3.461
Women's, black kid, dress.	do.....	3.000	4.260	3.854	4.000	4.074	4.000	4.140
IV.—TEXTILE PRODUCTS								
Cotton goods, mill:								
Denims, Mass., 28-inch.	Yard.....	.....	.259	.234	.207	.169	.179	.101
Drillings, Pepperell, 29-inch.	do.....	.082	.178	.181	.164	.127	.120	.126
Gingham, Amoskeag, 27-inch.	do.....	.065	.143	.122	.113	.090	.095	.106
Muslin, bleached, Fruit of the Loom.	do.....	.085	.185	.183	.180	.197	.161	.166
Print cloth, 27-inch.	do.....	.035	.075	.068	.060	.052	.055	.058
Sheeting, bleached, Pepperell, 10/4.	do.....	.230	.505	.498	.454	.416	.385	.410
Sheeting, brown, Pepperell, 4/4.	do.....	.073	.152	.155	.139	.123	.121	.122
Thread, 6-cord.	Spool....	.018	.029	.034	.036	.036	.036	.036
Women's union suits.	Dozen....	8.250	12.625	13.304	10.458	9.875	8.804	9.600
Yarn, carded, white, northern, 22/1's cones.	Pound..	.248	.480	.474	.418	.358	.351	.371
Silk and rayon:								
Rayon, 150 B denier, New York.	do.....	1.750	2.600	1.913	1.896	1.692	1.439	1.450
Silk, raw, steam flature, New York.	do.....	4.463	9.178	6.670	6.679	6.348	5.559	5.128
Hosiery, women's, pure silk, mill.	Doz. prs.	.....	13.248	11.920	11.842	12.168	11.003	10.290
Hosiery, men's, silk, mill.	do.....	4.250	6.500	5.502	5.247	4.705	4.250	3.950
Woolen and worsted goods, mill:								
Sufting serge, 11-ounce.	Yard.....	1.131	2.004	2.428	2.403	2.168	2.051	2.052
French serge, 36-inch ¹ .	do.....	.....	.753	.776	.799	.728	.987	1.006
Yarn, fine weaving, 2/50's ² .	Pound..	1.054	2.565	2.417	2.426	2.166	2.088	2.058
V.—FUEL AND LIGHTING								
Coal, anthracite, chestnut.	Ton.....	.....	13.885	13.911	13.788	13.767	13.298	13.001
Coal, bituminous, mine run.	do.....	3.000	5.833	4.454	4.642	5.381	4.294	4.033
Coke, Connellsville, furnace.	do.....	2.440	5.551	3.828	4.084	4.106	3.199	2.793
Manufactured gas.	1,000 cu.ft.	.805	1.077	1.056	1.053	1.034	1.019	.982
Petroleum, crude, Kans.-Okla.	Barrel..	.934	1.438	1.450	1.670	1.884	1.285	1.203
Fuel oil, refinery, Pennsylvania.	Gallon..	.....	.055	.055	.059	.064	.051	.048
Gasoline, refinery, Pennsylvania.	do.....	.....	.134	.122	.133	.128	.092	.090
VI.—METALS AND PRODUCTS								
Iron ore, non-Bessemer.	Ton.....	3.400	5.435	4.961	4.375	4.250	4.250	4.250
Pig iron, basic, furnace.	do.....	14.706	25.808	20.245	19.567	18.548	17.697	16.064
Pig iron, Bessemer, Pittsburgh.	do.....	17.133	28.972	23.288	22.318	21.318	20.437	19.207
Nails, wire, Pittsburgh.	100 lbs.	1.819	3.035	2.980	2.820	2.750	2.638	2.676
Pipe, cast-iron, 6-inch, New York.	Ton.....	23.371	60.314	60.137	52.196	51.340	43.315	37.659
Skelp, grooved, Pittsburgh.	100 lbs.	1.390	2.347	2.140	1.960	1.900	1.830	1.865
Steel billets, open-hearth, Pitts- burgh.	Ton.....	26.096	41.750	38.000	35.644	35.000	33.289	32.673
Steel plates, tank, Pittsburgh.	Pound..	.015	.024	.021	.019	.019	.018	.019
Steel rails, open-hearth, mill.	Ton.....	30.000	43.000	43.000	43.000	43.000	43.000	43.000
Steel sheets, No. 27, mill.	Pound..	.022	.037	.036	.033	.032	.031	.029
Steel, structural, mill.	100 lbs.	1.510	2.423	2.235	2.002	1.958	1.854	1.805
Tin plate, domestic, standard, Pittsburgh.	do.....	3.568	5.411	5.600	5.500	5.500	5.481	5.262
Aluminum, New York.	Pound..	.236	.253	.270	.272	.270	.264	.230
Copper, ingot, electrolytic.	do.....	.167	.146	.131	.141	.138	.130	.140
Lead, pig, desilverized, New York.	do.....	.044	.074	.083	.091	.084	.068	.063
Silver, bar, fine, New York.	Ounce..	.612	.652	.671	.694	.624	.567	.585
Tin, pig, New York.	Pound..	.449	.420	.501	.578	.653	.644	.504
Zinc, pig, slab, New York.	do.....	.058	.070	.067	.080	.077	.066	.064

¹ Prior to 1927, 35 to 36 inch.² Fine domestic, prior to 1927.

No. 344.—WHOLESALE PRICES OF LEADING COMMODITIES, ETC.—Continued

Commodity	Unit	Average price						
		1913	1923	1924	1925	1926	1927	1928
VI.—METALS, ETC.—continued								
Agricultural implements, factory:								
Cultivator	Each	<i>Dollars</i> 21.860	41.370	40.450	45.120	44.170	42.030	41.320
Harrow, spike, peg tooth	do	8.379	15.630	18.100	17.100	16.720	15.670	15.670
Plow, 2-horse	do		16.028	17.913	16.458	16.095	15.850	15.250
Separator, cream	do	39.520	56.520	61.270	59.370	59.370	61.250	61.040
Tractor, 10-20 horsepower	do	1,162.5	628.0	680.0	680.0	680.0	690.0	680.0
Automobiles, f. o. b. factory:								
Buick	do		1,011.0	1,725.0	1,625.0	1,468.0	1,402.0	1,523.0
Ford	do	624.0	447.0	398.0	391.0	413.0	456.0	402.0
Packard	do	4,770.0	3,671.0	3,724.0	3,556.0	3,580.0	3,403.0	3,165.0
Sewing machines, electric	do		71.050	73.850	75.350	77.550	80.250	82.250
Stoves, gas	do		65.450	63.900	62.750	62.900	63.400	60.650
VII.—BUILDING MATERIALS								
Douglas fir, No. 1, common sheathing	1,000 ft.	0.208	10,417	17,250	17,250	16,483	16,285	16,758
Oak, plain, white, No. 1, Cincinnati	do		71.558	63.900	63.135	66.019	63.035	59.173
Pine, white, No. 2, Buffalo	do		67.923	58.717	53.231	50.039	46.231	44.269
Pine, yellow, flooring, mill	do	23.036	47.000	41.874	46.493	45.100	38.481	36.485
Pine, yellow, timbers, mill	do	14.634	29.023	25.800	26.519	27.835	25.438	24.990
Shingles, cedar, red, mill	1,000	1.967	2.903	2.727	2.819	2.734	2.641	2.786
Brick, common, building, plant	do		14.500	14.458	14.005	13.913	14.021	13.717
Cement, Portland	Barrel	1.005	1.881	1.843	1.789	1.744	1.686	1.672
Linseed oil, raw, New York	Pound	.062	.132	.131	.139	.112	.105	.100
White lead, in oil, New York	do	.088	.120	.148	.156	.152	.140	.133
Glass, plate, 5 to 10 sq. ft., New York	Sq. ft.	.318	.700	.662	.563	.478	.395	.385
Glass, window, single B, works	50 sq. ft.	2.221	3.612	3.450	3.095	3.110	2.980	3.080
Lime, building, plant	Ton		9.786	9.585	9.388	8.984	8.825	8.502
VIII.—CHEMICALS AND DRUGS								
Acid, sulphuric, 66°, New York	Ton	20.000	14.600	14.200	14.000	14.600	15.104	15.500
Alcohol, denatured, New York	Gallon	.366	.423	.532	.578	.367	.478	.530
Ammonia, anhydrous, New York	Pound	.250	.300	.300	.266	.131	.114	.135
Soda ash, light, 53 per cent, New York	100 lbs.	.583	2.015	2.290	2.290	2.290	1.875	1.366
Soda, caustic, New York	do	1.460	3.440	3.200	3.200	3.200	3.078	2.950
Tallow, packer's prime, Chicago	Pound	.071	.082	.085	.097	.087	.081	.088
Alcohol, grain, New York	Gallon	2.490	4.745	4.801	4.850	4.855	3.741	2.701
Phenol, U. S. P., New York	Pound		.370	.280	.224	.197	.169	.150
Acid phosphate, Baltimore	Ton		8.786	8.063	9.346	9.592	8.647	9.392
Nitrate of soda, 95 per cent, New York	100 lbs.	2.460	2.510	2.490	2.370	2.550	2.405	2.232
Sulphate of ammonia, New York	do		3.528	2.753	2.861	2.628	2.427	2.484
Fertilizers, mixed, South Atlantic, 5-5-3	Ton	20.310	26.260	21.380	22.800	23.200	21.792	22.900
IX.—HOUSEFURNISHING GOODS³								
Carpets, Brussels, factory	Yard	1.292	2.953	2.969	3.152	3.064	2.976	2.976
X.—MISCELLANEOUS								
Bran, Minneapolis	Ton	18.365	25.551	23.245	24.841	23.084	26.861	30.150
Cottonseed meal, prime, Memphis	do	31.608	47.643	30.104	36.313	28.542	35.604	47.042
Middlings, standard, Minneapolis	do	19.452	26.565	24.415	26.570	23.430	29.127	31.582
Paper, newsprint, rolls, contract, mills	100 lbs.	2.300	3.900	3.800	3.700	3.500	3.250	3.250
Paper, wrapping, manila, No. 1, jute, New York	do	4.880	9.370	10.440	11.660	11.030	9.230	9.125
Wood pulp, sulphite, domestic, unbleached, New York	do	2.225	2.973	2.579	2.682	2.865	2.633	2.522
Rubber, plantation, ribbed, New York	Pound	.820	.307	.264	.730	.487	.381	.226
Automobile tires, balloon, factory	Each					18.289	13.777	11.784
Cylinder oil, Pennsylvania	Gallon		.224	.289	.284	.264	.251	.226
Neutral oil, Pennsylvania	do		.230	.262	.241	.280	.322	.314
Soap, laundry, Philadelphia	100 cakes	3.528	4.945	4.735	4.921	4.851	4.851	4.851
Starch, laundry, New York	Pound	.037	.051	.057	.060	.058	.058	.058
Tobacco, plug, New York	do		.701	.696	.696	.696	.696	.696
Tobacco, smoking, 1-ounce bag, New York	Gross	5.640	9.920	8.453	8.320	8.320	8.320	8.320

³ Owing to frequent changes in patterns announced by manufacturers, prices of individual articles of furniture are only roughly comparable from year to year and are not shown.

Source: Bureau of Labor Statistics, Department of Labor.

No. 345.—WHOLESALE PRICES: INDEX NUMBERS

NOTE.—Figures in boxes indicate number of quotations. Bradstreet's index is the sum of the prices per pound of the 96 commodities. Dun's is weighted by the amount "annually consumed by each inhabitant." For method of computing the Department of Labor index see general note p. 323

[1926=100]

Year	Bradstreet's index ¹	Dun's index ¹	Department of Labor			
			All commodities	Raw materials	Semi-manufactured articles	Finished products
			96	108	62	380
1913.....	70.9	64.3	69.8	68.8	74.0	60.4
1914.....	68.9	64.8	68.1	67.0	70.0	67.8
1915.....	77.4	67.6	69.5	67.2	81.2	68.9
1916.....	93.3	80.3	85.5	82.6	118.3	82.3
1917.....	123.8	110.5	117.5	122.6	150.4	105.2
1918.....	145.2	121.9	131.3	135.8	153.8	124.7
1919.....	145.6	123.2	138.6	145.0	187.0	130.6
1920.....	140.6	120.3	154.4	151.8	198.2	149.8
1921.....	87.2	89.1	97.6	88.3	96.1	103.3
1922.....	95.3	92.3	96.7	96.0	98.9	96.5
1923.....	103.5	100.8	100.6	98.5	118.6	99.2
1924.....	100.0	100.9	98.1	97.6	108.7	96.3
1925.....	108.0	104.0	103.5	108.7	105.3	100.6
1926.....	100.0	100.0	100.0	100.0	100.0	100.0
1927.....	90.4	90.4	95.4	96.5	96.9	94.5
1928.....	102.4	103.1	97.7	99.1	97.4	97.0

¹ As of the end of the month.

Source: Survey of Current Business and Department of Labor.

No. 346.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. Figures for food represent 51 cities; other figures, 19 cities from 1913 to December, 1917, inclusive, and 32 cities thereafter. Totals weighted by relative importance of items as ascertained by country-wide study of cost of living

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
December, 1914.....	103.0	105.0	101.0	100.0	101.0	104.0	103.0
December, 1915.....	105.1	105.0	104.7	101.5	101.0	110.6	107.4
December, 1916.....	118.3	126.0	120.0	102.3	108.4	127.8	118.3
December, 1917.....	142.4	157.0	149.1	100.0	124.1	150.6	140.5
December, 1918.....	174.4	187.0	205.3	109.2	147.9	213.6	165.8
June, 1919.....	177.3	184.0	214.5	114.2	145.6	225.1	173.2
December, 1919.....	199.3	197.0	268.7	125.3	156.8	263.5	190.2
June, 1920.....	216.5	219.0	287.5	134.9	171.9	292.7	201.4
December, 1920.....	200.4	178.0	258.5	151.1	194.9	285.4	208.2
May, 1921.....	180.4	144.7	222.6	159.0	181.6	247.7	208.8
September, 1921.....	177.3	158.1	192.1	160.0	180.7	224.7	207.8
December, 1921.....	174.3	149.9	184.4	161.4	181.1	218.0	206.8
March, 1922.....	166.9	138.7	175.5	160.9	175.8	206.2	203.3
June, 1922.....	166.6	140.7	172.3	160.9	174.2	202.9	201.5
September, 1922.....	166.3	139.7	171.3	161.1	183.6	202.9	201.1
December, 1922.....	169.5	146.6	171.5	161.9	186.4	208.2	200.5
March, 1923.....	168.8	141.9	174.4	162.4	186.2	217.6	200.3
June, 1923.....	169.7	144.3	174.9	163.4	180.6	222.2	200.3
September, 1923.....	172.1	149.3	176.5	164.4	181.3	222.4	201.1
December, 1923.....	173.2	150.3	176.3	166.5	184.0	222.4	201.7
March, 1924.....	170.4	143.7	175.8	167.0	182.2	221.8	201.1
June, 1924.....	169.1	142.4	174.2	168.0	177.3	216.0	201.1
September, 1924.....	170.6	146.8	172.3	168.0	179.1	214.9	201.1
December, 1924.....	172.5	151.5	171.3	168.2	180.6	216.0	201.7
June, 1925.....	178.5	155.0	170.6	167.4	176.5	214.3	202.7
December, 1925.....	177.9	165.5	169.4	167.1	180.9	214.3	203.5
June, 1926.....	174.8	159.7	168.2	165.4	180.7	210.4	203.3
December, 1926.....	176.6	161.8	166.7	164.2	183.8	207.7	203.9
June, 1927.....	173.4	158.5	164.9	162.1	180.8	205.2	204.5
December, 1927.....	172.0	155.9	162.9	160.2	183.2	204.6	204.1
June, 1928.....	170.0	152.5	162.6	157.6	177.2	201.1	208.5
December, 1928.....	171.3	155.8	161.9	155.9	181.3	199.7	207.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 347.—COST OF LIVING IN PRINCIPAL CITIES: INDEX NUMBERS

City	Index of total cost of living for December—							Index December, 1928, for—					
	1920	1923	1924	1925	1926	1927	1928	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
Dec., 1914=100													
Baltimore, Md.-----	196.8	174.8	174.8	181.2	178.6	174.5	173.9	151.9	168.3	165.7	187.3	202.0	220.9
Boston, Mass.-----	197.4	169.4	167.3	174.7	171.9	169.5	168.2	150.5	180.4	151.6	196.7	218.4	194.4
Buffalo, N. Y.-----	201.7	178.6	177.8	184.8	183.6	180.2	179.6	154.9	172.4	169.4	228.5	204.2	217.8
Chicago, Ill.-----	193.3	173.7	175.3	180.6	179.0	174.3	173.1	162.4	152.1	183.6	156.5	197.2	201.7
Cleveland, Ohio.-----	207.3	179.6	178.1	182.7	181.5	179.0	175.4	148.5	163.9	160.5	203.7	180.2	219.0
Detroit, Mich.-----	218.0	184.7	182.2	187.8	184.1	179.0	177.4	155.7	162.5	178.2	177.0	181.2	231.1
Houston, Tex.-----	204.0	170.6	170.5	174.3	170.6	167.9	166.4	151.4	180.4	130.1	133.6	231.1	189.3
Jacksonville, Fla.-----	205.2	171.9	170.4	181.7	181.3	173.6	181.6	140.0	184.6	127.4	178.9	219.6	205.1
Los Angeles, Calif.-----	196.7	178.8	175.4	177.4	172.2	170.6	171.0	144.7	170.5	149.8	151.5	208.4	210.9
Mobile, Ala.-----	193.3	162.6	163.9	168.5	168.1	165.5	165.7	140.6	148.1	141.6	192.1	192.3	208.3
New York, N. Y.-----	201.4	177.3	176.5	183.2	180.0	176.1	176.3	153.0	188.4	168.6	196.3	196.4	218.8
Norfolk, Va.-----	200.0	172.4	172.1	176.4	174.6	173.4	174.1	155.0	171.8	139.6	200.3	186.1	218.2
Philadelphia, Pa.-----	200.7	174.7	176.1	182.6	182.3	178.3	174.5	151.7	174.0	163.8	187.3	183.9	220.3
Portland, Me.-----	163.1	165.9	166.0	170.3	169.2	167.0	166.9	157.0	164.8	120.9	202.4	212.3	197.3
Portland, Oreg.-----	180.3	157.8	155.8	166.9	155.1	152.8	152.4	141.8	140.4	116.4	163.0	180.1	178.0
San Francisco and Oakland, Calif.-----	185.1	162.1	160.1	164.7	161.7	160.7	161.7	148.0	183.4	133.5	147.5	199.0	183.2
Savannah, Ga.-----	193.7	163.2	156.3	162.9	160.5	163.1	159.1	135.0	169.0	133.9	159.6	213.8	187.0
Seattle, Wash.-----	194.1	168.5	167.8	171.7	169.1	166.9	167.1	140.8	168.3	131.0	162.9	232.6	197.4
Washington, D. C.-----	187.8	163.2	163.1	167.3	166.0	160.8	160.2	158.2	165.2	164.1	141.0	199.4	173.8
Dec., 1917=100													
Atlanta, Ga.-----	138.5	116.0	114.9	119.0	117.4	114.3	115.0	102.9	100.4	138.2	126.9	114.9	135.3
Birmingham, Ala.-----	133.3	116.0	116.8	119.2	117.8	115.7	114.2	97.3	95.8	164.8	143.4	112.3	127.2
Cincinnati, Ohio.-----	134.7	117.7	117.6	123.0	123.8	121.3	121.2	100.4	94.5	157.1	161.6	114.7	149.6
Denver.-----	138.7	122.1	120.2	122.5	120.4	116.6	116.3	93.7	108.2	164.1	139.3	119.8	133.8
Indianapolis, Ind.-----	137.6	120.6	121.4	124.3	122.3	119.2	118.5	99.7	103.2	130.4	132.3	112.6	152.0
Kansas City, Mo.-----	130.5	117.2	115.3	118.1	115.2	111.9	111.3	94.0	102.9	123.8	126.8	105.6	137.8
Memphis, Tenn.-----	130.3	121.0	120.4	122.1	119.9	117.3	117.5	95.1	100.2	143.7	168.8	114.8	137.7
Minneapolis, Minn.-----	135.7	118.8	117.3	120.3	118.2	116.4	115.2	100.7	98.5	127.5	144.6	110.5	134.5
New Orleans, La.-----	136.7	120.2	120.6	122.7	121.7	119.9	119.5	96.8	113.1	164.8	128.4	117.9	146.8
Pittsburgh, Pa.-----	130.3	122.9	124.9	128.5	127.2	124.8	124.4	102.1	103.5	171.6	186.0	116.4	146.9
Richmond, Va.-----	133.3	117.1	116.5	120.8	119.3	116.4	115.7	96.9	105.4	128.9	147.5	132.7	140.9
St. Louis, Mo.-----	135.4	120.6	120.7	125.0	124.5	121.4	120.4	97.8	102.5	174.2	123.1	119.5	138.7
Sarantou, Pa.-----	130.1	125.8	125.8	132.0	129.8	128.5	127.8	104.3	115.3	171.7	172.2	129.3	167.8

Source: Bureau of Labor Statistics, Department of Labor.

No. 348.—RETAIL FOOD PRICES IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. The principal commodities used in this index number are listed in Table 350. For index numbers for individual cities see Table 349

Year	Index numbers of—		Year	Index numbers of—		Year	Index numbers of—	
	Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food
1890	70	143	1903	75	133	1916	114	89
1891	71	141	1904	76	132	1917	146	68
1892	69	145	1905	76	132	1918	188	60
1893	71	141	1906	79	127	1919	209	54
1894	68	147	1907	82	122	1920	203	49
1895	67	149	1908	84	119	1921	153	65
1896	65	154	1909	89	112	1922	142	70
1897	66	154	1910	93	108	1923	146	68
1898	67	149	1911	92	109	1924	146	68
1899	68	147	1912	98	102	1925	167	64
1900	69	145	1913	100	100	1926	161	62
1901	72	139	1914	102	98	1927	165	64
1902	75	133	1915	101	99	1928	154	65

No. 349.—RETAIL FOOD PRICES IN PRINCIPAL CITIES: INDEX NUMBERS

NOTE.—1913 average=100. For average for all cities see Table 348

City	1916	1920	1922	1923	1924	1925	1926	1927	1928	1928			
										Mar.	June	Sept.	Dec.
Atlanta, Ga.	108	202	141	143	144	158	165	160	188	154	157	160	163
Baltimore, Md.	113	207	146	152	152	164	168	161	159	155	158	165	157
Birmingham, Ala.	110	209	143	149	160	165	168	161	150	156	157	162	161
Boston, Mass.	112	203	145	151	149	158	162	157	156	155	152	161	157
Buffalo, N. Y.	115	210	147	151	149	162	160	160	159	157	157	162	160
Charleston, S. C.	108	207	146	148	149	159	164	157	150	153	153	158	158
Chicago, Ill.	114	207	145	152	155	166	171	168	165	161	164	170	167
Cincinnati, Ohio	112	203	140	143	142	157	163	157	167	153	157	162	159
Cleveland, Ohio	114	208	137	145	145	156	162	155	163	151	154	157	152
Dallas, Tex.	111	197	141	143	146	156	156	154	155	151	153	157	160
Denver, Colo.	112	195	139	135	134	143	144	140	139	130	139	141	143
Detroit, Mich.	114	215	145	152	151	165	169	163	160	158	158	165	161
Fall River, Mass.	112	204	144	150	145	153	158	155	154	151	149	158	157
Indianapolis, Ind.	114	202	135	142	141	151	157	151	151	147	150	155	153
Jacksonville, Fla.	108	192	136	139	140	153	161	160	145	141	142	150	145
Kansas City, Mo.	114	206	137	141	141	155	158	150	150	140	151	152	160
Little Rock, Ark.	110	195	135	139	138	149	153	148	147	144	146	149	151
Los Angeles, Calif.	102	184	135	140	141	149	146	143	143	139	138	148	148
Louisville, Ky.	110	197	131	136	138	154	157	152	153	149	154	156	156
Manchester, N. H.	113	206	142	149	145	162	167	153	154	151	150	159	155
Memphis, Tenn.	111	204	134	138	137	150	152	146	148	144	146	151	152
Milwaukee, Wis.	115	209	142	148	149	157	163	157	156	153	155	160	156
Minneapolis, Minn.	114	208	140	144	143	154	159	152	153	152	156	154	154
Newark, N. J.	111	195	139	146	143	151	154	160	160	148	147	153	151
New Haven, Conn.	115	201	141	149	146	155	161	157	157	154	154	161	161
New Orleans, La.	112	200	142	143	144	156	156	154	153	150	150	156	156
New York, N. Y.	112	204	147	153	160	160	164	160	163	155	154	161	160
Omaha, Nebr.	115	210	139	142	142	155	159	151	147	142	146	151	149
Philadelphia, Pa.	113	201	143	149	147	159	164	160	168	156	158	161	159
Pittsburgh, Pa.	112	202	130	149	148	158	162	158	156	153	152	160	151
Portland, Oreg.	104	187	130	133	134	142	140	139	140	137	138	144	143
Providence, R. I.	114	209	147	153	149	158	162	156	156	155	152	160	158
Richmond, Va.	114	214	153	156	153	166	170	162	161	157	161	164	162
St. Louis, Mo.	114	213	141	145	147	160	164	159	155	154	156	158	158
Salt Lake City, Utah	111	185	123	127	127	140	135	134	132	128	132	135	136
San Francisco, Calif.	105	189	139	142	144	155	153	151	151	148	148	154	154
Scranston, Pa.	112	208	148	153	148	161	165	162	163	160	161	166	164
Seattle, Wash.	105	190	136	138	139	150	147	145	145	142	142	151	147
Washington, D. C.	112	208	150	154	152	165	169	163	164	158	161	170	164

Source: Bureau of Labor Statistics, Department of Labor.

No. 350.—RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: ACTUAL AND RELATIVE

NOTE.—For index numbers 1913 average = 100. Data are averages of prices as reported by retail dealers as of the 15th of each month in 51 of the larger cities since the year 1920 and in a smaller number of cities for earlier years (30 in 1913)

Year or month	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
	Sirloin steak		Round steak		Rib roast		Pork chops		Bacon		Lard	
	Per lb.		Per lb.		Per lb.		Per lb.		Per lb.		Per lb.	
1891-1895			\$0.123	55			\$0.112	53			\$0.100	63
1896-1900			.127	57			.111	53			.091	58
1901-1905			.141	63			.137	65			.116	75
1906-1910	\$0.192	78	.150	71	\$0.150	80	.167	80	.176	85	.136	85
1911-1915	.241	95	.213	96	.191	96	.201	98	.217	89	.170	95
1916-1920	.360	144	.338	162	.285	144	.356	170	.461	171	.200	184
1921-1925	.391	154	.387	151	.287	145	.331	158	.412	153	.190	120
1913	.254	100	.223	100	.198	100	.210	100	.270	100	.158	100
1921	.368	153	.344	154	.291	147	.340	166	.427	158	.180	114
1922	.374	147	.323	145	.276	139	.330	167	.398	147	.170	108
1923	.391	154	.335	150	.284	143	.304	145	.391	145	.177	112
1924	.396	156	.338	152	.288	146	.308	147	.377	140	.190	120
1925	.406	160	.347	156	.296	150	.366	174	.467	173	.233	148
1926	.413	163	.356	160	.303	153	.395	188	.509	186	.219	139
1927	.426	169	.371	166	.313	158	.388	175	.472	175	.193	122
1928	.478	188	.420	188	.350	177	.348	166	.440	163	.186	118
March	.449	177	.391	175	.331	167	.286	136	.430	159	.178	113
June	.474	187	.416	186	.347	175	.348	166	.432	160	.182	115
September	.518	204	.458	205	.374	189	.443	211	.454	168	.193	122
December	.482	190	.427	192	.367	180	.313	149	.433	160	.187	118
	Hens		Eggs		Butter		Cheese		Milk		Bread	
	Per lb.		Per doz.		Per lb.		Per lb.		Per qt.		Per lb.	
1891-1895	\$0.136	64	\$0.214	62	\$0.268	70			\$0.068			
1896-1900	.131	62	.199	58	.247	64			.067	75		
1901-1905	.154	72	.254	74	.281	73			.071	80		
1906-1910	.182	85	.304	88	.333	87			.079	89		
1911-1915	.206	97	.341	99	.368	95	\$0.227	103	.088	99	\$0.063	115
1916-1920	.351	165	.527	153	.567	148	.358	162	.133	149	.096	121
1921-1925	.365	171	.483	140	.523	137	.352	159	.139	156	.091	165
1913	.213	100	.345	100	.383	100	.221	100	.089	100	.056	100
1921	.397	186	.509	148	.517	135	.340	154	.146	164	.099	160
1922	.360	160	.444	129	.479	125	.329	149	.131	147	.087	177
1923	.350	164	.465	135	.554	145	.369	167	.138	155	.087	155
1924	.353	166	.478	139	.517	135	.353	160	.138	155	.088	157
1925	.366	172	.521	151	.548	143	.367	166	.140	157	.094	168
1926	.388	182	.485	141	.531	139	.366	166	.140	157	.094	168
1927	.369	173	.452	131	.556	145	.376	170	.141	168	.093	160
1928	.374	176	.464	134	.565	148	.385	174	.142	160	.091	162
March	.372	175	.370	107	.573	150	.385	174	.142	160	.091	162
June	.371	174	.338	112	.539	141	.381	172	.140	157	.092	164
September	.379	178	.504	146	.576	150	.387	175	.142	160	.091	162
December	.370	178	.584	169	.593	155	.385	174	.143	161	.090	161
	Flour		Corn meal		Rice		Potatoes		Sugar		Coffee	
	Per 1/2 bbl. bag		Per lb.		Per lb.		Per pk.		Per lb.		Per lb.	
1891-1895	\$0.637	79	\$0.020	67			\$0.235	92	\$0.067	104		
1896-1900	.639	79	.018	60			.211	83	.058	105		
1901-1905	.687	85	.022	73			.263	103	.058	103		
1906-1910	.807	100	.027	90			.271	106	.059	107		
1911-1915	.872	108	.031	103	\$0.089	102	.282	111	.061	111	\$0.298	100
1916-1920	1.637	202	.058	193	.130	149	.609	239	.115	209	.862	121
1921-1925	1.303	161	.045	151	.099	114	.453	178	.084	152	.610	138
1913	.809	100	.030	100	.087	100	.255	100	.055	100	.298	100
1921	1.421	176	.045	150	.095	109	.465	182	.030	145	.363	122
1922	1.250	165	.039	130	.095	109	.420	165	.073	133	.361	121
1923	1.162	142	.041	137	.095	109	.435	171	.071	131	.377	121
1924	1.201	149	.047	157	.101	116	.405	159	.092	167	.433	145
1925	1.495	185	.054	180	.111	128	.540	212	.072	131	.515	173
1926	1.470	182	.051	170	.116	133	.735	288	.069	126	.510	171
1927	1.248	167	.052	173	.107	123	.570	224	.073	133	.483	162
1928	1.323	164	.053	177	.100	115	.405	159	.071	129	.492	165
March	1.298	161	.052	173	.101	116	.510	200	.071	129	.488	164
June	1.396	173	.053	177	.099	114	.435	171	.073	133	.462	165
September	1.298	161	.053	177	.100	115	.330	129	.070	127	.495	166
December	1.250	154	.053	177	.099	114	.330	129	.067	122	.497	167

¹ 1907-1910.

² 1913-1915.

Source: Bureau of Labor Statistics, Department of Labor.

No. 351.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT DOMESTIC ARTICLES EXPORTED FROM THE UNITED STATES

NOTE.—The values of the goods are required by law to represent their market value at the port of exportation. The headnote to Table 352 also applies to this table

Year ended—	Bacon, hams, and shoulders, per pound	Pork, pickled, per pound	Eggs, per dozen	Milk: Condensed and evaporated, per pound	Butter, per pound	Cheese, per pound	Lard, per pound	Sole leather, per pound	Corn, per bushel	Rye, per bushel	Wheat, per bushel	Wheat flour, per barrel	Oil cake, and oil cake meal, per pound	Cottonseed oil, per pound ¹	Sugar, per pound	Rosin, per barrel ²	Spirits of turpentine, per gallon	Tobacco, leaf, per pound	Cotton, per pound	Boards, planks, per M feet	Anthracite, per ton	Bituminous, per ton	Petroleum, crude, per gallon	Gasoline, naphtha, etc., per gallon	Kerosene, per gallon	Wine, per pound	Wire nails, per pound	
	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Dols.	Dols.	Dols.	Dols.	Cts.	Cts.	Cts.	Dols.	Dols.	Cts.	Cts.	Dols.	Dols.	Dols.	Dols.	Cts.	Cts.	Cts.	Cts.	Cts.
June 30—	9.0	8.7	19.5	18.0	10.1	9.4	18.0	0.68	0.59	0.73	3.70	1.33	39.3	4.1	1.66	0.39	9.2	18.01	4.53	2.53	4.6	7.1	8.3	8.3	8.3	8.3	8.3	
1902	9.9	10.5	21.5	18.0	11.9	10.4	18.0	.54	.58	.77	3.74	1.2	39.9	4.4	2.01	.49	9.2	18.01	4.85	2.53	4.7	9.3	8.3	8.3	8.3	8.3	8.3	
1903	11.4	8.5	22.3	16.5	10.5	8.3	18.0	.54	.58	.81	4.05	1.1	36.9	4.4	2.56	.55	9.2	20.05	4.93	2.75	5.7	10.7	7.7	7.7	7.7	7.7	7.7	
1904	10.3	7.9	21.9	16.4	10.7	7.7	21.4	.53	.84	.89	4.55	1.1	39.4	4.1	3.06	.56	9.6	18.03	4.99	2.63	5.0	8.4	8.4	8.4	8.4	8.4	8.4	
1905	10.1	8.2	21.0	18.0	11.7	8.1	20.2	.53	.67	.92	4.25	1.3	31.2	3.3	3.4	.63	9.2	11.0	4.93	2.56	5.2	8.4	8.4	8.4	8.4	8.4	8.4	
1906	10.1	9.1	22.1	19.4	11.6	9.2	22.0	.53	.75	.79	3.99	1.3	40.8	3.4	4.42	.65	10.0	10.6	4.94	4.30	5.0	10.4	8.4	8.4	8.4	8.4	8.4	
1907	10.9	8.9	20.3	21.8	12.9	9.1	21.1	.65	.90	.99	4.61	1.3	42.0	4.4	4.20	.52	10.6	11.4	4.83	4.83	4.8	11.0	8.4	8.4	8.4	8.4	8.4	
1908	10.9	8.8	23.0	21.2	12.6	10.0	20.9	.70	.82	1.02	4.86	1.3	40.8	3.4	3.69	.40	10.9	9.4	4.31	4.97	4.9	11.0	8.4	8.4	8.4	8.4	8.4	
1909	10.8	11.1	23.7	7.7	25.0	15.5	11.9	21.7	.69	.77	1.02	5.27	1.4	6.6	4.4	4.55	.50	10.3	14.0	4.94	4.94	4.1	11.0	8.4	8.4	8.4	8.4	8.4
1910	11.2	10.8	20.9	7.7	21.7	12.4	11.0	21.5	.56	.95	.93	4.82	1.4	7.6	4.4	6.42	.51	11.1	14.3	4.99	4.99	4.9	11.0	8.4	8.4	8.4	8.4	8.4
1911	13.3	9.5	22.0	8.9	24.1	14.2	9.8	22.0	.72	.81	.94	4.63	1.4	6.0	4.4	6.67	.73	11.5	10.3	5.11	5.11	5.1	13.3	8.4	8.4	8.4	8.4	8.4
1912	12.1	10.6	21.5	8.7	24.7	17.0	11.2	24.0	.59	.69	.97	4.67	1.4	6.9	4.4	6.49	.43	11.9	11.8	5.30	5.30	5.3	14.3	8.4	8.4	8.4	8.4	8.4
1913	13.1	10.3	23.1	8.3	23.3	17.1	11.3	25.6	.75	.70	.95	4.61	1.4	7.2	4.4	6.54	.43	12.1	13.3	5.5	5.5	5.5	14.3	8.4	8.4	8.4	8.4	8.4
1914	13.2	10.3	24.1	8.3	24.3	15.3	11.0	29.3	.81	1.17	1.25	5.86	1.4	8.9	4.4	7.7	.47	12.1	15.2	5.27	5.27	5.2	14.3	8.4	8.4	8.4	8.4	8.4
1915	13.9	10.6	23.2	8.0	26.6	16.7	11.2	34.2	.81	1.06	1.24	5.63	1.6	9.5	4.4	8.33	.47	12.1	13.3	5.25	5.25	5.2	16.3	8.4	8.4	8.4	8.4	8.4
1916	17.6	14.8	30.4	9.7	32.6	23.1	17.3	43.6	1.12	1.63	1.94	7.30	1.9	12.2	6.8	9.5	.49	14.1	18.1	5.66	5.66	5.6	20.8	8.4	8.4	8.4	8.4	8.4
1917	26.9	22.7	37.8	12.9	38.6	24.3	25.0	53.3	1.54	1.99	2.37	11.19	2.5	18.5	6.9	7.36	.53	24.1	28.7	6.16	6.16	6.1	22.6	8.9	8.9	8.9	8.9	8.9
1918																												
Dec. 31—	31.5	25.3	48.5	14.3	50.7	37.8	31.3	44.7	1.66	1.88	2.41	11.09	3.3	21.2	7.8	16.89	.98	33.9	33.9	49.45	8.25	4.66	6.0	23.8	12.2	5.5	5.3	5.3
1919	25.2	19.8	50.6	15.7	58.0	31.0	33.4	53.4	1.49	2.14	2.73	11.30	3.1	18.9	10.3	16.72	1.54	52.4	33.6	62.13	9.44	8.85	6.6	26.6	15.3	5.7	5.7	5.7
1920	17.9	12.8	32.5	9.3	40.8	23.1	13.0	34.6	.72	1.48	1.53	7.01	2.0	9.9	6.6	5.19	.65	38.7	16.7	23.93	10.92	5.04	5.4	23.1	12.5	5.0	5.0	5.0
1921	17.3	12.0	26.3	10.0	37.2	24.9	11.9	24.6	.70	.97	1.25	5.69	2.0	9.6	6.6	5.5	.47	38.0	21.6	37.45	10.72	5.95	5.4	23.1	9.3	5.3	5.3	5.3
1922	14.4	11.7	27.5	11.4	43.9	26.2	12.6	26.5	.87	.91	1.15	5.40	2.2	10.7	6.6	5.9	1.07	32.9	29.6	46.24	10.91	5.45	3.2	16.3	9.0	5.9	5.9	5.9
1923	14.2	11.9	26.5	10.8	41.5	26.0	13.3	22.6	.97	1.10	1.43	5.70	2.1	10.6	6.6	5.9	.98	29.9	27.7	41.25	11.17	4.66	3.2	16.3	9.0	5.9	5.9	5.9
1924	20.1	16.0	30.1	11.8	45.1	26.3	13.1	25.9	1.12	1.30	1.72	7.65	2.1	10.4	6.6	5.9	.98	33.3	24.2	38.97	11.49	4.39	4.4	15.3	9.0	5.9	5.9	5.9
1925	18.4	16.5	28.8	12.5	46.1	28.6	15.5	28.6	.86	1.03	1.46	7.02	1.6	10.6	6.6	5.9	.92	27.9	17.4	35.97	11.42	4.43	4.4	14.8	10.9	5.9	5.9	5.9
1926	21.4	14.3	27.0	12.8	46.3	30.1	13.5	32.9	.85	1.19	1.42	6.65	1.8	8.7	6.6	5.9	.60	27.9	16.9	33.51	11.09	4.44	4.4	10.7	10.0	5.9	5.9	5.9
1927	18.4	14.3	27.0	12.8	46.3	30.1	13.5	32.9	.85	1.19	1.42	6.65	1.8	8.7	6.6	5.9	.60	27.9	16.9	33.51	11.09	4.44	4.4	10.7	10.0	5.9	5.9	5.9
1928	16.5	14.2	30.4	12.7	47.7	30.7	13.0	36.3	1.02	1.20	1.25	6.23	2.3	9.0	5.9	4.40	.53	26.8	20.1	37.50	10.96	4.12	4.4	10.7	10.0	5.9	5.9	5.9

¹ Per gallon prior to 1910. Approximately 7½ pounds = 1 gallon.

² Barrels of 280 pounds.

Source: Bureau of Foreign and Domestic Commerce.

No. 352.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT ARTICLES IMPORTED INTO THE UNITED STATES

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NOTE.—The values are required by law to represent the values of the goods in the foreign markets whence exported to the United States. "Ton" signifies long ton of 2,240 pounds. The averages are obtained by dividing the total value of imports of the specified article by the total quantity, and as in some commodities there may be considerable variations in price between different grades, methods of packing, etc., and as the proportions of the grades, etc., may vary from year to year, the averages in such cases may show the actual price movements only roughly

Year ended—	Cheese, per pound	Fish, cured, per barrel (200 pounds)		Hides and skins, per pound		Rice, per pound	Wheat, per bushel	Copra, per pound	Flax-seed, per bushel	Cocoa, per pound	Coffee, per pound	Tea, per pound	Cane sugar, per pound	Rubber, crude, per pound	Shellac, per pound	Tobacco, leaf, per pound		Cotton, unmanufactured, per pound	Jute and butts, per ton	Flax, per ton
		Herring	Mackerel	Goat	Cattle											Cigar wrappers	Other leaf			
June 30—	Cents	Dollars	Dollars	Cents	Cents	Cents	Dollars	Cents	Dollars	Cents	Cents	Cents	Cents	Cents	Cents	Dollars	Cents	Cents	Dollars	Dollars
1902	14.9	6.91	10.60	28.9	11.8	2.1	0.66	—	1.52	13.0	6.5	12.4	1.81	49.4	17.7	0.89	42.73	11.9	34.49	269.55
1903	15.4	7.37	14.73	29.3	12.3	2.2	.82	—	1.50	12.3	6.5	14.4	1.71	55.3	23.4	.74	45.36	14.5	42.14	248.63
1904	14.5	6.58	13.86	27.8	12.9	2.5	1.10	—	.95	12.3	7.0	16.2	1.94	68.5	32.1	.76	47.52	17.5	42.43	251.10
1905	14.6	6.50	12.12	27.6	13.2	2.5	.89	—	1.08	11.6	8.8	15.8	2.64	74.2	35.0	.74	48.77	15.6	45.82	279.44
1906	15.8	7.47	12.19	28.6	14.0	2.5	.82	—	1.41	10.9	8.6	15.6	2.14	78.0	32.4	.96	52.16	15.3	62.05	266.62
1907	16.9	7.50	12.28	31.3	15.3	3.0	.83	4.3	1.38	14.5	7.9	16.1	2.11	76.6	32.7	1.14	54.55	19.0	85.66	280.41
1908	17.2	6.78	13.74	27.2	12.2	2.9	.97	3.4	1.25	17.2	7.6	17.3	2.37	53.8	31.0	1.06	63.41	19.9	60.49	263.93
1909	16.5	6.80	10.47	25.0	12.4	2.7	.89	2.8	1.40	11.4	7.5	16.2	2.30	69.8	20.3	.95	65.59	18.7	46.06	257.57
1910	17.3	6.96	10.43	26.6	14.7	2.6	.82	3.6	1.71	10.5	7.9	16.0	2.59	100.0	13.2	.98	52.91	18.4	54.70	277.10
1911	17.4	7.24	9.50	25.0	14.4	2.8	.94	4.1	2.04	10.5	10.2	17.2	2.45	105.8	14.9	1.08	53.63	21.8	72.33	342.47
1912	18.9	7.79	12.19	24.4	15.3	2.4	.82	4.4	1.90	10.9	13.3	18.0	2.81	84.4	12.2	1.25	51.17	18.4	71.12	346.65
1913	18.6	8.24	10.35	25.7	17.3	3.7	.70	4.5	1.54	12.4	13.8	18.4	2.18	79.5	13.9	1.29	45.33	18.9	74.01	318.01
1914	17.3	7.21	10.98	26.2	18.6	3.2	.89	5.3	1.22	11.8	11.1	18.4	2.60	54.0	16.1	1.23	50.44	15.7	105.38	290.37
1915	18.7	6.57	12.37	24.3	18.3	2.4	1.10	3.8	1.25	11.9	9.5	18.1	3.21	48.3	12.5	1.23	46.44	12.5	56.26	399.60
1916	23.5	7.86	13.65	27.2	20.3	2.4	1.02	4.1	1.38	14.4	9.6	28.8	3.70	57.9	12.8	1.43	40.45	17.2	73.07	505.59
1917	30.8	9.44	16.14	52.5	25.9	2.8	1.74	5.1	2.03	11.8	10.1	18.6	4.33	56.8	23.4	1.34	47.23	27.5	87.50	535.00
1918	41.5	16.57	12.48	47.4	25.3	3.5	2.02	5.5	2.56	10.3	9.0	20.4	4.82	52.1	41.5	1.21	53.37	34.9	92.11	1,037.72
Dec. 31—																				
1919	35.9	13.65	25.90	71.5	30.8	7.0	1.88	6.4	3.16	14.8	19.6	24.9	5.60	40.2	48.6	1.40	83.10	41.0	134.51	904.21
1920	35.4	12.49	18.81	110.5	31.1	10.3	2.10	6.6	3.03	15.8	10.5	27.0	12.59	42.9	80.8	1.80	89.93	46.2	100.93	566.77
1921	32.3	11.05	15.32	37.8	12.9	3.4	1.54	3.9	1.66	7.6	10.7	18.6	3.94	17.3	48.9	2.00	52.84	23.7	93.08	566.91
1922	31.4	10.21	17.34	40.5	14.5	2.4	1.15	3.7	2.09	9.3	12.9	24.5	2.59	15.1	59.3	2.04	74.67	25.6	107.38	575.03
1923	32.4	9.95	15.91	43.9	16.0	3.3	.99	4.0	2.01	8.2	13.5	24.5	4.33	26.7	69.7	2.35	80.70	36.4	128.33	511.69
1924	29.2	12.09	17.37	39.3	13.1	4.0	1.00	4.4	1.81	7.8	17.6	29.3	4.39	23.7	53.5	2.56	97.77	30.3	114.02	515.19
1925	27.8	13.30	15.60	40.7	16.0	4.7	1.39	5.0	2.40	10.0	22.3	31.2	2.75	48.4	51.0	2.34	80.18	33.7	190.69	630.59
1926	26.9	12.09	12.05	44.6	14.7	4.5	1.39	5.1	1.84	10.0	21.6	32.7	2.47	54.6	33.6	2.25	75.43	25.5	215.06	478.07
1927	30.7	12.69	13.10	43.6	17.4	4.4	1.31	4.6	1.74	13.4	13.4	31.6	3.06	35.6	41.4	2.15	64.94	22.2	131.52	479.08
1928	30.3	12.98	13.96	46.0	23.1	4.2	1.17	4.5	1.78	12.4	21.3	30.3	2.68	25.0	42.4	2.66	63.64	24.9	129.45	698.47

AVERAGE IMPORT VALUES

Year ended—	Hemp, per ton	Manila, per ton	Jute bur- laps, per pound	Wool, per pound			Silk, raw, per pound	Pulp- wood, per cord	Boards, planks, deals, per M feet	Wood pulp, per ton	Print- ing paper, per pound	Bitumi- nous coal, per ton	Petro- letum, crude, per gallon	Bar iron, per pound	Tin plates, terne- plates, per pound	Copper, pigs, ingots, bars, per pound	Tin, bars, blocks, pigs, per pound	Sodi- um nitrate, per ton
				Carpet	Cloth- ing	Comb- ing												
June 30—	Dollars	Dollars	Cents	Cents	Cents	Cents	Dollars	Dollars	Dollars	Dollars	Cents	Dollars	Cents	Cents	Cents	Cents	Cents	Dollars
1902	167.48	186.97	9	12	18	3.31	13.93	30.74	2.74	2.2	3.0	14.6	24.53	28.94				
1903	166.96	192.30	10	13	19	3.59	14.80	28.98	2.93	1.9	2.9	12.4	26.83	30.69				
1904	143.06	173.96	12	19	22	3.52	15.07	24.88	2.59	2.0	2.7	12.3	26.60	31.54				
1905	160.10	195.99	5.5	13	23	3.34	15.35	26.87	2.44	1.9	2.8	13.6	27.55	34.31				
1906	170.55	187.90	6.5	14	24	3.64	15.60	29.16	2.40	1.9	2.8	15.1	33.32	35.08				
1907	176.00	199.51	8.2	15	26	4.20	4.29	17.40	29.79	2.48	1.9	3.3	19.8	39.70				
1908	174.92	171.05	7.4	15	22	4.13	5.40	19.23	30.79	2.59	2.0	3.0	16.3	32.72				
1909	153.45	115.60	5.9	11	21	3.38	5.96	18.85	31.47	2.4	2.85	1.8	2.7	13.3				
1910	161.89	112.78	5.0	13	24	3.21	6.39	18.35	31.11	2.1	2.75	1.8	2.8	12.9				
1911	177.78	116.04	5.3	13	23	3.25	6.40	18.49	28.42	2.4	2.83	2.0	3.2	11.9				
1912	219.75	116.74	6.6	13	24	3.11	6.47	17.45	29.78	2.4	2.85	1.9	4.3	12.7				
1913	193.67	171.08	8.9	14	23	3.15	6.71	17.34	32.14	2.4	2.77	1.5	2.0	3.4				
1914	177.34	196.82	8.6	17	25	3.42	6.75	19.05	33.49	2.4	2.71	1.5	2.0	3.0				
1915	217.73	180.12	7.0	17	23	3.09	6.67	18.95	33.82	2.4	2.90	1.4	1.9	3.3				
1916	252.45	178.31	9.0	22	28	29	3.61	6.51	18.97	33.27	2.4	2.69	1.4	2.8				
1917	268.02	225.60	10.8	29	36	39	4.61	6.78	20.86	60.71	3.1	3.23	1.4	4.1				
1918	463.40	352.99	13.3	40	54	62	4.69	9.46	25.49	62.66	4.2	4.42	1.3	4.8				
Dec. 31—																		
1919	561.59	280.95	14.9	38	51	69	7.35	9.99	32.38	65.24	3.5	5.48	1.2	5.1				
1920	411.75	304.09	15.6	32	51	58	9.48	13.62	42.73	110.50	4.7	6.06	1.3	6.1				
1921	255.56	184.71	8.7	12	22	20	5.71	14.23	35.06	63.30	3.0	6.56	1.3	4.7				
1922	232.40	124.89	9.4	17	25	29	7.21	10.53	29.54	56.29	3.5	5.92	1.3	2.8				
1923	288.51	130.32	11.2	21	37	38	7.92	9.95	31.75	60.52	3.7	6.03	1.6	2.6				
1924	345.50	175.54	10.3	24	46	47	6.39	10.24	30.11	55.71	3.7	5.73	2.3	2.7				
1925	458.87	290.51	13.6	30	46	53	6.21	10.20	30.33	55.09	3.6	4.90	2.9	2.0				
1926	373.73	283.92	13.7	26	35	39	5.91	10.25	28.79	59.01	3.3	4.85	3.1	2.3				
1927	309.08	255.49	11.8	26	24	37	5.27	10.32	27.82	57.37	3.3	4.98	3.2	2.0				
1928	341.41	202.74	12.9	25	44	44	4.87	10.45	27.23	53.27	3.2	4.91	2.7	2.9				

Source: Bureau of Foreign and Domestic Commerce.

15.—WAGES, HOURS OF LABOR, AND EMPLOYMENT

No. 353.—WAGES AND HOURS OF LABOR: AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR IN SPECIFIED MANUFACTURING INDUSTRIES

NOTE.—"The general index" (based on 1913=100) covers all occupations of industry or branch of industry indicated, including various occupations not shown separately. For hours of labor in mines and quarries see Table 725; also consult index under "Wages" for data in other sections

TEXTILES

Year	Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
Cotton goods																				
	Weavers, male		Weavers, female		Spinners, frame, male		Spinners, frame, female		Speeder tenders, male		Speeder tenders, female		General index ¹							
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.						
1910.....	58.8	0.151	57.8	0.147	57.2	0.130	50.0	0.108	61.4	0.131	57.8	0.133	102.1	87.5						
1913.....	57.6	0.170	56.7	0.164	56.9	0.143	57.8	0.128	59.8	0.145	56.5	0.143	100.0	100.0						
1916.....	56.7	0.205	55.7	0.201	56.0	0.164	57.2	0.149	58.5	0.174	55.6	0.188	98.6	120.6						
1918.....	56.2	0.301	55.4	0.285	54.3	0.248	56.1	0.233	58.2	0.266	55.0	0.277	97.0	179.9						
1920.....	51.8	0.573	50.3	0.528	50.7	0.475	51.8	0.427	54.2	0.533	50.2	0.486	80.7	323.5						
1922.....	52.6	0.389	51.6	0.380	53.4	0.292	52.6	0.301	54.1	0.358	51.0	0.369	91.5	222.4						
1924.....	52.8	0.449	51.8	0.420	53.2	0.369	53.1	0.319	54.3	0.404	51.2	0.411	91.8	250.7						
1926.....	53.2	0.396	51.9	0.375	55.1	0.289	53.5	0.282	55.1	0.343	51.0	0.368	92.3	221.0						
1928.....	53.4	0.302	52.2	0.371	57.8	0.339	52.0	0.276	55.1	0.345	51.2	0.359	92.6	218.3						
Men's clothing																				
	Cutters, cloth, male		Pressers, coat, male		Operators, coat, male		Operators, cont, female		Hand sewers, coat, female		Basters, coat, male		General index ¹							
1911.....	49.0	0.408	55.1	0.240	55.9	0.264	54.2	0.195	54.8	0.155	55.3	0.220	104.6	88.7						
1913.....	49.0	0.433	52.3	0.291	52.5	0.305	62.1	0.199	52.1	0.179	52.5	0.267	100.0	100.0						
1919.....	47.7	0.625	47.8	0.541	47.6	0.591	48.1	0.361	47.8	0.334	47.5	0.511	82.6	173.5						
1922.....	44.0	1.033	44.1	0.869	44.1	0.962	43.9	0.693	44.2	0.526	44.3	0.848	85.3	283.7						
1924.....	44.2	1.111	44.2	0.934	44.1	1.033	43.6	0.614	44.1	0.555	44.4	0.889	85.3	295.8						
1926.....	44.2	1.123	44.3	0.933	44.1	1.034	44.4	0.638	44.4	0.545	44.3	0.925	85.7	291.2						
1928.....	43.8	1.129	44.0	0.912	44.2	1.016	43.3	0.632	43.9	0.527	44.2	0.905	85.1	284.4						
Woolen and worsted goods																				
	Weavers, male		Weavers, female		Spinners, mule, male		Spinners, frame, female		Burlers, female		Laborers, dyehouse, male		General index ¹							
1910.....	57.1	0.207	56.3	0.180	57.0	0.224	56.0	0.122	56.5	0.130	56.3	0.143	101.3	90.4						
1913.....	56.3	0.232	56.0	0.197	56.5	0.239	55.5	0.140	55.6	0.146	55.6	0.159	100.0	100.0						
1916.....	54.9	0.304	54.5	0.271	55.3	0.316	53.9	0.180	54.6	0.185	55.0	0.197	97.3	126.7						
1918.....	54.5	0.470	54.1	0.406	54.9	0.499	52.4	0.278	54.1	0.276	54.7	0.304	97.0	192.6						
1920.....	48.3	0.807	48.3	0.747	48.2	0.816	48.2	0.481	48.4	0.452	48.3	0.564	86.2	353.7						
1922.....	48.3	0.616	48.4	0.676	49.2	0.670	48.4	0.345	48.2	0.371	48.9	0.435	87.1	297.9						
1924.....	48.8	0.701	48.9	0.654	48.6	0.755	48.9	0.447	49.2	0.420	49.2	0.490	87.7	300.2						
1926.....	48.9	0.652	49.2	0.600	49.7	0.695	49.8	0.362	49.3	0.381	49.4	0.445	88.0	276.5						
1928.....	48.9	0.658	48.8	0.605	49.5	0.684	49.7	0.383	49.3	0.383	49.1	0.463	88.0	289.5						
Hosiery and underwear																				
	Boarders, hosiery, male		Finishers, underwear, female		Knitters, web or tube underwear, male		Knitters, transfer, hosiery, female		Loopers, hosiery, female		Seamers, underwear, female		General index ¹							
1910.....	57.0	0.193	57.9	0.150	58.0	0.201	57.5	0.121	57.3	0.133	57.8	0.143	104.2	82.0						
1913.....	55.8	0.219	54.7	0.184	55.4	0.249	56.0	0.149	56.0	0.150	54.5	0.176	100.0	100.0						
1919.....	52.5	0.450	51.9	0.397	52.9	0.407	53.0	0.272	52.2	0.296	51.3	0.287	94.2	183.1						
1922.....	51.3	0.462	50.2	0.327	51.8	0.443	50.7	0.293	50.8	0.327	50.3	0.325	91.0	213.0						
1924.....	51.9	0.531	49.8	0.377	51.3	0.523	50.8	0.344	50.8	0.364	50.3	0.372	91.3	246.1						
1926.....	53.4	0.481	50.3	0.358	52.0	0.534	52.5	0.298	52.4	0.371	50.2	0.374	92.4	268.6						
1928.....	53.8	0.521	50.2	0.341	52.2	0.490	53.1	0.294	53.0	0.385	50.2	0.355	92.4	267.2						

¹ Includes occupations shown, together with other occupations in the industry.

No. 353.—WAGES AND HOURS OF LABOR, ETC.—Continued

ROOTS AND SHOES

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Cutters, hand, male		Treeers, male		Vampers, female		Bed-machine operators, male		Top stitchers, female		Lining makers, female		General index ¹	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910.....	56.3	0.319	55.9	0.259	56.9	0.238	56.4	0.311	56.3	0.188	56.5	0.164	102.7	92.0
1913.....	54.5	0.351	55.3	0.282	54.7	0.246	55.2	0.330	54.0	0.212	54.6	0.190	100.0	100.0
1916.....	53.9	0.375	54.9	0.201	53.9	0.254	55.0	0.349	54.0	0.220	53.9	0.198	99.1	107.5
1918.....	52.0	0.484	52.3	0.403	51.7	0.312	52.1	0.600	51.6	0.285	51.5	0.241	94.9	139.7
1920.....	47.8	0.820	48.3	0.677	48.8	0.506	48.7	0.789	48.5	0.448	48.0	0.378	88.2	232.0
1922.....	48.3	0.787	48.0	0.577	48.0	0.480	48.9	0.668	48.8	0.433	48.8	0.362	88.4	207.9
1924.....	48.4	0.838	48.8	0.624	49.4	0.519	49.1	0.692	49.3	0.462	49.3	0.369	88.9	214.1
1926.....	48.9	0.808	49.2	0.611	49.1	0.531	49.1	0.700	49.3	0.408	49.3	0.413	88.9	219.1
1928.....	48.0	0.824	49.2	0.624	49.3	0.505	49.2	0.682	49.4	0.461	49.2	0.398	89.2	220.3

IRON AND STEEL

Year	Blast furnaces												General index ¹	
	Stockers		Larrymen		Blowers		Keepers		Keepers' helpers		Laborers			
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1913.....	78.0	0.192	82.3	0.217	82.2	0.332	82.0	0.235	82.3	0.186	72.5	0.171	100	100
1915.....	74.0	0.188	78.0	0.211	80.6	0.336	79.4	0.232	80.1	0.182	71.3	0.171	97	101
1917.....	77.4	0.295	77.2	0.327	77.8	0.435	77.4	0.344	77.6	0.292	75.3	0.281	(?)	(?)
1919.....	73.1	0.465	80.4	0.542	79.8	0.755	80.6	0.652	80.2	0.480	77.9	0.467	(?)	(?)
1920.....	75.5	0.527	73.8	0.636	73.2	0.808	73.3	0.655	74.5	0.522	72.3	0.474	94	279
1922.....	74.4	0.352	75.1	0.402	72.4	0.678	75.3	0.420	75.3	0.349	67.7	0.815	94	194
1924.....	60.5	0.465	57.7	0.543	58.3	0.889	57.1	0.579	58.0	0.475	62.4	0.401	78	254
1926.....	60.1	0.465	57.9	0.551	58.5	0.902	57.4	0.577	59.1	0.471	62.4	0.389	78	252

Year	Open-hearth furnaces												General index ¹	
	Stockers		Charging-machine operators		Melters' helpers, first		Steel pourers		Ladle crannemen		Laborers			
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1913.....	77.8	0.197	78.0	0.335	77.1	0.440	77.0	0.370	77.2	0.341	76.2	0.187	100	100
1915.....	77.3	0.199	77.7	0.330	75.5	0.437	75.7	0.356	76.0	0.327	70.8	0.180	97	104
1917.....	77.4	0.295	77.1	0.467	76.3	0.588	76.0	0.466	76.4	0.466	74.4	0.292	(?)	(?)
1919.....	75.7	0.506	75.3	0.753	74.9	0.966	73.2	0.796	75.6	0.733	76.2	0.468	(?)	(?)
1920.....	70.9	0.673	67.2	0.895	69.4	1.089	68.0	0.920	68.3	0.837	68.5	0.525	90	283
1922.....	73.9	0.379	72.2	0.625	71.4	0.775	70.4	0.645	72.9	0.588	67.9	0.354	92	203
1924.....	58.2	0.840	56.3	0.803	55.5	1.064	56.5	0.837	55.2	0.832	59.0	0.434	76	268
1926.....	57.8	0.535	55.7	0.951	55.3	1.170	55.6	0.889	54.9	0.900	59.2	0.429	74	286

Year	Bar mills												General index ¹	
	Stockers		Rollers		Roughers		Finishers		Hotbed men		Laborers			
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1913.....	60.2	0.216	59.3	0.955	59.8	0.436	59.6	0.350	60.3	0.217	62.5	0.169	100	100
1915.....	60.2	0.193	59.4	0.944	58.9	0.438	59.8	0.352	60.0	0.216	62.9	0.173	100	92
1918.....	63.7	0.324	61.3	1.821	60.7	0.933	61.6	0.766	59.4	0.545	66.1	0.443	(?)	(?)
1920.....	61.5	0.612	59.5	1.919	57.8	1.034	60.0	0.806	58.3	0.618	65.1	0.606	100	248
1922.....	59.2	0.420	58.4	1.416	57.3	0.709	57.9	0.638	58.3	0.499	64.5	0.316	100	163
1924.....	56.0	0.502	53.9	1.577	54.7	0.810	54.0	0.749	58.8	0.538	67.5	0.392	90	203
1926.....	54.2	0.519	53.2	1.609	53.2	0.847	53.0	0.848	53.0	0.504	55.0	0.411	80	205

¹ Includes occupations shown, together with other occupations in the industry.² Not available. Data were collected for a group of selected occupations only in 1917 and 1919.

No. 353.—WAGES AND HOURS OF LABOR, ETC.—Continued

IRON AND STEEL—Continued

Year	Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour	
	Tin-plate mills															
	Rollers		Roughers		Doublers		Heaters, level-handed		Tinner		Assorters, female		General index ¹			
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1913	42.7	1.139	42.7	0.533	42.7	0.740	42.7	0.595	43.6	0.433	53.7	0.163	100	100		
1915	42.7	1.106	42.7	.562	42.7	.718	42.7	.611	43.3	.442	55.4	.162	109	103		
1919	42.7	2.248	42.7	1.193	42.7	1.408	42.7	1.273	43.0	.977	48.5	.417	(²)	(²)		
1920	42.7	2.542	42.7	1.363	42.7	1.655	42.7	1.466	42.9	1.114	46.9	.465	110	223		
1922	42.7	1.701	42.7	.893	42.7	1.046	42.7	1.001	43.3	.796	43.3	.365	108	166		
1924	42.7	2.099	42.7	1.150	42.7	1.243	42.7	1.229	43.4	.976	43.6	.422	106	191		
1926	42.7	1.635	42.7	.902	42.7	.787	42.7	.917	43.5	.840	43.4	.384	104	109		

GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL

Year	Bessemer converters		Puddling mills		Blooming mills		Plate mills		Standard-rail mills		Sheet mills	
	Hours per week	Dolls.	(³)	(³)	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1913	100	100			100	100	100	100	100	100	100	100
1915	93	93	98	98	97	101	98	106	100	97	100	93
1920	100	238	101	270	92	240	98	263	86	249	96	215
1922	98	165	98	151	63	178	95	187	87	185	98	144
1924	75	220	105	220	75	231	82	220	81	226	90	197
1926	75	226	98	200	74	237	80	238	78	234	93	167

FOUNDRIES⁴

Year	Core makers, males		Core makers, females		Laborers, males		Molders, hand, floor, males		Pattern makers, males		Employees in all occupations			
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Males		Females	
1923	51.4	0.690	49.2	0.431	53.5	0.428	51.2	0.729	51.1	0.750	52.4	0.590	49.3	0.404
1925	60.3	.734	48.6	.444	52.5	.481	50.4	.802	50.4	.804	51.5	.612	49.0	.427
1927	50.4	.755	48.4	.491	52.1	.491	49.9	.820	50.3	.830	51.1	.620	49.0	.450

MACHINE SHOPS⁴

Year	Assemblers, males		Fitters and bench hands, males		Laborers, males		Lathe hands and operators, engine, males		Machinists, males		Employees in all occupations			
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Males		Females	
1923	50.6	0.575	49.9	0.616	51.1	0.418	50.9	0.633	50.0	0.633	50.8	0.560	49.1	0.366
1925	49.6	.634	49.8	.643	50.6	.450	50.3	.663	49.9	.702	50.4	.604	49.3	.420
1927	50.1	.653	49.5	.662	50.4	.456	50.2	.695	49.5	.728	50.1	.629	48.9	.493

AUTOMOBILE⁴

Year	Assemblers, chassis, males		Assemblers, motor, males		Gear-cutter operators, males		Grinding-machine operators, males		Tool and die makers, males		Employees in all occupations			
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Males		Females	
1922	50.2	0.647	50.0	0.661	50.2	0.673	50.0	0.710	50.0	0.769	50.1	0.662	50.3	0.433
1925	49.9	.694	49.8	.747	50.6	.746	50.1	.765	50.2	.875	50.3	.729	50.1	.467
1928	49.0	.753	50.1	.762	49.5	.760	48.8	.792	48.6	.919	49.4	.756	50.3	.457

¹ Includes occupations shown, together with other occupations in the industry.

² Not available. Data were collected for a group of selected occupations only in 1919.

³ No data.

⁴ Data are not collected annually, but at intervals, and are available only for the years specified.

No. 353.—WAGES AND HOURS OF LABOR, ETC.—Continued
LUMBER

Year	Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour			
	Hours per week	Dolls. (c)	Hours per week	Dolls. (c)	Hours per week	Dolls. (c)	Hours per week	Dolls. (c)	Hours per week	Dolls. (c)	Hours per week	Dolls. (c)	Hours per week	Dolls. (c)	Hours per week	Dolls. (c)		
	Doggers				Setters				Sawyers, head, band		Edgemen		Trimmer operators		Laborers		General index ¹	
1910.....	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	61.2	0.543	61.2	0.255	61.0	0.209	61.3	0.166	100	97				
1913.....	61.2	0.184	61.0	0.268	60.9	0.557	61.0	0.268	61.0	0.217	61.1	0.171	100	100				
1915.....	61.3	0.178	61.2	0.239	61.0	0.539	61.0	0.252	61.1	0.203	61.3	0.157	100	91				
1919.....	57.1	0.358	57.0	0.440	57.5	0.768	57.5	0.450	57.3	0.405	57.2	0.345	92	194				
1921.....	58.1	0.369	57.6	0.412	57.8	0.797	57.5	0.437	57.0	0.380	57.2	0.285	94	166				
1923.....	57.6	0.343	57.0	0.474	57.0	0.883	57.1	0.492	56.9	0.430	57.5	0.310	94	180				
1925.....	58.2	0.352	57.6	0.458	57.7	0.877	57.8	0.408	57.7	0.409	57.5	0.309	94	173				
1928.....	57.6	0.336	56.6	0.468	56.7	0.887	56.7	0.470	55.8	0.429	56.9	0.303	91	185				

SLAUGHTERING AND MEAT PACKING

Year	Cattle killing										Hog killing			
	Headers, male		Leg breakers, male		Floormen or siders, male		Gutters and bung droppers, male		Splitters, male		Laborers, male		Stickers, male	
	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)
1917.....	47.6	0.334	47.8	0.318	49.0	0.563	47.8	0.319	47.8	0.591	47.8	0.238	49.6	0.357
1921.....	47.6	0.645	47.8	0.574	49.0	0.848	47.8	0.578	47.8	0.355	47.8	0.471	49.6	0.611
1923.....	52.1	0.627	52.8	0.529	52.6	0.849	52.5	0.554	52.5	0.857	52.2	0.436	53.0	0.652
1925.....	50.0	0.641	49.9	0.598	49.9	0.856	50.1	0.575	50.0	0.855	50.2	0.442	51.8	0.627
1927.....	49.0	0.662	49.1	0.556	49.2	0.877	49.0	0.587	49.1	0.876	49.4	0.451	50.3	0.631
Hog killing—Continued											All departments ⁷			
	Scalders, male ⁸		Shavers and scrapers, male		Gutters, bung droppers, and rippers—open, male		Splitters, male		Laborers, male ⁹		All males		All females	
	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)	(⁶)	Dolls. (c)
1917.....	48.8	0.295	48.9	0.290	48.7	0.337	48.8	0.364	48.8	0.237	48.4	0.271	48.3	0.178
1921.....	52.1	0.516	52.5	0.502	52.4	0.534	52.3	0.621	52.2	0.451	52.4	0.511	52.8	0.365
1923.....	52.1	0.496	52.5	0.497	52.4	0.572	52.3	0.627	52.2	0.444	52.2	0.499	52.8	0.501
1925.....	51.9	0.514	51.4	0.523	51.9	0.390	51.5	0.635	51.7	0.433	50.2	0.507	49.4	0.359
1927.....	50.5	0.521	50.6	0.535	50.4	0.589	50.1	0.630	50.1	0.442	49.3	0.520	49.1	0.364

¹ Includes occupations shown together with other occupations in the industry. ⁸ No data.
² Data for doggers and setters combined are shown as carriage men prior to 1911.
⁶ Not including data for 1 establishment in which employees are paid biweekly.
⁷ Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting or fresh beef, cutting or fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.
⁸ Includes tub men, droppers, garab cutters, polemen, and duckers.
⁹ Includes drivers, penners, steamers, singers, washers, aitchbone breakers, and toe pullers.

No. 354.—WAGES PER HOUR IN THE COAL-MINING INDUSTRY

NOTE.—Practically all mines operate on a 48-hour week, but contract miners and their laborers in anthracite mines, and loaders, hand or pick miners, and machine miners in bituminous mines, generally work less hours. General averages are weighted according to relative importance of the different occupations. Data are not collected annually, but at intervals, and are available only for the years specified

Industry and occupation	1922	1924	Industry and occupation	1922	1924	1926
Anthracite:¹			Bituminous:			
Average wages, (cents per hour)—			Average wages, (cents per hour)—			
General average.....	79.5	85.7	General average ²	85.3	78.8	70.3
Contract miners.....	117.3	143.2	Brakemen ¹	77.9	71.0	68.7
Laborers.....	82.9	97.1	Drivers ¹	82.4	74.8	70.8
Drivers.....	58.0	65.2	Loaders, hand ²	90.2	81.1	77.9
Company miners.....	69.7	79.5	Miners, hand or pick ³	84.0	80.8	78.3
Laborers.....	62.9	69.6	Miners, machine ³	127.4	116.3	119.5
Trackmen.....	67.5	74.1	Trackmen ¹	82.6	73.7	70.5

¹ Based on hours actually worked, excluding lunch time.
² Based on a combination of hours at place of work in mine, including lunch time for loaders and miners, and hours actually worked for all other employees.
³ Based on hours actually worked, plus lunch time.
 Source of Tables 353 and 354: Bureau of Labor Statistics, Department of Labor.

No. 355.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN SUNDRY INDUSTRIES

NOTE.—The averages for wages are weighted according to the relative importance of the different occupations in the industry. Data are not collected annually, but at intervals, and are available only for the years specified

Year and industry	Hours, average		Wages, average		Year and industry	Hours, average		Wages, average	
	Males	Fe-males	Males	Fe-males		Males	Fe-males	Males	Fe-males
1923			<i>Cents</i>	<i>Cents</i>	1927			<i>Cents</i>	<i>Cents</i>
Automobile tire.....	49.6	49.0	74.1	46.0	Aluminum, brass, and copper wares.....	52.2	52.6	57.9	85.5
Paper and pulp mills:					Brass and copper sheet, rod, tube, wire and shape mills.....	53.8	54.7	55.6	84.8
Pulp.....	52.8	49.7	46.9	33.4	Batteries and small motors:				
Book paper.....	51.4	51.5	52.7	31.9	Dry cell.....	49.5	49.3	54.1	41.0
Newsprint.....	49.3	50.3	52.9	32.9	Storage.....	48.6	49.2	59.8	39.2
Wrapping paper.....	52.4	52.7	52.8	30.2	Motors (H. P. or less).....	48.9	48.0	64.2	42.9
Writing paper.....	51.3	51.2	55.1	37.9	Radio manufacture:				
1924					Receiving sets.....	48.5	48.3	59.0	38.4
Metalliferous mines.....	53.0		55.9		Speakers.....	48.4	48.3	55.5	39.9
1925					Tubes.....	48.9	48.5	60.2	40.7
Paper box board.....	54.3	53.9	51.8	28.3	Cotton compresses.....	56.2	55.9	31.6	13.2
Potteries:					Cottonseed-oil mills.....	70.9	(1)	24.0	(2)
Semivitreous.....	(1)	(1)	70.5	38.5	Cotton gins.....	60.2	(3)	29.3	(3)
Vitreous.....	(1)	(1)	63.8	32.9					

¹ The normal or customary hours of operation of the great majority of the potteries included in the study are 9 hours per day and 54 hours per week. Working hours in a pottery, however, are more nominal than normal, as so many employees are pieceworkers and to quite an extent determine their own time.

² All female workers were "Colored."

³ No females employed in the plants covered.

Source: Bureau of Labor Statistics, Department of Labor.

No. 356.—WAGES OF COMMON LABOR IN ROAD BUILDING: CENTS PER HOUR

NOTE.—The current data beginning January, 1922, are compiled directly from Federal-aid project reports. Earlier data included reports on farm labor or other farms of common labor closely correlated, as reported to the Department of Agriculture and the Department of Labor

Year and month	United States, average	New England	Middle Atlantic	South Atlantic	East South Central	West South Central	East North Central	West North Central	Mountain	Pacific
Monthly average:										
1915.....	20	20	20	14	12	16	21	25	25	26
1916.....	23	25	24	16	13	17	24	28	29	28
1917.....	28	31	30	21	17	21	29	34	36	36
1918.....	36	39	38	27	23	28	39	46	44	45
1919.....	41	41	41	32	28	36	45	53	47	52
1920.....	49	49	50	37	32	40	53	62	55	60
1921.....	36	38	35	26	25	28	35	45	46	50
1922.....	32	39	37	21	20	24	31	31	37	48
1923.....	38	51	45	25	22	25	39	34	42	54
1924.....	38	50	45	28	24	27	40	30	41	52
1925.....	38	46	45	27	25	27	37	38	44	52
1926.....	39	50	46	30	25	27	38	26	43	62
1927.....	39	49	47	28	25	30	39	38	45	53
1928.....	40	50	44	26	26	28	39	38	46	53
1927										
March.....	39	51	51	32	24	26	39	37	42	52
June.....	39	51	46	29	25	26	38	38	44	54
September.....	40	49	46	26	25	33	40	38	46	54
December.....	39	55	46	24	24	32	42	37	46	54
1928										
March.....	38	51	48	28	28	30	41	37	42	52
June.....	40	48	42	26	26	30	37	36	45	53
September.....	43	48	42	24	25	26	38	30	52	54
December.....	39	51	44	28	26	30	41	38	46	53

Source: Bureau of Public Roads, Department of Agriculture.

No. 357.—INDEX NUMBERS OF UNION WAGE RATES AND HOURS OF LABOR

NOTE.—Index numbers subsequent to 1924 cover only the occupations listed in Table 359; for previous years they included also the metal and millwork trades. See also headnote, Table 358

[Rates and hours for 1918=100.]

Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time	Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time
1907	89.7	102.6	91.5	1918	132.7	97.0	129.6
1908	91.0	102.1	92.5	1919	154.5	94.7	147.8
1909	91.9	101.9	93.3	1920	190.0	93.8	188.5
1910	94.4	101.1	95.2	1921	205.3	94.4	193.3
1911	96.0	100.7	96.5	1922	193.1	93.0	183.0
1912	97.6	100.3	97.7	1923	210.6	94.3	198.6
1913	100.0	100.0	100.0	1924	228.1	93.0	214.3
1914	101.9	99.6	101.6	1925	237.9	93.0	222.3
1915	102.8	99.4	102.3	1926	250.3	92.8	233.4
1916	107.2	98.8	106.2	1927	250.5	92.4	240.8
1917	114.2	98.4	112.4	1928	260.6	91.9	240.6

Source: Bureau of Labor Statistics, Department of Labor.

No. 358.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS

NOTE.—The figures cover the principal cities of the United States. The relative hours are percentages showing the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes nor of overtime work. The relative wages are percentages which indicate the change in wages per hour. The figures are based on the scale prevailing May 15 each year. For absolute hourly wage rates for the same and other occupations, see Table 359. Data for the metal and millwork trades for 1924 and earlier years may be found in previous issues of this publication

[1913=100]

Year	Bakers		Building trades									
	Hours per week	Wages per hour	Bricklayers		Building laborers		Carpenters		Cement finishers		Cement finishers' helpers	
			Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	109.1	85.8	100.6	96.7	100.0	94.5	100.7	95.1	102.1	94.2	100.1	93.2
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1916	98.1	107.0	99.2	103.8	99.2	106.1	99.4	105.8	97.9	103.0	99.5	101.5
1918	96.0	142.2	98.9	115.4	97.7	137.4	98.5	126.1	96.2	120.2	99.2	123.6
1920	89.9	264.0	88.7	174.7	94.8	225.9	98.5	194.8	95.0	182.9	99.2	225.9
1921	90.3	278.7	88.7	172.7	94.7	227.7	98.4	197.8	95.0	188.4	99.2	226.2
1922	90.2	276.0	88.6	191.1	94.7	218.1	98.8	204.0	95.0	191.2	99.2	223.4
1924	90.1	283.5	88.6	202.2	94.4	242.4	98.8	218.3	95.0	211.4	99.2	248.3
1925	89.7	293.4	88.5	213.4	94.5	231.6	98.8	222.8	94.7	212.6	99.2	260.5
1926	90.5	277.2	88.5	220.4	94.7	254.9	98.8	238.4	94.7	226.9	99.2	288.0
1927	90.2	280.8	88.1	231.0	94.9	255.8	98.8	246.7	94.4	230.8	99.2	294.1
1928	89.6	285.9	88.0	239.9	94.8	257.0	98.2	247.5	93.8	234.0	99.2	281.9

Year	Building trades—Continued											
	Engineers, portable and hoisting		Hod carriers		Inside wiremen		Lathers		Marble setters		Painters	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	109.1	85.8	101.2	97.2	100.8	95.9	100.0	100.0	100.5	92.5	101.3	92.6
1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1916	9.89	102.5	98.7	104.9	98.4	107.2	99.5	106.0	99.6	102.4	99.1	113.2
1918	96.8	123.8	98.6	136.6	97.3	127.0	99.0	119.1	99.5	107.9	97.7	129.4
1920	95.8	175.6	98.1	232.4	96.2	192.0	98.1	188.9	99.1	158.4	94.7	206.0
1921	96.3	178.2	98.0	237.8	96.2	201.9	98.1	192.1	99.2	160.6	94.7	212.8
1923	95.6	185.5	98.1	215.4	96.2	197.1	98.4	199.3	99.2	178.0	95.1	218.7
1924	95.6	197.2	98.0	224.9	96.2	220.5	98.2	215.1	99.2	186.1	96.0	250.5
1925	95.9	205.7	97.9	251.5	96.2	232.4	97.9	234.5	99.2	190.0	95.3	243.1
1926	96.1	217.2	98.0	273.8	96.1	244.6	97.6	240.6	99.2	212.3	94.9	257.5
1927	97.7	224.2	98.0	280.4	96.2	254.9	97.2	250.3	99.1	217.0	94.5	266.2
1928	96.6	233.5	98.0	280.7	95.7	237.2	96.7	251.0	99.1	218.0	92.0	270.8

No. 358.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATIOS OF WAGES PER HOUR, BY OCCUPATIONS—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
Building trades—Continued												
	Plasterers		Plasterers' laborers		Plumbers and gas fitters		Sheet-metal workers		Steam fitters		Stonemasons	
1910.....	100.6	96.6	100.6	96.4	101.1	90.9	101.7	91.0	101.3	91.9	100.8	94.7
1913.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1916.....	98.4	104.7	99.1	105.0	99.1	103.0	99.3	106.9	98.5	106.2	99.7	105.5
1918.....	98.0	113.5	99.0	123.3	98.2	117.5	98.2	130.6	97.4	120.6	99.6	120.4
1920.....	97.9	170.7	98.6	213.5	97.9	172.1	97.5	193.2	97.3	178.8	99.0	183.1
1921.....	97.5	180.5	98.3	210.1	97.8	181.1	97.1	202.3	97.0	171.3	99.2	193.0
1923.....	98.1	193.2	98.4	212.0	97.7	185.6	97.1	201.9	97.0	175.6	99.2	212.5
1924.....	98.2	216.1	98.3	227.8	97.7	202.4	97.1	221.7	97.0	201.5	98.9	225.2
1925.....	97.9	219.8	98.1	243.1	97.7	206.6	97.1	229.3	97.0	212.2	98.9	230.5
1926.....	95.1	230.1	94.9	257.2	97.7	222.7	97.1	244.8	96.9	229.7	99.1	253.1
1927.....	94.7	241.0	94.9	259.7	97.6	227.2	96.8	252.2	96.8	236.2	98.9	256.0
1928.....	93.9	241.6	95.1	264.1	97.5	232.1	91.5	247.4	96.8	239.5	98.8	259.3
Building trades—Cont.												
	Structural-iron workers		Tile layers		Chauffeurs		Teamsters and drivers		Longshoremen		Granite cutters	
1910.....	101.7	92.7									101.8	93.7
1913.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1916.....	99.5	103.6	99.1	102.6	96.8	103.1	98.8	106.9	99.9	116.5	100.3	105.2
1918.....	98.9	126.5	98.8	110.8	94.0	130.9	96.6	133.2	93.3	149.0	100.2	130.1
1920.....	98.7	179.4	98.2	162.5	87.2	200.1	90.4	215.4	76.7	233.5	100.2	189.5
1921.....	98.7	184.0	98.3	161.9	87.5	202.5	88.2	223.0	76.6	236.8	100.1	209.0
1923.....	98.8	178.4	98.4	174.0	88.6	197.7	89.3	224.9	81.8	209.2	99.8	212.7
1924.....	98.7	202.5	98.4	197.5	89.1	205.6	89.5	244.7	81.8	238.5	100.2	214.2
1925.....	98.8	204.5	98.4	202.3	87.7	223.5	88.2	254.3	77.7	239.9	100.2	215.8
1926.....	98.7	218.5	98.4	212.0	85.1	226.3	89.0	256.6	76.7	242.0	100.0	244.1
1927.....	98.7	235.5	98.3	221.9	83.8	242.1	88.3	269.1	75.7	236.7	100.2	242.6
1928.....	98.7	235.7	98.0	221.8	84.0	243.2	88.2	277.1	75.6	248.6	100.2	245.3
Printing and publishing: Book and job												
	Bookbinders		Compositors		Electrotypers		Machine operators		Press assistants and feeders		Pressmen, cylinder	
1910.....	100.3	95.1	100.1	94.1	100.8	91.5	100.3	93.9	100.2	92.4	100.0	95.4
1913.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1916.....	100.0	102.0	100.0	105.3	99.7	109.8	100.0	101.6	100.0	104.5	100.0	103.7
1918.....	100.0	121.6	100.0	118.6	99.6	119.1	100.1	112.5	100.0	128.8	100.0	117.2
1920.....	100.0	204.0	100.0	190.6	99.5	195.5	100.1	174.6	99.9	227.7	100.0	184.5
1921.....	94.7	220.1	94.3	219.6	96.5	223.1	93.9	200.6	94.2	245.8	94.5	205.5
1923.....	93.4	224.0	91.4	228.5	95.9	241.6	92.2	203.8	92.5	266.2	93.0	216.7
1924.....	93.1	233.9	91.7	238.5	96.7	250.6	91.8	212.9	92.7	263.8	93.1	223.1
1925.....	93.3	236.6	91.7	237.4	96.6	249.7	92.2	211.7	92.4	278.8	92.6	225.9
1926.....	93.2	240.8	91.7	242.1	96.6	252.2	92.0	215.2	92.3	281.9	92.4	230.5
1927.....	93.0	246.0	91.7	246.6	96.6	255.2	92.2	223.0	92.2	285.3	92.4	230.9
1928.....	93.6	244.8	91.7	250.1	96.6	257.1	92.0	224.6	92.2	287.0	92.8	232.7
Printing and publishing: Newspaper												
	Pressmen, platen		Compositors, daywork		Machine operators, daywork		Machine tenders, (machinists), daywork		Pressmen, web presses, daywork		Stereotypers, daywork	
1910.....	99.8	94.9	100.4	92.7	100.5	94.8			100.3	95.5	100.5	92.1
1913.....	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0
1916.....	100.0	104.1	99.6	102.3	99.2	102.7	99.7	101.3	100.0	102.0	99.8	102.4
1918.....	100.0	120.4	99.6	110.0	99.3	110.1	99.7	108.1	99.9	118.1	99.6	109.4
1920.....	99.9	200.4	99.9	160.7	99.5	167.5	99.8	171.7	101.1	169.5	99.9	149.3
1921.....	94.7	231.7	99.5	174.9	99.2	175.5	99.8	178.5	100.6	184.1	95.1	173.9
1923.....	92.9	235.8	100.6	177.9	100.3	183.1	100.5	180.9	102.3	182.4	99.9	174.9
1924.....	93.1	242.9	99.7	189.0	99.1	193.4	99.9	191.5	100.5	199.4	99.6	180.4
1925.....	93.1	244.3	99.4	193.7	99.0	198.0	100.3	185.3	100.0	208.2	99.6	184.5
1926.....	92.3	255.8	99.3	196.7	98.9	201.6	100.2	185.2	100.3	212.2	99.6	183.1
1927.....	92.3	258.3	99.3	201.8	98.5	208.9	100.1	194.5	99.9	223.3	99.1	191.0
1928.....	92.5	253.9	98.9	208.6	98.2	213.8	100.0	198.4	99.9	224.9	99.5	191.0

Source: Bureau of Labor Statistics, Department of Labor.

No. 359.—AVERAGE UNION RATES OF WAGES PER HOUR IN TRADES SPECIFIED, FOR THE UNITED STATES, AS OF MAY 15

NOTE.—Statistics cover the principal cities of the United States. For index numbers in the principal trades, based on these rates, see Table 358

Occupation	1923	1927	1928	Occupation	1923	1927	1928
Grand average, all trades herein covered¹	<i>Dolls.</i> 0.966	<i>Dolls.</i> 1.180	<i>Dolls.</i> 1.195	PRINTING AND PUBLISHING: BOOK AND JOB			
Bakers	.921	.967	.954		<i>Dolls.</i> 0.507	<i>Dolls.</i> 0.522	<i>Dolls.</i> 0.525
BUILDING TRADES				Bindery women	.907	.996	.961
Asbestos workers	1.005	1.309	1.317	Bookbinders	1.024	1.105	1.121
Bricklayers	1.321	1.603	1.617	Compositors	1.168	1.223	1.232
Sewer, tunnel, and caisson	1.534	2.101	2.059	Electrotypers			
Building laborers	.728	.854	.858	Machine operators:			
Carpenters	1.084	1.311	1.315	Piece-work	4.150	4.150	(*)
Millwrights	1.164	1.389	1.292	Time-work	1.002	1.162	1.170
Parquetry-floor layers	1.262	1.422	1.342	Machine tenders (machinists)	1.088	1.234	1.178
Wharf and bridge	.994	1.517	1.304	Machinist operators	1.028	1.148	1.069
Cement finishers	1.113	1.379	1.360	Photo-engravers	1.043	1.276	1.312
Cement finishers' helpers	.805	1.060	1.016	Press assistants and feeders	.781	.857	.842
Composition roofers	.977	1.302	1.333	Pressmen:			
Composition roofers' helpers	.695	.750	.803	Cylinder	1.052	1.121	1.130
Elevator constructors	1.116	1.438	1.447	Platen	.859	.941	.925
Elevator constructors' helpers	.506	1.033	1.052	Average, printing and publishing, book and job	.926	1.021	1.036
Engineers, portable and hoisting	1.141	1.370	1.436	PRINTING AND PUBLISHING: NEWSPAPER			
Glaziers	1.041	1.323	1.337	Compositors:			
Hod carriers	.788	1.026	1.027	Day work	1.013	1.149	1.176
Inside wiremen	1.079	1.395	1.408	Night work	1.151	1.290	1.311
Fixture hangers	1.065	1.206	1.222	Machine operators, day work:			
Lathers:				Piece-work	4.130	4.150	4.154
Piece-work	7.720	10.336	10.457	Time-work	1.031	1.176	1.204
Time-work	1.188	1.492	1.496	Machine operators, night work:			
Marble setters	1.183	1.448	1.455	Piece-work	4.160	4.160	4.154
Marble setters' helpers	.873	.990	1.001	Time-work	1.130	1.263	1.320
Mosaic and terrazzo workers	.978	1.291	1.351	Machine tenders (machinists):			
Painters:				Day work	1.064	1.144	1.167
Building	1.105	1.349	1.372	Night work	1.179	1.275	1.300
Fresco	1.125	1.335	1.235	Machinist operators:			
Sign	1.330	1.566	1.568	Day work	1.007	1.070	1.082
Plasterers	1.206	1.628	1.532	Night work	1.040	1.204	1.219
Plasterers' laborers	.872	1.068	1.086	Photo-engravers:			
Plumbers and gas fitters	1.151	1.409	1.430	Day work	1.085	1.266	1.337
Plumbers' laborers	.879	.975	.965	Night work	1.239	1.541	1.577
Sheet-metal workers	1.065	1.330	1.305	Pressmen, web presses:			
Ship carpenters	.935	.560	.900	Day work	.871	1.066	1.074
Slate and tile roofers	1.224	1.535	1.538	Night work	.987	1.220	1.255
Steam and sprinkler fitters	1.052	1.416	1.435	Stereotypers:			
Steam and sprinkler fitters' helpers	.751	.947	.967	Day work	.922	1.007	1.007
Stonemasons	1.237	1.563	1.583	Night work	1.082	1.141	1.142
Structural-iron workers	1.109	1.464	1.435	Average, printing and publishing, newspaper	1.047	1.190	1.220
Finishers	1.086	1.420	1.431	MISCELLANEOUS			
Finishers' helpers	.838	(*)	(*)	Chauffeurs	.574	.703	.766
Telayers	1.140	1.454	1.453	Teamsters and drivers	.590	.706	.727
Telayers' helpers	.798	.979	.969	Longshoremen	.722	.817	.856
Average, building trades	1.068	1.323	1.330	Granite cutters	1.089	1.242	1.256
				Stonecutters	1.151	1.400	1.406
				Laundry workers	.414	.432	.447
				Linemen	.898	.991	1.007

¹ Except piece-work.² Per 1,000 laths.³ No data.⁴ Rate per 1,000 cms.

Source: Bureau of Labor Statistics, Department of Labor.

No. 360.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING INDUSTRIES

NOTE.—Indexes based on monthly average 1926=100. Statistics cover 54 industries comprising the 12 groups shown in Table 363 and are based on reports from nearly 12,000 establishments employing approximately 3,250,000 persons. Indexes are weighted according to relative importance of industries included. The returns cover one week in each month

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1923	106.6	108.4	110.8	110.8	110.8	110.9	100.2	108.5	108.6	109.1	107.4	105.4	108.8
1924	103.8	105.1	104.0	102.8	98.8	95.6	92.3	92.5	94.3	95.0	95.5	97.3	98.2
1925	97.0	99.7	100.4	100.2	98.0	98.0	97.2	97.8	98.9	100.4	100.7	100.8	99.2
1926	100.4	101.5	102.0	101.0	99.8	99.3	97.7	98.7	100.3	100.7	99.5	98.0	100.0
1927	97.3	99.0	99.5	98.6	97.0	97.0	95.0	95.1	95.8	95.3	98.5	92.0	98.4
1928	91.6	93.0	93.7	93.3	93.0	93.1	92.2	93.0	95.0	95.9	95.4	95.5	93.8
PAY-ROLL TOTALS													
1923	95.8	60.4	104.7	105.7	109.4	109.3	104.3	103.7	104.4	106.8	105.4	103.2	104.3
1924	98.6	103.8	103.3	101.1	56.5	90.8	84.3	87.2	89.8	92.4	91.4	95.7	94.0
1925	93.9	99.3	100.8	98.3	98.5	95.7	93.5	95.4	94.4	100.4	100.4	101.3	97.7
1926	93.0	102.2	101.4	101.5	90.8	99.7	95.2	98.7	96.3	102.0	99.6	99.8	100.0
1927	94.9	100.6	102.0	100.8	99.8	97.4	93.0	95.0	94.1	95.2	91.0	93.2	96.5
1928	80.6	93.9	95.2	93.8	94.1	94.2	91.2	94.2	95.4	96.0	96.1	97.7	94.5

Source: Bureau of Labor Statistics, Department of Labor.

No. 361.—MANUFACTURING ESTABLISHMENTS: AVERAGE PERCENTAGE OF FULL FORCE EMPLOYED AND OF FULL TIME ACTIVE, OPERATING ESTABLISHMENTS ONLY

NOTE.—Statistics cover the same industries as Table 360, but the reports are somewhat less complete covering usually about 8,000 establishments. Data were not collected prior to March, 1924

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average percentage of normal full force employed:												
1924			82	80	77	76	75	77	79	81	81	81
1925	82	83	83	83	82	82	82	85	84	85	85	85
1926	85	87	87	87	86	85	86	87	88	88	87	87
1927		86	87	88	88	87	87	87	88	88	85	84
1928		84	85	86	86	87	87	87	90	90	89	89
Average percentage of full time operated:												
1924			94	92	90	88	87	88	91	92	91	92
1925	92	93	93	92	92	92	92	94	93	94	94	94
1926	93	94	94	93	93	92	96	97	98	98	97	97
1927		96	97	97	97	96	97	97	97	97	96	96
1928		90	96	96	96	97	96	97	97	98	97	98

Source: Bureau of Labor Statistics, Department of Labor.

No. 362.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: By GEOGRAPHIC DIVISIONS

NOTE.—Figures are unweighted relative numbers. April, 1924, was the first month for which the bureau published a recapitulation by geographic division of the total employment figures

(Monthly average 1926=100)

Year and month	New Eng-land	Middle Atlan-tic	East North Central	West North Central	South Atlan-tic	East South Central	West South Central	Moun-tain	Pacific
	Employment								
1924									
June	98.1	96.9	89.3	98.1	92.2	94.7	98.4	107.9	100.8
September	94.0	95.1	83.0	94.0	90.2	93.8	101.4	105.8	97.2
December	101.4	98.8	91.3	99.5	94.2	90.3	102.3	98.2	93.0
1925									
March	104.4	101.5	96.7	100.2	97.7	102.6	99.9	96.6	93.8
June	99.2	98.5	97.0	100.1	95.0	100.0	96.1	105.2	102.1
September	97.8	99.0	90.7	102.0	95.8	102.1	98.9	102.4	103.0
December	101.7	102.2	101.2	101.0	100.7	104.3	100.2	104.3	97.2

No. 362.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: By GEOGRAPHIC DIVISIONS—Continued

Year and month	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Employment—Continued								
1926									
March	104.4	102.1	103.6	99.0	102.1	102.8	98.8	95.6	96.5
June	98.4	99.2	99.9	100.1	98.1	98.6	100.5	103.1	102.5
September	99.1	99.7	100.9	102.0	100.6	98.7	101.2	103.4	101.8
December	99.5	98.9	94.1	98.2	101.4	97.2	99.8	100.4	97.8
1927									
January	98.6	96.8	93.1	96.3	100.6	94.9	97.9	97.5	94.1
February	99.8	97.8	97.4	96.8	102.1	95.0	98.6	94.2	94.3
March	99.4	97.8	99.0	96.6	102.9	95.4	97.4	93.0	97.0
April	98.0	96.1	99.1	96.5	103.1	94.7	96.3	94.3	98.2
May	96.8	94.6	98.9	97.3	101.5	93.3	94.8	97.3	99.0
June	95.3	94.0	97.7	99.5	100.9	93.0	94.9	99.0	101.7
July	94.0	92.5	94.4	98.6	99.8	91.2	93.1	100.7	100.7
August	93.4	92.5	95.7	98.9	99.3	92.4	93.9	99.3	101.0
September	95.5	93.6	94.5	98.9	101.8	92.6	95.3	98.2	100.7
October	95.2	93.4	98.8	98.2	101.5	93.2	93.6	96.6	100.3
November	93.8	91.8	90.7	94.9	100.8	91.0	92.2	97.5	97.7
December	92.0	90.6	91.5	95.3	99.9	92.0	90.8	93.4	94.6
1928									
January	91.4	88.7	93.3	92.5	98.2	90.9	89.2	88.5	90.4
February	92.1	89.2	97.8	95.5	98.5	92.0	89.4	89.2	91.1
March	90.9	89.4	100.1	96.0	100.0	91.8	89.6	90.0	93.8
April	89.4	88.4	100.4	95.5	98.4	92.0	89.3	91.2	97.1
May	86.8	88.2	102.4	96.2	96.6	90.4	88.8	94.1	98.0
June	86.8	88.3	102.7	98.7	96.5	90.0	89.0	97.2	99.3
July	85.8	87.4	102.1	97.4	94.2	86.8	90.0	97.9	97.8
August	86.0	87.9	105.8	97.2	96.8	89.9	90.9	97.0	90.7
September	88.0	89.4	107.5	97.1	98.2	90.8	92.1	97.6	101.5
October	90.7	91.0	107.5	97.6	98.7	90.3	91.9	93.0	100.4
November	91.3	91.1	104.1	95.9	99.7	91.3	92.3	97.0	97.9
December	91.6	91.1	104.2	96.1	99.0	91.3	90.2	95.3	95.5
Pay-roll totals									
1924									
June	92.6	91.9	83.4	96.6	85.9	89.2	94.9	106.6	102.6
September	93.2	90.8	82.7	95.7	84.3	89.3	95.3	100.2	94.8
December	101.7	97.5	89.2	98.7	92.9	90.6	99.9	91.5	94.4
1925									
March	105.2	101.3	98.3	96.6	97.6	102.0	101.1	98.6	95.8
June	96.3	95.1	97.0	99.8	91.2	97.6	94.1	105.0	102.3
September	93.4	93.8	96.3	98.6	90.9	97.8	96.1	93.3	99.9
December	103.0	102.4	104.3	100.6	102.4	106.4	101.5	102.3	98.4
1926									
March	108.7	103.2	106.5	100.4	103.1	103.8	97.0	97.2	97.2
June	97.4	99.6	100.2	102.2	97.4	98.7	100.5	104.3	104.6
September	98.2	99.4	99.4	101.2	99.6	97.0	100.3	101.0	101.2
December	100.1	100.4	92.1	96.4	104.0	99.3	102.9	102.6	99.0
1927									
January	98.5	96.0	84.7	92.1	98.7	93.6	98.1	97.2	91.0
February	101.3	99.4	90.2	96.5	103.4	98.1	101.0	97.6	95.2
March	101.5	99.8	102.9	95.5	104.1	98.1	100.3	97.6	99.0
April	97.6	97.3	103.4	97.3	104.4	96.4	98.8	98.5	100.4
May	98.2	95.4	103.2	99.6	102.0	94.8	99.3	101.0	103.4
June	96.0	94.1	97.4	99.9	100.3	93.7	98.5	102.1	104.0
July	93.6	89.8	91.2	97.2	96.0	89.6	95.9	100.5	99.0
August	94.2	91.8	96.5	98.4	97.5	91.8	96.8	99.8	102.1
September	96.7	92.3	91.7	96.8	99.0	91.8	98.9	97.9	100.5
October	94.8	92.4	94.4	98.1	101.1	93.3	97.9	97.8	102.9
November	91.4	89.7	88.7	93.0	99.2	90.0	94.6	99.0	99.1
December	92.0	90.6	92.3	92.1	99.4	91.1	94.7	91.2	97.0
1928									
January	90.1	86.8	90.2	90.3	94.7	86.6	92.9	90.3	89.8
February	91.6	89.8	102.4	95.8	98.0	92.4	93.5	91.3	92.7
March	90.2	90.6	105.4	97.4	99.5	91.9	93.0	94.1	96.6
April	88.0	87.4	104.9	96.1	96.2	92.1	92.3	96.9	100.2
May	86.0	83.8	107.3	97.3	96.4	90.5	91.9	97.8	102.1
June	86.1	89.0	105.7	100.5	95.9	89.3	91.6	99.8	101.8
July	85.4	86.2	102.3	97.4	91.9	85.4	92.9	98.8	99.4
August	85.8	83.5	109.8	98.2	95.7	89.0	95.1	98.7	101.5
September	90.5	89.8	109.7	97.0	97.1	88.3	95.4	100.1	101.6
October	92.9	93.4	114.8	99.5	100.7	89.9	97.6	102.6	102.4
November	91.6	92.1	107.2	92.2	100.7	90.2	96.3	100.9	98.7
December	95.3	93.5	106.7	94.9	100.9	93.0	95.3	98.7	96.6

Source: Bureau of Labor Statistics, Department of Labor.

No. 363.—EMPLOYMENT AND PAY-ROLL INDEXES IN MAJOR GROUPS OF MANUFACTURING INDUSTRIES

Note.—Monthly average 1926=100. Combined index for each group is weighted according to relative importance of industries covered. Figures represent the number on the pay roll and amount of pay roll for one week in each month. See also Table 360

Yearly average and month	Em- ployed		Pay roll		Em- ployed		Pay roll		Em- ployed		Pay roll		Em- ployed		Pay roll	
	Food products		Textile products		Iron and steel products		Other metal products		Lumber and products		Leather and products					
1923 average	111.1	106.3	116.1	116.4	108.5	102.7	102.6	101.5	110.0	102.4	110.7	113.0				
March	106.6	101.1	122.3	123.6	108.6	100.0	108.5	107.5	107.3	96.5	116.6	123.2				
June	109.8	100.6	117.2	119.1	112.9	110.6	105.4	108.1	112.6	107.8	108.0	113.2				
September	116.4	111.3	113.4	113.7	110.7	105.0	97.8	94.0	112.9	106.6	108.9	110.5				
December	113.4	111.6	111.4	112.0	102.7	101.3	97.6	98.2	108.4	105.4	106.6	109.2				
1924 average	105.4	104.4	102.4	101.0	93.8	89.1	95.1	93.0	104.4	99.6	100.3	100.6				
March	107.7	105.1	111.5	112.8	102.8	102.4	104.2	106.9	106.6	103.2	107.4	109.5				
June	104.9	104.2	98.4	91.9	92.5	84.5	93.6	88.0	104.2	101.2	91.9	90.1				
September	108.1	106.2	97.2	97.2	86.8	79.3	87.2	84.0	102.9	97.9	100.3	103.0				
December	106.5	106.7	103.0	105.1	91.8	91.0	95.8	97.0	102.1	99.0	100.6	100.6				
1925 average	101.2	99.9	103.7	104.2	95.0	93.3	99.2	99.4	102.5	100.4	101.9	101.8				
March	100.3	98.7	107.3	112.9	96.5	96.7	99.8	101.4	101.9	100.2	105.6	109.3				
June	99.4	99.5	102.0	98.7	94.1	91.3	98.4	98.5	103.2	102.6	95.1	93.7				
September	102.8	99.1	100.9	96.9	93.9	87.9	98.8	94.0	103.7	102.0	105.0	103.2				
December	103.0	103.1	104.1	104.8	97.9	99.7	104.1	107.3	100.9	102.1	98.8	96.0				
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
March	98.3	98.0	104.5	108.3	101.2	103.6	105.5	108.5	98.8	98.6	101.2	102.7				
June	98.8	100.1	97.6	94.3	100.9	101.2	98.8	99.0	101.4	102.4	94.5	94.2				
September	102.9	102.7	97.8	96.5	100.7	98.8	98.2	95.0	101.1	102.6	104.0	106.6				
December	100.7	101.5	101.0	103.8	97.6	99.1	96.0	91.1	97.1	98.7	99.9	97.9				
1927 average	99.4	100.0	101.3	103.0	93.2	91.9	92.9	91.6	91.9	93.1	97.0	97.4				
March	97.1	97.0	104.2	109.4	95.2	100.6	97.0	99.4	91.3	92.7	101.4	102.5				
June	101.0	102.8	99.9	100.3	94.5	94.4	93.0	92.9	92.5	94.9	94.1	94.0				
September	102.6	102.2	100.9	103.1	91.3	87.1	91.2	87.3	93.7	95.9	101.1	103.6				
December	100.1	100.9	100.6	102.3	86.6	85.2	88.2	88.4	87.9	90.1	91.8	87.1				
1928 average	98.4	99.8	96.3	95.6	91.5	92.8	92.8	96.1	87.8	88.8	92.8	89.7				
March	97.3	98.9	100.3	101.2	90.0	92.5	90.7	92.1	86.2	87.6	96.5	96.8				
June	96.9	99.5	94.1	91.6	91.7	93.3	92.0	93.7	88.3	90.2	89.3	85.0				
September	100.0	101.2	93.6	93.2	93.2	92.9	94.2	92.8	90.1	91.7	95.1	95.7				
December	102.1	104.4	97.7	99.5	95.0	98.0	98.6	108.2	87.6	88.3	87.8	83.6				
	Paper and printing		Chemicals and allied products		Stone, clay, and glass		Tobacco products		Vehicles		Miscellaneous products					
1923 average	96.5	89.7	101.8	98.2	100.2	93.5	116.9	114.0	109.6	107.7	103.3	98.1				
March	96.8	89.0	107.2	98.7	96.8	86.5	120.4	118.0	109.4	106.9	110.6	103.0				
June	96.7	90.0	100.6	99.6	105.5	99.3	117.1	114.5	112.5	111.6	107.4	108.0				
September	96.0	89.1	101.3	100.0	102.2	97.3	115.7	110.6	111.3	107.5	96.6	93.3				
December	98.3	93.2	99.0	96.8	98.5	96.2	117.3	121.3	106.5	105.5	98.6	94.4				
1924 average	96.7	91.7	93.1	91.0	97.0	95.2	109.8	108.9	97.2	94.3	90.7	89.0				
March	97.7	93.5	104.2	99.6	99.4	98.9	111.4	111.7	105.2	104.0	98.9	97.4				
June	95.9	90.6	86.0	87.0	99.7	99.6	107.7	108.8	93.5	90.9	87.6	84.5				
September	96.3	90.8	89.4	87.4	95.3	91.7	110.9	110.1	92.3	87.9	84.9	82.0				
December	98.2	95.2	91.7	90.3	94.6	94.3	112.5	116.9	93.6	92.8	90.1	88.7				
1925 average	97.3	94.3	95.8	94.2	97.9	97.3	107.5	105.7	99.8	100.7	94.6	92.8				
March	98.0	95.1	100.6	98.5	95.8	95.8	109.3	103.1	98.6	103.0	96.3	96.3				
June	95.9	92.0	88.5	89.4	101.0	99.6	105.8	105.2	90.0	90.8	93.9	91.1				
September	96.7	91.9	98.9	93.9	100.1	97.2	107.5	104.8	101.0	98.0	93.1	88.9				
December	100.0	100.9	99.6	98.8	98.6	99.9	111.0	115.4	101.6	104.4	97.3	97.1				
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
March	99.5	100.2	106.9	103.9	96.6	97.6	103.0	102.7	105.4	108.0	101.5	101.0				
June	98.9	99.4	95.2	98.2	104.3	105.6	101.3	101.0	101.0	102.0	97.9	98.4				
September	100.4	99.4	101.9	100.7	103.9	101.6	99.4	101.6	100.1	98.4	96.6	97.4				
December	102.4	104.3	98.6	101.7	96.7	98.5	100.8	102.4	90.6	88.7	104.3	107.7				
1927 average	100.1	101.2	96.8	99.1	94.5	94.2	98.1	97.1	90.8	91.6	99.5	100.0				
March	100.8	102.4	106.7	108.1	95.1	96.6	97.5	93.6	94.6	98.4	105.9	100.3				
June	98.8	99.6	91.8	98.2	99.3	99.2	98.8	100.1	93.3	92.5	102.0	102.9				
September	99.8	100.2	95.3	96.8	95.3	93.4	102.6	104.2	89.6	87.9	94.4	91.5				
December	101.7	104.9	91.9	96.5	89.1	89.0	98.7	100.2	85.0	87.1	93.4	97.9				
1928 average	99.2	101.5	93.4	95.9	89.7	89.0	96.0	93.5	95.8	98.3	91.6	91.9				
March	98.8	101.4	101.7	100.7	87.3	87.1	98.0	91.4	93.2	90.1	89.7	90.4				
June	98.0	100.8	87.5	91.7	93.4	92.8	95.3	94.9	97.7	99.3	96.0	92.0				
September	98.6	100.9	94.7	96.6	93.4	91.8	98.9	98.2	101.5	101.4	91.7	91.8				
December	101.2	105.1	95.1	97.2	87.3	88.4	98.0	99.5	94.0	96.4	97.9	100.1				

Source: Bureau of Labor Statistics, Department of Labor.

No. 364.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: ANNUAL AVERAGES BY INDUSTRIES

NOTE.—Monthly average 1926=100. For general index of all industries and for group totals see Tables 360 and 363, respectively

Industry group and industry	Employment						Pay-roll totals						
	1923	1924	1925	1926	1927	1928	1923	1924	1925	1926	1927	1928	
Food and kindred products:													
Slaughtering and meat packing	122.9	115.1	104.4	100.0	99.5	99.5	118.4	111.8	102.6	100.0	99.9	101.0	
Confectionery	115.3	103.2	98.1	100.0	96.5	93.0	107.0	90.9	96.4	100.0	97.9	93.3	
Ice cream	103.9	100.3	101.8	100.0	94.0	92.4	95.8	97.1	98.3	100.0	93.4	93.1	
Flour	114.2	108.1	103.1	100.0	99.3	100.0	110.9	108.2	102.5	100.0	95.4	102.1	
Baking	96.2	100.5	98.7	100.0	101.4	100.9	94.8	98.4	97.1	100.0	102.2	101.6	
Sugar refining, cane	106.8	104.6	104.5	100.0	98.8	91.1	104.6	108.4	104.0	100.0	98.8	94.9	
Textiles and products:													
Cotton goods	120.3	99.9	101.1	100.0	105.0	95.2	123.5	91.8	101.1	100.0	108.5	91.7	
Hosiery and knit goods	102.1	92.6	100.2	100.0	99.0	94.7	91.3	82.9	96.4	100.0	102.2	97.3	
Silk goods	99.8	94.1	103.1	100.0	98.4	96.9	93.9	98.6	102.7	100.0	99.2	100.2	
Woolen and worsted goods	124.5	113.3	110.7	100.0	99.7	95.0	126.7	114.1	110.6	100.0	100.6	94.4	
Carpets and rugs	100.5	98.1	100.7	100.0	102.5	101.0	110.1	95.2	101.2	100.0	104.1	95.9	
Dyeing and finishing textiles	102.1	94.0	101.7	100.0	108.7	96.5	90.9	91.8	102.3	100.0	102.8	101.0	
Clothing, men's	118.6	105.9	103.1	100.0	97.8	92.2	128.4	111.0	105.8	100.0	97.3	89.0	
Shirts and collars	118.9	100.6	103.3	100.0	95.0	92.2	117.1	97.5	103.2	100.0	96.3	89.9	
Clothing, women's	126.3	111.9	105.6	100.0	105.4	105.4	124.4	108.6	109.2	100.0	107.4	105.2	
Millinery and lace goods	138.1	120.3	117.1	100.0	95.6	90.9	133.1	117.1	115.8	100.0	96.8	92.7	
Iron and steel and products:													
Iron and steel	102.1	95.4	97.9	100.0	92.9	90.9	97.3	91.3	96.4	100.0	91.4	92.7	
Cast-iron pipe	94.3	98.2	95.6	100.0	89.8	80.1	92.8	97.8	96.2	100.0	88.1	75.9	
Structural ironwork	100.0	91.7	92.5	100.0	94.9	95.0	93.9	86.3	91.5	100.0	95.0	97.9	
Foundry and machine-shop products	115.3	93.0	93.1	100.0	93.8	92.3	110.7	87.2	90.6	100.0	92.4	92.8	
Hardware	113.4	104.2	103.6	100.0	92.2	88.9	102.0	95.7	98.4	100.0	90.9	88.4	
Machine tools	98.1	82.0	85.8	100.0	92.8	100.8	88.5	74.9	83.4	100.0	92.2	107.5	
Steam fittings and steam and hot-water heating apparatus	103.3	98.6	100.1	100.0	92.5	82.2	98.0	95.4	97.4	100.0	91.9	81.9	
Stoves	116.3	100.3	97.8	100.0	91.2	87.6	113.9	101.0	97.8	100.0	90.4	84.7	
Metal products:													
Stamped and enameled ware	105.2	94.7	99.0	100.0	88.9	88.8	103.3	93.2	100.2	100.0	90.6	90.4	
Brass, bronze, and copper	101.3	95.2	99.2	100.0	94.5	94.4	98.9	92.9	99.1	100.0	92.0	98.0	
Lumber and its products:													
Lumber, sawmills	115.1	108.0	103.6	100.0	91.0	86.7	106.5	102.8	101.7	100.0	92.4	88.0	
Lumber, millwork	101.5	101.2	103.0	100.0	89.2	85.5	95.5	98.0	101.8	100.0	89.2	85.0	
Furniture	100.4	95.2	99.1	100.0	96.1	92.5	94.2	90.7	95.6	100.0	98.2	93.2	
Leather and its products:													
Leather	109.6	96.9	98.7	100.0	98.4	95.4	107.0	95.7	97.5	100.0	97.2	93.7	
Boots and shoes	111.1	101.6	102.9	100.0	97.7	91.9	117.0	102.8	103.6	100.0	97.6	88.0	
Paper and printing:													
Paper and pulp	104.6	98.6	98.7	100.0	97.5	94.4	97.6	94.4	96.8	100.0	96.6	94.9	
Paper boxes	98.9	98.2	98.8	100.0	96.8	94.0	91.3	93.3	95.6	100.0	99.0	99.4	
Printing, book and job	90.1	97.9	97.5	100.0	100.3	99.2	87.8	90.8	93.1	100.0	102.1	101.6	
Printing, newspapers	89.5	93.1	95.4	100.0	103.4	105.2	84.5	89.7	93.0	100.0	104.6	107.4	
Chemicals and allied products:													
Chemicals	104.9	96.2	97.3	100.0	100.0	99.3	96.6	92.5	94.3	100.0	103.7	103.3	
Fertilizers	96.2	86.9	95.1	100.0	91.2	95.4	91.8	83.6	90.6	100.0	94.0	97.1	
Petroleum refining	90.7	91.8	94.0	100.0	94.6	84.8	102.1	91.7	95.2	100.0	95.6	87.2	
Stone, clay, and glass:													
Cement	109.0	108.9	105.3	100.0	95.8	87.7	104.2	107.9	104.9	100.0	96.5	88.3	
Brick, tile, and terra cotta	99.3	97.4	98.9	100.0	94.3	84.9	95.1	98.5	99.1	100.0	94.1	82.8	
Pottery	93.7	100.6	98.3	100.0	94.5	95.3	85.8	95.1	96.3	100.0	94.2	93.4	
Glass	101.1	91.4	94.4	100.0	94.2	92.9	92.6	88.2	93.4	100.0	93.4	94.3	
Tobacco products:													
Chewing tobacco and snuff	105.4	105.2	97.0	100.0	97.7	95.2	100.1	101.2	98.3	100.0	97.7	94.1	
Cigars and cigarettes	118.3	110.4	109.0	100.0	98.1	96.0	115.9	109.9	106.7	100.0	97.0	93.4	
Vehicles:													
Automobiles	83.0	87.0	99.0	100.0	91.2	111.3	92.0	83.8	102.4	100.0	90.3	114.4	
Carriages and wagons	108.8	90.8	100.2	100.0	78.7	76.7	108.3	95.0	100.4	100.0	83.6	82.1	
Car building and repairing													
Electric-railroad	112.7	100.0	99.6	100.0	100.9	94.9	110.1	97.8	100.5	100.0	101.1	96.2	
Steam-railroad	123.8	108.8	100.6	100.0	90.3	83.5	120.9	102.8	99.4	100.0	92.3	85.4	
Miscellaneous:													
Agricultural implements	101.3	81.2	93.6	100.0	91.9	106.8	89.8	75.2	90.8	100.0	92.2	111.8	
Electrical machinery, apparatus, and supplies	101.3	95.1	92.1	100.0	95.1	93.9	97.0	94.7	92.2	100.0	95.7	95.9	
Pianos and organs	105.3	99.9	98.9	100.0	90.4	77.1	94.9	96.6	97.8	100.0	87.4	74.3	
Rubber, boots and shoes	110.7	82.7	97.1	100.0	108.3	101.1	107.2	76.6	97.7	100.0	107.7	101.0	
Automobile tires	91.1	88.6	102.2	100.0	97.3	103.3	88.7	88.1	100.4	100.0	98.2	105.7	
Shipbuilding	108.6	90.2	92.6	100.0	104.8	82.8	103.0	88.8	90.3	100.0	105.8	83.0	

Source: Bureau of Labor Statistics, Department of Labor.

No. 365.—INDEXES OF FACTORY EMPLOYMENT IN SPECIFIED STATES

[Index numbers for all States relative to 1923 monthly average as 100, except Massachusetts which is relative to 1919-1923 average as 100].

Year and month	Employees on pay roll					Amount of pay roll				
	Massachusetts ¹	New York ²	New Jersey ³	Pennsylvania ⁴	Illinois ⁴	Wisconsin ⁵	New York ²	New Jersey ³	Pennsylvania ⁴	Wisconsin ⁵
Monthly average:										
1919	109.2	103.5					89.3			
1920	106.4	107.4					110.9			
1921	88.6	83.9			86.5		79.2			
1922	93.7	90.3			90.0		83.1			
1923	102.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1924	90.2	91.2	90.4	88.0	91.6	95.1	92.7	90.0	86.2	97.1
1925	90.5	90.5	90.1	91.0	88.7	99.3	93.9	90.7	89.5	105.9
1926	92.1	90.7	95.6	92.0	91.7	99.5	96.6	101.2	93.4	106.8
1927	87.6	87.0	95.5	85.6	86.3	94.8	93.6	103.6	87.2	101.4
1928	78.1	83.5	92.1	80.7	84.7	94.2	90.3	100.7	82.3	102.4
1923										
March	106.1	102.5	104.5	100.8	101.6	100.4	101.2	105.1	99.7	97.1
June	102.4	100.3	101.7	101.2	103.0	100.9	102.6	106.3	105.4	104.1
September	100.8	99.1	96.9	101.6	98.7	99.9	99.8	94.5	101.2	101.2
December	97.3	97.8	95.8	96.8	97.6	97.2	100.5	97.4	99.2	98.5
1924										
March	95.4	98.0	95.2	94.5	98.0	101.7	101.3	96.6	95.2	107.1
June	85.3	88.4	83.5	85.8	91.2	90.4	88.3	88.6	80.3	90.2
September	88.0	88.4	87.8	84.9	88.0	92.3	91.0	87.0	79.7	92.1
December	91.7	90.2	90.5	89.6	88.4	94.6	93.5	91.0	91.1	99.1
1925										
March	92.5	92.3	88.5	92.5	89.6	97.7	96.4	89.3	92.4	103.6
June	87.1	88.7	86.7	90.4	87.4	99.4	91.0	87.7	87.4	105.8
September	90.1	90.3	92.5	90.2	88.5	100.7	93.9	90.0	86.2	106.4
December	92.4	93.2	96.9	92.5	90.3	100.4	99.4	100.9	94.7	103.1
1926										
March	95.4	93.3	95.2	92.7	92.1	101.3	99.5	98.9	95.7	112.3
June	89.4	89.7	90.3	90.7	91.5	98.4	95.5	96.1	93.0	107.3
September	92.4	90.4	100.0	93.0	93.2	100.6	97.3	100.0	92.7	106.3
December	91.3	89.4	100.1	91.1	90.3	94.3	96.7	110.7	95.5	97.9
1927										
January	90.7	87.7	99.5	89.1	88.6	93.5	95.1	106.8	90.2	96.9
February	92.3	88.8	99.2	89.3	89.1	96.2	96.0	103.8	94.2	104.7
March	91.4	88.3	98.9	89.5	88.9	96.0	97.6	103.4	94.0	104.2
April	89.3	88.1	97.0	86.9	88.3	95.1	94.3	106.1	91.6	102.9
May	87.7	86.8	94.4	87.0	87.8	94.4	92.9	102.4	89.4	99.4
June	85.9	86.6	94.1	85.0	87.5	94.1	92.7	102.3	87.3	102.2
July	83.9	85.1	93.0	84.1	84.3	97.1	90.4	98.0	81.1	98.1
August	85.9	85.7	93.4	83.9	85.5	98.7	92.2	101.4	84.8	106.9
September	87.1	87.5	94.8	83.8	85.3	95.9	95.0	102.1	82.9	101.7
October	87.4	87.6	94.7	83.6	85.3	94.9	94.2	102.4	84.7	100.6
November	86.2	85.9	93.9	83.0	83.2	90.9	90.7	100.4	83.6	99.6
December	83.0	84.4	93.3	81.2	82.2	90.7	91.7	103.3	82.7	99.5
1928										
January	82.3	82.6	91.2	80.2	80.5	90.3	88.6	98.4	78.9	88.9
February	83.3	83.5	90.7	81.6	82.7	92.1	89.4	99.6	85.4	99.1
March	82.1	83.9	90.2	81.6	83.7	92.6	91.3	98.7	84.7	106.7
April	80.4	82.9	89.6	80.0	82.6	91.8	87.6	96.4	79.7	97.6
May	75.4	82.0	90.0	80.0	83.2	91.8	87.8	98.0	83.0	99.9
June	73.6	82.2	89.9	80.2	85.1	92.9	89.0	98.2	82.6	104.8
July	72.9	81.5	89.8	78.8	83.4	96.8	87.2	96.1	76.2	98.7
August	74.2	82.5	90.7	80.8	85.6	97.9	89.0	98.5	83.1	108.7
September	75.6	84.3	94.1	81.4	86.8	97.1	92.0	102.3	82.9	106.5
October	78.8	86.0	94.6	81.6	86.9	97.0	94.0	105.1	87.0	110.2
November	79.3	85.8	96.8	81.5	87.3	95.7	93.6	106.8	84.9	107.3
December	78.9	85.3	97.9	80.4	83.1	94.8	94.3	100.0	84.6	100.5

¹ Compiled by the Massachusetts Department of Labor and Industries, Division of Statistics, from about 1,000 firms each month. Data are connected by the chain relative method.

² Compiled by the New York State Department of Labor from reports of 1,648 firms employing more than one-third of the factory workers of the State.

³ Compiled by the Federal Reserve Bank of Philadelphia from reports of about 1,000 plants each month in the States of New Jersey, Pennsylvania, and Delaware. Since August, 1926, figures for New Jersey are from the New Jersey Department of Labor.

⁴ Compiled from data furnished by the Illinois Department of Labor from reports by about 1,400 manufacturing establishments, employing about 400,000 people, based on the pay roll nearest the 15th of the month.

⁵ Compiled by the Industrial Commission of Wisconsin, based on link relatives from reports of about 850 manufacturing firms.

⁶ Index number represents 5 months' average, August to December, inclusive.

Source: Department of Commerce, Survey of Current Business.

No. 366.—WEEKLY EARNINGS OF FACTORY LABOR IN SPECIFIED STATES

NOTE.—Index numbers relative to 1923, except for New York which is relative to an average of the seven months June to December, 1914. For original sources of data, numbers of firms reporting, etc., in each State, see notes 2 to 5, Table 365

Year and month	Average amount per week			Index numbers					
	New York	Illinois	Wisconsin	New York	New Jersey	Pennsylvania	Delaware	Illinois	Wisconsin
Monthly average:									
1919	\$23.50			188.3					95.9
1920	28.15		\$28.88	225.0					116.5
1921	25.72		22.80	206.1					92.8
1922	26.04	\$24.70	21.66	200.6				191.3	90.0
1923	27.24	27.07	23.67	218.3	100.0	100.0	100.0	100.0	100.0
1924	27.68	27.55	24.40	221.3	99.6	97.1	100.5	101.8	101.5
1925	28.26	27.93	25.50	226.4	100.5	98.3	98.9	103.2	106.6
1926	29.02	28.67	25.67	232.5	106.1	101.2	101.3	105.9	107.1
1927	29.30	28.52	25.45	234.8	109.5	101.3	102.7	105.4	106.2
1928	29.44	28.56	26.12	235.9	110.0	101.9	102.4	105.5	100.7
1926									
March	29.04	28.68	26.56	232.7	104.0	103.1	100.6	105.9	110.8
June	28.99	29.02	26.13	232.3	106.9	102.2	103.0	107.2	109.0
September	29.31	27.95	25.32	234.9	106.4	99.2	93.9	103.3	105.6
December	29.47	28.87	24.61	236.1	111.4	104.1	106.2	103.6	102.8
1927									
March	29.78	28.72	25.80	238.6	110.3	104.5	103.9	106.1	107.6
June	29.17	29.27	26.05	238.7	110.0	101.6	102.7	108.1	103.7
September	29.57	27.65	25.40	236.9	108.5	98.3	100.9	102.1	105.9
December	29.57	28.15	25.24	237.1	111.4	101.3	106.0	104.0	105.3
1928									
March	29.64	28.48	27.62	237.5	110.1	103.5	103.8	105.2	115.2
June	29.48	29.28	27.03	236.2	110.0	102.2	103.4	108.2	112.8
September	29.72	28.31	26.30	238.1	109.5	101.1	100.7	104.6	109.7
December	30.12	29.55	25.40	241.3	113.1	104.6	107.9	109.2	106.0

¹ Average of last 6 months of the year.

Source: Department of Commerce, Survey of Current Business.

No. 367.—AVERAGE WEEKLY AND HOURLY EARNINGS: ALL WAGE EARNERS AND CLASSIFIED GROUPS OF LABOR, 25 MANUFACTURING INDUSTRIES

Year	All wage earners		Male, unskilled		Male, skilled and semiskilled		Women	
	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number
WEEKLY EARNINGS								
1914 (July)	\$12.54	100	\$10.71	100	\$14.16	100	\$7.84	100
1920	29.52	235	27.11	253	33.31	235	18.27	233
1921	28.60	193	20.48	191	26.56	188	16.07	205
1922	24.04	192	20.53	192	27.43	194	16.00	204
1923	26.54	212	22.59	211	30.18	213	17.46	225
1924	26.28	210	22.97	215	30.01	212	16.72	213
1925	26.93	215	23.74	222	30.89	217	17.21	220
1926	27.16	217	23.97	224	31.23	221	17.24	220
1927	27.22	217	24.40	228	31.14	220	17.32	221
1928	27.42	218	24.85	232	31.71	224	17.15	210
HOURLY EARNINGS								
1914 (July)	.245	100	.203	100	.280	100	.154	100
1920	.606	247	.547	269	.692	247	.421	274
1921	.523	214	.446	202	.594	212	.368	239
1922	.493	202	.409	201	.562	201	.355	231
1923	.540	221	.451	222	.616	220	.388	252
1924	.561	229	.473	233	.638	228	.391	254
1925	.558	228	.469	232	.641	228	.390	253
1926	.562	230	.477	235	.647	231	.398	258
1927	.570	233	.490	241	.652	233	.400	260
1928	.570	233	.494	243	.658	235	.398	258

¹ Average of last 7 months.

Source: National Industrial Conference Board, Inc.

² Average of last 6 months.

16. POSTAL SERVICE

Postal statistics, unless otherwise noted, include data for outlying territories and possessions except Philippine Islands and Canal Zone

No. 368.—UNITED STATES POSTAL SERVICE, 1800 TO 1928

Year ended June 30—	Number of post offices	Mileage of post routes ¹	Finances, thousands of dollars			Revenue per capita, dollars	Money orders issued, thousands of dollars		Number of ordinary postage stamps issued, millions	Number of pieces of mail handled, millions ⁴
			Gross revenue	Gross expenditure	Surplus (+) or deficit (-) ²		Domestic ³	International ³		
1800.....	903	20,817	281	214	+67					
1810.....	2,300	36,406	552	496	+56					
1820.....	4,500	72,492	1,112	1,101	-49					
1830.....	8,460	115,178	1,861	1,933	-82					
1840.....	13,468	165,739	4,544	4,718	-175					
1850.....	18,417	178,672	5,500	6,213	+287					
1860.....	28,498	240,594	8,518	10,171	+10,653					
1865.....	20,550	142,340	14,556	13,695	+917		\$ 1,360			
1870.....	28,492	231,232	18,880	23,999	+5,098		34,054			
1875.....	35,547	277,873	26,791	33,611	+6,820		77,431			
1880.....	42,980	343,888	33,315	36,543	+3,222		100,353			5 2
1885.....	51,252	365,251	42,561	50,046	+7,481		117,859			216
1890.....	62,401	427,990	60,832	66,260	+5,401		114,363			387
1891.....	64,329	439,027	65,932	73,060	+7,151	1.03	119,122			4,005
1892.....	67,119	447,591	70,930	76,981	+6,111	1.00	120,067			2,398
1893.....	68,403	453,833	75,897	81,582	+5,717	1.14	127,576			2,543
1894.....	69,805	454,746	75,080	84,994	+9,978	1.11	138,794			2,760
1895.....	70,064	456,026	76,983	87,180	+10,230	1.12	156,709			2,602
1896.....	70,300	463,313	82,490	90,083	+8,444	1.17	172,101			2,795
1897.....	71,022	470,332	82,665	94,077	+11,432	1.15	174,483			5,134
1898.....	73,570	480,461	89,013	98,034	+9,055	1.22	191,354			3,025
1899.....	75,000	496,948	95,021	101,632	+6,630	1.28	211,214			3,064
1900.....	76,688	506,989	102,355	107,740	+5,410	1.34	238,921			3,418
1901.....	76,945	511,808	111,631	115,555	+3,982	1.43	274,546			3,093
1902.....	75,924	507,540	121,848	124,786	+2,961	1.53	313,551			3,999
1903.....	74,169	506,268	134,224	138,784	+4,587	1.66	353,628			4,239
1904.....	71,131	496,818	143,583	152,362	+8,813	1.74	378,778			4,821
1905.....	68,131	486,805	152,627	167,390	+14,564	1.81	396,903			5,271
1906.....	65,800	478,711	167,933	178,450	+10,513	1.96	444,610			5,381
1907.....	62,658	463,406	183,585	190,238	+6,692	2.11	479,650			6,048
1908.....	61,158	450,738	191,479	203,352	+16,910	2.15	498,700			7,001
1909.....	60,144	445,616	203,562	221,004	+17,480	2.24	491,075			8,972
1910.....	59,580	447,998	224,120	239,977	+5,881	2.43	547,994			9,755
1911.....	59,237	435,483	237,860	237,649	+219	2.63	578,111			10,743
1912.....	58,729	436,469	246,744	248,525	+1,786	2.58	583,337			109,605
1913.....	58,020	436,293	266,620	262,068	+4,511	2.74	624,489			97,660
1914.....	56,810	435,587	287,935	283,544	+4,376	2.91	667,231			102,668
1915.....	56,380	433,334	287,248	298,546	+11,333	2.85	656,139			101,963
1916.....	55,935	425,950	312,058	306,204	+5,829	3.05	719,365			60,772
1917.....	55,414	454,835	329,726	319,839	+9,830	3.18	813,319			60,772
1918 ⁵	54,347	468,371	383,976	324,834	+64,127	3.70	904,650			41,645
1919 ⁶	53,084	458,498	436,239	362,493	+73,735	4.11	1,109,613			35,865
1920.....	52,641	436,342	437,150	454,323	+17,270	4.10	1,332,700			39,766
1921.....	52,168	434,349	463,941	620,994	+157,518	4.28	1,305,370			32,960
1922.....	51,950	454,901	484,854	545,044	+60,815	4.41	1,205,327			24,391
1923.....	51,613	460,171	532,828	556,851	+24,065	4.78	1,376,461			20,651
1924.....	51,266	467,896	573,949	587,377	+14,464	5.08	1,510,705			34,119
1925.....	50,957	464,269	599,591	639,282	+39,745	5.28	1,532,567			50,615
1926.....	50,601	470,779	659,820	679,704	+19,972	5.63	1,590,486			52,560
1927.....	50,266	478,662	683,122	714,577	+31,506	5.76	1,647,580			63,172
1928.....	49,944	487,778	693,634	725,700	+32,121	5.78	1,630,157			68,952

¹ Not counting rural free delivery routes.

² Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.

³ International includes foreign countries on domestic basis. For explanation see note on Table 370.

⁴ Data are for continental United States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.

⁵ Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.

⁶ From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.

⁷ From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.

⁸ Gross revenues of department for 1918 and 1919 include \$44,500,000 and \$71,292,000, respectively, war-tax revenue accruing from increased postage.

Source: Annual Reports of the Postmaster General.

No. 369.—REVENUES, UNITED STATES POSTAL SERVICE

[All figures in thousands of dollars]

Item	Year ended June 30—							
	1910	1915	1920	1924	1925	1926	1927	1928
Total.....	224, 129	287, 248	437, 150	572, 949	599, 591	659, 820	683, 122	693, 034
Ordinary postal revenue.....	219, 339	279, 400	424, 406	553, 610	585, 333	641, 658	664, 603	675, 043
Stamps, postal cards, etc. ¹	202, 065	256, 037	379, 587	483, 372	507, 572	552, 525	568, 512	576, 199
Second-class postage paid in money (pound rates) ¹	8, 174	10, 468	25, 100	29, 254	29, 619	31, 986	32, 884	32, 651
Other postage paid in money under permit.....	4, 418	7, 527	12, 960	32, 286	39, 301	47, 839	53, 503	55, 986
Box rents.....	4, 139	4, 981	6, 145	7, 552	7, 817	8, 078	8, 369	8, 461
Miscellaneous.....	542	448	614	1, 147	1, 024	1, 229	1, 335	1, 746
Money-order revenues.....	4, 790	7, 175	10, 314	11, 249	12, 909	16, 715	16, 985	17, 021
Revenue from postal savings.....		612	2, 430	8, 089	1, 349	1, 446	1, 534	1, 570

¹ For volume of this item, see Table 374.

No. 370.—POSTAL MONEY-ORDER BUSINESS

NOTE.—For revenues from money orders, see Table 369. For value of orders issued for other years, see Table 368. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic"

Item	Year ended June 30—							
	1910	1915	1920	1924	1925	1926	1927	1928
Number of money-order offices.....	51, 791	55, 670	54, 395	54, 195	54, 269	55, 589	54, 616	54, 803
DOMESTIC ¹								
Orders issued:								
Number (1,000).....	76, 913	105, 073	148, 401	188, 552	197, 054	193, 410	194, 217	196, 287
Amount (1,000 dollars).....	547, 994	656, 139	1, 332, 700	1, 610, 705	1, 532, 567	1, 590, 486	1, 647, 580	1, 630, 157
Orders paid:								
Number (1,000).....	76, 496	103, 884	147, 520	187, 835	196, 038	193, 605	195, 041	196, 932
Amount (1,000 dollars).....	545, 632	652, 786	1, 333, 046	1, 505, 606	1, 531, 597	1, 590, 452	1, 647, 113	1, 629, 443
Excess of issues: ²								
Number (1,000).....	422	1, 190	971	717	1, 015	—285	—825	—644
Amount (1,000 dollars).....	2, 362	1, 353	—346	5, 100	870	34	468	714
INTERNATIONAL ^{3,4}								
Orders issued:								
Number (1,000).....	4, 500	3, 055	1, 852	2, 709	2, 966	3, 323	3, 734	3, 843
Amount (1,000 dollars).....	99, 743	60, 772	32, 960	50, 615	52, 690	63, 172	68, 952	71, 529
Orders paid:								
Number (1,000).....	1, 956	2, 217	1, 508	1, 838	1, 785	2, 026	1, 955	2, 129
Amount (1,000 dollars).....	27, 244	24, 743	25, 362	21, 453	19, 765	22, 933	23, 880	26, 402
Excess of issues: ²								
Number (1,000).....	2, 544	837	343	871	1, 201	1, 297	1, 779	1, 714
Amount (1,000 dollars).....	72, 499	36, 029	7, 598	20, 162	32, 836	40, 183	45, 066	45, 119
FOREIGN "DOMESTIC BASIS" ⁵								
Paid in foreign countries:								
Number (1,000).....	667	655	601	600	638	965	990	1, 049
Amount (1,000 dollars).....	10, 184	9, 110	9, 568	10, 387	16, 020	20, 019	19, 718	20, 323
Paid in the United States:								
Number (1,000).....	1, 566	1, 936	1, 246	1, 603	1, 498	1, 601	1, 574	1, 753
Amount (1,000 dollars).....	17, 705	18, 386	17, 016	15, 910	15, 118	17, 472	17, 723	19, 101

¹ Domestic money orders first issued Nov. 1, 1864, under act of Congress approved May 17, 1864.² Minus sign indicates excess of payments.³ Includes foreign countries on "domestic basis."⁴ International money orders first issued Sept. 1, 1869, under Postal Convention of Oct. 12, 1867.⁵ Included under "International" above.

Sources of Tables 369 and 370: Annual Reports of the Postmaster General.

No. 371.—EXPENDITURES, UNITED STATES POSTAL SERVICE

NOTE.—All figures in thousands of dollars. For total expenditures see Table 368. Data cover expenditures during the specified year ended June 30, whether on account of that fiscal year or of previous years

Item	1910	1915	1920	1924	1925	1926	1927	1928
Service in post offices (total).....	107,771	139,937	234,102	304,764	338,046	371,127	392,141	402,210
Salaries of postmasters.....	27,514	30,400	40,108	45,434	47,562	49,807	50,741	50,628
Salaries of clerks, etc.....	38,045	53,317	102,319	135,244	153,336	172,323	182,778	187,824
City delivery service.....	31,805	42,608	63,626	84,285	95,161	107,134	114,705	118,850
All other expenditures.....	10,405	13,552	28,049	39,801	41,987	41,864	43,827	44,904
Railway Mail Service.....	19,389	28,408	38,711	48,901	52,906	56,236	58,051	58,681
Rural Delivery Service.....	37,074	40,806	75,794	84,105	93,163	101,690	104,445	105,014
Transportation of domestic mail.....	61,940	76,914	99,520	138,005	142,141	139,428	145,400	146,154
By railroads.....	49,405	59,576	70,714	99,008	99,720	95,320	99,350	98,085
By other means.....	12,535	17,338	28,805	38,998	42,421	44,108	46,050	47,219
Transportation foreign mail.....	3,204	3,273	5,912	8,093	9,175	7,385	10,534	9,624
Payment account of invalid money orders.....	600	208	284	139	138	136	127	146
Post Office Department ¹				3,480	3,712	3,701	3,880	3,871

¹ Paid out of the General Treasury prior to 1923.

No. 372.—TRANSPORTATION OF DOMESTIC MAILES

NOTE.—Amounts, except as indicated, in thousands of dollars. Since Nov. 1, 1916, all service on steam railroads is authorized and paid for under the space basis system; formerly, payments were based on a system of quadrennial weightings. Railway mail space units of service vary in size and character and may consist of a car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, others are for storage only, over 20 classes of units being distinguished. The "equated unit" represents a calculation of the equivalent of all the different units in terms of a 60-foot car. Annual rate of expenditure (regular authorizations) represents estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. "Annual cost" includes emergency and side and transfer service. Average rates are based on "regular authorizations"

Class of service and item	Year ended June 30, or as of June 30 of year specified						
	1910	1915	1920	1925	1926	1927	1928
Steam railway service:							
Length of routes (miles).....	220,730	233,676	232,358	230,470	229,281	228,902	226,065
Annual travel (thousand miles)—							
Regular space units.....	1,426,923	1,499,011	561,827	579,256	575,732	575,120	572,938
Priorated to 60-foot car basis.....			218,349	226,395	227,408	229,044	231,540
Annual expenditure—							
Regular authorizations.....	49,302	58,149	83,781	88,991	89,135	80,811	90,175
Annual cost.....			89,661	107,491	106,656	107,181	107,643
Average rate of cost—							
Per mile of length (dollars).....	223.39	248.84	360.35	386.12	388.75	392.20	397.99
Per unit mile traveled (cents).....	111.55	111.65	14.90	15.36	15.48	15.61	15.73
Per 60-foot car mile (cents).....			38.34	39.31	39.20	39.13	38.97
Railway mail employees—							
Number of employees.....	16,795	19,599	20,407	20,693	20,411	20,550	20,864
Expenditure for salary.....	19,047	21,205	35,644	48,913	51,508	52,994	53,650
Electric railway service:							
Number of routes.....	539	569	543	268	279	262	254
Length of routes (miles).....	7,198	8,183	8,043	8,042	8,205	8,029	7,876
Annual travel of space units (thousand miles).....	11,630	13,948	11,752	10,487	10,327	10,510	10,211
Annual rate of expenditure.....	674	819	471	566	665	662	642
Average cost per unit mile traveled (cents).....	15.79	15.87	14.01	5.39	6.43	6.29	6.28
Power boat service:							
Number of routes.....	217	260	266	284	276	275	230
Length of routes (miles).....	27,256	32,402	34,642	49,791	46,871	45,625	41,206
Annual travel (thousand miles).....	4,829	5,685	3,992	5,283	5,591	4,908	5,212
Annual rate of expenditure.....	705	990	773	1,492	1,423	1,318	1,361
Average cost per mile traveled (cents).....	14.61	17.42	19.36	28.16	25.44	26.84	26.10
Air mail service:³							
Mileage scheduled (thousands).....	18	654	1,029	1,590	2,816	5,575	6,009
Miles traveled with mail (thousands).....	16	549	1,538	1,523	2,652	5,135	5,585
Mail carried (thousand pounds).....	18	527	1,225	1,503	4,364	4,033	4,182
Cost of service.....	14	1,264	1,413	1,493	2,872	3,619	4,043

¹ Annual travel in thousands of miles and average cost per mile traveled. Space basis was not in force.

² Exclusive of freight and express service to Alaska or New York Harbor service.

³ Contract service was inaugurated in 1926, Government service was discontinued in 1927. All data represent total service, except as otherwise noted.

⁴ Only specially paid air mail was carried in 1926, 1927, and 1928; data for 1926 represent Government service only.

Sources of Tables 371 and 372: Annual Reports of the Postmaster General.

No. 373.—CITY AND RURAL FREE DELIVERY AND STAR ROUTE SERVICE

NOTE.—Free city delivery was inaugurated in 1893; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Data in all cases relate to contracts or organization at June 30 and do not represent actual mileage traveled or expenditure during previous fiscal year. Star route service in Alaska is not included in the accompanying table, data for 1923 being as follows: Number of routes, 60; length, 8,844 miles; annual travel, 281,907 miles; annual rate of expenditure, \$141,485

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost (1,000 dollars)	Number of routes	Length of routes (miles)	Annual travel (1,000 miles)	Annual cost (1,000 dollars)	Number of routes (regular service)	Annual cost (1,000 dollars)
1870	51	1,362	1,290					7,205	5,050
1880	104	2,628	2,364					9,863	7,321
1885	178	4,358	3,986					12,371	5,415
1890	464	9,006	7,976					16,887	5,321
1895	004	12,714	12,180					20,783	5,754
1900	796	15,322	14,512	1,259	28,685		420	22,834	5,088
1905	1,144	21,778	20,919	32,110	721,237		20,865	17,109	7,347
1910	1,492	28,715	31,084	41,079	998,068	303,007	36,916	13,425	6,928
1912	1,021	29,962	34,153	42,199	1,021,492	810,906	41,859	12,699	6,815
1913	1,075	30,023	36,601	42,805	1,036,076	815,781	46,643	12,432	6,966
1914	1,769	32,292	40,999	43,652	1,060,679	822,432	47,877	11,970	8,001
1915	1,808	32,902	42,453	43,806	1,067,674	825,305	52,566	11,557	8,713
1916	1,864	34,114	43,137	42,927	1,088,070	826,435	51,952	11,391	8,466
1917	1,948	34,592	48,048	43,404	1,112,556	836,303	52,420	11,208	8,383
1918	1,982	34,593	49,095	43,453	1,127,110	844,100	52,196	10,968	8,606
1919	2,018	35,024	50,527	43,210	1,143,467	846,066	56,448	10,773	10,055
1920	2,086	36,142	74,933	43,445	1,151,832	848,627	76,602	10,739	11,106
1921	2,161	38,532	87,830	43,672	1,163,896	852,533	83,034	10,664	12,390
1922	2,229	39,485	80,908	44,186	1,180,448	857,254	84,430	10,715	12,041
1923	2,277	40,134	98,804	44,430	1,190,534	860,256	86,172	10,802	12,610
1924	2,325	43,829	97,892	44,760	1,205,714	863,970	86,765	10,892	12,736
1925	2,401	46,251	110,357	45,189	1,227,654	870,273	102,946	10,906	12,774
1926	2,522	48,238	126,219	45,318	1,240,978	877,046	104,117	10,991	12,955
1927	2,612	50,117	132,005	44,730	1,270,746	883,851	104,447	11,216	12,096
1928	2,809	61,293	136,528	44,288	1,289,618	890,054	105,008	11,472	13,541

No. 374.—POSTAL SERVICE: VOLUME OF CERTAIN ITEMS OF BUSINESS

NOTE.—For sales of postage stamps and other stamped paper and postage collected on second-class matter see Table 369

	Year ended June 30—						
	1910	1915	1920	1925	1926	1927	1928
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	9,067	11,226	13,213	17,337	16,333	16,000	16,676
Stamped envelopes and wrappers issued (millions)	1,507	1,794	2,350	2,097	3,002	3,146	3,210
Postal cards issued (millions)	723	976	986	1,497	1,408	1,384	1,872
Pieces of mail carried ¹ (millions)	14,860			25,835	25,484	26,687	26,837
Second-class matter carried:							
Free in county (1,000 pounds)	55,639	62,142	61,528	69,185	72,660	74,565	74,545
Paid at pound rates (1,000 pounds)	817,773	1,047,144	1,307,227	1,348,207	1,420,576	1,473,637	1,476,274
Foreign mails dispatched by sea:							
Letters (1,000 pounds)	3,142	3,401	4,008	5,640	5,630	6,131	6,574
Other articles (1,000 pounds)	17,832	22,848	66,725	66,229	64,316	70,731	76,045
Mail registered:							
Domestic, paid (1,000 pieces)	33,682	27,688	56,951	70,512	63,867	65,252	66,941
Foreign, paid (1,000 pieces)	4,782	4,325	11,300	10,993	10,134	9,334	8,721
Official, free (1,000 pieces)	3,589	5,297	8,663	8,414	8,357	7,943	8,132
Registry fees (1,000 dollars)	3,594	3,201	6,825	8,850	10,947	11,245	11,493
Mail insured:							
Domestic, parcel post (1,000 pieces)		18,012	95,385	152,078	137,686	133,210	131,764
International (1,000 pieces)				603	670	647	659
Total fees paid (1,000 dollars)		941	5,416	8,061	9,689	9,316	9,159
Mail sent C. O. D. ²							
Total pieces sent (1,000)		4,721	20,098	52,302	51,187	49,897	49,367
Total fees (1,000 dollars)		472	2,070	5,562	6,459	6,312	6,225

¹ Data are for continental United States and are estimates in 1910 and 1925. No estimates made in 1915 and 1920.

² Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries. Source of Tables 373 and 374: Annual Reports of the Postmaster General.

No. 375.—GROSS RECEIPTS, COST OF CITY DELIVERY SERVICE AND OF CLERK HIRE AT THE LARGER POST OFFICES: YEARS ENDED JUNE 30

Post office	Gross receipts (1,000 dollars)				Cost of city delivery, 1923		Cost of clerk hire, 1923	
	1920	1925	1927	1928	Amount (1,000 dollars)	Percent to receipts	Amount (1,000 dollars)	Percent to receipts
Total (35 post offices) . . .	237,410	332,740	390,828	396,566	71,584	18.52	99,979	25.86
New York, N. Y.	49,612	65,523	74,449	77,100	9,967	12.92	23,341	30.25
Chicago, Ill.	41,000	56,359	61,895	61,856	8,436	13.65	15,381	24.78
Philadelphia, Pa.	14,695	17,777	20,432	20,103	4,169	20.73	4,996	24.85
Boston, Mass.	11,124	14,769	17,164	17,269	4,852	28.09	5,675	32.86
St. Louis, Mo.	8,235	12,099	13,659	12,962	2,223	17.15	3,214	24.80
Detroit, Mich.	5,507	8,467	10,782	11,080	2,739	24.71	3,069	27.69
Kansas City, Mo.	6,036	9,424	11,067	10,905	1,188	10.89	1,995	17.47
Los Angeles, Calif.	3,583	8,065	9,553	10,012	2,434	24.30	2,494	24.91
Cleveland, Ohio	6,028	8,055	9,604	9,882	2,140	21.66	2,230	22.57
Brooklyn, N. Y.	5,466	7,412	8,967	9,278	3,922	42.27	3,080	33.19
San Francisco, Calif.	5,072	7,763	8,766	9,003	1,480	16.43	2,808	25.63
Pittsburgh, Pa.	4,076	6,826	7,792	7,636	1,773	23.23	1,835	24.04
Cincinnati, Ohio.	4,314	6,710	7,613	7,542	1,245	16.51	1,682	22.30
Baltimore, Md.	4,052	5,427	6,972	6,871	1,680	24.45	1,863	27.11
Minneapolis, Minn.	4,083	6,133	6,214	6,464	1,171	18.12	1,866	21.60
Washington, D. C.	3,536	4,770	5,731	5,880	1,272	21.70	2,276	38.84
Milwaukee, Wis.	2,583	4,712	5,448	5,805	1,130	19.47	1,058	18.23
Indianapolis, Ind.	2,563	4,280	4,803	4,791	895	18.66	1,187	24.78
Buffalo, N. Y.	3,325	4,633	4,916	4,762	1,429	30.00	1,281	26.90
St. Paul, Minn.	2,384	4,258	4,597	4,549	726	15.97	892	19.61
Atlanta, Ga.	2,748	3,470	4,456	4,525	561	12.40	923	20.40
Newark, N. J.	2,110	3,520	4,180	4,420	1,029	23.27	943	21.33
Dallas, Tex.	2,301	3,217	3,813	3,880	694	13.77	786	20.25
Denver, Colo.	2,356	3,281	3,686	3,732	719	19.26	735	19.70
Seattle, Wash.	2,232	2,993	3,415	3,463	818	23.62	912	26.35
Des Moines, Iowa.	1,992	2,875	3,284	3,327	346	10.38	503	15.11
Portland, Oreg.	1,788	2,776	3,097	3,110	744	23.92	767	24.66
Columbus, Ohio.	1,721	2,641	2,991	3,054	559	13.29	610	19.98
Omaha, Nebr.	2,312	2,846	3,032	3,037	620	20.41	764	25.15
Louisville, Ky.	1,705	2,619	2,966	2,999	681	19.39	729	24.30
Rochester, N. Y.	1,839	2,623	2,975	2,995	656	21.89	734	24.52
New Orleans, La.	1,999	2,651	2,794	2,801	634	22.62	851	30.37
Memphis, Tenn.	1,361	1,880	2,123	2,629	453	17.41	582	22.14
Toledo, Ohio.	1,531	2,021	2,405	2,391	547	22.87	513	21.47
Dayton, Ohio.	981	1,863	2,321	2,348	361	16.36	400	19.67
Hartford, Conn.	1,271	1,782	2,189	2,253	361	16.04	482	21.38
Richmond, Va.	1,376	1,966	2,197	2,252	442	19.91	503	24.93
Providence, R. I.	1,356	1,880	2,084	2,206	630	28.55	555	25.13
Houston, Tex.	1,252	1,579	1,933	2,064	389	18.86	487	23.59
Oakland, Calif.	702	1,517	1,971	1,985	650	32.72	530	26.70
Akron, Ohio.	1,191	1,275	1,637	1,846	392	21.20	373	20.18
Nashville, Tenn.	1,211	1,645	1,780	1,843	316	17.14	456	24.75
Albany, N. Y.	859	1,459	1,735	1,827	269	14.74	326	17.82
Birmingham, Ala.	853	1,319	1,697	1,754	387	22.00	432	24.05
Syracuse, N. Y.	1,145	1,493	1,728	1,744	431	24.70	422	24.20
New Haven, Conn.	1,012	1,495	1,733	1,737	368	21.16	442	25.46
Grand Rapids, Mich.	903	1,417	1,673	1,685	361	21.39	300	17.79
Oklahoma City, Okla.	982	1,371	1,608	1,637	214	14.89	374	22.84
Jersey City, N. J.	935	1,227	1,407	1,495	429	28.72	375	25.11
Scranton, Pa.	723	1,070	1,189	1,415	341	24.07	312	22.07
Salt Lake City, Utah.	904	1,257	1,373	1,403	338	24.13	368	26.26
Springfield, Mass.	885	1,204	1,317	1,378	347	25.14	357	25.83
Worcester, Mass.	833	1,067	1,262	1,247	358	28.72	318	25.52
Spokane, Wash.	799	1,033	1,149	1,171	261	22.29	259	22.16
Jacksonville, Fla.	670	962	1,275	1,110	258	23.28	322	28.69

Source: Reports of the Postmaster General.

No. 376.—POSTAL SERVICE: BY STATES AND OUTLYING AREAS

Division and State	Number of post offices, June 30, 1928	Mileage of rural free-delivery routes, June 30, 1928	Gross postal receipts ¹					
			1920	1924	1925	1926	1927	1928
			In thousands of dollars for years ended June 30					
Grand total	49,944	1,289,013	424,525	552,988	594,755	640,932	693,699	673,954
United States proper	49,580	1,289,595	423,463	551,723	593,427	639,532	692,218	672,445
New England	2,664	41,734	32,278	41,412	43,498	47,848	49,072	49,703
Maine	823	11,880	2,866	3,742	3,946	4,055	3,975	3,038
New Hampshire	378	6,057	1,604	2,010	2,035	2,230	2,292	2,323
Vermont	384	8,173	1,220	1,525	1,540	1,040	1,685	1,688
Massachusetts	646	7,730	18,913	23,878	25,064	27,193	28,536	28,669
Rhode Island	94	1,165	2,029	2,597	2,702	3,188	3,027	3,109
Connecticut	329	6,728	5,744	7,058	8,211	9,061	9,577	9,916
Middle Atlantic	5,756	111,439	117,897	152,757	161,532	178,029	185,028	190,060
New York	2,219	48,280	74,772	96,992	102,514	112,041	116,073	120,063
New Jersey	665	8,416	9,512	13,473	14,655	16,403	17,468	18,475
Pennsylvania	2,872	54,743	33,613	42,292	44,303	48,985	50,587	50,622
East North Central	6,443	294,491	107,343	141,774	151,924	168,546	172,066	174,274
Ohio	1,544	66,032	24,500	32,439	35,417	39,051	40,576	41,142
Indiana	1,044	37,300	9,226	13,099	13,774	14,976	15,554	15,755
Illinois	3,611	71,736	51,357	66,001	70,753	76,423	78,227	78,761
Michigan	1,182	61,806	13,109	17,784	18,978	21,616	22,920	23,364
Wisconsin	1,022	47,017	3,701	12,331	12,002	14,450	14,789	15,252
West North Central	7,424	317,232	58,971	70,131	73,365	78,861	80,794	80,297
Minnesota	1,206	51,389	10,847	15,342	15,836	16,023	16,844	17,063
Iowa	1,227	62,265	9,892	11,334	11,720	12,712	13,110	13,141
Missouri	1,771	69,034	18,624	25,721	27,230	29,652	30,785	29,896
North Dakota	686	27,537	2,062	2,179	2,360	2,534	2,582	2,668
South Dakota	637	23,506	2,066	2,391	2,539	2,736	2,775	2,783
Nebraska	860	35,331	5,504	6,470	6,663	6,932	7,101	7,180
Kansas	1,037	58,170	5,476	6,694	7,017	7,372	7,591	7,593
South Atlantic	8,965	176,056	34,415	43,830	46,072	52,971	53,726	53,227
Delaware	95	2,931	811	954	999	1,086	1,148	1,268
Maryland	673	11,108	5,292	6,799	7,101	8,512	8,802	8,095
District of Columbia	1	200	3,536	4,519	4,771	5,315	5,731	5,801
Virginia	2,195	28,154	5,621	6,963	7,236	7,810	7,941	8,070
West Virginia	1,890	10,910	3,154	4,289	4,395	4,639	4,830	4,781
North Carolina	1,470	38,378	4,138	5,640	5,814	6,272	6,454	6,593
South Carolina	663	24,654	2,289	2,522	2,530	2,669	2,662	2,652
Georgia	1,079	50,058	6,395	7,529	7,734	8,263	9,010	9,079
Florida	839	11,063	3,179	4,625	5,492	5,405	7,187	6,228
East South Central	5,605	131,007	15,546	20,019	20,576	22,371	22,916	23,927
Kentucky	2,071	24,436	4,392	6,202	6,283	6,723	7,018	7,088
Tennessee	652	42,216	5,289	6,853	7,107	7,724	7,835	8,441
Alabama	1,065	33,969	3,418	4,213	4,385	4,839	4,944	5,182
Mississippi	887	30,395	2,447	2,751	2,801	3,085	3,119	3,216
West South Central	5,653	141,394	24,678	29,077	30,646	33,539	35,150	35,797
Arkansas	1,371	21,830	2,928	3,454	3,585	3,838	3,888	3,837
Louisiana	946	11,257	4,015	4,373	5,055	5,438	5,445	5,445
Oklahoma	1,034	40,514	4,730	5,518	5,889	6,397	6,733	6,820
Texas	2,252	67,783	13,005	15,232	16,117	17,860	19,117	19,685
Mountain	3,378	33,954	12,178	14,396	15,004	15,776	16,259	16,551
Montana	840	6,507	2,016	2,112	2,180	2,236	2,303	2,397
Idaho	495	6,333	1,397	1,315	1,324	1,397	1,461	1,484
Wyoming	399	1,168	712	950	953	974	983	979
Colorado	733	14,400	4,398	5,882	5,878	6,222	6,425	6,497
New Mexico	552	2,432	679	890	900	948	991	1,012
Arizona	307	1,326	943	1,060	1,137	1,210	1,286	1,336
Utah	354	1,651	1,647	2,042	2,179	2,304	2,812	2,359
Nevada	176	147	886	442	453	479	508	487
Pacific	3,264	40,298	25,158	38,330	40,812	44,094	47,182	48,017
Washington	896	13,078	5,636	7,186	7,494	8,011	8,368	8,492
Oregon	774	8,739	3,324	4,663	4,809	5,172	5,387	5,361
California	1,594	18,481	16,198	26,476	28,509	30,911	33,477	34,764
Outlying offices	364	18	1,062	1,984	1,328	1,401	1,453	1,605
Alaska	171		82	65	71	78	82	90
Guam	1		1	2	2	2	2	2
Hawaii	92	18	352	533	611	634	645	710
Porto Rico	94		406	520	522	537	537	559
Samoa (Tutuila)	1		2	2	2		(³)	(³)
Virgin Islands	5		17	12	11	12	12	13
Philatelic agency				130	109	136	176	164

¹ Revenues from money-order business, postal savings, and certain miscellaneous items not included.
² Includes receipts from agencies in China, France, and Siberia.

³ Less than \$500.

Source: Annual Reports of the Postmaster General.

No. 377.—MONEY ORDERS: BY STATES AND OUTLYING AREAS

NOTE.—Amounts in thousands of dollars for years ended June 30. "Domestic basis" money orders include those to or from "domestic basis" foreign countries. For explanation see headnote, Table 370

Division and State	Domestic basis money orders				International money orders			
	Issued		Paid		Issued		Paid	
	1927	1928	1927	1928	1927	1928	1927	1928
Grand total.....	1,687,298	1,650,480	1,064,836	1,048,544	49,234	51,188	6,163	7,301
United States proper.....	1,653,449	1,635,468	1,058,250	1,041,740	48,694	50,667	6,142	7,280
New England.....	188,937	187,048	117,138	118,170	4,971	4,989	474	597
Maine.....	15,844	15,031	9,438	9,266	110	145	17	20
New Hampshire.....	9,772	9,773	5,080	5,087	102	102	9	9
Vermont.....	7,347	7,007	3,681	3,916	51	52	9	17
Massachusetts.....	71,049	69,720	70,005	74,708	3,070	3,030	270	294
Rhode Island.....	9,331	9,402	6,585	6,796	329	333	29	38
Connecticut.....	25,594	25,455	16,349	16,416	1,300	1,327	131	219
Middle Atlantic.....	397,975	395,472	442,494	435,074	22,180	24,066	2,285	3,296
New York.....	210,687	218,884	278,010	267,465	14,433	16,359	1,415	2,086
New Jersey.....	53,328	53,525	35,517	36,418	3,634	3,856	286	412
Pennsylvania.....	133,960	123,063	133,967	131,191	4,120	3,851	584	798
East North Central.....	347,809	337,681	470,320	456,800	9,477	9,347	1,546	1,523
Ohio.....	81,461	78,449	95,668	91,808	1,623	1,564	211	314
Indiana.....	35,636	34,714	42,854	42,070	796	684	64	129
Illinois.....	102,433	100,195	251,278	242,545	4,238	4,190	946	604
Michigan.....	82,839	79,002	52,153	52,038	1,903	2,008	218	255
Wisconsin.....	45,440	45,321	28,367	28,339	862	892	107	150
West North Central.....	101,718	103,775	179,259	181,214	1,045	1,847	324	386
Minnesota.....	35,264	36,003	47,650	51,130	448	444	93	102
Iowa.....	31,210	29,860	21,985	21,762	221	220	45	53
Missouri.....	34,486	34,430	76,144	74,712	453	466	100	121
North Dakota.....	13,318	16,123	4,828	5,108	54	55	17	21
South Dakota.....	14,786	14,470	6,643	5,876	52	72	16	14
Nebraska.....	14,182	15,251	11,800	11,962	160	164	34	62
Kansas.....	18,472	18,638	10,309	10,664	267	416	19	23
South Atlantic.....	100,952	176,053	158,315	148,074	1,110	1,069	264	320
Delaware.....	3,064	2,920	1,372	1,349	55	65	9	14
Maryland.....	17,139	17,575	33,270	29,687	1,623	243	30	41
District of Columbia.....	8,479	8,416	17,601	19,438	200	225	127	152
Virginia.....	23,183	22,733	16,798	15,995	103	104	13	11
West Virginia.....	30,908	27,606	10,168	10,101	75	78	32	50
North Carolina.....	23,884	23,962	13,407	13,325	65	65	5	6
South Carolina.....	18,827	14,841	7,964	7,780	28	20	5	3
Georgia.....	26,938	26,663	32,214	31,359	51	55	6	7
Florida.....	43,730	30,307	20,522	17,040	304	207	37	36
East South Central.....	74,522	78,501	43,188	48,176	158	178	23	29
Kentucky.....	19,730	19,155	11,190	10,760	55	59	8	11
Tennessee.....	16,806	17,688	15,708	21,731	43	47	6	6
Alabama.....	20,569	21,022	10,567	10,172	47	61	7	10
Mississippi.....	17,367	18,666	5,728	5,512	13	11	2	2
West South Central.....	124,374	128,992	81,667	82,613	1,331	1,502	277	241
Arkansas.....	17,592	18,344	9,186	9,181	17	15	5	5
Louisiana.....	21,227	20,476	15,002	13,103	125	117	24	15
Oklahoma.....	28,368	23,707	13,655	14,276	124	157	19	12
Texas.....	57,687	61,465	44,024	45,053	1,005	1,213	229	200
Mountain.....	80,982	80,850	45,678	47,206	1,547	1,556	142	158
Montana.....	16,544	17,087	6,908	7,088	204	231	21	27
Idaho.....	9,437	9,410	2,911	3,249	88	92	6	11
Wyoming.....	8,135	8,026	2,282	2,191	102	114	16	6
Colorado.....	17,720	16,967	16,426	16,293	322	318	40	57
New Mexico.....	8,299	8,390	3,132	3,065	113	134	7	6
Arizona.....	9,041	9,338	3,044	4,159	402	333	30	27
Utah.....	7,911	7,781	9,725	9,779	206	231	19	21
Nevada.....	3,805	3,791	1,350	1,382	105	102	3	3
Pacific.....	135,677	140,098	123,984	128,395	6,267	6,112	806	725
Washington.....	30,205	31,233	26,786	27,468	827	822	228	161
Oregon.....	16,631	17,167	17,404	16,983	423	377	38	40
California.....	88,751	91,698	79,794	83,944	5,002	4,913	540	584
Outlying offices.....	18,860	18,011	6,685	6,806	540	630	22	21
Alaska.....	2,926	3,006	332	506	92	90	1	1
Guam.....	53	64	3	4	4	5	(1)	(1)
Hawaii.....	5,512	6,753	1,765	1,853	391	395	18	17
Porto Rico.....	4,858	4,680	4,418	4,271	22	17	2	1
Samoa (Tutuila).....	32	24	-----	3	25	17	-----	1
Virgin Islands.....	459	484	67	108	6	6	1	1

1 Less than \$500.

Source: Annual Reports of the Postmaster General.

17.—TELEPHONE, TELEGRAPH, AND CABLE SYSTEMS

[Data cover public telephone systems and land (wire) and wireless commercial telegraph systems operated in continental United States and commercial cable systems operated by companies incorporated in United States]

No. 378.—TELEPHONE SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES, REVENUE, AND INVESTMENT

NOTE.—The more detailed data were collected only for companies reporting an annual income of \$5,000 or more previous to 1922 and \$10,000 or more in 1922 and 1927

[All money figures in thousands of dollars]

	1902 ¹	1907	1912	1917	1922	1927
ALL SYSTEMS						
Number of systems and lines.....	9,136	22,971	32,233	53,234	57,253	60,146
Miles of wire (thousands).....	4,900	12,990	20,248	28,827	37,200	63,836
Number of telephones (thousands).....	2,371	6,119	8,780	11,717	14,317	18,523
Number of calls originating with systems reporting (millions).....	(²)	(²)	(²)	21,846	24,643	31,614
Number of employees.....	(²)	(²)	(²)	262,629	312,015	375,272
Salaries and wages.....	(²)	(²)	(²)	175,670	352,926	486,597
Revenue, operating ³	(²)	(²)	(²)	363,832	695,568	1,023,574
Investment in plant and equipment.....	(²)	(²)	(²)	1,492,329	2,205,183	3,543,875
SYSTEMS REPORTING ANNUAL INCOME OF \$5,000 OR MORE, 1902-1917, AND THOSE REPORTING \$10,000 OR MORE, 1922 AND 1927						
Number of systems and lines.....	4,151	1,036	1,916	2,200	1,323	1,368
Miles of wire, total (thousands).....	4,850	11,922	19,019	27,298	35,503	63,277
Underground.....	(⁴)	(⁴)	9,165	14,849	21,440	39,893
Overhead.....	(⁴)	(⁴)	9,854	12,449	14,063	23,384
Exchange lines.....	(⁴)	(⁴)	16,330	23,723	30,907	54,281
Toll lines.....	(⁴)	(⁴)	2,683	3,576	4,596	7,996
Number of telephones (thousands).....	2,315	4,907	7,327	9,954	12,295	16,713
Number of central offices.....	10,361	10,613	11,515	12,294	10,066	11,485
Number of private-branch exchanges.....	7,893	28,276	52,651	80,914	102,022	(⁵)
Number of calls originating with systems reporting (millions).....	⁶ 5,071	10,400	13,738	19,809	21,901	28,199
Local exchange.....	⁶ 4,950	10,161	13,395	19,366	21,235	25,109
Long distance or toll.....	⁶ 121	240	341	443	666	1,087
Number of employees.....	78,752	131,670	183,361	244,490	290,333	356,729
Salaries and wages.....	36,256	65,009	96,041	169,655	341,538	475,840
Operators (included above):						
Number.....	39,358	72,518	96,332	138,971	159,558	(⁵)
Male.....	2,625	2,457	1,972	1,679	932	(⁵)
Female.....	37,333	70,061	94,360	137,292	158,626	(⁵)
Wages.....	10,765	22,687	32,474	66,137	138,897	(⁵)
BELL SYSTEM (INCLUDED ABOVE)						
Miles of wire (thousands).....	3,388	8,947	15,133	23,134	30,614	56,819
Number of telephones (thousands).....	1,317	3,132	5,087	7,327	9,515	13,723
Number of originating calls (millions).....	3,075	6,401	9,133	14,593	16,567	23,093
SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN \$5,000, 1902-1917, AND LESS THAN \$10,000, 1922 AND 1927						
Miles of wire (thousands).....	50	1,077	1,229	1,529	1,763	1,559
Number of telephones (thousands).....	53	1,212	1,403	1,763	2,052	1,810
Number of originating calls (millions).....	(⁴)	(⁴)	(⁴)	2,037	2,746	2,418

¹ Statistics for 1902 not strictly comparable with those for later years, except miles of wire and number of telephones.

² Not reported except for the larger systems and lines.

³ Including assessments of mutual companies.

⁴ Comparable data not available.

⁵ Not called for on schedule.

⁶ Number shown for all systems and lines.

Source: Bureau of the Census, Department of Commerce.

No. 379.—TELEPHONE SYSTEMS: MILES OF WIRE, NUMBER OF TELEPHONES, AND NUMBER OF ORIGINATING CALLS, ALL SYSTEMS AND LINES, BY STATES

Division and State	Miles of wire		Number of telephones				Tele- phones per 1,000 popu- lation, 1927	Number of originating calls (millions)	
	1922	1927	1902	1912	1922	1927		1922	1927
United States...	37, 265, 958	63, 836, 182	2, 371, 044	3, 722, 592	14, 347, 395	18, 522, 787	156	24, 648	31, 614
New England.....	3, 948, 608	5, 586, 569	166, 167	625, 498	1, 223, 497	1, 648, 931	199	1, 909	2, 328
Maine.....	210, 707	326, 120	14, 070	68, 014	113, 725	131, 367	166	181	214
New Hampshire.....	134, 829	211, 448	9, 949	40, 017	68, 874	83, 096	183	104	117
Vermont.....	78, 091	105, 045	12, 151	40, 142	54, 530	60, 793	172	83	84
Massachusetts.....	1, 908, 091	3, 165, 833	96, 512	329, 992	687, 700	867, 888	205	1, 100	1, 334
Rhode Island.....	213, 713	429, 451	41, 664	92, 766	114, 944	133, 018	103	125	117
Connecticut.....	800, 780	1, 348, 072	33, 485	104, 759	205, 902	290, 873	178	313	462
Middle Atlantic.....	10, 818, 580	19, 092, 689	483, 054	1, 782, 145	3, 249, 710	4, 588, 211	194	4, 326	6, 906
New York.....	6, 121, 690	11, 592, 418	247, 340	970, 449	1, 780, 663	2, 595, 537	227	2, 728	3, 955
New Jersey.....	1, 523, 354	3, 012, 459	48, 980	185, 032	383, 496	599, 336	160	473	774
Pennsylvania.....	3, 173, 630	5, 387, 812	186, 734	626, 004	1, 085, 651	1, 393, 338	143	1, 625	2, 199
East North Central.....	8, 763, 146	15, 223, 410	740, 059	3, 373, 257	3, 083, 101	4, 589, 751	187	0, 077	7, 588
Ohio.....	2, 415, 187	3, 658, 505	224, 083	631, 206	902, 837	1, 122, 030	167	1, 555	1, 958
Indiana.....	1, 058, 314	1, 558, 005	136, 501	354, 550	508, 726	552, 249	175	959	1, 061
Illinois.....	3, 000, 595	5, 688, 146	221, 008	807, 253	1, 283, 449	1, 685, 600	231	2, 018	2, 571
Michigan.....	1, 390, 945	2, 967, 217	95, 415	335, 074	508, 140	711, 315	158	856	1, 140
Wisconsin.....	838, 105	1, 351, 537	62, 992	250, 174	429, 949	518, 461	178	689	808
West North Central.....	4, 487, 007	8, 044, 901	399, 865	1, 621, 523	2, 315, 998	2, 594, 081	197	4, 083	4, 577
Minnesota.....	1, 147, 278	1, 422, 716	63, 192	272, 359	424, 777	457, 611	182	804	931
Iowa.....	757, 000	960, 227	138, 400	380, 294	533, 347	565, 533	233	808	916
Missouri.....	1, 247, 503	1, 983, 761	103, 155	404, 150	550, 980	657, 046	187	1, 046	1, 269
North Dakota.....	124, 873	140, 923	6, 762	51, 241	77, 586	86, 198	134	110	129
South Dakota.....	108, 414	154, 601	10, 387	65, 858	101, 595	107, 641	155	159	171
Nebraska.....	514, 374	606, 425	36, 700	201, 689	273, 500	295, 274	212	620	524
Kansas.....	256, 965	371, 246	41, 193	245, 932	354, 251	393, 878	216	636	637
South Atlantic.....	2, 448, 857	4, 244, 852	146, 765	531, 402	937, 324	1, 262, 222	79	1, 818	2, 426
Delaware.....	93, 591	113, 539		15, 842	23, 534	28, 901	119	41	53
Maryland.....	540, 080	930, 353	36, 383	84, 801	153, 790	197, 135	123	237	264
District of Colum- bia.....	214, 636	540, 152		46, 603	102, 231	144, 985	208	121	186
Virginia.....	379, 093	615, 286	25, 762	76, 652	155, 490	183, 693	72	267	382
West Virginia.....	229, 739	349, 596	22, 801	80, 251	116, 081	146, 677	86	203	279
North Carolina.....	190, 534	332, 455	17, 036	65, 152	116, 129	160, 507	55	274	379
South Carolina.....	129, 284	171, 678	10, 753	38, 239	54, 078	64, 616	35	125	146
Georgia.....	390, 382	538, 751	25, 761	96, 436	136, 334	173, 410	55	372	437
Florida.....	178, 149	561, 730	8, 209	32, 420	79, 667	162, 293	119	178	270
East South Central.....	1, 248, 559	2, 001, 125	112, 851	357, 292	521, 120	644, 270	69	1, 274	1, 537
Kentucky.....	467, 781	722, 120	49, 949	130, 751	201, 545	222, 735	88	429	485
Tennessee.....	359, 932	642, 090	36, 392	104, 353	171, 413	220, 550	39	479	550
Alabama.....	229, 934	421, 927	14, 170	56, 292	84, 401	121, 115	48	219	313
Mississippi.....	150, 912	214, 982	15, 340	45, 896	65, 761	79, 801	45	147	160
West South Central.....	2, 148, 789	3, 819, 976	114, 939	543, 102	872, 157	1, 149, 357	99	1, 963	2, 649
Arkansas.....	210, 398	318, 868	16, 928	68, 303	99, 490	113, 178	62	216	239
Louisiana.....	256, 372	560, 262	17, 543	46, 602	87, 854	137, 610	71	260	385
Oklahoma.....	424, 005	655, 102	15, 732	116, 217	222, 889	278, 012	117	462	681
Texas.....	1, 249, 014	2, 085, 744	64, 736	311, 980	462, 424	614, 657	114	1, 025	1, 444
Mountain.....	627, 662	1, 195, 550	48, 067	226, 652	385, 730	456, 198	114	636	780
Montana.....	120, 725	135, 636	5, 451	35, 537	55, 116	59, 238	33	75	91
Idaho.....	105, 027	111, 040	3, 886	29, 454	48, 745	54, 822	103	88	128
Wyoming.....	50, 223	60, 622	1, 728	9, 940	24, 940	28, 049	116	42	39
Colorado.....	412, 816	559, 873	24, 533	90, 397	150, 652	183, 250	171	247	313
New Mexico.....	37, 428	48, 765	2, 510	10, 346	18, 342	21, 550	55	33	35
Arizona.....	55, 518	89, 305	3, 264	11, 224	24, 353	33, 194	72	31	37
Utah.....	124, 193	167, 392	(*)	34, 064	53, 201	63, 106	121	104	127
Nevada.....	16, 732	25, 116	1, 165	5, 684	10, 313	12, 959	168	16	20
Pacific.....	3, 076, 750	5, 624, 110	159, 287	683, 731	1, 148, 760	1, 689, 746	245	2, 092	2, 671
Washington.....	533, 515	739, 138	31, 447	150, 016	238, 276	299, 107	192	449	554
Oregon.....	365, 342	490, 820	21, 190	99, 713	146, 847	185, 171	208	277	331
California.....	2, 174, 893	4, 694, 152	106, 650	434, 002	763, 638	1, 205, 466	272	1, 336	1, 686

* Includes Utah.

† Included with Wyoming.

Source: Bureau of the Census, Department of Commerce.

No. 380.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES: NUMBER OF TELEPHONES AND MILES OF WIRE

Dec. 31—	Total tele- phones ¹	Bell system		Dec. 31—	Total tele- phones ¹	Bell system	
		Tele- phones ²	Miles of wires			Tele- phones ²	Miles of wire
1895.....	339,500	309,502	675,415	1920.....	13,320,400	12,601,935	25,377,404
1900.....	1,365,900	855,911	1,901,801	1921.....	13,875,200	13,880,219	27,819,821
1905.....	4,130,900	2,530,924	5,779,918	1922.....	14,847,895	14,050,565	30,010,572
1910.....	7,035,400	5,832,719	11,642,212	1923.....	15,869,500	15,000,101	34,523,842
1915.....	10,523,500	9,172,495	18,505,545	1924.....	16,072,500	15,806,650	30,893,610
1916.....	11,241,400	9,893,610	19,850,316	1925.....	16,935,900	16,720,224	45,473,540
1917.....	11,710,520	10,539,576	22,010,437	1926.....	17,746,000	17,674,252	50,801,150
1918.....	12,077,000	11,065,999	23,346,132	1927.....	18,523,000	18,365,486	56,822,895
1919.....	12,668,500	11,795,747	24,162,690	1928.....	19,341,000	19,197,035	62,162,744

¹ Partly estimated, except as indicated.
² Bell-owned and Bell-connecting (owned by other companies).
³ From Bureau of the Census.

No. 381.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): SUMMARY OF STATISTICS

	1910	1915	1920	1925	1928	1927	1928
Operating statistics and employees as of Dec. 31 (in thousands, except as indicated)							
Exchange messages, daily average.....	21,681	25,184	31,835	46,702	40,080	52,581	56,196
Toll messages, daily average.....	603	819	1,327	2,098	2,375	2,614	2,839
Central offices (number).....	4,933	5,300	5,702	6,017	5,998	6,115	6,224
Miles of wire, total.....	11,042	18,506	25,377	45,474	50,861	56,823	62,193
Aerial wire.....	5,025	7,932	9,630	14,991	16,693	18,936	21,112
Underground wire.....	6,017	10,573	15,748	30,483	34,169	37,887	41,081
Exchange wire.....	9,678	16,052	21,604	39,841	44,564	49,279	53,416
Toll wire.....	1,964	2,453	3,773	5,633	6,297	7,544	8,777
Miles of phantom circuit ¹	116	197	508	795	947	1,140	1,238
Telephone stations, total.....	5,853	9,172	12,602	16,720	17,574	18,365	19,197
Bell-owned ²	3,933	5,963	8,334	12,035	12,810	13,726	14,525
Bell-connecting (owned by other companies).....	1,950	3,204	4,268	4,685	4,768	4,639	4,672
Employees (number).....	120,311	156,294	231,316	293,095	300,028	308,911	334,335
Income statement year ended Dec. 31 (in thousands of dollars) ³							
Gross revenues.....	165,613	239,910	461,135	761,219	844,546	916,587	1,008,048
Expenses.....	114,618	173,728	331,026	578,776	639,676	700,017	700,326
Net revenue.....	50,994	66,182	79,509	182,443	204,870	216,570	242,722
Interest.....	11,557	18,096	31,724	45,940	49,809	50,511	61,635
Net income.....	39,438	48,086	47,785	136,503	155,061	166,059	191,087
Dividends.....	25,161	32,897	40,000	93,243	100,614	112,401	119,348
Balance.....	14,277	15,189	7,785	43,260	54,447	63,655	71,730
Telephone plant, capital stock, and funded debt Dec. 31 (in thousands of dollars) ³							
Telephone plant.....	611,000	880,069	1,363,826	2,524,906	2,783,023	3,013,985	3,275,687
Capital stock.....	344,645	440,711	511,493	1,144,619	1,312,881	1,351,940	1,564,644
Funded debt.....	224,792	353,236	585,794	860,337	921,523	919,790	912,126

¹ A phantom circuit is an extra circuit obtained without use of additional line wires by special inter-connection of the four wires forming two existing physical circuits.
² Includes private line stations.
³ All duplications between companies excluded.
⁴ Does not include special nonrecurring dividend of \$47,938,865 received from Western Electric Co. (Inc.).
 Source of Tables 380 and 381: The American Telephone & Telegraph Co.

No. 382.—TELEPHONE SYSTEMS: REPORTS TO INTERSTATE COMMERCE COMMISSION

NOTE.—Companies engaged in interstate business are required to report both as regards interstate and intrastate business. Prior to 1923 the classification of companies based on the amount of annual operating revenues was as follows: Class A, over \$250,000; Class B, \$50,000 to \$250,000; Class C, \$10,000 to \$50,000. Class B now includes companies with revenues from \$100,000 to \$250,000 and Class C those with revenues from \$50,000 to \$100,000. The smaller companies, Class D, are not covered in the table

Year ended Dec. 31—	Miles of wire (thousands)	Number of company stations (thousands)	Operating revenues	Operating expenses	Operating income before deduction of taxes	Operating income after deduction of taxes	Investment	
							Plant and equipment	All other
Thousands of dollars								
All companies:								
1916	23,099	8,963	314,801	269,233	(1)	(1)	1,217,750	(1)
1917	20,405	9,432	346,101	239,161	(1)	(1)	1,311,574	(1)
1920	29,640		530,349			88,024	1,704,304	1,132,289
1922	35,473		634,134			133,505	2,019,726	1,223,699
1923	38,615		671,486	475,463		142,309	2,198,440	1,334,595
1924	44,066		729,826	513,779		156,713	2,501,828	1,481,939
1925	49,773	13,875	818,218	556,663	267,231	193,599	2,790,056	1,693,124
1926	56,021	11,812	907,594	608,150	294,925	219,503	3,101,797	1,744,637
1927	62,096	15,702	979,414	653,231	316,951	235,047	3,307,800	1,953,742
Class A companies:								
1920	27,402	9,294	486,427	375,372	112,069	81,362	1,518,660	1,092,698
1925	43,487	13,047	792,428	530,072	248,476	186,777	2,674,926	1,631,335
1927	60,723	14,877	952,149	639,203	307,821	228,012	3,237,984	1,951,825
1928	(1)	15,759	1,038,810	694,608	337,585	252,244	(1)	(1)
Class B companies: 1927	925	515	17,528	11,964	5,480	4,056	71,932	1,231,636
Class C companies: 1927	448	310	9,737	7,064	3,650	2,979	57,894	

¹ Data not available.
 Source: Interstate Commerce Commission.

No. 383.—WIRELESS TELEGRAPH SYSTEMS: SUMMARY OF STATISTICS

NOTE.—1917 omitted owing to war conditions

	1907	1912	1922	1927
Number of companies or systems	5	4	4	5
Number of messages	154,617	1 255,091	2,365,100	3,777,533
Number of tower stations	117	74	87	55
Income, total	\$106,791	\$669,158	\$8,111,102	\$24,829,340
Expenses, total	\$160,829	\$664,420	\$5,111,574	\$12,868,636
General operation and maintenance	\$117,480	\$638,712	\$3,534,474	\$5,116,261
Interest and taxes	\$5,562	\$7,826	\$156,467	\$249,435
All other expenses	\$37,287	\$67,882	\$1,420,642	\$7,500,937
Net income		\$4,738	\$2,999,528	\$11,962,704
Deficit	\$53,538			
Assets, total	\$32,858,897	\$10,377,197	\$46,494,909	\$31,147,512
Plant and equipment	\$317,614	\$1,205,770	\$34,716,814	\$35,751,304
Investment and marketable securities, long-term advances, and misc. investments			\$1,225,169	\$17,711,483
Cash and current assets	\$32,196,456	\$9,171,427	\$4,427,830	\$19,312,823
Materials and supplies			\$5,883,877	\$6,831,530
Sundries			\$241,210	\$1,387,342
Deficit	\$444,827			\$152,430
Liabilities, total	\$32,858,897	\$10,377,197	\$46,494,909	\$31,147,512
Capital stock	\$22,076,242	\$9,602,570	\$36,034,309	\$38,174,134
Paid and long-term debt			\$625,000	
Floating debt			\$659,280	\$320,061
Accounts payable	\$282,655	\$287,866	\$3,254,656	\$11,436,628
Reserves (depreciation and other)			\$4,040,280	\$17,206,630
Sundries		\$313,777	\$1,172,599	\$5,746,973
Surplus		\$172,934	\$808,885	\$8,262,186
Number of employees	176	958	1,258	1,095
Salaries and wages	\$31,771	\$393,606	\$2,095,506	\$2,558,170

¹ Includes 5,013 land messages sent over a leased wire by a wireless company doing a land-telegraph business also.
² Includes revenues from transmission for 1922, \$4,207,785; for 1927, \$6,229,133; other operating revenues, 1922, \$3,644,201; 1927, \$14,701,363; nonoperating income, 1922, \$259,116; 1927, \$3,811,587.
³ Includes sinking funds and stock and bond discounts.
 Source: Bureau of the Census, Department of Commerce.

TELEGRAPH AND CABLE SYSTEM: SUMMARY OF REPORTS TO THE INTERSTATE COMMERCE COMMISSION

[All money figures in thousands of dollars]

1 Dec. 31--	Miles of wire (thousands)	Investments		Operating revenues	Operating ratio (per cent)	Operating income	Net income	Dividends
		Plant and equipment	Other					
-----	1,926	149,936	(1)	74,847	73.77	(1)	13,956	6,066
-----	1,937	162,402	(1)	90,791	74.82	(1)	13,807	7,078
-----	1,781	288,007	21,275	153,204	-----	21,512	10,158	11,471
-----	1,858	279,970	20,549	139,663	-----	18,007	13,311	9,078
-----	1,874	279,402	19,907	135,190	-----	22,894	18,138	13,900
-----	1,894	288,481	27,001	144,610	81.11	21,025	16,856	9,309
-----	1,946	307,143	27,565	146,176	81.94	20,229	15,505	9,389
-----	2,076	321,687	28,191	162,693	81.64	23,204	18,854	9,099
-----	2,056	338,794	27,017	165,831	82.31	21,767	16,806	10,750
-----	2,207	379,514	27,434	170,843	80.58	25,714	21,040	11,618
Union Co.: 1927	1,783	267,386	25,543	131,771	80.04	20,197	15,193	7,081
Companies: 1927	354	62,891	354	26,515	92.91	1,309	610	-----

Available.

Interstate Commerce Commission.

—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: FINANCIAL STATISTICS

[All figures in thousands of dollars]

	1902	1912	1917	1922	1927
INCOME ACCOUNT					
-----	40,930	64,763	109,708	151,858	192,998
Operating traffic	35,301	60,403	106,090	146,305	177,589
Other sources	5,629	4,360	2,713	5,553	5,409
-----	30,948	58,379	91,871	127,991	159,158
Operating and maintenance	24,456	146,780	174,985	113,140	141,987
Depreciation and taxes	2,539	3,955	7,982	10,195	11,838
-----	3,953	7,044	18,954	14,666	25,328
-----	9,982	6,384	17,832	23,807	23,845
-----	6,257	6,180	9,817	10,716	14,199
BALANCE SHEET					
-----	195,594	298,289	368,017	459,499	572,939
Fixed equipment	161,680	222,047	243,358	320,062	426,699
Reserves and investments	25,940	35,934	56,035	78,839	52,270
Fixed current assets	7,884	442,308	468,624	458,969	493,970
-----	195,594	298,289	368,017	459,499	572,939
Operating stock	117,053	103,646	107,260	177,204	180,095
Operating debt	45,893	62,741	61,828	71,394	97,037
Operating liabilities	7,860	20,804	53,063	90,222	118,081
Operating plus	6,619	35,248	45,484	50,123	64,557
-----	18,079	15,850	34,782	70,517	113,219

* Charges for depreciation.

* Payment for use of leased lines.

* Income less all expenses, including depreciation; for 1917, 1922, and 1927, does not include charges for depreciation and other reserve funds.

* Sinking funds and stock and bond discount.

* Bureau of the Census, Department of Commerce.

No. 386.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: FINANCIAL STATISTICS

NOTE.—Western Union figures, which constitute the largest item of the totals, do not segregate land telegraph from ocean-cable business and are shown as totals under land telegraphs. Consequently, data in these columns overstate and those under ocean cables understate the true amounts

[All figures in thousands of dollars]

	Land systems				Ocean systems			
	1912	1917	1922	1927	1912	1917	1922	1927
INCOME ACCOUNT								
Income, total.....	58,293	92,954	130,539	162,860	8,470	16,749	21,319	20,137
Telegraph traffic.....	52,337	91,313	128,631	159,682	8,066	15,677	18,174	17,007
From other sources.....	3,956	1,642	1,908	3,178	404	1,072	3,145	2,230
Expenses.....	52,863	80,829	114,864	146,771	5,516	11,042	13,127	12,382
Net income.....	13,431	12,125	15,675	16,089	2,953	5,707	8,193	7,755
BALANCE SHEET								
Assets.....	190,708	226,407	321,913	412,720	107,583	136,810	137,587	160,219
Plant and equipment.....	² 143,911	² 163,488	254,030	338,143	⁸ 78,130	⁸ 79,871	72,632	88,556
Securities and investments.....	17,123	29,565	31,875	12,567	16,811	26,470	46,964	39,704
Cash and current assets.....	⁴ 29,672	⁴ 33,355	⁴ 36,008	⁴ 62,010	⁵ 12,636	⁵ 30,269	⁵ 17,961	⁵ 31,959
Liabilities.....	190,708	226,407	321,913	412,720	107,583	136,810	137,587	160,219
Capital stock.....	108,156	106,360	104,466	104,472	55,490	60,900	72,738	75,023
Funded debt.....	⁶ 34,741	⁶ 83,828	67,394	32,872	⁷ 28,000	⁷ 28,000	4,000	4,165
Reserves.....	5,255	20,627	46,778	64,607	16,649	33,036	43,449	53,424
Other liabilities.....	33,201	37,024	40,430	67,983	2,047	8,460	9,702	6,574
Net surplus.....	9,353	28,568	62,849	92,786	6,497	6,214	7,668	20,453

¹ Total income less all expenses, including depreciation; for 1917, 1922, and 1927 does not include charges for sinking and other reserve funds.

² Not including land-line-system plant and equipment to the value of \$20,000,000 reported as cable-system plant and equipment for 1912 and 1917. (In statistics for preceding censuses an item of \$20,000,000 funded debt, offset by the same amount for plant and equipment, was carried against ocean-cable telegraphs. This debt being really a land-line-system debt and being so reported for 1922, is eliminated from the figures for ocean-cable system.)

³ Includes land-line-system plant and equipment to the value of \$20,000,000 (see note ²).

⁴ Includes sinking funds and stock and bond discount.

⁵ Includes sinking and other special funds.

⁶ Not including land-line-system funded debt to the amount of \$20,000,000 reported as cable-system indebtedness in 1912 and 1917 (see note ²).

⁷ Includes land-line-system indebtedness to the amount of \$20,000,000 (see note ³).

No. 387.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES, AND WAGES

	1902	1912	1917	1922	1927
Miles of pole line ¹	237,990	247,628	241,128	252,091	256,809
Miles of single wire ²	1,318,350	1,814,196	1,890,245	1,853,250	2,146,822
Aerial.....	(³)	(³)	1,809,482	1,718,251	1,940,069
Underground.....	(³)	(³)	77,187	131,448	200,811
Submarine.....	(³)	(³)	3,570	3,551	5,942
Nautical miles of ocean cable.....	16,677	67,676	71,251	70,711	104,541
Number of officers.....	27,377	30,864	28,940	27,354	27,666
Operated jointly with railway companies.....	(³)	26,247	23,272	21,906	21,449
Telegrams, thousands.....	91,655	109,378	⁴ 127,074	191,121	229,511
Governmental.....	(³)	(³)	4,597	3,199	2,732
Full commercial rate.....	(³)	(³)	110,618	175,847	214,093
Contract rate and free.....	(³)	(³)	11,858	12,075	12,686
Number of employees.....	27,627	37,295	51,574	68,632	81,498
Salaries and wages (\$1,000).....	15,040	24,965	39,644	76,162	99,520

¹ Exclusive of pole line owned and operated wholly by railway companies.

² Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 214,329 miles; reported by railway companies having annual operating revenues of \$1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles. No data for 1902.

³ Figures not available.

⁴ In addition, 21,192,577 lettergrams, not distributed according to rate, were reported by land systems.

Source of Tables 386 and 387: Bureau of the Census, Department of Commerce.

No. 388.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES

NOTE.—The land business and the ocean business of the Western Union Telegraph Co. are not segregated in this table for 1912. The total (estimated) number of messages in 1912 was 103,536,418 on land systems and 5,841,280 on ocean systems

	Land systems				Ocean systems			
	1912	1917	1922	1927	1912	1917	1922	1927
Miles of pole line ¹	247,528	241,012	252,901	254,720	-----	116	-----	2,089
Miles of single wire ²	1,814,196	1,868,769	1,845,237	2,143,698	(3)	1,452	3,018	3,196
Aerial.....	(3)	1,808,325	1,714,211	1,938,833	(3)	1,157	4,040	1,236
Underground.....	(3)	76,892	127,475	198,911	(3)	205	3,973	1,960
Submarine.....	(3)	3,676	3,551	5,942	-----	-----	-----	-----
Nautical miles of ocean cable.....	-----	-----	-----	-----	67,676	71,251	76,711	104,841
Number of offices.....	30,781	28,826	27,214	27,500	83	114	140	106
Operated jointly with railway companies.....	26,247	23,272	21,906	21,449	-----	-----	-----	-----
Telegrams, thousands.....	106,533	120,823	181,519	222,062	2,945	6,451	9,608	7,449
Governmental.....	(3)	4,300	3,130	2,678	(3)	288	09	54
Full commercial rate.....	(3)	106,159	106,780	206,827	(3)	4,450	9,117	7,206
Contract rate and free.....	(3)	10,154	11,659	12,557	(3)	1,704	417	129
Number of employees.....	35,639	47,227	62,209	77,235	1,656	4,347	6,333	4,293
Salaries and wages (\$1,000).....	23,798	36,392	63,737	93,418	1,167	3,252	7,426	6,108

¹ Exclusive of pole line owned and operated wholly by railway companies.
² Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of \$1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles.
³ Figures not available.
⁴ In addition, 31,102,577 lettergrams, not distributed according to rate, were reported.

No. 389.—WESTERN UNION TELEGRAPH CO.: MILEAGE OF LINES AND WIRES, NUMBER OF OFFICES, AND FINANCES

Year ended—	Miles of pole line and cable	Miles of wire	Number of offices	Receipts	Expenses	Net income
June 30—				<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1867.....	46,270	85,291	2,555	3,568,925	3,944,006	2,624,920
1870.....	54,109	112,191	3,972	7,138,758	4,910,772	2,227,966
1875.....	72,833	178,496	6,565	9,664,575	6,335,415	3,229,158
1880.....	85,645	233,634	9,077	12,782,895	6,948,967	5,833,935
1885.....	147,500	462,283	14,184	17,706,834	12,005,910	5,700,924
1890.....	183,917	678,997	19,382	22,387,029	15,074,304	7,312,725
1895.....	189,714	802,651	21,860	22,218,019	16,076,630	6,141,389
1900.....	192,705	933,153	22,900	24,768,670	18,593,206	6,165,364
1905.....	200,224	1,184,557	23,814	29,033,635	21,845,970	7,188,065
1910.....	214,300	1,429,049	24,825	33,889,202	23,014,302	7,274,900
1913.....	238,033	1,558,181	26,000	47,423,443	42,956,934	4,466,508
Dec. 31—						
1913.....	237,807	1,552,170	25,060	46,899,267	42,327,121	4,572,146
1914.....	240,231	1,006,846	25,784	47,287,398	40,578,751	6,708,637
1915.....	238,940	1,610,709	25,142	52,476,721	40,972,541	11,503,180
1916.....	237,664	1,627,842	25,234	63,021,001	49,894,846	13,727,255
1917.....	238,766	1,626,963	25,466	78,480,223	62,783,006	15,097,217
1918.....	³ 247,303	1,382,547	25,452	⁴ 88,093,247	⁴ 76,713,028	⁴ 11,380,219
1919.....	245,600	1,433,978	25,159	⁴ 104,082,147	⁴ 90,312,033	⁴ 13,770,114
1920.....	246,214	1,449,710	24,881	121,473,685	108,134,041	13,339,644
1921.....	246,064	1,621,085	24,632	105,228,075	95,542,563	9,685,512
1922.....	242,729	1,534,069	24,580	107,116,306	93,910,964	13,205,352
1923.....	244,001	1,557,399	24,678	113,628,470	99,982,165	13,646,305
1924.....	246,742	1,593,063	24,478	115,235,563	101,815,734	13,419,829
1925.....	246,307	1,635,236	24,428	129,151,617	112,861,832	16,289,785
1926.....	249,918	1,068,293	24,688	136,406,026	121,098,832	15,307,194
1927.....	251,756	1,783,140	24,765	134,460,816	110,328,218	15,132,593
1928.....	255,088	1,889,632	24,842	139,387,321	123,817,517	15,569,804

¹ Estimated.
² Includes special payment to employees, \$1,166,424.
³ Figures readjusted.
⁴ Corporate and Federal.

Sources: Table 388, Bureau of the Census, Department of Commerce; Table 389, Annual Reports of the Western Union Telegraph Co.

18.—POWER—ELECTRIC AND OTHER

[Data in this section relate to continental United States]

No. 390.—ANNUAL SUPPLY OF ENERGY FROM MINERAL FUELS AND WATER POWER IN THE UNITED STATES

NOTE.—The figures, except coal equivalent, represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units. Data represent production, except those for oil imports, and take no account of changes in stocks

Annual average or year	An-thra-cite coal	Bi-tu-minous coal	Total coal	Do-mestic oil	Natu-ral gas	Im-port-ed oil	Water power ¹	Grand total fuels and water power	Equivalent in bituminous coal ²	
									Million tons (2,000 lbs.)	Per capita, tons
1871-1875.....	637	754	1,391	40	-----	-----	(0)	1,520	53	1.4
1876-1880.....	718	955	1,673	101	-----	-----	(0)	1,867	71	1.6
1881-1885.....	985	1,893	2,878	153	^a 24	-----	(0)	3,110	119	2.2
1886-1890.....	1,195	2,474	3,669	198	^a 284	-----	(0)	4,221	161	2.7
1891-1895.....	1,453	3,286	4,739	307	^a 166	-----	104	5,316	203	3.0
1896-1900.....	1,513	4,493	6,006	357	^a 198	-----	129	6,690	255	3.5
1901-1905.....	1,818	7,140	8,958	612	-----	-----	209	10,102	366	4.8
1906-1910.....	2,207	9,783	11,990	1,037	470	1	369	13,867	529	5.9
1911-1915.....	2,427	11,527	13,954	1,486	619	72	591	15,722	638	6.6
1916-1920.....	2,523	13,981	16,504	2,176	820	297	851	20,648	788	7.6
1921-1925.....	2,112	12,610	14,722	3,888	1,024	569	1,105	21,308	813	7.3
1913.....	2,490	12,636	15,025	1,491	620	102	588	17,831	681	7.1
1918.....	2,688	15,180	17,868	2,130	775	126	837	21,812	834	8.1
1925.....	1,681	13,625	15,306	4,832	1,278	371	1,230	22,827	871	7.5
1926.....	2,297	16,022	17,319	4,625	1,411	362	1,492	25,209	862	8.2
1927.....	2,179	13,666	15,744	5,407	1,554	350	1,687	24,742	944	8.0
Per cent of total—										
1901-1905.....	18.0	70.7	88.7	6.1	3.2	-----	2.1	100.0	-----	-----
1911-1915.....	14.5	68.9	83.4	8.9	3.7	0.4	3.5	100.0	-----	-----
1921-1925.....	9.9	59.2	69.1	13.2	4.8	2.7	5.2	100.0	-----	-----
1927.....	8.8	54.8	63.6	21.9	6.3	1.4	6.8	100.0	-----	-----

¹ The fuel equivalent for water power is calculated from the reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in the total.

² Calculated at 26,200,000 British thermal units per ton.

³ Based on the amount of coal displaced by gas, as estimated by the gas companies at the time.

Source: Bureau of Mines, Department of Commerce.

No. 391.—ELECTRICITY PRODUCED, CONSUMPTION OF FUEL, AND CAPACITY OF GENERATORS IN PUBLIC-UTILITY POWER PLANTS

NOTE.—Data prior to 1919 are totals for central stations and electric railways as reported by Bureau of the Census; thereafter they are estimated totals for all plants, based on returns from about 3,500 plants in 1919 to about 3,800 in 1928, each producing 10,000 kilowatt-hours or more per month, engaged in public service, including central stations, electric railways, steam railroads generating electricity for traction, and certain other plants. The capacity of plants reporting is about 95 per cent of that of all plants

Calendar year	Production of electricity			Consumption of fuel			Consumption—Coal or coal equivalent		Capacity of generators
	Total	Water power	Fuel power	Coal ¹	Fuel oil	Gas	Total	Per kilowatt-hour	
	Million kilowatt-hours	Million kilowatt-hours	Million kilowatt-hours	Thousand tons ¹	Thousand barrels ²	Million cubic feet	Thousand tons ¹	Pounds	
1902.....	4,768	-----	-----	-----	-----	-----	-----	-----	³ 2,112
1907.....	10,621	-----	-----	-----	-----	-----	-----	-----	4,432
1912.....	17,572	-----	-----	-----	-----	-----	-----	-----	7,670
1917.....	32,679	-----	-----	-----	-----	-----	-----	-----	11,919
1919.....	38,921	14,696	24,315	35,100	11,050	21,406	38,880	3.2	13,094
1920.....	43,555	16,150	27,405	37,124	13,123	24,702	41,420	3.0	14,399
1921.....	40,975	14,970	26,005	31,535	12,045	23,722	35,240	2.7	15,483
1922.....	47,654	17,207	30,447	34,179	13,197	27,172	38,000	2.5	15,971
1923.....	55,665	19,343	36,322	38,966	14,684	31,433	43,622	2.4	17,369
1924.....	50,014	19,969	30,044	37,556	16,630	48,443	43,130	2.2	19,619
1925.....	65,870	22,356	43,514	40,222	10,246	46,621	44,780	2.1	23,619
1926.....	73,701	26,189	47,602	41,311	9,309	53,207	45,856	1.95	25,398
1927.....	80,205	29,875	50,330	41,888	6,732	62,919	45,910	1.84	27,691
1928.....	87,860	34,696	53,164	41,350	7,158	77,326	46,357	1.76	29,630

¹ Of 2,000 pounds.

² Of 42 gallons.

³ Partly estimated.

Sources: 1902 to 1917, Bureau of the Census, Department of Commerce; thereafter, Geological Survey, Department of the Interior.

No. 392.—PRODUCTION OF ELECTRIC POWER AND CAPACITY OF GENERATORS IN PUBLIC UTILITY POWER PLANTS: By States

[Production in millions of kilowatt-hours; capacity of generators in thousands of kilowatts]

Division and State	Production of electric power										Capacity of generators, 1928
	Total					Generated by water power		Generated by fuel power			
	1920	1922	1924	1926	1927	1928	1920	1928	1920	1928	
United States.....	43,555	47,654	59,014	73,791	80,205	87,850	16,150	34,696	27,406	53,154	29,630
New England.....	3,407	3,730	4,335	5,166	5,471	6,359	1,134	2,378	2,273	3,681	2,566
Maine.....	352	405	474	544	627	694	844	690	9	4	193
New Hampshire.....	97	196	216	204	270	302	61	268	36	33	102
Vermont.....	200	137	224	265	268	452	196	445	4	8	170
Massachusetts.....	1,740	1,550	2,008	2,499	2,609	2,751	358	680	1,882	2,071	1,306
Rhode Island.....	334	411	427	476	490	490	6	5	328	485	248
Connecticut.....	684	731	806	1,118	1,195	1,270	169	290	515	980	537
Middle Atlantic.....	12,349	13,062	16,308	20,527	21,717	22,657	3,665	6,525	8,684	16,132	7,406
New York.....	6,939	7,421	9,289	11,333	11,989	13,030	3,090	5,573	3,909	7,458	4,150
New Jersey.....	1,096	1,112	1,304	1,737	1,904	2,085	2	32	1,094	2,053	674
Pennsylvania.....	4,314	4,529	5,713	7,457	7,825	7,542	693	920	3,681	6,622	2,572
East North Central.....	9,958	10,876	13,791	17,664	18,843	20,947	1,392	2,627	3,576	13,320	6,754
Ohio.....	2,330	3,043	3,702	4,761	4,950	5,539	28	44	2,902	5,494	1,846
Indiana.....	933	1,077	1,293	1,733	1,894	1,939	35	123	898	1,802	687
Illinois.....	3,043	3,498	4,665	5,930	6,319	6,996	185	202	2,558	6,704	2,178
Michigan.....	2,093	2,180	2,697	3,393	3,774	4,347	672	1,138	1,421	3,205	1,322
Wisconsin.....	660	1,004	1,430	1,821	1,930	2,106	463	1,055	497	1,051	722
West North Central.....	3,179	3,568	3,934	4,587	4,841	5,126	1,166	1,757	2,013	3,369	2,068
Minnesota.....	703	788	870	1,040	1,054	1,065	410	712	303	353	484
Iowa.....	1,017	1,042	1,175	1,345	1,411	1,521	662	888	354	663	440
Missouri.....	698	871	889	913	958	981	46	75	652	916	487
North Dakota.....	28	32	39	48	57	84			28	85	47
South Dakota.....	48	56	66	89	88	106	13	12	38	94	82
Nebraska.....	247	284	308	395	431	464	15	35	235	430	188
Kansas.....	438	496	557	700	842	893	21	37	417	857	360
South Atlantic.....	3,980	4,851	6,860	7,197	8,768	10,500	1,614	5,532	2,395	4,968	3,764
Delaware.....	76	85	85	110	120	100			76	100	32
Maryland.....	283	394	482	588	602	1,477	3	878	280	599	610
District of Columbia.....	255	232	315	381	414	407		11	255	450	170
Virginia.....	521	638	744	926	1,050	1,108	203	315	118	354	408
West Virginia.....	1,128	1,451	1,769	1,807	2,048	2,045	23	173	1,106	1,872	570
North Carolina.....	260	443	647	1,117	2,087	2,226	208	1,068	51	287	733
South Carolina.....	730	869	944	1,038	1,117	1,399	673	1,264	67	135	491
Georgia.....	595	628	749	711	710	981	491	906	104	75	358
Florida.....	133	160	218	510	582	637	13	17	120	619	358
East South Central.....	1,464	1,535	2,064	3,049	3,408	3,326	840	2,641	623	985	1,497
Kentucky.....	278	315	405	514	566	625		285	276	340	339
Tennessee.....	573	612	694	894	929	956	441	707	132	249	328
Alabama.....	550	647	890	1,583	1,807	1,695	399	1,649	150	46	774
Mississippi.....	66	60	74	59	46	50			66	50	57
West South Central.....	1,230	1,463	1,923	2,640	3,315	4,035	7	53	1,222	3,662	1,230
Arkansas.....	119	131	155	164	167	150			117	110	91
Louisiana.....	210	250	308	620	633	821	1	40	219	821	147
Oklahoma.....	214	266	331	463	676	844			212	839	294
Texas.....	679	817	1,129	1,493	1,839	2,221	2	4	675	2,212	716
Mountain.....	2,581	2,390	2,969	3,425	3,690	3,918	2,247	3,423	384	490	973
Montana.....	1,126	985	1,145	1,408	1,395	1,619	1,110	1,605		14	226
Idaho.....	501	616	703	811	896	948	589	946	7	2	224
Wyoming.....	47	39	54	59	66	84	2	29	44	54	44
Colorado.....	307	403	490	562	551	541	135	227	213	314	212
New Mexico.....	15	17	20	26	33	52	1	1	14	51	25
Arizona.....	159	145	153	172	273	336	107	285	51	51	99
Utah.....	212	146	267	350	388	283	212	281	(*)	1	132
Nevada.....	34	39	42	37	51	55	33	53		1	10
Pacific.....	5,408	6,178	7,748	9,537	10,392	11,392	4,094	9,754	1,314	1,628	3,382
Washington.....	1,197	1,236	1,504	1,808	2,122	2,361	1,154	2,235	43	126	606
Oregon.....	476	513	673	851	845	1,041	371	784	105	287	298
California.....	3,736	4,380	5,566	6,898	7,356	7,980	2,569	6,765	1,167	1,215	2,508

* Less than 500,000 kilowatt-hours.

Source: Geological Survey, Department of the Interior.

No. 393.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, OUTPUT, AND SALES

Note.—A central electric station is one selling current to public or private consumers, or a municipal plant supplying current for streets, public buildings, etc. Isolated or private plants operated solely for the benefit of the owner in connection with factories, mines, stores, hotels, institutions, etc., which in the aggregate produce great quantities of current, are not included. The business of electric street railways is shown only so far as that portion of their business relating to the sale of current can be segregated. Electric plants operated by the Federal or State Governments are excluded even when they sell current to private consumers. One central electric station often sells current to another, so that there is considerable duplication in total sales. Net sales are considerably less than current generated because of wire losses, self consumption, etc.

	All central electric stations					
	1902	1907	1912	1917	1922	1927
Number of stations	3,620	4,714	5,221	6,542	6,355	4,334
Prime movers, horsepower	1,845	4,098	7,530	12,937	10,851	36,710
Steam engines	1,394	1,870	1,835	1,702	1,371	1,057
Steam turbines		817	3,054	6,747	12,855	24,261
Water wheels and turbines	430	1,349	2,409	4,277	5,822	9,844
Internal-combustion engines	12	56	111	210	303	548
Dynamos:						
Number	12,484	12,173	12,610	13,428	12,701	11,967
Kilowatt capacity	1,212	2,709	5,165	8,094	14,313	25,311
Output			14,183	31,044	50,274	90,829
Generated	2,507	5,862	11,569	25,438	40,292	74,687
Purchased	(²)	(²)	2,614	5,606	9,083	22,142
Sold	(²)	(²)	(²)	25,752	41,965	79,011
Sales to ultimate consumers	(²)	(²)	(²)	(²)	32,948	63,612
Sales for resale	(²)	(²)	(²)	(²)	9,017	15,399
Number of customers	(³)	1,047	3,838	7,170	12,710	21,790
Salaried employees	6,906	12,990	26,093	35,406	55,112	101,381
Salaries	5,664	11,734	24,307	36,788	86,951	(³)
Wage earners	23,330	34,642	53,242	70,135	95,650	149,605
Wages	14,983	23,687	36,555	58,454	125,481	(³)

¹ The term "station" as here used may represent a single electric station or a number of stations operated under the same ownership.

² Figures not available.

³ Salaries and wages were not reported for 1927 by municipal plants. Commercial plants reported 95,917 salaried employees, with salaries amounting to \$166,340,946, and 138,796 wage earners, with wages amounting to \$201,290,810. The percentages which the salaried employees and wage earners reported by the commercial plants formed of the corresponding totals for both commercial and municipal plants were 94.8 and 92.8, respectively.

⁴ Average number for the year.

⁵ Number Sept. 16, 1912; Sept. 29, 1917; June 30, 1922; and June 30, 1927, or nearest representative day.

No. 394.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, AND FINANCES OF COMMERCIAL AND MUNICIPAL STATIONS

NOTE.—See headnote to Table 393

	Commercial stations				Municipal stations			
	1912	1917	1922	1927	1912	1917	1922	1927
Number of establishments	3,650	4,224	3,774	2,137	1,562	2,318	2,581	2,198
Horsepower of prime movers	6,971	12,078	18,571	33,691	569	859	1,280	2,049
Capacity of dynamos								
thousands of kw.	4,769	8,412	13,407	24,383	397	582	906	1,428
Current millions of kw. hrs.	13,557	29,812	47,833	92,299	626	1,232	2,441	4,529
Generated	11,032	24,399	38,413	71,307	537	1,039	1,878	3,379
Purchased	2,525	5,413	9,420	20,992	80	193	663	1,150
Sold								
To ultimate consumers	(¹)	24,723	{ 30,941	{ 60,537	(¹)	1,029	{ 2,007	{ 3,075
For resale			{ 8,971	{ 14,808			{ 45	{ 691
Customers	3,312	6,202	11,065	19,661	526	977	1,645	2,129
Employees	71,895	94,679	136,105	234,713	7,940	10,852	14,657	16,273
Income	279,054	486,634	956,084	1,841,227	23,219	40,200	85,486	122,437
Expenses	217,660	395,127	792,490	1,315,255	16,917	31,441	67,129	(¹)
Assets	2,490,023	3,681,973	5,504,614	12,950,388	86,521	148,345	238,023	(¹)
Value of plant and equipment	2,098,613	2,933,017	4,229,356	8,880,291	77,065	127,375	235,060	417,097
—1,000 dollars								

¹ Not called for on schedule.

² Includes plant and equipment valued at \$902,057,279, not separated as to electric light and power and other properties.

Source of Tables 393 and 394: Bureau of the Census, Department of Commerce.

No. 395.—CENTRAL ELECTRIC STATIONS: STATISTICS OF COMMERCIAL

[See headnote]

Division and State	Horsepower of prime movers (thousands)				Millions of kilowatt-hours generated			
	Total		Steam engines and turbines and internal-combustion engines, 1927	Water wheels and turbines, 1927	1907	1913	1917	1922
	1922	1927						
Continental United States	19,851	35,710	25,866	8,844	5,692	11,569	25,436	40,202
New England	1,989	3,009	2,200	759	474	885	1,536	2,070
Maine.....	123	252	50	202	66	117	166	278
New Hampshire.....	72	157	61	96	55	127	160	96
Vermont.....	139	204	20	194	30	43	65	218
Massachusetts.....	1,065	1,529	1,340	189	219	386	937	1,493
Rhode Island.....	223	264	262	2	36	62	162	342
Connecticut.....	354	603	517	86	67	131	346	544
Middle Atlantic	5,080	8,615	6,907	1,708	2,009	3,549	7,659	10,768
New York.....	2,684	4,212	2,783	1,424	1,453	2,175	3,829	5,431
New Jersey.....	475	1,004	997	7	141	384	781	1,058
Pennsylvania.....	1,901	3,399	3,122	277	417	990	3,049	4,277
East North Central	4,588	8,668	7,868	802	1,078	2,528	5,757	9,388
Ohio.....	1,212	2,354	2,331	23	217	399	1,084	2,404
Indiana.....	451	870	822	48	130	237	441	795
Illinois.....	1,405	2,904	2,838	66	468	1,151	2,210	3,090
Michigan.....	945	1,619	1,263	356	208	526	1,504	2,103
Wisconsin.....	575	921	612	309	53	215	518	976
West North Central	1,610	2,871	2,227	444	386	713	1,776	2,969
Minnesota.....	313	516	342	174	88	186	441	589
Iowa.....	331	649	443	206	38	67	615	859
Missouri.....	429	618	626	22	147	233	266	701
North Dakota.....	43	56	56	-----	8	12	23	40
South Dakota.....	53	70	63	7	14	26	32	62
Nebraska.....	155	250	220	21	32	56	130	246
Kansas.....	286	482	468	14	00	133	270	473
South Atlantic	1,910	4,394	2,665	1,669	266	730	1,745	3,789
Delaware.....	430	695	669	26	78	118	326	622
Maryland.....	163	502	404	98	10	29	108	319
Dist. of Columbia.....	393	755	670	85	26	42	204	1,199
Virginia.....	231	773	301	472	13	71	872	404
West Virginia.....	449	709	164	536	69	367	500	844
South Carolina.....	149	609	196	473	59	88	184	268
Georgia.....	95	360	351	9	12	26	51	131
East South Central	717	1,447	779	669	119	223	1,049	1,420
Kentucky.....	135	395	257	138	37	78	123	232
Tennessee.....	204	456	283	173	35	76	565	493
Alabama.....	320	508	151	357	31	49	331	634
Mississippi.....	59	88	88	-----	16	28	30	62
West South Central	628	1,563	1,532	31	138	284	483	1,041
Arkansas.....	57	131	117	14	12	18	39	84
Louisiana.....	44	277	277	-----	26	18	26	52
Oklahoma.....	162	300	298	2	25	49	101	243
Texas.....	362	855	840	15	76	149	317	662
Mountain	1,005	1,406	386	1,020	381	845	2,036	2,209
Montana.....	356	378	15	363	137	379	965	985
Idaho.....	209	307	4	303	10	116	145	531
Wyoming.....	41	45	4	5	5	12	27	39
Colorado.....	153	299	190	79	123	165	274	299
New Mexico.....	20	33	32	1	5	9	17	22
Arizona.....	82	153	48	105	9	33	66	147
Utah.....	129	199	50	149	62	87	487	146
Nevada.....	16	19	3	16	30	45	54	45
Pacific	2,355	3,937	1,224	2,713	1,012	1,878	3,097	5,759
Washington.....	512	845	149	699	258	51	242	1,144
Oregon.....	107	308	139	169	93	79	108	267
California.....	1,735	2,781	936	1,845	662	1,747	2,747	4,348

! Less than 500,000 kilowatt-hours.

AND MUNICIPAL PLANTS WITH CURRENT GENERATED AND SOLD, BY STATES

to Table 393]

Millions of kilowatt-hours generated—Continued			Millions of kilowatt hours sold, 1927—		Income (in thousands of dollars), 1927—		Division and State
1927	Commercial stations, 1927	Municipal stations, 1927	To ultimate consumers	For resale	From sale of electric current to ultimate consumers	From electric current sold for resale	
74,696	71,307	3,379	68,612	15,389	1,667,045	135,610	Continental United States.
4,750	4,060	90	3,956	1,868	138,141	13,653	New England.
561	557	4	473	41	8,819	420	Maine.
220	225	1	151	27	6,607	298	New Hampshire.
339	322	17	127	195	4,397	1,667	Vermont.
2,245	2,182	63	2,019	988	75,943	10,578	Massachusetts.
411	411	—	378	376	12,451	3,355	Rhode Island.
963	963	5	808	241	28,334	2,335	Connecticut.
19,282	19,158	124	17,869	3,419	475,197	24,704	Middle Atlantic.
9,018	9,540	78	9,378	1,678	242,482	10,794	New York.
1,862	1,852	10	1,688	52	68,507	19,557	New Jersey.
7,502	7,400	36	6,803	1,689	164,208	13,353	Pennsylvania.
18,212	17,329	883	15,257	3,840	403,177	32,408	East North Central.
4,724	4,429	295	4,224	698	111,878	6,856	Ohio.
1,740	1,590	156	1,522	411	45,288	4,014	Indiana.
6,075	5,876	199	4,932	1,938	123,474	14,147	Illinois.
3,774	3,595	177	3,225	251	70,040	2,624	Michigan.
1,393	1,337	56	1,354	542	38,497	4,767	Wisconsin.
4,549	4,134	415	4,061	563	140,750	9,534	West North Central.
843	784	59	924	96	31,045	1,643	Minnesota.
1,429	1,375	54	685	180	26,521	2,990	Iowa.
801	839	52	1,452	120	41,978	1,547	Missouri.
60	56	4	48	5	3,799	223	North Dakota.
90	75	15	67	12	4,797	402	South Dakota.
405	340	65	301	70	12,627	1,434	Nebraska.
831	695	166	584	70	19,983	1,295	Kansas.
8,445	8,187	258	7,015	1,361	153,834	15,869	South Atlantic.
1,102	1,085	17	1,236	83	31,615	1,168	Delaware.
974	933	41	687	15	17,120	161	Maryland.
1,003	1,002	1	970	1,163	21,451	6,818	Dist. of Columbia.
2,036	1,997	39	1,908	869	27,313	4,112	Virginia.
1,116	1,112	4	799	165	13,032	1,510	West Virginia.
746	733	13	980	141	20,466	1,563	North Carolina.
563	425	143	435	25	22,807	537	South Carolina.
2,777	2,706	71	2,455	1,243	59,820	9,204	Georgia.
505	487	18	548	171	17,686	1,887	Florida.
937	914	23	748	271	18,254	2,257	East South Central.
1,270	1,264	6	1,039	797	17,790	5,013	Kentucky.
65	41	24	120	4	6,060	47	Tennessee.
3,275	3,123	152	2,703	582	89,947	5,890	Alabama.
174	161	13	186	36	8,421	403	Mississippi.
635	598	37	447	143	14,412	1,237	West South Central.
654	605	49	597	72	20,692	1,071	Arkansas.
1,312	1,759	53	1,473	311	46,422	3,179	Louisiana.
3,390	3,329	61	2,867	121	51,159	1,586	Oklahoma.
1,399	1,399	(†)	1,197	11	10,595	112	Texas.
713	704	9	264	21	5,405	141	Mountain.
67	65	2	49	7	2,533	211	Montana.
500	466	34	397	17	13,942	326	Idaho.
33	32	1	26	2	1,013	38	Wyoming.
230	279	1	202	46	5,273	639	Colorado.
341	327	14	688	10	9,532	155	New Mexico.
57	57	(‡)	64	7	1,666	64	Arizona.
10,006	8,681	1,325	7,439	1,332	155,020	17,782	Utah.
2,105	1,639	466	1,620	179	25,498	1,394	Nevada.
840	810	30	658	48	13,898	354	Pacific.
7,001	6,232	829	5,161	1,605	115,624	16,014	Washington.
							Oregon.
							California.

Source: Bureau of the Census, Department of Commerce.

No. 396.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars. See headnote to Table 393]

	Commercial electric stations						Municipal electric stations
	1902	1907	1912	1917	1922	1927	1927
INCOME ACCOUNT							
Income, total.....	78, 738	161, 630	279, 054	486, 634	986, 684	1, 841, 227	122, 437
Electric service, total.....	77, 350	158, 000	264, 476	463, 474	936, 852	1, 680, 218	122, 437
Commercial and domestic light and power.....	57, 195	122, 885	205, 974	373, 280	773, 111	1, 424, 908	100, 649
Municipal lighting.....	16, 130	19, 772	27, 131	31, 462	40, 854	66, 141	11, 058
Sales to other public service corporations.....	4, 025	13, 343	30, 857	57, 207	122, 321	189, 079	10, 730
Value of free service.....	(1)	(1)	613	625	566	(1)	(1)
Interest and dividends from investments.....	(1)	(1)	4, 869	8, 807	16, 527	53, 959	(1)
Other sources.....	1, 386	5, 630	9, 710	15, 353	33, 305	107, 050	(1)
Expenses, total.....	62, 835	123, 880	217, 060	395, 127	792, 496	1, 318, 255	(1)
Fuel.....	10, 190	19, 825	30, 502	78, 286	146, 323	157, 912	-----
Current purchased.....	2, 007	6, 081	16, 913	35, 733	79, 637	143, 711	-----
Supplies, materials, and miscellaneous.....	14, 751	27, 897	27, 565	48, 118	80, 492	121, 520	-----
Rent of offices, conduits, etc.....	1, 272	2, 884	4, 214	9, 331	18, 026	(2)	-----
Salaries and wages.....	18, 767	31, 935	55, 059	86, 473	194, 148	367, 632	-----
Taxes.....	2, 655	6, 346	13, 117	29, 397	73, 123	150, 253	-----
Injuries, damages, insurance.....	1, 074	2, 070	3, 310	5, 145	10, 209	(1)	-----
Interest.....	12, 119	26, 842	46, 865	71, 145	125, 396	269, 602	-----
Depreciation.....	(1)	(1)	17, 989	26, 292	59, 273	107, 616	-----
Sinking and reserve funds.....	(1)	(1)	1, 520	4, 157	5, 064	(1)	-----

1 Not called for on schedule.

2 No comparable data.

Source: Bureau of the Census, Department of Commerce.

No. 397.—PROPORTION OF "ELECTRIFICATION" OF FACTORY POWER EQUIPMENT

Item	Horsepower (thousands)			
	1914	1923	1925	1927
Combined capacity of prime movers and electric motors using purchased current.....	22, 291	33, 057	35, 773	39, 035
Electric motors operated by prime movers owned by factories.....	4, 939	8, 819	10, 255	11, 216
Estimated capacity of prime movers used to actuate these motors.....	3, 550	6, 350	7, 380	8, 080
Electric motors using purchased current.....	3, 883	13, 333	15, 869	19, 144
Total last two items, "Electrified" equipment.....	7, 435	19, 683	23, 249	27, 224
Per cent of total power equipment.....	33	60	65	70
Capacity of all prime movers in factories.....	18, 406	19, 724	19, 904	19, 891

Source: Basic figures from Bureau of the Census.

No. 398.—RETAIL PRICES OF ELECTRICITY IN PRINCIPAL CITIES

NOTE.—Net price in cents per kilowatt hour, electricity for household use. For cities having more than one tariff for domestic consumers rates are shown for the schedule or schedules under which most residences are served. "Demand" is a term applied to an amount of current consumption bearing a given ratio to the capacity of consumers' installation as a basis for graduating rates. The method of determination varies from city to city. For example, in Buffalo the lighting demand is 25 per cent of the total installation, but not less than 250 watts. If the capacity of the total installation is 2,000 watts, the "demand" is 25 per cent of this, or 600 watts, and the first 60 hours' use amounts to 30 kilowatt hours and is subject to the first price schedule (5 cents, 1923); the next 120 hours' use (60 kilowatt hours) to the next rate (4 cents), and above 90 kilowatt hours to the excess rate (1½ cents). Measure of consumption as stated in second column refers to tariffs of 1923. For some cities primary and secondary rates applied to somewhat different amounts of current consumption in previous years. For full details see Monthly Labor Review, February, 1923.

City	Measure of consumption per month	December—							
		1913	1921	1923	1924	1925	1926	1927	1928
Atlanta	First 100 kilowatt hours	7.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Baltimore	First 20 hours' use of demand	8.5	8.0	8.0	8.0	8.0	8.0	7.0	7.0
Birmingham	First 100 kilowatt hours	8.5	7.7	7.7	7.7	7.7	7.7	7.7	7.7
Boston	First 2 kilowatt hours per 100 square feet of floor area	10.0	11.0	9.5	9.5	8.5	8.5	8.5	8.5
Buffalo	First 60 hours' use of demand	7.0	7.0	6.0	6.0	5.0	5.0	5.0	5.0
	Next 120 hours' use of demand	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	Excess	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Chicago	First 3 kilowatt hours per room	10.0	9.0	8.0	8.0	8.0	8.0	8.0	7.0
	Next 3 kilowatt hours per room	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Excess	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Cleveland	Company A, first 30 kilowatt hours	10.0	5.0	6.0	5.0	5.0	5.0	5.0	5.0
	Company B, all current	8.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Columbus	First 75 kilowatt hours	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Dallas	All current	10.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Denver	First 15 kilowatt hours	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0
Detroit	First 3 kilowatt hours per active room; minimum, 3 rooms	12.6	12.6	10.8	10.8	10.8	9.0	9.0	9.0
	Next 50 kilowatt hours	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Fall River	First 25 kilowatt hours	9.5	10.5	9.0	9.0	9.0	8.5	8.5	8.0
	Next 75 kilowatt hours			8.5	8.5	8.5	7.5	7.5	5.0
Jacksonville	All current	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Little Rock	First 200 kilowatt hours	13.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Los Angeles	First 50 kilowatt hours	5.5	6.2	5.6	5.6	5.6	5.6	5.0	5.0
Louisville	1 to 149 kilowatt hours	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Memphis	First 6 kilowatt hours per room	10.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0
	Excess			5.0	5.0	5.0	5.0	5.0	5.0
Mobile	First 50 kilowatt hours	7.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Newark	First 20 kilowatt hours	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0
	Next 30 kilowatt hours				8.0	8.0	8.0	8.0	8.0
New Haven	All current	9.0	8.5	7.5	7.0	6.5	6.5	6.0	5.5
New Orleans	First 20 kilowatt hours	13.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	Next 30 kilowatt hours	8.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8
New York	Company A, first 1,000 kilowatt hours	10.0	7.7	7.5	7.4	7.2	7.2	7.3	7.0
	Company B, all current	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Company C, first 60 hours' use of demand	11.0	8.7	8.5	8.3	7.8	7.8	7.3	7.0
Norfolk	First 100 kilowatt hours	9.0	9.0	9.0	9.0	9.0	9.0	8.5	8.5
Omaha	All current	11.4	6.0	5.5	5.5	5.5	5.5	6.6	5.5
Philadelphia	Company A, first 12 kilowatt hours	10.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0
	Next 36 kilowatt hours		7.0	7.0	7.0	7.0	7.0	7.0	7.0
	Company B, first 20 kilowatt hours	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0
	Next 30 kilowatt hours				8.0	8.0	8.0	8.0	8.0
Pittsburgh	First 10 kilowatt hours	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	Next 20 kilowatt hours		6.0	5.5	5.5	5.5	5.5	5.5	5.5
	All current	10.0	7.5	7.0	6.9	6.8	6.9	6.5	6.5
Providence	All current	9.0	9.0	9.0	9.0	9.0	9.0	8.5	8.5
Richmond	First 100 kilowatt hours	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Rochester	All current	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
St. Paul	First 3 kilowatt hours per room	9.9	9.9	9.9	9.9	9.9	9.5	9.5	8.0
	Next 3 kilowatt hours per room						7.1	7.1	7.1
	Excess	6.6	6.6	6.6	6.6	6.6	2.9	2.9	2.9
Salt Lake City	First 250 kilowatt hours	9.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1
San Francisco	Company A, first 200 kilowatt hours	7.0	8.5	9.0	9.0	9.0	9.0	5.0	5.0
	Next 500 kilowatt hours			6.0	6.0	6.0	6.0	2.5	4.0
	Company B, first 200 kilowatt hours	7.0	8.5	9.0	9.0	9.0	9.0	9.0	5.0
	Next 500 kilowatt hours			6.0	6.0	6.0	6.0	6.0	4.0
Scranton	First 150 kilowatt hours	9.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0
Seattle	First 40 kilowatt hours	6.0	6.0	5.5	5.5	5.5	5.5	5.5	5.5
Washington, D. C.	First 120 hours' use of demand	10.0	10.0	10.0	10.0	7.5	7.0	6.3	5.9

Source: Bureau of Labor Statistics, Department of Labor.

No. 399.—DEVELOPED AND POTENTIAL WATER POWER

NOTE.—In thousands of horsepower. Data for developed water power cover capacity of actual installation of water wheels and turbines in plants of 100 horsepower or more. The figures for potential power are estimates showing the 24-hour horsepower available 90 per cent of the time and 50 per cent of the time at an over-all efficiency of 70 per cent at all developed and undeveloped sites. These figures for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of installed water wheels or turbines, which may be several times the potential power available 90 per cent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 80,000,000 horsepower or more.

Division and State	Developed water power (capacity of actual installation)							Potential water power available—	
	November, 1921	March, 1924	March, 1925	January, 1926	January, 1927	January, 1928	January, 1929	90 per cent of the time	50 per cent of the time
Continental U. S.	7,927	9,087	10,038	11,177	11,781	12,296	13,572	38,110	59,166
New England	1,811	1,887	1,899	1,485	1,535	1,558	1,654	998	1,878
Maine	460	473	477	497	528	537	539	536	1,074
New Hampshire	229	236	243	272	277	278	278	186	350
Vermont	130	163	168	193	200	200	260	80	169
Massachusetts	338	344	344	344	354	352	362	106	235
Rhode Island	30	30	30	30	30	30	30	25	40
Connecticut	134	135	136	148	148	148	184	65	110
Middle Atlantic	1,479	1,792	1,948	1,985	2,056	2,078	2,123	4,373	6,050
New York	1,292	1,543	1,714	1,750	1,757	1,779	1,814	4,010	4,960
New Jersey	17	19	19	19	19	19	19	50	90
Pennsylvania	170	170	226	226	250	280	291	313	1,000
East North Central	739	890	885	978	1,010	1,037	1,076	742	1,428
Ohio	29	30	30	29	30	30	30	55	166
Indiana	87	89	87	87	87	87	87	45	145
Illinois	267	282	305	352	355	378	378	189	361
Michigan	331	404	413	440	474	477	517	103	274
Wisconsin	444	460	615	585	593	642	655	285	480
West North Central	205	212	263	267	275	275	293	929	1,937
Minnesota	173	177	177	170	170	184	182	203	401
Iowa	18	18	20	21	21	21	21	169	395
North Dakota	(1)	(1)	(1)	(1)	(1)	(1)	(1)	67	152
South Dakota	13	18	19	20	20	20	20	82	193
Nebraska	15	20	21	21	21	24	24	121	203
Kansas	15	15	14	17	17	24	24	183	342
Missouri	15	15	14	17	17	17	16	104	251
South Atlantic	1,082	1,301	1,594	1,702	1,841	1,907	2,596	2,824	5,048
Delaware	3	3	3	3	3	3	3	3	10
Maryland	7	7	7	7	7	7	7	7	7
Dist. of Columbia	1	1	1	1	1	1	1	1	1
Virginia	104	110	118	130	138	141	140	416	100
West Virginia	15	15	15	21	21	21	21	6	6
North Carolina	330	432	535	538	543	644	614	459	812
South Carolina	330	358	507	514	543	574	574	355	980
Georgia	286	369	400	441	449	463	544	892	1,160
Florida	7	7	9	9	9	9	9	555	890
East South Central	241	341	392	745	869	969	1,119	572	958
Kentucky	1	1	1	34	34	34	34	9	20
Tennessee	127	128	166	174	174	177	177	20	30
Alabama	113	211	224	537	659	646	799	1,119	1,928
Mississippi								142	172
West South Central	18	17	31	32	32	44	47	654	882
Arkansas	1	1	16	16	16	16	16	472	852
Louisiana								30	60
Oklahoma	2	2	2	2	2	2	2	70	104
Texas	13	14	14	14	15	27	29	288	614
Mountain	827	881	937	981	1,080	1,115	1,140	2,285	3,700
Montana	344	345	360	376	376	378	393	2,550	4,632
Idaho	224	271	299	319	320	355	358	2,122	4,182
Wyoming	8	8	8	10	10	17	17	704	1,182
Colorado	92	88	91	95	96	95	98	600	873
New Mexico	1	1	1	2	2	2	2	116	180
Arizona	39	39	49	49	59	104	104	2,759	2,887
Utah	106	115	115	115	153	153	154	1,420	1,586
Nevada	13	14	14	14	13	13	14	300	370
Pacific	1,789	2,139	2,336	2,733	2,815	2,988	3,263	15,413	23,793
Washington	454	480	501	650	657	707	747	7,145	11,225
Oregon	185	207	244	242	242	289	289	3,665	5,804
California	1,149	1,452	1,531	1,835	1,917	1,903	2,227	4,093	6,674
Outlying areas:									
Alaska		40	40	40	40	40	40	1,000	2,500
Hawaii		25	25	25	25	25	25	19	28
Porto Rico		15	15	15	15	15	15	100	200

¹ Less than 500.

² Capacity in 1925; data for 1926, 1927, and 1928 not available.

Source: Geological Survey, Department of the Interior.

19.—PUBLIC ROADS AND MOTOR VEHICLES

No. 400.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921, 1925, and 1927 were secured from county records; data for other years shown in this and subsequent tables contain some estimates and are not as accurate as to detail. Mileage data in most cases refer to calendar years; there are, however, exceptions in several States. Data relate to continental United States only except as noted

Item	1921	1923	1924	1925	1926	1927
Mileage at end of year:						
All types.....	2,941,984	2,895,727	3,002,917	3,006,088	3,000,190	3,018,584
Earth roads.....	2,553,634	2,556,390	2,535,011	2,484,822	2,450,120	2,424,802
Surfaced roads.....	387,700	439,341	467,903	521,266	550,064	593,782
Sand, clay, gravel, etc.....	263,238	290,143	307,904	360,518	405,917	433,553
Macadam.....	87,609	100,805	194,455	108,432	85,738	90,273
Sheet asphalt and concrete.....	22,190	33,983	40,850	48,507	53,202	59,885
Block pavements.....	14,723	14,409	14,637	5,803	5,206	5,030
Mileage built during year:						
All types.....	110,976	76,238	51,638	73,776	116,413	86,454
Earth roads.....	69,804	39,895	20,097	31,873	60,059	33,031
Surfaced roads.....	41,172	36,343	31,541	41,903	50,353	53,424
Sand, clay, gravel, etc.....	29,019	22,641	19,455	23,784	41,070	38,516
Macadam.....	5,413	6,605	4,891	6,090	8,303	7,484
Sheet asphalt and concrete.....	6,037	6,620	7,027	6,798	6,640	7,246
Block pavements.....	703	410	248	252	207	138
Mileage of State highway systems at end of year:						
All types.....		251,611	256,721	274,911	287,928	268,368
Earth roads.....		140,211	131,374	130,057	124,869	116,786
Surfaced roads.....		111,400	128,347	144,854	163,058	176,506
Sand, clay, gravel, etc.....		68,009	68,401	79,706	90,682	98,675
Macadam.....		27,151	28,022	28,814	31,356	31,248
Sheet asphalt and concrete.....		22,476	28,908	33,059	37,042	43,313
Block pavements.....		2,866	3,017	3,185	4,390	3,830
Mileage of State highway systems built during year:						
All types.....		20,311	23,194	23,152	27,387	26,722
Earth roads.....		5,814	5,957	5,316	7,090	7,151
Surfaced roads.....		14,496	17,207	17,830	20,327	19,572
Sand, clay, gravel, etc.....		7,852	9,045	10,005	13,075	11,132
Macadam.....		2,067	2,494	2,144	2,258	2,812
Sheet asphalt and concrete.....		4,389	5,535	5,540	4,353	5,559
Block pavements.....		248	164	140	137	69
Funds available for rural road purposes during year, all authorities (1,000 dollars):						
Total.....	1,149,438	1,199,432	1,858,508	1,560,994	1,740,390	1,941,221
Proceeds of bonds.....	438,109	216,969	289,190	285,815	272,422	272,060
Federal aid.....	79,333	72,343	91,401	92,180	79,163	80,400
Motor vehicle fees and gasoline taxes.....	122,626	202,604	266,455	360,563	436,449	516,774
Other taxes and appropriations.....	415,080	416,038	415,155	467,705	491,194	527,477
All other sources.....	93,689	201,278	326,307	364,741	401,162	544,451
Expenditures for rural roads and bridges (1,000 dollars):						
All roads, by all authorities.....	1,036,588	986,781	1,181,521	1,288,940	1,306,646	1,448,121
Construction.....	620,965	518,293	637,030	651,933	616,941	689,219
Maintenance.....	243,593	205,868	297,179	315,877	338,853	376,754
Principal and interest of bonds.....	89,281	45,914	108,943	176,415	213,225	244,886
Equipment and miscellaneous.....	71,748	100,677	138,370	144,715	131,427	137,263
By or under supervision of State highway departments, incl. Federal aid.....	418,242	447,363	605,665	648,126	621,744	689,876
Highway construction under Federal aid:						
Projects completed up to end of year—						
Miles.....		27,212	37,117	52,016	56,717	64,620
Total cost (1,000 dollars).....		460,943	632,487	902,920	1,051,456	1,240,302
Federal aid (1,000 dollars).....		197,713	270,305	424,904	460,019	543,260
Projects under construction—						
Miles.....		18,648	17,837	10,978	14,681	13,433
Total cost (1,000 dollars).....		350,550	394,971	264,113	365,730	353,497
Federal aid (1,000 dollars).....		164,389	176,575	111,284	151,490	145,627
Federal-aid fund available for new projects (1,000 dollars).....		70,636	55,627	119,771	113,070	110,803

¹ Includes miscellaneous roads, as follows: 1921, 11,303 miles; 1923, 9,975 miles; 1924, 9,996 miles.

² Includes miscellaneous roads, as follows: 1921, 368 miles; 1923, 46 miles; 1924, 21 miles.

³ Data for total United States not compiled in 1921.

⁴ Includes 16 miles miscellaneous roads.

⁵ For road and bridge purposes under supervision of State highway department only.

⁶ Includes data for Hawaii, as follows: Federal-aid fund available for new projects, beginning 1924; projects under construction (all items), 1925; all items in 1926 and 1927.

Source: Bureau of Public Roads, Department of Agriculture.

No. 401.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Lack of definite information in the earlier years accounts for the fact that in some of the States the total road mileage reported is considerably greater than in the preceding year shown, while mileage of surfaced roads is less. Figures include county and township roads and also State highway systems. (See also headnote, Table 400)

Division and State	All types					Surfaced roads				
	1904	1914	1921	1926	1927	1904	1914	1921	1926	1927
Continental U. S.	2, 151, 379	2, 445, 761	2, 941, 294	3, 000, 190	3, 013, 584	153, 530	267, 292	307, 760	550, 064	583, 721
New England	86, 766	86, 718	83, 295	83, 521	83, 936	16, 797	13, 033	17, 725	23, 614	24, 631
Maine.....	25, 525	23, 577	21, 483	21, 003	21, 002	2, 324	2, 762	2, 953	4, 429	4, 532
New Hampshire.....	15, 110	14, 020	13, 841	11, 944	12, 025	1, 293	1, 600	1, 692	2, 218	2, 391
Vermont.....	14, 521	14, 249	14, 677	15, 036	15, 036	1, 954	1, 442	3, 545	4, 400	4, 691
Massachusetts.....	17, 092	18, 681	18, 808	19, 097	19, 348	7, 844	8, 506	6, 576	8, 280	8, 486
Rhode Island.....	2, 361	2, 170	2, 274	2, 469	2, 538	1, 022	693	754	876	8, 486
Connecticut.....	14, 088	14, 061	12, 152	13, 972	13, 987	2, 360	2, 975	2, 206	3, 321	3, 379
Middle Atlantic	188, 417	185, 771	186, 636	187, 355	187, 407	10, 459	31, 510	35, 046	56, 298	62, 071
New York.....	73, 708	79, 398	81, 878	79, 617	79, 489	5, 876	15, 036	18, 506	20, 057	20, 481
New Jersey.....	14, 842	14, 817	14, 066	16, 665	16, 677	2, 422	5, 897	6, 459	7, 836	8, 057
Pennsylvania.....	90, 777	91, 556	90, 991	91, 173	91, 241	2, 161	9, 983	13, 921	23, 505	24, 538
East North Central	364, 775	405, 245	412, 753	416, 695	416, 538	72, 920	94, 365	124, 299	163, 853	160, 684
Ohio.....	69, 439	86, 354	84, 219	84, 872	84, 753	23, 460	30, 569	36, 068	42, 311	43, 977
Indiana.....	68, 306	73, 347	70, 246	73, 612	73, 009	23, 877	30, 962	39, 857	49, 440	50, 284
Illinois.....	94, 141	95, 647	96, 326	97, 620	97, 620	7, 024	11, 609	11, 473	10, 923	15, 118
Michigan.....	69, 296	74, 190	77, 283	81, 010	81, 016	7, 026	7, 829	17, 186	21, 626	22, 493
Wisconsin.....	63, 593	75, 670	78, 670	79, 391	79, 528	10, 633	13, 390	19, 114	23, 426	25, 792
West North Central	589, 190	650, 068	769, 820	772, 949	774, 637	11, 804	14, 968	30, 223	61, 503	69, 989
Minnesota.....	70, 324	93, 517	107, 193	110, 223	110, 249	6, 248	3, 968	16, 905	30, 011	32, 399
Iowa.....	102, 448	104, 074	104, 082	103, 115	103, 634	1, 604	6, 615	2, 585	4, 234	4, 311
Missouri.....	108, 133	96, 041	111, 520	110, 366	110, 547	2, 733	6, 713	7, 879	11, 043	11, 739
North Dakota.....	59, 332	68, 799	106, 523	107, 410	106, 704	212	955	710	1, 874	2, 366
South Dakota.....	59, 295	96, 306	115, 455	118, 741	120, 285	151	363	548	3, 510	4, 087
Nebraska.....	79, 462	80, 272	86, 556	93, 992	93, 902	23	1, 205	496	3, 273	3, 979
Kansas.....	101, 199	111, 052	128, 551	129, 102	129, 245	273	1, 149	1, 100	2, 508	3, 608
South Atlantic	233, 933	297, 193	365, 567	366, 660	368, 545	9, 147	39, 154	61, 178	82, 292	89, 541
Delaware.....	3, 000	3, 674	3, 933	3, 797	3, 796	60	244	445	884	927
Maryland.....	16, 773	16, 469	14, 772	14, 632	14, 711	1, 570	2, 489	3, 603	4, 640	5, 397
Virginia.....	61, 812	53, 388	69, 080	69, 698	67, 535	1, 600	8, 910	7, 260	10, 542	11, 192
West Virginia.....	26, 178	32, 024	35, 173	34, 800	34, 799	254	1, 065	1, 367	3, 037	3, 713
North Carolina.....	49, 763	50, 758	68, 204	71, 529	71, 530	1, 250	6, 004	16, 755	26, 885	27, 811
South Carolina.....	41, 830	42, 223	61, 850	50, 079	50, 129	1, 878	3, 270	6, 908	12, 475	13, 841
Georgia.....	57, 203	80, 669	94, 912	97, 390	98, 402	1, 634	12, 342	18, 330	11, 416	13, 015
Florida.....	17, 374	17, 995	27, 643	28, 935	29, 583	886	2, 830	6, 435	12, 403	13, 735
East South Central	194, 913	206, 191	242, 745	245, 340	246, 232	15, 640	27, 626	41, 478	55, 274	58, 991
Kentucky.....	57, 137	57, 916	68, 704	61, 261	61, 261	0, 486	12, 403	15, 439	15, 236	15, 610
Tennessee.....	48, 989	46, 050	62, 546	64, 204	64, 490	4, 285	8, 102	9, 878	11, 238	12, 521
Alabama.....	50, 089	55, 446	58, 410	63, 251	63, 706	1, 720	4, 988	10, 420	17, 514	18, 204
Mississippi.....	38, 698	45, 779	53, 085	56, 624	56, 775	149	2, 133	5, 744	11, 286	12, 587
West South Central	226, 305	312, 182	416, 617	420, 534	419, 866	2, 399	13, 815	23, 966	40, 285	42, 187
Arkansas.....	36, 445	50, 743	74, 366	74, 285	74, 545	236	1, 098	3, 871	5, 981	6, 269
Louisiana.....	24, 897	24, 563	39, 803	35, 411	33, 120	34	2, 068	2, 771	8, 697	9, 501
Oklahoma.....	43, 554	107, 916	134, 263	122, 274	123, 627	-----	122	2, 461	2, 930	3, 300
Texas.....	121, 409	128, 960	167, 685	188, 564	188, 564	2, 128	10, 527	14, 883	22, 677	23, 117
Mountain	122, 231	163, 117	308, 332	327, 058	334, 795	1, 499	4, 881	15, 580	25, 827	28, 574
Montana.....	22, 419	30, 204	64, 732	66, 987	66, 881	65	609	1, 772	2, 508	2, 790
Idaho.....	18, 163	24, 390	31, 099	32, 989	37, 349	212	679	2, 982	6, 961	7, 940
Wyoming.....	10, 447	14, 797	46, 528	45, 021	45, 328	153	468	440	1, 294	1, 301
Colorado.....	30, 214	39, 780	48, 143	65, 006	68, 279	178	1, 194	4, 598	5, 907	6, 338
New Mexico.....	15, 326	11, 873	45, 549	48, 028	48, 217	2	262	1, 802	1, 954	2, 144
Arizona.....	5, 987	12, 075	21, 227	21, 536	21, 666	217	253	1, 233	3, 070	3, 150
Utah.....	7, 990	8, 810	23, 047	23, 179	23, 416	603	1, 154	2, 544	2, 600	3, 001
Nevada.....	12, 585	12, 182	26, 057	23, 712	23, 659	64	262	168	1, 453	1, 706
Pacific	112, 909	140, 286	187, 180	180, 075	183, 649	13, 368	19, 928	34, 387	49, 126	52, 135
Washington.....	31, 998	42, 428	45, 816	46, 730	46, 835	1, 076	4, 922	12, 062	16, 483	16, 655
Oregon.....	34, 258	36, 819	45, 475	51, 743	51, 658	2, 589	4, 726	8, 050	11, 578	11, 815
California.....	46, 653	61, 039	75, 890	81, 602	85, 156	8, 803	10, 280	14, 275	21, 065	23, 665

* Includes about 26,000 miles of section lines declared public highways by law but which are not open for general traffic.

Source: Bureau of Public Roads, Department of Agriculture.

No. 402.—RURAL ROAD MILEAGE AS OF DECEMBER 31, 1927, AND CONSTRUCTION OF ROADS DURING 1925, 1926, AND 1927

NOTE.—Figures include county and township roads and also State highway systems shown in Tables 403 and 404. See also headnote, Table 400

Division and State	Existing mileage, end of year 1927						Mileage graded and drained and mileage surfaced during—			
	Total, all types	Earth roads	Surfaced roads				Block pavements	1925 ¹	1926 ²	1927 ³
			Total	Sand-clay, gravel, etc.	Mac-adam	Sheet asphalt and concrete				
Continental U. S.....	3, 018, 584	2, 424, 862	689, 721	433, 533	90, 273	59, 885	5, 030	73, 776	116, 413	86, 454
New England.....	83, 936	69, 303	24, 633	16, 984	5, 596	2, 020	25	1, 218	1, 943	1, 564
Maine.....	21, 002	16, 170	4, 832	4, 483	259	91	—	326	187	449
New Hampshire.....	12, 024	9, 633	2, 392	1, 987	309	96	—	157	214	179
Vermont.....	15, 036	10, 344	4, 692	4, 470	112	102	(³)	304	301	306
Massachusetts.....	19, 348	10, 863	8, 485	4, 492	3, 043	926	20	219	255	387
Rhode Island.....	2, 538	1, 685	853	197	408	245	3	86	84	83
Connecticut.....	13, 937	10, 603	3, 379	1, 349	1, 459	569	2	127	302	145
Middle Atlantic.....	187, 407	125, 336	62, 071	23, 821	24, 332	12, 731	1, 188	4, 317	5, 239	4, 339
New York.....	79, 439	60, 003	29, 431	6, 819	17, 719	4, 666	277	2, 038	2, 743	2, 166
New Jersey.....	10, 677	8, 620	8, 057	3, 830	1, 612	2, 603	113	549	657	534
Pennsylvania.....	91, 241	66, 708	24, 533	13, 172	6, 001	5, 562	798	1, 700	1, 939	1, 039
East North Central.....	416, 526	255, 362	160, 668	122, 700	18, 363	17, 378	2, 203	13, 827	18, 266	17, 795
Ohio.....	84, 753	40, 776	43, 977	28, 451	11, 134	2, 447	1, 740	2, 302	6, 268	4, 175
Indiana.....	73, 609	23, 325	50, 284	44, 205	3, 182	2, 662	235	1, 036	1, 320	1, 351
Illinois.....	97, 620	18, 118	11, 206	6, 522	2, 556	6, 180	204	1, 698	1, 151	1, 367
Michigan.....	81, 016	68, 523	22, 492	17, 101	2, 153	3, 223	16	1, 064	1, 408	1, 494
Wisconsin.....	79, 528	53, 736	25, 792	21, 738	1, 392	2, 660	2	7, 826	8, 110	9, 408
West North Central.....	774, 637	704, 650	69, 988	63, 642	1, 735	4, 454	250	26, 730	31, 168	23, 711
Minnesota.....	110, 249	77, 861	32, 393	31, 272	72	1, 030	25	4, 692	10, 694	5, 803
Iowa.....	103, 034	67, 823	11, 811	10, 797	—	981	53	992	2, 900	3, 090
Missouri.....	110, 547	98, 808	11, 739	8, 622	1, 396	1, 700	21	4, 015	2, 012	1, 080
North Dakota.....	106, 794	104, 428	2, 366	2, 356	—	10	—	3, 836	2, 093	1, 152
South Dakota.....	120, 265	116, 178	4, 087	4, 083	—	3	—	7, 870	5, 067	6, 113
Nebraska.....	83, 002	89, 924	3, 979	3, 824	6	126	22	2, 555	4, 652	3, 416
Kansas.....	129, 246	125, 638	3, 608	2, 688	201	604	155	2, 470	2, 850	2, 448
South Atlantic.....	368, 544	277, 003	89, 541	64, 232	16, 048	9, 147	1, 114	8, 652	13, 122	11, 998
Delaware.....	3, 796	2, 809	927	102	209	609	7	85	97	52
Maryland.....	14, 711	9, 404	5, 307	2, 174	2, 009	1, 123	2	365	346	366
Virginia.....	67, 535	40, 343	11, 192	7, 113	3, 355	724	—	972	1, 102	950
West Virginia.....	34, 799	31, 086	3, 713	1, 247	1, 377	892	197	851	1, 131	1, 168
North Carolina.....	71, 530	43, 719	27, 811	23, 556	1, 070	3, 102	82	2, 627	3, 428	2, 629
South Carolina.....	56, 128	42, 287	13, 841	13, 278	56	504	3	1, 233	1, 017	1, 318
Georgia.....	96, 462	85, 447	13, 015	11, 560	620	832	3	966	2, 057	2, 549
Florida.....	29, 583	15, 818	13, 735	5, 202	1, 361	820	1, 722	3, 046	2, 906	2, 906
East South Central.....	246, 232	187, 301	68, 980	41, 883	16, 351	1, 641	67	4, 033	7, 788	6, 409
Kentucky.....	61, 261	45, 642	15, 618	5, 871	9, 444	277	26	1, 168	1, 036	1, 703
Tennessee.....	64, 490	51, 909	12, 521	6, 568	5, 378	675	1	931	1, 497	2, 143
Alabama.....	63, 706	45, 502	18, 204	17, 480	385	334	5	570	2, 900	1, 150
Mississippi.....	56, 775	44, 188	12, 587	11, 994	144	455	25	1, 364	2, 265	1, 404
West South Central.....	419, 856	377, 669	42, 187	36, 178	3, 166	2, 710	133	4, 288	26, 069	6, 320
Arkansas.....	74, 545	68, 276	6, 269	5, 401	353	515	—	1, 186	4, 172	1, 155
Louisiana.....	33, 120	23, 619	9, 501	9, 349	44	93	15	509	2, 309	1, 614
Oklahoma.....	123, 627	120, 327	3, 300	2, 292	44	42	17	36	670	1, 233
Texas.....	188, 564	165, 447	23, 117	19, 134	2, 725	1, 175	82	2, 050	11, 818	2, 018
Mountain.....	534, 795	306, 223	28, 573	26, 789	199	1, 686	—	6, 279	9, 735	4, 799
Montana.....	60, 881	64, 083	2, 709	2, 752	10	37	—	896	4, 451	281
Idaho.....	37, 349	29, 409	7, 940	7, 619	87	23	—	1, 550	1, 125	1, 598
Wyoming.....	45, 328	43, 967	1, 361	1, 322	—	39	—	456	766	464
Colorado.....	68, 279	61, 897	6, 382	6, 102	—	781	—	1, 824	1, 211	765
New Mexico.....	46, 217	46, 073	2, 144	2, 071	—	28	—	350	570	804
Arizona.....	21, 066	18, 516	3, 150	2, 531	48	621	—	383	353	236
Utah.....	23, 416	20, 415	3, 001	2, 624	42	335	—	231	885	372
Nevada.....	23, 669	21, 863	1, 706	1, 718	12	66	—	539	374	219
Pacific.....	183, 649	131, 515	52, 135	37, 407	6, 461	8, 208	56	4, 203	4, 633	6, 591
Washington.....	46, 835	30, 180	16, 655	13, 323	1, 729	1, 546	56	1, 132	1, 858	3, 307
Oregon.....	51, 638	39, 844	11, 815	9, 334	1, 029	1, 414	—	1, 120	1, 846	475
California.....	85, 166	61, 491	23, 665	14, 750	3, 666	5, 248	—	1, 950	1, 420	5, 689

¹ Includes 16,076 miles of earth road partially graded.
² Surfaced mileage includes both new surfacing and reconstructed surfacing.
³ Less than five-tenths of 1 mile.

Source: Bureau of Public Roads, Department of Agriculture.

No. 403.—ROAD MILEAGE IN STATE HIGHWAY SYSTEMS AS OF DECEMBER 31, 1927

NOTE.—These statistics relate only to highways maintained wholly or in part by State governments, not including those maintained only by county or local governments

Division and State	Total, all types	Earth roads	Surfaced roads				
			Total	Sand-clay, gravel, etc.	Macadam	Sheet asphalt and concrete	Block pavements
Continental United States.....	288,353	118,786	178,569	98,875	31,248	48,313	8,330
New England.....	12,747	2,042	10,704	6,405	2,876	1,422	5
Maine.....	1,788	293	1,495	1,176	232	88	-----
New Hampshire.....	2,310	239	2,070	1,099	277	95	-----
Vermont.....	4,226	982	3,244	3,033	112	100	(1)
Massachusetts ²	1,590	25	1,565	111	996	455	3
Rhode Island.....	867	388	479	23	252	204	-----
Connecticut ³	1,966	115	1,851	363	1,007	479	2
Middle Atlantic.....	27,817	7,227	20,690	1,730	8,797	9,468	696
New York.....	13,920	3,725	10,204	126	5,977	3,824	277
New Jersey.....	1,821	162	1,659	310	192	1,193	49
Pennsylvania.....	12,167	3,340	8,827	1,294	2,628	4,535	370
East North Central.....	49,678	8,810	34,068	13,981	5,785	12,643	1,650
Ohio.....	11,000	1,104	9,896	3,438	3,063	1,917	1,478
Indiana.....	4,364	15	4,349	1,530	1,362	1,376	81
Illinois.....	9,800	4,821	5,009	-----	5	4,977	87
Michigan.....	7,144	1,086	6,108	3,324	702	2,071	11
Wisconsin.....	10,280	1,634	8,646	5,689	663	2,302	2
West North Central.....	48,784	23,941	24,845	20,206	245	4,141	252
Minnesota.....	6,936	363	6,544	5,610	-----	900	25
Iowa.....	7,078	2,636	4,442	3,434	-----	975	33
Missouri.....	7,482	3,569	3,913	2,294	94	1,593	21
North Dakota.....	7,185	5,457	1,728	1,718	-----	10	-----
South Dakota.....	6,015	3,119	2,896	2,392	-----	8	-----
Nebraska.....	6,166	2,827	3,340	3,227	-----	93	20
Kansas.....	7,922	5,940	1,982	1,121	161	553	153
South Atlantic.....	37,697	10,621	26,985	13,145	6,121	7,192	528
Delaware.....	629	-----	629	23	28	572	6
Maryland ⁴	2,519	-----	2,519	384	1,106	1,028	2
Virginia.....	5,245	1,089	4,155	1,812	1,745	599	-----
West Virginia.....	3,820	1,610	2,210	646	789	629	146
North Carolina ⁵	7,083	857	6,226	2,876	560	2,732	57
South Carolina.....	5,592	1,069	4,522	4,027	49	446	-----
Georgia.....	6,380	2,875	3,505	2,550	319	606	1
Florida.....	6,339	3,121	3,218	797	1,525	680	316
East South Central.....	25,322	10,574	14,748	9,117	4,326	1,261	46
Kentucky ⁶	9,647	5,121	4,526	1,746	2,504	250	26
Tennessee ⁷	5,033	1,324	3,709	1,534	1,673	498	-----
Alabama ⁸	3,919	1,535	2,384	2,087	82	215	(1)
Mississippi.....	6,723	2,694	4,129	3,750	62	298	20
West South Central.....	41,355	20,589	20,766	15,679	2,589	2,373	133
Arkansas.....	8,506	4,426	4,080	3,617	300	509	-----
Louisiana.....	7,979	2,754	5,225	5,103	20	87	16
Oklahoma.....	6,142	4,308	1,834	949	31	817	30
Texas.....	18,728	9,457	9,271	6,010	2,218	960	82
Mountain.....	42,676	28,675	14,003	12,773	90	1,139	-----
Montana.....	7,637	6,883	1,075	1,032	6	37	-----
Idaho.....	4,219	2,660	2,159	1,955	16	188	-----
Wyoming.....	5,123	2,690	1,083	994	-----	39	-----
Colorado.....	9,095	5,326	3,770	3,495	-----	275	-----
New Mexico.....	9,253	7,400	1,793	1,720	-----	73	-----
Arizona.....	2,641	675	1,496	1,252	23	191	-----
Utah.....	3,436	2,648	1,388	1,085	33	270	-----
Nevada.....	3,552	2,233	1,319	1,240	12	66	-----
Pacific.....	14,288	4,498	9,789	5,639	439	3,675	14
Washington.....	3,300	630	2,670	1,932	31	642	14
Oregon.....	4,393	984	3,410	2,506	8	896	-----
California.....	6,573	2,884	3,689	1,151	400	2,137	-----

¹ Less than five-tenths of 1 mile.

² Mileage as of Nov. 30, 1927.

³ Mileage as of June 30, 1927.

⁴ Mileage as of Sept. 30, 1927.

No. 404.—CONSTRUCTION OF ROADS IN STATE HIGHWAY SYSTEMS DURING 1926 AND 1927

NOTE.—Highways under control of State highway departments only

Division and State	Mileage built during 1927							Mileage built during 1926		
	Total, all types	Earth, improved, graded, and drained	Surfaced roads					Total, all types	Surfaced roads	
			Total	New	Reconstructed	Sand-clay and gravel	Macadam			Paved
Continental United States	26, 722	7, 161	19, 573	16, 208	3, 364	11, 132	2, 812	5, 628	27, 387	20, 327
New England	626	1	626	555	71	290	177	168	814	798
Maine.....	85		85	69	16	65	6	14	135	135
New Hampshire.....	152	1	151	130	22	113	27	11	186	169
Vermont.....	156		156	156		106	16	34	139	139
Massachusetts ¹	73		73	56	17		48	25	103	103
Rhode Island.....	40		40	40		(?)	23	17	50	50
Connecticut ²	120		120	104	16	6	57	57	201	200
Middle Atlantic	1, 524	36	1, 488	1, 408	81	91	263	1, 133	1, 680	1, 307
New York.....	725	23	697	649	48	28	66	602	581	566
New Jersey.....	119	8	111	111	(?)	1	2	108	51	60
Pennsylvania.....	680		680	648	33	62	105	423	1, 045	751
East North Central	4, 121	231	3, 890	2, 099	1, 791	1, 685	795	1, 409	4, 645	4, 408
Ohio.....	1, 063	56	1, 007	278	729	348	463	196	2, 481	2, 411
Indiana.....	538	25	513	313	199	118	168	228	380	377
Illinois.....	612	90	521	493	29			521	493	362
Michigan.....	336	23	313	301	12	70	3	240	354	354
Wisconsin.....	1, 572	37	1, 536	714	822	1, 149	163	224	1, 016	982
West North Central	7, 759	2, 736	5, 022	4, 574	448	4, 285	46	692	8, 291	4, 960
Minnesota.....	1, 106	349	757	594	163	643		114	1, 728	1, 412
Iowa.....	1, 211	214	997	997		637		300	994	490
Missouri.....	537		537	527	10	380		157	1, 167	823
North Dakota.....	1, 072	555	487	413	73	487			977	539
South Dakota.....	852	388	464	404		464			473	445
Nebraska.....	1, 630	493	1, 136	935	202	1, 123		9	1, 476	834
Kansas.....	1, 351	707	644	644		546	46	52	1, 476	404
South Atlantic	4, 774	1, 028	3, 745	3, 463	281	1, 601	833	1, 311	3, 546	3, 014
Delaware.....	39		39	39			9	30	85	85
Maryland ⁴	103		103	101	2	25	14	64	148	148
Virginia.....	235	13	221	221		40	97	84	187	166
West Virginia.....	735	240	495	485	10	315	107	73	494	494
North Carolina.....	1, 109	314	795	795		204	106	485	1, 255	859
South Carolina.....	613	58	555	528	27	445	11	100	632	584
Georgia.....	927	162	775	700	74	543	131	300	387	323
Florida.....	1, 013	251	762	594	168	229	358	175	353	350
East South Central	2, 168	776	1, 390	1, 082	327	711	436	243	2, 004	1, 432
Kentucky ⁵	1, 079	426	654	437	217	263	328	63	451	214
Tennessee.....	380	133	255	227	28	41	108	106	473	292
Alabama ⁶	441	138	303	266	36	281	(?)	21	496	467
Mississippi.....	257	79	178	132	46	126		52	584	459
West South Central	3, 070	1, 475	1, 595	1, 591	3	913	189	493	2, 948	1, 758
Arkansas.....	940	650	290	290		260		30	947	431
Louisiana.....	612	48	564	560	3	513		45	594	594
Oklahoma.....	555	387	168	168		33		135	436	236
Texas.....	963	390	573	573		102	189	283	969	497
Mountain	1, 952	650	1, 283	1, 014	249	1, 162	63	48	2, 160	1, 349
Montana.....	130	19	118	92	25	116		1	160	155
Idaho.....	457	28	429	243	181	407	16	6	373	269
Wyoming.....	208	93	115	105	10	114		1	241	137
Colorado.....	142	54	88	88		59		29	407	205
New Mexico.....	656	479	177	177	(?)	176		1	482	74
Arizona.....	66	17	49	36	13	33	14	2	117	79
Utah.....	169		169	150	20	133	38	4	180	150
Nevada.....	113		113	113		114		4	200	190
Pacific	732	176	556	449	113	404	12	140	1, 363	1, 190
Washington.....	212	98	114	114		63		51	127	95
Oregon.....	287	78	209	137	72	295		4	910	829
California.....	233		233	191	41	136	12	85	265	265

¹ Data for Jan. 1 to Nov. 30, 1926, and year ended Nov. 30, 1927.

² Less than five-tenths of 1 mile.

³ Data for years ended June 30.

⁴ Data for years ended Sept. 30.

⁵ Data for Jan. 1 to June 30, 1927.

⁶ Data for Jan. 1 to June 30, 1926, and year ended June 30, 1927.

⁷ Data for Jan. 1 to Sept. 30, 1926, and year ended Sept. 30, 1927.

Source: Bureau of Public Roads, Department of Agriculture.

No. 405.—EXPENDITURES FOR RURAL HIGHWAYS BY OR UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

Note.—Figures include expenditures, whether from current revenues or the proceeds of loans, for construction, maintenance, and interest and principal payments on highway bonds.

Division and State	Year in which first State aid law passed	1904	1914	1919	1921	1923	1924	1925	1926	1927
		Thousands of dollars								
Continental U. S.		2, 560	24, 221	106, 861	413, 242	447, 392	605, 665	649, 125	921, 744	699, 875
New England		1, 090	2, 967	11, 046	26, 758	31, 503	38, 339	39, 289	46, 178	61, 753
Maine	1901	45	467	1, 739	7, 372	6, 149	6, 960	7, 105	10, 279	8, 684
New Hampshire	1903	44	492	1, 361	2, 360	2, 993	3, 843	4, 027	3, 017	3, 565
Vermont	1898	127	468	901	951	2, 880	2, 832	3, 618	3, 713	4, 080
Massachusetts	1892	575	243	3, 620	7, 804	10, 514	13, 240	12, 881	13, 794	18, 380
Rhode Island	1902	79		1, 132	2, 213	2, 052	2, 770	3, 046	3, 871	4, 242
Connecticut	1895	219	1, 307	2, 293	5, 998	6, 915	8, 600	8, 612	10, 504	12, 734
Middle Atlantic		1, 434	11, 827	36, 754	101, 477	73, 318	112, 079	136, 603	117, 072	136, 625
New York	1898	1, 056	8, 544	13, 714	36, 857	38, 128	42, 258	49, 369	41, 781	58, 708
New Jersey	1891	250	1, 307	6, 320	15, 608	12, 032	21, 488	23, 039	24, 378	27, 763
Pennsylvania	1903	128	1, 977	16, 719	49, 012	23, 156	48, 333	62, 294	50, 913	60, 064
East North Central		4, 383	16, 717	68, 512	76, 834	116, 002	118, 903	104, 321	108, 712	108, 712
Ohio	1904		1, 855	4, 604	15, 547	12, 876	27, 080	24, 086	20, 496	18, 214
Indiana	1917			401	8, 110	9, 276	14, 920	14, 518	12, 429	14, 798
Illinois	1905		388	4, 404	16, 093	30, 994	40, 851	36, 376	24, 267	30, 270
Michigan	1905		657	4, 240	16, 714	15, 886	24, 270	36, 139	26, 998	25, 883
Wisconsin	1911		1, 482	3, 063	12, 417	8, 102	8, 882	7, 785	12, 131	17, 547
West North Central		1, 670	5, 680	47, 144	64, 700	81, 663	84, 876	88, 723	101, 852	101, 852
Minnesota	1905		1, 310	2, 691	7, 480	10, 853	10, 762	17, 963	17, 979	17, 837
Iowa	1904		74	614	18, 276	17, 980	17, 911	14, 105	15, 272	24, 077
Missouri	1907		277	684	4, 727	19, 589	20, 107	31, 594	30, 841	25, 996
North Dakota	1909			233	1, 030	1, 082	21, 644	1, 862	1, 978	4, 567
South Dakota	1911			319	4, 738	2, 460	15, 696	6, 375	5, 843	4, 862
Nebraska	1911			1, 098	4, 836	5, 775	6, 504	5, 564	7, 639	8, 004
Kansas	1911		9	48	6, 068	6, 955	6, 659	7, 407	9, 171	16, 509
South Atlantic		14	916	7, 217	61, 181	79, 792	99, 992	103, 836	113, 651	133, 328
Delaware	1903	14	31	1, 147	3, 705	3, 743	3, 053	3, 493	3, 409	3, 480
Maryland	1898		357	2, 237	7, 616	7, 762	12, 728	12, 025	10, 598	10, 598
Virginia	1906		524	2, 262	7, 114	9, 849	14, 611	14, 072	12, 014	14, 314
West Virginia	1909			480	1, 877	15, 005	14, 124	19, 139	17, 492	19, 711
North Carolina	1901		5	1, 010	15, 100	28, 148	34, 733	32, 539	37, 216	33, 144
South Carolina	1917			80	3, 941	4, 522	6, 887	9, 133	9, 640	13, 410
Georgia	1908				9, 694	5, 475	7, 901	7, 902	9, 563	15, 114
Florida	1915			(*)	2, 103	4, 623	6, 949	8, 484	13, 657	23, 557
East South Central		188	1, 926	16, 621	19, 568	36, 975	45, 008	38, 845	44, 734	44, 734
Kentucky	1912		18	926	5, 757	6, 437	15, 470	14, 916	9, 830	11, 484
Tennessee	1915			794	6, 328	4, 158	8, 405	14, 379	14, 037	16, 003
Alabama	1911		170	65	1, 036	5, 117	7, 779	10, 917	10, 290	10, 780
Mississippi	1915			40	3, 500	2, 876	5, 321	4, 795	4, 008	6, 481
West South Central		278	3, 360	38, 952	40, 029	51, 925	52, 738	50, 205	58, 119	58, 119
Arkansas	1913		115	585	7, 055	11, 924	11, 214	11, 200	9, 503	14, 532
Louisiana	1910		161	(*)	5, 347	6, 082	8, 843	8, 611	10, 563	10, 753
Oklahoma	1911			2, 125	4, 775	5, 731	6, 638	12, 998	10, 420	12, 816
Texas	1917		650	16, 775	16, 293		25, 230	19, 985	19, 659	20, 018
Mountain		638	8, 870	28, 002	24, 747	30, 151	37, 387	23, 810	27, 318	27, 318
Montana	1913		14	397	3, 640	1, 454	1, 788	1, 267	1, 155	1, 541
Idaho	1905		50	850	4, 893	2, 334	2, 586	3, 697	4, 191	3, 874
Wyoming	1911			771	3, 701	3, 877	4, 305	3, 973	2, 974	2, 873
Colorado	1909		301	1, 775	4, 156	5, 741	6, 491	5, 565	5, 850	5, 282
New Mexico	1909		116	539	3, 713	3, 205	4, 009	3, 323	2, 928	5, 089
Arizona	1909			1, 451	2, 948	2, 884	3, 071	2, 443	2, 565	2, 608
Utah	1909		168	2, 445	3, 391	2, 709	3, 627	4, 124	2, 448	3, 929
Nevada	1911			342	1, 590	2, 343	3, 174	3, 056	1, 699	2, 199
Pacific		11	1, 354	15, 386	39, 598	37, 854	38, 541	41, 490	39, 938	39, 550
Washington	1905		1, 343	2, 895	9, 970	7, 169	7, 671	7, 846	8, 825	8, 628
Oregon	1913		11	5, 923	18, 246	10, 786	4, 930	15, 553	10, 018	10, 263
California	1895		11	6, 568	11, 380	19, 899	21, 599	18, 091	21, 065	20, 559

1 Excludes State bridge fund receipts and disbursements.
 2 Data are for 1928.
 3 Data not available.
 4 Excludes expenditures on forest-aid roads, also on market roads for Oregon.
 Source: Bureau of Public Roads, Department of Agriculture.

No. 406.—EXPENDITURES FOR RURAL HIGHWAYS: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS (APPROXIMATE)

NOTE.—All figures in thousands of dollars. For the items entering into the totals see Table 408.

Division and State	1904	1914	1919	1921	1923	1924	1925	1926	1927
Continental U. S.	59, 527	240, 284	399, 466	1, 036, 598	996, 781	1, 181, 521	1, 288, 940	1, 300, 546	1, 448, 121
New England	7, 356	15, 436	25, 492	45, 301	40, 381	48, 353	63, 080	69, 183	76, 440
Maine	1, 472	2, 642	4, 525	8, 792	8, 084	10, 460	11, 003	12, 923	11, 384
New Hampshire	373	1, 590	2, 832	3, 099	4, 288	5, 311	6, 589	4, 908	5, 772
Vermont	567	1, 024	2, 140	2, 150	3, 030	3, 502	4, 693	4, 706	5, 080
Massachusetts	2, 871	6, 092	10, 225	19, 536	12, 161	14, 740	26, 881	28, 144	33, 262
Rhode Island	377	3, 440	1, 817	2, 823	2, 378	3, 082	3, 894	4, 883	5, 196
Connecticut	1, 195	3, 641	3, 844	8, 446	9, 841	11, 259	11, 021	13, 560	15, 749
Middle Atlantic	12, 100	40, 895	67, 990	160, 471	130, 125	176, 815	247, 349	226, 098	255, 528
New York	3, 938	23, 232	24, 448	67, 025	52, 422	66, 058	89, 383	69, 543	95, 793
New Jersey	3, 275	7, 208	16, 320	23, 096	20, 116	26, 024	55, 470	50, 716	54, 951
Pennsylvania	4, 887	10, 425	28, 222	75, 350	57, 687	83, 333	102, 494	105, 839	104, 779
East North Central	15, 800	56, 445	83, 621	267, 988	254, 123	294, 278	260, 399	281, 642	302, 045
Ohio	4, 776	14, 334	18, 213	76, 580	73, 026	76, 035	73, 626	83, 043	80, 580
Indiana	3, 438	14, 234	18, 702	54, 502	54, 525	62, 502	49, 991	49, 810	52, 023
Illinois	3, 844	8, 735	16, 524	39, 610	55, 451	51, 431	45, 154	50, 453	57, 931
Michigan	1, 217	9, 262	16, 525	55, 573	37, 691	52, 614	60, 847	62, 517	66, 576
Wisconsin	1, 924	9, 880	13, 657	41, 714	43, 580	41, 606	31, 281	36, 919	44, 935
West North Central	7, 435	33, 120	64, 779	148, 868	162, 413	184, 108	176, 603	171, 548	167, 794
Minnesota	1, 607	6, 459	13, 223	38, 780	35, 327	42, 984	44, 352	37, 815	41, 283
Iowa	2, 344	10, 188	16, 773	39, 325	34, 838	36, 946	39, 161	34, 521	48, 351
Missouri	1, 571	5, 513	7, 724	16, 128	31, 177	42, 717	41, 224	41, 058	37, 172
North Dakota	453	2, 402	6, 236	7, 247	5, 751	6, 080	6, 210	6, 340	8, 707
South Dakota	269	1, 218	4, 244	14, 189	10, 105	13, 347	13, 056	13, 319	11, 085
Nebraska	495	1, 795	5, 551	10, 528	14, 216	19, 033	16, 041	15, 688	16, 909
Kansas	693	5, 544	11, 027	22, 670	20, 069	23, 001	22, 560	22, 807	34, 197
South Atlantic	4, 530	24, 429	35, 458	106, 657	151, 258	180, 097	192, 389	229, 504	263, 194
Delaware	91	512	1, 994	6, 036	5, 432	4, 892	0, 161	5, 077	5, 148
Maryland	373	6, 001	9, 965	10, 298	12, 945	16, 356	15, 553	14, 213	14, 565
Virginia	683	3, 225	5, 140	15, 485	18, 849	24, 287	22, 578	23, 230	25, 868
West Virginia	588	2, 484	5, 290	10, 000	25, 665	27, 084	20, 098	32, 030	32, 681
North Carolina	624	5, 215	6, 717	29, 324	43, 148	60, 783	46, 799	59, 618	58, 365
South Carolina	334	1, 024	2, 435	10, 049	6, 437	12, 108	19, 652	16, 855	19, 767
Georgia	895	3, 683	6, 917	15, 817	16, 506	25, 675	20, 940	20, 576	29, 450
Florida	437	2, 280	(1)	9, 588	19, 376	18, 903	31, 608	58, 995	77, 350
East South Central	2, 908	12, 755	12, 974	51, 298	58, 860	72, 383	97, 015	81, 036	91, 418
Kentucky	1, 161	2, 475	3, 303	12, 623	15, 647	24, 397	22, 118	16, 284	18, 383
Tennessee	729	2, 371	4, 468	12, 697	14, 565	15, 167	31, 124	23, 354	27, 152
Alabama	373	3, 049	1, 312	5, 608	14, 503	15, 764	18, 260	10, 009	21, 272
Mississippi	340	3, 900	2, 890	20, 308	14, 147	17, 066	24, 912	22, 392	24, 611
West South Central	4, 018	15, 333	32, 524	108, 820	78, 898	108, 791	113, 210	107, 241	119, 720
Arkansas	682	1, 523	9, 381	21, 211	15, 484	20, 474	22, 360	18, 438	23, 432
Louisiana	345	1, 778	(1)	14, 022	16, 142	18, 077	18, 557	10, 910	22, 550
Oklahoma	447	2, 113	9, 052	14, 680	14, 196	18, 849	28, 308	24, 568	25, 641
Texas	2, 544	9, 920	14, 092	53, 907	34, 075	61, 390	43, 985	44, 325	48, 188
Mountain	1, 528	8, 454	25, 143	58, 158	44, 220	45, 392	46, 090	42, 518	46, 388
Montana	309	2, 888	2, 553	10, 383	4, 892	3, 593	4, 520	6, 061	6, 306
Idaho	202	1, 371	4, 300	11, 807	5, 908	5, 585	7, 597	7, 959	8, 318
Wyoming	74	670	1, 915	4, 725	4, 751	5, 785	4, 650	3, 872	3, 609
Colorado	635	1, 938	4, 295	9, 049	10, 675	11, 639	10, 520	10, 829	10, 272
New Mexico	35	596	1, 534	4, 259	3, 659	5, 173	3, 769	5, 681	5, 581
Arizona	68	983	4, 018	10, 048	7, 192	4, 843	4, 048	4, 359	4, 218
Utah	158	803	5, 545	5, 175	4, 209	5, 127	7, 274	3, 793	5, 206
Nevada	47	245	902	2, 111	2, 844	3, 647	3, 712	2, 354	2, 878
Pacific	4, 152	32, 427	41, 505	94, 031	85, 903	81, 514	92, 306	91, 684	92, 591
Washington	1, 345	7, 945	11, 616	24, 239	17, 239	16, 671	15, 710	18, 321	18, 322
Oregon	650	5, 310	10, 391	27, 969	19, 991	15, 360	28, 928	23, 078	22, 973
California	2, 157	19, 172	19, 497	41, 823	48, 674	49, 483	47, 668	49, 785	51, 296

(1) Data not available.

Source: Bureau of Public Roads, Department of Agriculture.

No. 407.—FUNDS AVAILABLE FOR RURAL ROAD PURPOSES: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS, 1927

NOTE.—All figures except percentages in thousands of dollars. Funds are those available for the purposes indicated in Table 408

Division and State	Total	Proceeds of bonds		Federal aid post-road funds ¹		Motor vehicle fees and gasoline taxes		Other taxes and appropriations		All other sources ²	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Continental U. S.	1,941,921	272,080	14.0	80,460	4.1	516,774	26.6	527,477	27.2	544,451	28.0
New England	95,647	5,366	5.6	3,716	3.9	35,347	37.0	24,980	26.1	28,154	27.4
Maine	12,580	546	4.3	632	5.0	4,576	36.3	3,080	29.2	3,154	25.1
New Hampshire	3,671			454	5.2	3,093	35.7	3,720	42.9	1,999	16.1
Vermont	5,686			702	12.3	2,605	46.0	1,363	24.0	1,567	16.8
Massachusetts	34,258	1,200	3.8	854	2.6	12,458	36.4	9,232	26.9	10,394	30.3
Rhode Island	8,564	3,550	41.5	430	5.0	2,826	33.0	1,010	11.9	739	8.6
Connecticut	25,879			614	2.4	9,724	37.6	5,960	23.1	9,575	37.0
Middle Atlantic	369,966	39,729	10.8	8,383	2.3	81,234	22.1	100,712	27.4	137,003	37.3
New York	147,675	3,675	2.5	3,647	2.5	22,743	15.4	49,737	33.7	67,872	46.0
New Jersey	67,471	25,222	37.4	1,072	1.6	16,430	24.4	14,374	21.3	10,394	15.4
Pennsylvania	151,820	10,832	7.1	3,599	2.4	42,061	27.7	36,621	24.1	58,737	38.7
East North Central	391,904	54,593	13.9	19,463	3.2	110,965	28.3	143,224	36.6	70,670	18.0
Ohio	120,250	17,680	14.7	2,368	2.0	34,751	28.9	44,265	36.8	21,180	17.6
Indiana	65,253	10,824	16.6	2,076	3.2	13,457	20.6	25,337	39.7	12,550	19.0
Illinois	65,953	13,342	20.2	2,098	4.5	19,542	29.0	27,620	41.7	2,551	3.9
Michigan	84,780	7,424	8.8	2,664	3.1	28,043	33.1	26,451	31.2	20,169	23.8
Wisconsin	55,568	5,313	9.0	2,357	4.2	15,172	27.3	19,021	34.2	13,705	24.7
West North Central	243,376	10,615	4.4	17,256	7.1	74,804	30.7	72,403	29.7	68,301	28.1
Minnesota	50,192	1,020	2.0	2,056	4.1	15,268	30.4	20,347	40.5	11,511	22.9
Iowa	56,677	1,274	2.2	2,573	4.5	15,707	27.8	13,652	24.1	23,412	41.3
Missouri	43,615	5,013	12.9	3,468	8.0	14,546	33.4	9,947	22.9	9,941	22.8
North Dakota	11,342			2,550	22.5	2,554	22.5	4,000	35.3	2,238	19.7
South Dakota	12,960			718	5.5	4,554	35.1	4,532	35.0	3,156	24.4
Nebraska	20,066			2,425	12.1	7,285	36.4	6,456	32.3	3,341	19.2
Kansas	48,684	2,708	5.6	3,466	7.1	14,840	30.5	13,469	27.7	14,202	29.2
South Atlantic	373,662	100,444	26.5	11,633	3.1	72,418	19.1	65,942	17.4	128,923	39.9
Delaware	5,305	1,033	19.3	511	8.7	1,479	26.0	1,311	22.2	1,421	25.8
Maryland	17,440	3,173	18.2	720	4.1	3,393	22.3	6,109	35.5	3,454	19.8
Virginia	30,001	1,568	5.2	1,869	6.2	10,916	36.4	6,062	20.2	9,595	32.0
West Virginia	40,705	12,000	29.5	1,252	3.1	7,469	18.2	9,680	23.8	10,355	25.4
North Carolina	89,325	29,642	33.2	1,713	1.9	14,014	15.7	13,886	15.2	30,869	34.0
South Carolina	43,271	13,658	31.6	1,124	2.6	7,055	16.3	2,933	6.8	13,801	32.8
Georgia	34,536	1,566	4.5	2,746	8.0	10,672	30.9	11,982	34.7	7,571	21.9
Florida	117,479	37,794	32.1	1,688	1.4	16,980	14.5	14,189	12.1	46,857	39.9
East South Central	181,708	25,628	19.5	6,428	4.9	31,592	24.0	32,619	24.8	36,472	28.9
Kentucky	22,432	3,462	15.4	1,420	6.3	9,952	44.4	6,979	31.1	620	2.8
Tennessee	39,598	7,841	19.8	1,812	4.6	7,377	18.6	7,284	18.4	15,284	38.6
Alabama	25,945	5,213	20.8	1,251	5.0	7,507	30.0	5,448	21.8	5,625	22.5
Mississippi	44,633	9,112	20.4	1,945	4.4	6,726	15.1	12,908	28.9	13,942	31.2
West South Central	159,497	28,091	17.6	7,750	4.9	50,223	31.5	36,058	22.6	27,374	23.4
Arkansas	31,850	13,236	41.6	505	1.6	8,001	25.1	2,400	7.5	7,708	24.2
Louisiana	29,838	2,855	9.6	1,073	3.6	7,108	23.8	8,408	28.2	10,395	34.8
Oklahoma	30,576	1,500	4.9	1,207	3.9	12,337	40.3	7,950	26.0	7,883	24.8
Texas	67,233	10,500	15.6	4,965	7.4	22,777	33.9	17,300	25.7	11,692	17.4
Mountain	55,932	1,788	3.2	8,688	15.5	18,131	32.6	15,993	28.4	13,453	24.1
Montana	7,825	120	1.6	895	11.7	1,781	23.4	2,970	39.0	1,860	24.4
Idaho	11,465	66	.6	1,067	9.3	3,085	26.9	3,420	29.8	3,827	33.4
Wyoming	3,994			930	23.3	1,292	32.0	680	17.0	1,092	27.3
Colorado	12,512			1,148	9.2	4,137	33.1	4,124	33.0	3,103	24.8
New Mexico	5,819	1,447	24.9	1,782	30.6	1,551	26.7	841	14.5	197	3.4
Arizona	4,221			721	17.1	1,644	38.9	1,431	38.6	225	5.3
Utah	6,552			1,149	17.5	1,936	29.5	1,641	22.0	2,026	30.9
Nevada	3,744	135	3.6	995	26.6	705	18.8	786	21.0	1,123	30.0
Pacific	117,628	5,818	4.9	4,240	8.6	44,092	37.5	35,646	30.3	27,831	23.7
Washington	19,078	95	.5	699	3.7	8,694	45.0	7,120	37.3	2,570	13.5
Oregon	25,717	4,000	15.6	1,112	4.3	10,138	39.4	5,309	20.6	5,167	20.1
California	72,838	1,723	2.4	2,429	3.3	25,300	34.8	23,226	31.9	20,094	27.6

¹ For road and bridge purposes under supervision of State highway departments only.

² Includes balance from previous year, miscellaneous income, and funds transferred.

Source: Bureau of Public Roads, Department of Agriculture.

No. 408.—DISTRIBUTION OF EXPENDITURES FOR ALL RURAL ROAD PURPOSES, 1927: ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS

[All figures except percentages in thousands of dollars]

Division and State	Total	New and re-constructed roads and bridges		Maintenance roads and bridges		Principal and interest on highway bonds		Equipment and miscellaneous ¹	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Continental U. S.....	1,448,121	680,219	47.6	376,754	26.0	244,886	16.9	137,268	9.5
New England.....	76,440	38,935	50.8	27,242	35.6	2,968	3.9	7,353	9.7
Maine.....	11,384	5,484	48.2	3,070	32.2	1,136	10.0	1,094	9.6
New Hampshire.....	5,772	1,625	28.2	3,351	58.1	—	—	796	13.8
Vermont.....	5,080	2,821	55.5	1,919	37.8	—	—	340	6.7
Massachusetts.....	33,262	18,738	56.3	9,245	27.8	1,420	4.3	3,858	11.6
Rhode Island.....	5,196	1,646	31.7	2,395	46.1	—	—	742	14.3
Connecticut.....	15,746	8,521	54.1	6,662	42.3	—	—	563	3.6
Middle Atlantic.....	258,528	190,040	50.3	45,585	17.6	48,068	17.8	36,837	14.3
New York.....	98,798	66,305	67.1	11,069	11.2	8,820	8.9	12,005	12.3
New Jersey.....	54,961	24,112	43.9	6,678	12.2	15,856	28.9	8,306	15.1
Pennsylvania.....	104,779	39,623	37.8	27,838	26.6	21,392	20.4	15,926	15.2
East North Central.....	302,045	187,065	49.1	91,382	30.2	61,722	20.4	21,924	7.3
Ohio.....	30,580	25,832	32.1	27,395	34.0	24,382	30.3	2,671	8.7
Indiana.....	52,023	20,407	39.2	13,664	26.3	15,236	29.3	2,715	5.2
Illinois.....	57,931	27,219	47.0	17,875	30.9	8,492	14.7	4,344	7.5
Michigan.....	66,576	32,534	48.9	18,103	27.2	11,984	18.0	3,955	5.9
Wisconsin.....	44,935	21,073	46.9	14,295	31.8	1,628	3.6	7,939	17.7
West North Central.....	197,794	114,288	57.8	49,515	25.0	18,295	8.2	17,728	9.0
Minnesota.....	41,283	25,242	61.1	8,950	21.7	3,815	9.2	3,277	7.9
Iowa.....	48,351	24,227	50.1	15,373	31.8	2,115	4.4	6,637	13.7
Missouri.....	37,172	18,934	50.9	8,599	23.1	6,782	18.2	2,857	7.7
North Dakota.....	8,797	7,077	80.4	925	10.5	—	—	795	9.0
South Dakota.....	11,085	5,700	51.4	3,942	35.6	755	6.8	688	6.2
Nebraska.....	16,909	9,747	57.6	5,230	30.9	289	1.7	1,643	9.7
Kansas.....	34,197	23,361	68.3	6,496	19.0	2,509	7.3	1,831	5.4
South Atlantic.....	263,194	141,189	53.6	51,669	19.6	45,523	17.3	24,835	9.4
Delaware.....	5,148	2,403	46.7	622	12.1	1,435	27.9	680	13.4
Maryland.....	14,565	4,935	33.9	5,822	40.0	3,636	25.0	173	1.2
Virginia.....	25,368	11,499	45.3	9,644	38.0	2,866	11.3	1,359	5.4
West Virginia.....	32,681	19,165	58.6	5,172	15.8	7,322	22.4	1,022	3.1
North Carolina.....	58,865	23,305	39.7	7,919	13.5	16,875	28.7	10,676	18.1
South Carolina.....	19,767	11,072	56.0	3,964	20.1	2,276	11.5	2,455	12.4
Georgia.....	20,460	17,001	83.1	7,959	27.0	2,323	7.9	2,167	7.4
Florida.....	77,350	51,699	66.8	10,567	13.7	8,790	11.4	6,294	8.1
East South Central.....	91,418	35,151	38.5	29,973	32.8	17,818	19.5	8,475	9.3
Kentucky.....	18,383	8,487	46.2	5,373	29.2	1,896	10.3	2,627	14.3
Tennessee.....	27,152	12,117	44.6	7,277	26.8	4,561	16.9	3,167	11.7
Alabama.....	21,272	8,327	38.7	6,842	32.2	4,434	20.8	1,768	8.3
Mississippi.....	24,611	6,320	25.7	10,481	42.6	6,897	28.0	913	3.7
West South Central.....	119,720	44,749	37.4	36,491	30.5	30,604	25.6	7,870	6.6
Arkansas.....	23,432	5,162	22.0	4,092	17.5	11,560	49.5	2,588	11.0
Louisiana.....	22,559	9,577	42.5	5,601	24.8	5,404	24.0	1,976	8.8
Oklahoma.....	25,541	12,420	48.6	9,393	36.8	2,050	8.0	1,679	6.6
Texas.....	48,188	17,590	36.5	17,405	36.1	11,560	24.0	1,633	3.4
Mountain.....	46,388	19,582	42.2	14,916	32.2	6,757	14.6	5,132	11.1
Montana.....	6,306	2,034	32.3	2,359	37.4	1,290	20.5	623	9.9
Idaho.....	8,318	2,789	33.5	1,628	23.2	2,319	27.9	1,281	15.4
Wyoming.....	3,669	2,059	57.1	1,087	30.1	160	4.4	303	8.4
Colorado.....	10,272	3,992	38.9	4,167	40.6	1,085	10.6	1,028	10.0
New Mexico.....	5,581	3,100	55.5	1,283	23.0	502	9.0	695	12.5
Arizona.....	4,218	1,602	38.0	2,018	47.8	140	3.3	459	10.9
Utah.....	5,206	2,437	46.8	1,404	27.0	962	18.5	402	7.7
Nevada.....	2,878	1,569	54.5	670	23.3	289	10.4	341	11.8
Pacific.....	92,591	38,338	41.4	30,031	32.4	17,156	18.5	7,664	7.6
Washington.....	18,322	9,454	51.5	6,143	33.5	1,594	8.7	1,151	6.3
Oregon.....	22,973	10,368	45.1	5,734	25.0	5,613	24.4	1,258	5.5
California.....	51,296	18,536	36.1	18,154	35.4	9,951	19.4	4,655	9.1

¹ Includes administration and engineering.

Source: Bureau of Public Roads, Department of Agriculture.

No. 409.—HIGHWAY CONSTRUCTION UNDER FEDERAL AID: STATUS AS OF
DECEMBER 31, 1928

[Total cost and Federal aid expressed in thousands of dollars]

Division and State	Mileage completed prior to Jan. 1, 1929	Projects under construction			Projects approved for construction			Federal aid fund available for new projects
		Total cost	Federal aid	Miles	Total cost	Federal aid	Miles	
Grand total	78,075	230,649	91,343	9,216	32,434	12,819	1,593	101,372
New England	1,975	8,821	2,618	161	1,980	714	36	6,287
Maine.....	466	2,246	750	53	192	94	9	1,453
New Hampshire.....	332	279	109	8				399
Vermont.....	229	965	289	20				410
Massachusetts.....	568	2,827	897	49	739	191	13	2,411
Rhode Island.....	100	611	153	9	381	150	10	776
Connecticut.....	220	1,893	420	22	668	279	4	838
Middle Atlantic	4,473	47,128	10,752	708	3,707	985	63	11,560
New York.....	2,034	23,763	6,341	422	1,891	393	26	6,981
New Jersey.....	443	5,225	907	61	108	34	2	946
Pennsylvania.....	1,996	13,140	3,504	225	1,708	568	35	3,633
East North Central	8,531	52,302	22,377	1,453	7,386	2,610	163	13,966
Ohio.....	1,060	10,890	3,852	238	3,997	1,168	65	3,549
Indiana.....	1,244	5,833	2,786	179	907	433	32	1,960
Illinois.....	1,778	20,208	9,218	635	1,539	648	39	3,113
Michigan.....	1,441	11,181	4,724	272	779	324	21	2,163
Wisconsin.....	2,108	4,121	1,797	129	74	37	6	3,181
West North Central	22,084	20,399	11,079	2,282	4,200	1,689	458	14,174
Minnesota.....	4,090	1,083	336	107	106	15	(2)	2,147
Iowa.....	2,995	2,525	1,005	126	593	257	37	2,075
Missouri.....	2,280	7,688	2,886	216	1,466	636	61	1,816
North Dakota.....	3,678	2,794	1,210	514	833	301	264	1,240
South Dakota.....	3,234	2,341	1,273	465	245	135	21	1,364
Nebraska.....	3,462	3,736	1,847	448	530	164	36	3,394
Kansas.....	2,345	6,292	2,522	386	547	181	30	2,133
South Atlantic	9,038	24,134	8,971	1,008	1,637	608	84	10,705
Delaware.....	205	534	256	16				461
Maryland.....	568	1,742	800	78				694
Virginia.....	1,813	3,062	1,115	103	644	21	22	1,450
West Virginia.....	692	1,173	551	49	471	211	21	1,103
North Carolina.....	1,666	1,999	1,015	98	510	251	22	1,889
South Carolina.....	1,717	6,861	1,488	247	3	1	1	1,077
Georgia.....	2,457	5,436	2,513	296	259	124	18	1,995
Florida.....	430	2,784	1,233	116				2,066
East South Central	5,820	18,150	8,351	924	2,566	1,184	142	7,517
Kentucky.....	1,259	4,934	2,215	220	789	325	47	1,426
Tennessee.....	1,068	4,769	2,103	172	541	246	24	2,115
Alabama.....	1,902	3,246	1,619	261	936	468	51	2,519
Mississippi.....	1,591	5,261	2,414	271	290	145	20	1,457
West South Central	10,798	22,665	10,136	1,050	6,921	2,943	398	11,099
Arkansas.....	1,736	3,743	1,657	109	74	37	11	3,051
Louisiana.....	1,281	4,682	2,333	193	103	25	(2)	1,209
Oklahoma.....	1,704	3,330	1,520	176	549	248	24	1,673
Texas.....	6,077	10,930	4,626	572	6,195	2,633	363	5,166
Mountain	9,834	17,265	11,150	1,288	1,862	1,071	177	17,642
Montana.....	1,518	3,240	1,932	255	716	376	80	5,515
Idaho.....	1,077	1,836	1,096	139	70	42	4	1,001
Wyoming.....	1,611	1,374	845	160				1,029
Colorado.....	1,664	3,461	1,863	172	322	181	18	3,043
New Mexico.....	1,786	3,255	2,130	202	279	177	28	1,347
Arizona.....	877	1,461	1,233	80	160	43	4	3,717
Utah.....	899	1,347	885	69	123	91	7	695
Nevada.....	1,002	1,231	1,116	211	182	161	36	1,085
Pacific	3,486	13,595	5,854	559	1,943	1,015	77	6,989
Washington.....	830	3,896	1,314	93	53	44	5	1,538
Oregon.....	1,132	550	322	32	108	67	(2)	2,344
California.....	1,524	9,149	4,218	234	1,762	904	72	3,107
Hawaii	39	176	58	2				1,432

¹ Includes Hawaii.

² Less than five-tenths of 1 mile.

Source: Bureau of Public Roads, Department of Agriculture.

No. 410.—PRODUCTION AND REGISTRATION OF MOTOR VEHICLES

NOTE.—Figures for earlier years are largely estimates. Beginning with 1921, data include production of plants located in Canada, making motor vehicles of United States design, and cars assembled in foreign countries from American parts. Motorcycles and trailers are not included

Year	Production ¹						Registration (in thousands)		
	Number (in thousands)			Wholesale value (thousands of dollars)			Total	Passenger cars, busses, and taxis	Trucks and road tractors ²
	Total	Passenger cars	Motor trucks	Total	Passenger cars	Motor trucks			
1900 ³	4	4	—	4,800	4,800	—	8	—	—
1901	7	7	—	8,183	8,183	—	15	—	—
1902	9	9	—	10,305	10,305	—	23	—	—
1903	11	11	—	13,000	13,000	—	33	—	—
1904 ³	23	22	(⁴)	24,620	23,082	947	55	55	(⁴)
1905	25	25	(⁴)	40,000	39,030	970	78	77	1
1906	34	33	1	62,000	61,850	1,050	107	106	1
1907	44	43	1	93,400	92,040	1,360	142	140	2
1908	66	63	2	137,800	135,250	2,550	198	194	3
1909 ³	131	128	3	165,140	159,910	5,230	312	306	6
1910	187	181	6	225,000	215,340	9,660	468	458	10
1911	210	190	11	246,000	225,000	21,000	640	620	20
1912	378	350	22	378,000	335,000	43,000	944	903	41
1913	485	462	23	443,902	399,902	44,000	1,258	1,194	64
1914 ³	569	544	25	458,958	413,850	45,098	1,711	1,620	80
1915	970	896	74	701,778	575,978	125,800	2,440	2,310	130
1916	1,618	1,526	92	1,082,378	921,378	161,000	3,513	3,268	245
1917	1,874	1,746	128	1,274,488	1,053,506	220,983	4,983	4,657	326
1918	1,171	943	227	1,236,107	801,938	434,169	6,147	5,622	525
1919	1,934	1,658	276	1,885,113	1,401,780	423,327	7,565	6,771	794
1920	2,227	1,906	322	2,232,420	1,800,171	423,249	9,232	8,226	1,006
1921	1,682	1,520	163	1,261,607	1,095,883	165,724	10,463	9,483	980
1922	2,646	2,398	248	1,793,023	1,571,509	221,454	12,238	10,960	1,270
1923	4,180	3,780	400	2,592,033	2,282,954	309,080	15,092	13,540	1,553
1924	3,758	3,328	410	2,367,413	2,049,102	318,311	17,694	15,461	2,133
1925	4,428	3,905	523	3,015,104	2,555,419	459,744	19,937	17,496	2,441
1926	4,506	3,984	522	3,214,817	2,708,440	456,371	22,001	19,237	2,764
1927	3,580	3,093	487	2,700,703	2,209,086	431,650	23,133	20,219	2,914
1928	4,601	4,025	577	3,162,700	2,708,955	453,844	24,493	21,379	3,114

¹ See headnote.

² Road tractors are not included prior to 1924.

³ Production data are from United States Census Reports and in 1900 are for fiscal year ended June 30.

⁴ Less than 500.

Sources: National Automobile Chamber of Commerce and Bureau of Public Roads.

No. 411.—PRODUCTION OF OPEN AND CLOSED CARS BY PRICE GROUPS IN UNITED STATES AND CANADA ¹

Year	Under \$1,000		\$1,000 to \$2,000		\$2,000 to \$3,000		\$3,000 and over		Per cent closed, all classes
	Open	Closed	Open	Closed	Open	Closed	Open	Closed	
1910	888,500	87,900	532,200	46,300	52,900	16,700	23,100	10,100	9.7
1920	904,900	213,700	548,300	74,300	63,200	17,800	49,700	14,300	17.0
1921	820,100	224,600	287,800	65,900	51,600	30,100	19,500	15,300	22.1
1922	1,343,000	431,400	315,400	207,300	11,700	48,200	8,700	32,100	30.0
1923	2,074,200	694,100	396,300	221,000	7,700	37,500	2,900	27,300	34.0
1924	1,648,300	786,440	227,257	572,943	9,567	33,333	5,059	39,211	43.1
1925	1,432,557	1,421,143	239,363	674,237	14,960	66,240	10,920	51,480	56.6
1926	979,040	2,680,480	120,667	657,833	9,922	53,678	17,900	53,700	71.6
1927	320,912	1,684,788	202,306	704,694	30,141	108,759	6,204	27,696	81.9
1928	618,821	2,313,979	66,103	851,997	5,968	127,302	4,939	34,261	82.7

¹ Prior to 1922 figures are based only on price of five-passenger open cars of a given chassis. Thus, if this model sold for less than \$1,000, the total production of cars with the same chassis is included in the "under \$1,000" class, even though closed models sold for over \$1,000. In 1922 and later years actual f. o. b. prices of open and closed models are considered separately and the cars included under proper classification.

Source: Automotive Industries. The grouping is based on retail prices f. o. b. factory.

No. 412.—MOTOR-VEHICLE: PRODUCTION IN THE UNITED STATES

Month	1920	1921	1922	1923	1924	1925	1926	1927	1928
	Passenger cars								
Total.....	1,905,660	1,463,111	2,302,028	3,051,130	3,210,005	3,793,939	3,819,162	2,946,801	3,826,613
January.....	157,115	45,397	80,194	224,549	287,198	211,765	278,995	109,650	205,640
February.....	155,921	60,320	104,930	254,808	337,045	249,397	336,472	204,171	201,181
March.....	193,641	98,941	132,511	324,314	347,164	329,115	398,703	346,031	371,821
April.....	149,437	137,640	117,063	340,233	337,238	355,055	380,954	353,682	304,877
May.....	182,027	144,007	232,409	350,279	277,284	374,289	378,826	358,725	376,869
June.....	132,826	177,086	252,704	338,424	240,794	356,688	343,353	280,620	356,692
July.....	131,051	166,616	283,823	300,896	242,177	356,688	320,411	237,811	338,792
August.....	176,284	107,736	240,897	317,141	254,610	222,314	333,227	275,585	400,593
September.....	160,530	144,670	194,485	300,647	292,605	266,506	354,355	226,443	358,872
October.....	138,031	134,774	211,164	335,836	260,244	306,530	292,562	183,042	330,976
November.....	118,944	106,081	210,655	286,006	204,833	333,742	222,419	100,768	217,266
December.....	66,793	70,727	205,142	277,947	170,233	283,934	130,850	106,083	205,144
Motor trucks and busses									
Total.....	321,789	143,712	241,253	332,832	392,535	496,837	481,772	454,725	530,771
January.....	30,822	7,840	9,180	21,240	31,391	28,814	30,003	20,258	26,082
February.....	29,109	10,273	12,035	23,283	33,524	34,241	27,180	40,564	32,645
March.....	35,571	13,512	19,176	35,162	36,260	45,201	44,704	48,482	41,508
April.....	23,941	14,561	21,491	35,855	38,630	48,734	40,392	47,700	45,227
May.....	27,922	12,708	23,133	45,276	37,893	44,767	40,341	46,923	49,620
June.....	32,851	13,434	26,172	41,686	31,006	38,929	42,881	43,197	40,174
July.....	28,601	11,254	21,932	30,948	27,635	42,259	39,190	31,585	53,384
August.....	28,971	13,514	23,071	31,075	30,083	37,622	43,624	34,409	60,705
September.....	27,094	14,090	19,442	27,073	33,687	59,222	44,583	23,867	56,422
October.....	27,267	13,285	21,660	30,625	34,309	45,301	41,859	36,640	57,136
November.....	16,031	10,563	21,983	28,498	30,238	38,529	33,832	24,612	39,679
December.....	12,639	8,728	20,143	29,061	27,829	32,733	28,074	27,438	27,901

No. 413.—STATE GASOLINE TAXES

NOTE.—In a majority of States all the proceeds of these taxes and in all but a few of the others the great bulk of the proceeds are applied to road purposes

State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—	State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—		
	1925	1927	1928			1925	1927	1928			
	1925	1927	1928			1927	1928				
Total.....	146,029	258,839	306,234								
Alabama.....	2,141	5,909	6,614	4	4	Montana.....	675	1,436	1,633	3	3
Arizona.....	856	1,380	2,018	4	4	Nebraska.....	2,194	3,665	3,941	2	2
Arkansas.....	1,2,950	2,4,330	5,833	5	5	Nevada.....	319	472	521	4	4
California.....	14,957	22,467	29,567	3	3	New Hampshire.....	707	1,269	1,834	3	4
Colorado.....	1,961	3,140	3,921	3	3	New Jersey.....	(?)	4,083	8,470	2	2
Connecticut.....	1,909	3,055	3,512	2	2	New Mexico.....	587	1,416	1,852	5	5
Delaware.....	342	632	800	3	3	North Carolina.....	6,082	8,787	9,787	4	4
Dist. of Col.....	890	1,149	1,203	2	2	North Dakota.....	634	1,276	1,470	2	2
Florida.....	7,658	10,981	11,258	5	5	Ohio.....	9,010	19,910	24,836	3	3
Georgia.....	4,419	7,066	8,245	4	4	Oklahoma.....	5,144	7,198	8,148	3	3
Idaho.....	895	1,572	1,854	4	4	Oregon.....	2,900	3,043	4,008	3	3
Illinois.....	(?)	6,200	4,837	2	(?)	Pennsylvania.....	8,353	17,290	21,098	3	3
Indiana.....	7,653	10,134	11,178	3	3	Rhode Island.....	318	916	1,192	2	2
Iowa.....	3,505	7,243	8,536	3	3	South Carolina.....	3,865	5,080	5,518	5	5
Kansas.....	2,905	4,595	5,395	2	2	South Dakota.....	1,848	2,304	3,159	4	4
Kentucky.....	3,042	5,913	6,743	5	5	Tennessee.....	3,408	4,476	5,135	3	3
Louisiana.....	2,340	3,034	3,381	2	2	Texas.....	4,442	15,051	17,045	3	2
Maine.....	1,268	2,280	3,192	4	4	Utah.....	1,064	1,461	1,665	3 1/2	3 1/2
Maryland.....	1,977	4,169	5,426	4	4	Vermont.....	502	905	1,119	3	3
Michigan.....	8,236	14,261	18,335	3	3	Virginia.....	3,702	7,140	8,616	4 1/2	5
Minnesota.....	3,864	5,175	5,768	2	2	Washington.....	3,021	5,821	4,207	2	2
Mississippi.....	2,494	4,801	5,697	4	5	West Virginia.....	2,187	3,704	4,303	4	4
Missouri.....	4,159	6,331	6,948	2	2	Wisconsin.....	4,032	6,027	6,837	2	2
						Wyoming.....	456	756	954	3	3

¹ In addition, \$438,436 was collected on motor-oil tax of 10 cents per gallon.

² Tentative data; accounts to be audited.

³ No tax imposed.

⁴ January receipts only; law found invalid Feb. 24, 1928.

⁵ Includes \$130,206 in 1927 and \$131,842 in 1928 extra tax for sea wall to protect State highway.

Sources: Table 412, Survey of Current Business, Department of Commerce; Table 413, Bureau of Public Roads, Department of Agriculture.

No. 414.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES

NOTE.—Net number of cars and trucks shown when possible, excluding registrations and nonresident registrations. Totals in this table do not include those official cars which are exempt (or partially exempt) from paying regular registration fees to the States

Division and State	1913	1915	1920	1921 ¹	1922 ¹	1927 ¹	1928 ¹	
							Total	Per 1,000 Population
Continental United States	1,258,062	2,445,668	9,231,941	17,593,677	22,001,393	28,153,241	24,498,124	204
New England	121,327	206,609	573,391	1,143,222	1,378,721	1,482,801	1,523,288	184
Maine	11,022	21,545	62,907	127,598	151,456	163,623	172,693	217
New Hampshire	8,237	13,440	34,680	71,149	89,001	96,009	102,644	225
Vermont	6,013	11,409	31,625	61,179	74,063	79,527	86,231	245
Massachusetts	62,660	102,633	274,498	570,378	690,190	694,107	726,295	169
Rhode Island	10,295	16,362	50,477	95,482	110,746	118,014	125,695	176
Connecticut	23,200	41,121	119,184	217,236	263,235	281,521	309,792	186
Middle Atlantic	266,033	407,227	1,474,166	3,146,164	3,922,033	4,205,220	4,484,579	178
New York	134,495	255,242	676,205	1,412,379	1,815,434	1,937,918	2,083,942	130
New Jersey	51,360	81,848	227,737	604,470	651,415	712,396	768,430	198
Pennsylvania	80,178	160,137	570,164	1,228,345	1,455,184	1,554,915	1,624,207	167
East North Central	314,524	653,665	2,229,396	4,405,307	5,404,142	5,676,418	5,969,220	239
Ohio	86,156	131,332	621,390	1,241,600	1,480,246	1,570,734	1,640,690	242
Indiana	45,000	96,915	339,067	651,705	772,326	813,637	823,506	250
Illinois	94,653	180,832	568,924	1,119,236	1,370,503	1,438,985	1,504,359	203
Michigan	54,366	114,845	412,717	867,645	1,118,785	1,154,773	1,240,221	272
Wisconsin	34,346	79,741	293,293	625,221	662,282	693,289	742,136	251
West North Central	232,044	499,992	1,782,948	2,639,413	3,187,938	3,239,379	3,410,057	257
Minnesota	46,000	93,269	324,160	503,437	630,285	646,682	673,573	247
Iowa	70,299	145,109	437,378	616,123	693,098	704,203	733,466	203
Missouri	38,140	76,462	297,008	540,600	654,554	682,419	712,965	202
North Dakota	15,187	24,908	90,840	117,846	157,322	160,701	173,525	271
South Dakota	14,457	28,724	120,395	142,396	168,230	169,552	191,374	272
Nebraska	13,411	59,000	219,000	303,715	360,773	373,912	391,355	278
Kansas	34,550	72,520	294,159	410,891	491,276	501,901	533,799	201
South Atlantic	77,823	150,594	806,053	1,642,194	2,204,899	2,344,596	2,428,176	151
Delaware	2,440	5,052	18,300	35,136	44,334	47,121	51,210	210
Maryland	14,217	31,047	102,841	193,465	252,852	276,863	285,311	177
Dist. of Columbia	4,000	8,009	34,161	88,762	111,497	111,680	126,566	229
Virginia	9,022	21,367	116,470	261,945	322,614	337,607	360,545	140
West Virginia	5,144	13,279	80,664	191,085	227,336	245,819	251,566	146
North Carolina	10,000	21,000	140,860	302,232	385,047	430,499	464,376	158
South Carolina	10,000	15,000	93,843	161,753	181,189	199,635	216,805	116
Georgia	4 20,000	25,000	146,000	297,633	277,468	309,635	318,856	100
Florida	4 3,000	4 10,850	73,914	195,123	401,562	394,734	352,061	250
East South Central	26,860	48,491	337,658	726,428	992,326	1,041,770	1,142,129	121
Kentucky	7,210	19,500	112,683	229,504	281,557	285,621	304,231	111
Tennessee	6 10,000	6 7,618	401,852	204,680	279,639	294,867	322,137	120
Alabama	5,300	11,634	74,637	157,262	225,030	243,830	260,619	105
Mississippi	3,850	9,609	68,480	134,680	205,200	218,043	246,242	137
West South Central	48,583	84,433	772,655	1,491,719	1,998,728	2,076,101	2,223,364	188
Arkansas	3,633	8,021	59,082	141,983	209,419	205,503	214,931	111
Louisiana	6 10,000	11,350	73,000	7 178,000	239,500	255,000	264,293	136
Oklahoma	4 3,000	25,932	212,880	369,903	499,938	508,126	529,843	218
Texas	6 32,000	6 40,000	427,693	801,333	1,049,369	1,111,407	1,214,297	221
Mountain	33,215	78,530	374,473	591,750	735,988	794,608	861,418	270
Montana	5,016	14,540	60,650	70,695	103,958	112,735	126,035	330
Idaho	2,113	7,071	50,361	69,227	95,760	101,336	108,154	168
Wyoming	1,684	3,976	23,926	43,639	49,333	51,955	67,330	223
Colorado	13,000	28,394	129,255	213,247	249,013	268,492	284,807	261
New Mexico	1,893	5,100	22,100	41,680	54,096	59,291	65,737	166
Arizona	3,613	7,753	34,601	57,823	73,682	81,047	94,372	199
Utah	4,000	9,177	42,616	68,316	85,390	93,974	98,541	186
Nevada	1,091	2,009	10,464	18,118	24,014	25,776	27,376	350
Pacific	188,153	228,205	861,333	1,807,452	2,197,322	2,322,350	2,480,883	348
Washington	24,178	38,823	173,920	295,443	363,279	384,533	402,875	254
Oregon	13,575	23,585	103,790	192,615	238,568	244,572	248,113	275
California	6 100,000	163,797	583,623	1,319,394	1,600,475	1,693,195	1,799,890	395

¹ Includes road tractors (excluding farm tractors) not included prior to 1921. ⁴ Registrations incomplete.
² Includes nonresident registrations. ⁵ Estimated.
³ Fiscal registration year ends June 30; figures represent registration July 1 to Dec. 31. ⁶ Cars registered during 1915 only; total, approximately 26,000.
⁷ Approximate.

Source: Bureau of Public Roads, Department of Agriculture.

No. 415.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1928

Division and State	Number of motor cars					Trailers, registered ¹	Motor cycles, registered and official combined	Receipts from motor-vehicle administration		Amount applied to rural highway work
	Total	Individually and commercially owned, registered		Tax-exempt official motor cars	Total receipts ²			Registration motor cars ³		
		Passenger cars, busses, and taxis	Trucks and road tractors							
Thousands of dollars										
Continental U. S.	4 24,629,021	21,279,125	3,119,999	4 136,797	148,169	121,656	322,630	259,528	501,105	
New England	1,628,029	1,311,138	212,169	4,731	2,663	13,832	30,494	24,199	28,404	
Maine	174,028	139,460	33,178	1,390	1,068	1,204	2,764	2,147	2,403	
New Hampshire	102,666	83,594	14,050	22	545	1,330	2,071	1,674	1,506	
Vermont	80,269	78,685	7,546	28	218	631	2,091	1,784	2,091	
Massachusetts	726,851	637,153	89,142	556	547	6,856	13,920	11,128	12,608	
Rhode Island	126,439	106,155	19,543	741	61	1,166	2,274	1,832	7,374	
Connecticut	311,786	261,091	48,701	1,994	224	2,665	7,374	5,627	7,374	
Middle Atlantic	4,609,795	3,811,264	673,326	25,216	13,429	37,088	74,990	61,778	65,997	
New York	2,069,761	1,760,549	323,393	15,819	7,148	15,802	34,307	31,084	29,197	
New Jersey	765,501	629,748	128,632	7,071	1,996	7,479	13,569	9,934	12,419	
Pennsylvania	1,644,533	1,420,957	221,250	2,326	4,285	13,807	27,114	20,760	24,381	
East North Central	5,992,104	5,203,072	789,148	22,884	49,842	24,974	63,946	50,969	61,906	
Ohio	1,662,158	1,450,694	198,705	12,459	14,606	9,472	11,840	11,266	11,454	
Indiana	831,521	706,713	117,093	7,715	7,884	9,124	5,752	5,348	5,593	
Illinois	1,505,333	1,314,008	190,350	970	3,742	5,826	15,522	14,379	15,486	
Michigan	1,249,592	1,084,015	164,606	371	23,108	3,686	20,057	18,367	19,323	
Wisconsin	743,495	646,747	95,388	1,300	1,412	2,360	10,775	10,409	10,135	
West North Central	3,421,691	3,045,868	364,189	11,684	9,462	8,386	43,588	33,893	42,322	
Minnesota	674,078	583,789	89,784	1,405	3,394	2,083	10,102	10,011	10,102	
Iowa	736,710	672,447	61,019	3,244	230	1,728	10,693	10,134	10,436	
Missouri	714,748	636,717	76,248	1,783	2,004	1,824	8,766	8,396	8,396	
North Dakota	173,528	151,773	21,747	3	236	1,775	1,760	1,760	1,805	
South Dakota	192,404	171,067	20,307	1,030	230	2,902	2,872	2,842	2,842	
Nebraska	392,869	358,173	33,132	1,514	2,975	1,226	3,961	3,729	3,833	
Kansas	536,454	471,897	61,902	2,665	359	1,259	5,394	5,377	5,108	
South Atlantic	2,455,079	2,199,322	258,854	20,903	7,627	11,733	31,680	23,369	28,737	
Delaware	61,254	41,195	10,015	44	501	745	929	745	929	
Maryland	288,780	278,221	10,090	3,469	683	2,232	3,085	2,381	2,124	
Dist. Columbia	129,691	112,505	14,051	5,025	1,292	474	135	135	135	
Virginia	304,748	306,911	53,634	4,293	646	2,271	5,572	5,169	5,312	
West Virginia	253,683	215,787	35,769	2,127	600	1,479	4,143	3,807	3,903	
North Carolina	471,005	418,864	45,512	6,629	1,944	1,244	6,088	5,728	5,728	
South Carolina	199,530	194,297	22,538	2,745	1,637	482	2,441	2,282	2,416	
Georgia	319,760	277,841	40,975	954	816	1,073	4,042	3,976	3,899	
Florida	356,688	290,691	66,270	3,727	7,100	1,960	4,936	4,874	4,367	
East South Central	1,148,457	1,018,721	125,408	6,388	4,971	2,547	15,079	4,582	14,482	
Kentucky	306,231	272,636	31,595	2,000	(⁴)	808	4,725	4,582	4,530	
Tennessee	325,558	294,305	27,832	3,421	(⁴)	1,059	4,066	3,957	3,957	
Alabama	270,352	235,026	34,493	833	1,652	611	3,474	3,322	3,322	
Mississippi	240,310	214,754	31,488	74	2,919	69	2,814	2,673	2,673	
West South Central	2,327,496	1,930,303	293,061	4,134	18,099	5,599	32,130	24,970	31,554	
Arkansas	215,821	181,230	33,651	890	2,054	3,789	3,708	3,708	3,710	
Louisiana	264,502	223,445	40,848	209	4,000	625	4,384	4,303	4,354	
Oklahoma	530,373	465,530	64,293	530	---	1,124	6,289	6,250	6,250	
Texas	1,216,802	1,060,028	154,269	2,505	11,955	3,481	17,701	16,961	17,201	
Mountain	867,730	766,589	94,829	6,312	1,676	3,118	7,463	4,840	6,978	
Montana	127,506	104,321	21,804	1,471	---	185	1,297	1,190	1,190	
Idaho	109,488	96,960	11,194	1,334	204	424	1,627	1,578	1,627	
Wyoming	56,841	48,766	7,876	505	---	128	573	573	573	
Colorado	285,150	260,906	23,961	283	85	1,234	1,790	1,659	1,624	
New Mexico	66,638	63,743	1,994	601	340	250	628	599	557	
Arizona	95,533	86,036	8,338	1,161	809	281	566	434	566	
Utah	98,714	84,220	14,321	173	---	520	731	601	601	
Nevada	27,860	21,733	5,643	484	178	94	240	238	238	
Pacific	2,471,879	2,154,868	298,025	20,796	40,599	14,381	23,289	20,946	20,731	
Washington	407,493	344,977	57,898	4,618	2,279	2,737	7,023	6,363	6,241	
Oregon	249,553	227,404	20,714	1,435	1,238	2,046	6,969	6,720	6,669	
California	1,814,633	1,582,477	217,413	14,743	37,073	9,598	9,292	7,858	7,821	

¹ Some States include trailers with trucks, as noted; other States do not register trailers.

² Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes.

³ Totals include only the States shown; separate data not available for 9 States.

⁴ Includes 7,859 "cars at large" not allocated to any State.

⁵ Busses included with trucks.

⁶ Includes \$130,000 for State bridge fund.

⁷ Estimated.

Source: Bureau of Public Roads, Department of Agriculture.

No. 416.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars

Year	Entire registration area			Registration States				
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Number of cars registered	Deaths per 100,000 cars
1911	59,183,071	1,291	2.2	54,285,189	1,150	2.2		
1912	60,359,974	1,758	2.9	55,188,497	1,563	2.8		
1913	63,200,625	2,488	3.9	58,235,115	2,241	3.8	882,911	253.8
1914	65,813,315	2,826	4.3	60,943,068	2,571	4.2	1,234,844	208.2
1915	67,095,681	3,978	5.9	61,881,763	3,589	5.8	1,775,064	202.2
1916	71,349,102	5,193	7.3	66,371,601	4,737	7.1	2,511,805	188.6
1917	74,984,498	6,724	9.0	69,946,824	6,064	8.7	3,530,268	171.8
1918	81,333,675	7,525	9.3	79,536,574	7,310	9.2	4,715,317	165.0
1919	85,166,043	7,968	9.4	83,612,508	7,771	9.3	5,922,572	131.2
1920	87,486,713	9,103	10.4	86,043,627	8,878	10.3	7,440,420	119.3
1921	88,667,602	10,168	11.5	87,183,738	9,903	11.4	8,578,536	115.4
1922	93,241,643	11,666	12.5	91,959,620	11,466	12.5	10,374,993	110.5
1923	96,986,371	14,411	14.9	95,613,844	14,157	14.8	13,359,965	103.0
1924	99,200,298	15,528	15.7	97,067,916	15,221	15.6	15,713,654	99.9
1925	103,108,000	17,571	17.0	101,319,000	17,149	16.9	17,892,640	95.8
1926	105,167,000	18,871	17.9	103,284,000	18,419	17.8	19,888,947	92.8
1927	108,327,000	21,160	19.5	106,510,200	20,704	19.4	21,084,564	98.2

Year	Rural area of registration States			Cities in registration States			Cities in nonregistration States		
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population
1911	26,901,350	306	1.1	27,883,830	844	3.1	4,807,882	141	2.9
1912	27,144,493	442	1.6	28,043,944	1,121	4.0	5,171,537	195	3.8
1913	29,108,597	687	2.4	29,126,518	1,554	5.3	4,965,510	247	5.0
1914	30,829,210	896	2.9	30,114,453	1,675	5.6	4,869,652	255	5.2
1915	31,078,193	1,226	3.9	30,803,560	2,303	7.7	5,213,928	389	7.5
1916	34,752,780	1,684	4.8	31,618,911	3,053	9.7	4,977,471	456	9.2
1917	36,928,787	2,174	5.9	32,718,027	3,890	11.9	5,337,674	660	12.4
1918	41,844,499	2,368	5.7	37,662,075	4,942	13.1	1,707,101	215	12.0
1919	44,664,983	2,508	5.6	38,947,525	5,263	13.5	1,553,535	197	12.7
1920	44,310,060	2,767	6.2	41,733,567	6,121	14.7	1,443,036	225	15.6
1921	44,572,803	3,368	7.6	42,610,935	6,535	15.3	1,483,864	265	17.9
1922	47,859,762	4,020	8.4	44,099,358	7,446	16.9	1,282,023	200	15.6
1923	49,882,530	5,209	10.4	45,731,314	8,948	19.6	1,372,527	254	18.6
1924	51,208,182	5,668	11.1	46,459,734	9,553	20.6	1,532,382	307	20.0
1925	53,779,000	6,509	12.1	47,540,000	10,640	22.4	1,789,000	422	23.6
1926	54,669,900	7,348	13.4	48,620,300	11,071	22.8	1,883,300	452	24.0
1927	56,717,500	8,452	14.9	49,792,700	12,252	24.6	1,816,500	456	25.1

Sources: Bureau of the Census, Department of Commerce, and Bureau of Public Roads, Department of Agriculture.

No. 417.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars. See Table 81 for per cent of total population included in the registration area for each year

State	Number of deaths					Rate per estimated 100,000 population						
	1921-1925, average	1923	1924	1925	1926	1927	1921-1925, average	1923	1924	1925	1926	1927
Registration area in continental United States.....	13,869	14,411	15,528	17,571	18,871	21,160	14.4	14.9	15.7	17.0	17.9	19.5
Registration States:	13,570	14,157	15,221	17,140	18,419	20,704	14.2	14.8	15.6	16.9	17.8	19.4
Cities.....	8,624	8,948	9,563	10,040	11,071	12,252	10.0	10.6	20.6	22.4	22.8	24.6
Rural.....	4,955	5,209	5,658	6,600	7,348	8,452	9.9	10.4	11.1	12.1	13.4	14.9
Cities in non-registration States.....	290	254	307	422	452	456	19.1	18.5	20.0	23.6	24.0	25.1
All registration cities.....	8,914	9,202	9,860	11,062	11,523	12,708	18.9	19.5	20.5	22.4	22.8	24.6
REGISTRATION STATES												
Alabama.....	252	(3)	(3)	252	319	361	210.1	(3)	(3)	10.1	12.6	14.2
Arizona.....	(3)	(3)	(3)	(3)	116	140	(3)	(3)	(3)	(3)	26.1	30.5
Arkansas.....	(3)	(3)	(3)	(3)	(3)	170	(3)	(3)	(3)	(3)	(3)	8.8
California.....	1,131	1,230	1,254	1,327	1,464	1,628	30.0	32.6	32.0	31.7	33.9	36.7
Colorado.....	148	167	168	140	176	234	14.8	15.9	15.7	14.0	16.5	21.8
Connecticut.....	260	249	277	340	307	327	17.3	16.9	18.4	21.0	19.1	20.5
Delaware.....	36	55	46	37	50	62	15.5	23.9	19.8	15.5	20.8	25.0
Florida.....	217	170	242	449	515	425	18.6	16.2	19.7	35.5	39.1	31.2
Georgia.....	200	259	307	(3)	(3)	(3)	8.6	8.6	10.1	(3)	(3)	(3)
Idaho.....	46	51	54	50	77	79	6.6	10.8	11.2	11.0	14.8	14.2
Illinois.....	1,051	1,031	1,065	1,268	1,388	1,512	15.3	15.2	15.5	17.9	18.6	20.7
Indiana.....	396	433	480	509	547	605	13.2	14.4	15.3	16.4	17.5	21.1
Iowa.....	241	242	211	271	264	234	7.0	8.8	8.7	11.2	10.9	11.7
Kansas.....	193	217	160	240	241	232	10.7	12.1	9.4	13.2	13.2	13.8
Kentucky.....	167	166	167	237	277	299	6.8	6.7	8.0	9.4	11.0	11.8
Louisiana.....	162	168	210	241	271	295	8.7	8.5	11.3	12.7	14.1	15.3
Maine.....	83	91	91	98	100	112	10.0	11.7	11.7	12.6	12.7	14.1
Maryland.....	232	243	246	272	312	330	15.3	16.1	16.2	17.2	19.7	20.7
Massachusetts.....	609	611	685	729	682	696	15.1	15.2	16.7	17.0	16.2	16.4
Michigan.....	714	738	863	955	1,112	1,260	17.6	18.6	21.2	22.3	25.3	28.2
Minnesota.....	306	328	366	361	326	360	12.1	13.1	14.5	13.8	12.3	13.7
Mississippi.....	96	78	125	170	215	243	5.4	4.4	7.0	9.5	12.0	13.6
Missouri.....	391	398	449	509	468	517	11.3	11.6	13.0	14.6	14.1	14.7
Montana.....	60	49	69	84	63	73	0.6	0.6	11.0	12.5	13.4	10.2
Nebraska.....	119	123	113	125	154	198	8.9	9.2	8.4	9.1	11.1	14.2
New Hampshire.....	59	59	61	87	68	71	13.1	13.2	13.6	10.2	15.0	16.6
New Jersey.....	643	672	746	771	792	973	18.7	19.9	21.7	21.4	21.5	26.0
New York.....	1,880	1,930	1,985	2,111	2,178	2,334	17.4	17.8	18.0	18.9	10.3	20.9
North Carolina.....	264	258	328	376	455	503	9.3	9.0	12.0	13.4	15.9	17.4
North Dakota.....	52	(3)	45	59	70	72	8.1	(3)	7.0	9.2	10.9	11.2
Ohio.....	938	1,078	1,024	1,285	1,317	1,494	15.9	17.6	16.5	19.9	20.9	22.3
Oregon.....	126	120	144	144	187	194	15.0	14.0	17.3	16.7	21.3	21.8
Pennsylvania.....	1,405	1,592	1,535	1,576	1,734	1,860	15.3	17.5	16.7	16.6	18.0	19.1
Rhode Island.....	104	97	113	133	127	131	15.9	15.5	16.9	19.6	18.3	18.6
South Carolina.....	123	116	167	179	192	279	7.0	8.8	9.5	9.9	10.5	15.1
Tennessee.....	195	171	232	273	312	345	8.1	7.1	9.6	11.4	12.0	13.9
Utah.....	68	60	81	89	80	79	14.0	12.6	16.7	17.7	15.6	15.1
Vermont.....	42	46	49	56	46	60	11.9	13.1	13.6	15.9	12.8	17.0
Virginia.....	193	200	240	271	303	376	8.2	8.3	9.9	10.9	12.0	14.8
Washington.....	236	240	265	299	342	365	16.2	16.7	18.2	19.8	22.2	23.4
West Virginia.....	208	(3)	(3)	208	231	298	12.7	(3)	(3)	12.7	13.8	17.6
Wisconsin.....	306	292	363	397	384	511	11.1	10.7	13.1	13.9	13.3	17.5
Wyoming.....	51	51	59	67	56	66	23.3	24.1	27.2	29.3	23.7	27.4
REGISTRATION CITIES												
Akron.....	39	40	36	60	62	75	13.5	(10)	(10)	(10)	(10)	(10)
Albany.....	28	27	28	35	41	36	23.9	23.0	23.9	29.7	34.5	30.1
Atlanta.....	53	55	53	65	69	65	22.7	24.7	(22)	(10)	27.9	29.1
Baltimore.....	130	131	129	158	178	171	16.8	16.9	16.4	19.8	22.0	20.0
Birmingham.....	40	49	55	51	57	51	23.5	25.0	27.4	24.8	27.1	23.4
Boston.....	132	133	143	154	149	140	7.2	17.3	18.4	19.8	18.9	17.7
Bridgeport.....	25	23	21	26	31	25	19.4	(10)	(10)	(10)	(10)	(10)

For footnotes see following page.

No. 417.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION—Continued

City	Number of deaths					Rate per estimated 100,000 population						
	1921-1925, average	1923	1924	1925	1926	1927	1921-1925, average	1923	1924	1925	1926	1927
Buffalo.....	111	137	112	110	135	137	20.9	25.5	21.0	22.1	24.8	21.9
Cambridge.....	27	28	27	22	19	28	19.3	25.1	22.8	18.4	15.6	22.6
Camden.....	82	44	36	43	59	65	29.8	35.4	28.5	33.3	45.1	48.8
Chicago.....	697	889	690	645	693	787	20.7	20.4	19.0	21.5	22.7	25.4
Cincinnati.....	91	102	85	115	109	119	22.4	25.1	20.8	23.1	26.5	28.0
Cleveland.....	189	203	220	231	265	270	21.4	22.8	24.1	24.7	27.6	25.4
Columbus.....	54	58	59	71	70	72	20.6	22.2	22.0	25.4	24.5	24.7
Dallas.....	37	34	36	59	61	49	20.4	18.7	19.2	20.4	30.1	23.2
Dayton.....	28	27	26	44	52	44	16.9	16.3	15.4	25.4	23.4	24.3
Denver.....	44	45	40	37	48	61	16.2	(19)	15.6	13.2	16.8	21.0
Des Moines.....	7 19	18	17	23	30	30	7 13.5	12.8	12.1	16.3	20.6	20.1
Detroit.....	242	252	305	346	399	403	23.3	(19)	25.5	27.8	30.9	30.2
Fall River.....	16	22	16	17	19	11	12.9	18.2	12.5	13.2	14.5	8.3
Fort Worth.....	21 9	27	27	32	30	31	14.8	0.3	18.2	20.6	18.8	18.9
Grand Rapids.....	28	27	31	45	32	35	19.0	18.5	20.9	20.2	20.5	21.6
Hartford.....	38	40	33	53	46	49	26.0	26.3	21.1	33.1	28.0	29.1
Houston.....	28	25	31	31	40	57	17.6	(19)	22.4	(19)	(19)	(19)
Indianapolis.....	58	53	71	78	83	84	16.9	15.5	20.2	21.7	22.6	22.4
Jersey City.....	46	37	56	64	41	65	14.9	12.0	17.9	20.3	12.9	20.2
Kansas City, Kans.....	17	12	18	27	8	20	15.0	10.4	15.6	23.3	6.8	17.0
Kansas City, Mo.....	78	86	87	87	82	80	22.2	24.4	24.2	23.7	21.8	20.9
Los Angeles.....	220	224	267	288	286	353	28.3	(19)	25.5	(19)	(19)	(19)
Louisville.....	53	66	68	64	64	61	19.7	25.6	19.8	21.2	20.6	25.3
Lowell.....	19	18	23	20	22	16	16.8	15.6	20.8	23.6	19.9	14.5
Memphis.....	41	46	40	62	57	68	24.1	27.0	23.2	29.7	32.3	38.0
Milwaukee.....	78	62	83	102	101	121	15.0	12.8	16.8	20.0	19.5	22.6
Minneapolis.....	68	60	86	76	69	64	16.6	14.7	20.6	17.9	15.9	14.3
Nashville.....	29	28	34	38	39	46	23.4	22.8	27.5	27.9	23.5	33.4
New Bedford.....	14	8	13	18	11	16	11.3	6.2	10.0	15.1	9.2	13.4
New Haven.....	34	28	48	40	42	48	19.7	16.2	27.3	22.3	23.1	26.0
New Orleans.....	64	68	84	78	85	96	15.8	16.8	20.5	18.8	20.3	22.6
New York.....	961	964	1,000	1,060	1,082	1,090	16.4	16.3	17.2	18.0	18.3	18.4
Newark, N. J.....	94	107	104	110	109	122	21.4	24.4	20.3	24.3	23.7	26.1
Norfolk.....	17	13	16	24	25	25	11.5	8.2	(19)	14.2	14.4	19.5
Oakland.....	44	50	40	44	51	53	18.3	20.8	19.8	17.3	10.0	19.8
Omaha.....	30	40	29	35	33	40	14.7	19.6	13.9	16.5	15.3	22.4
Paterson.....	39	39	49	41	34	52	27.0	27.9	34.8	28.9	23.8	36.2
Philadelphia.....	262	294	263	296	329	324	13.6	15.3	18.5	15.0	16.4	15.9
Pittsburgh.....	146	146	186	166	163	215	23.6	23.5	23.7	26.3	25.0	32.3
Portland, Oreg.....	40	39	41	42	52	62	14.8	14.3	14.7	(19)	(19)	(19)
Providence.....	56	52	58	79	61	64	22.3	21.5	22.0	20.5	22.2	22.8
Reading.....	20	27	24	19	19	30	18.0	24.3	21.5	16.8	16.7	26.2
Richmond.....	28	26	33	41	37	46	15.5	14.4	18.0	22.0	19.6	24.0
Rochester.....	48	44	48	54	65	62	15.3	13.6	15.3	17.0	20.3	19.1
St. Louis.....	164	168	197	201	172	159	20.4	20.9	24.2	21.5	20.7	18.9
St. Paul.....	45	59	55	42	40	57	18.6	24.4	22.5	17.1	18.5	22.8
Salt Lake City.....	28	20	34	42	33	30	22.2	15.8	26.4	32.1	24.7	22.1
San Antonio.....	30	30	22	39	40	48	16.2	16.2	11.5	10.7	19.5	22.7
San Francisco.....	107	107	113	105	128	169	19.9	19.9	20.0	18.8	22.6	28.8
Scranton.....	30	41	24	33	32	34	21.3	20.2	17.0	23.2	22.4	23.6
Seattle.....	52	55	58	66	69	79	13.9	(19)	(19)	(19)	(19)	21.0
Spokane.....	17	15	22	21	27	21	16.2	(19)	21.0	19.3	24.8	19.3
Springfield, Mass.....	22	23	27	21	38	24	15.6	15.9	19.2	14.8	26.2	16.3
Syracuse.....	37	43	41	29	44	43	20.4	23.3	22.7	15.9	23.7	21.8
Toledo.....	52	63	46	67	74	108	19.3	23.4	16.4	23.3	25.1	35.4
Trenton.....	32	36	34	39	33	40	25.2	28.3	26.2	29.5	24.6	29.3
Washington, D. C.....	80	86	108	88	98	108	17.2	18.1	22.2	17.1	18.6	20.0
Wilmington, Del.....	21	29	29	21	29	40	17.8	24.6	24.2	17.2	23.3	31.6
Worcester.....	33	33	29	40	32	46	17.5	17.2	16.3	21.0	16.5	23.5
Yonkers.....	16	17	16	15	19	25	14.8	15.8	14.4	13.2	16.3	21.0
Youngstown.....	36	37	39	43	42	56	25.4	24.6	25.1	26.9	25.5	33.1

1 Including the District of Columbia.

2 1925 only.

3 Not added to registration area until a later date.

4 Average, 1922-1924.

5 State registration law declared unconstitutional.

6 Average, 1922-1925.

7 Average, 1923-1925.

8 Average, 1924-1925.

9 Average, 1921-1922.

10 Estimates of population unsatisfactory.

11 Average, 1921-1923.

12 Average, 1921-1924.

Source: Bureau of the Census, Department of Commerce.

20.—STEAM AND ELECTRIC RAILWAYS AND EXPRESS COMPANIES

[Data in this section relate to continental United States unless otherwise stated]

GENERAL NOTE.—The total steam railroad mileage of the United States includes: (a) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (b) switching and terminal railroads, also reporting to the commission; and (c) private railroads (defined by the commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, according to the amount of gross operating revenue in 1919: Class I, having more than \$1,000,000 of such revenue; Class II, from \$100,000 to \$1,000,000; and Class III, less than \$100,000. During recent years more detailed reports are required from Class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of Class II and Class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by Class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district the remainder of the country. The principal railroads of the eight regions are listed in Table 444.

Class I companies make monthly reports and the yearly totals from these become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

No. 418.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED CLASSIFIED BY TRACKAGE

NOTE.—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,000 miles of first main track). The first and second columns cover all railways including "circular" and "unofficial" lines; the last five columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies

Year	Miles of road (first track) owned	Miles operated					Class I railways: Road (first track)
		All railways: Road (first track)	Reporting railways			Total track	
			Road (first track)	Other main tracks	Yard track and sidings		
June 30, 1890	163, 597	167, 191	156, 404	9, 760	33, 711	169, 875	
1895	180, 667	184, 628	177, 746	12, 348	43, 181	233, 276	
1900	198, 346	198, 904	192, 556	14, 075	52, 163	258, 784	
1905	218, 101	226, 196	216, 974	19, 381	69, 042	306, 797	
1910	240, 293	240, 992	240, 831	25, 354	85, 582	351, 767	
1911	243, 079	254, 732	246, 238	37, 612	88, 974	362, 824	216, 877
1912	246, 777	258, 033	240, 852	29, 367	92, 019	371, 238	220, 063
1913	249, 777	261, 030	253, 470	30, 827	95, 211	379, 508	224, 236
1914	252, 105	263, 547	256, 547	32, 376	98, 285	387, 203	229, 909
1915	253, 789	264, 378	257, 569	33, 662	99, 910	391, 141	232, 989
Dec. 31, 1916	254, 037	266, 381	259, 705	34, 325	102, 984	397, 014	231, 674
1917	253, 626	266, 015	259, 705	35, 066	105, 582	400, 353	232, 097
1918	253, 529	264, 233	258, 507	36, 228	107, 608	402, 343	233, 145
1919	253, 152	263, 707	258, 325	36, 730	108, 637	403, 892	234, 363
1920	252, 845	263, 821	259, 941	36, 894	109, 744	406, 579	235, 234
1921	251, 176	262, 544	258, 362	37, 614	111, 555	407, 531	234, 702
1922	260, 413	261, 984	257, 426	37, 888	114, 046	409, 359	234, 976
1923	260, 222	262, 452	258, 084	38, 697	116, 212	412, 093	235, 574
1924	260, 156	262, 168	258, 238	39, 916	116, 874	415, 028	235, 894
1925	249, 398	261, 871	258, 631	40, 962	118, 361	417, 954	236, 849
1926	249, 133	261, 562	258, 815	41, 636	120, 840	421, 341	237, 054
1927	249, 131	262, 091	259, 639	42, 071	123, 027	424, 737	238, 634

Source: Interstate Commerce Commission.

No. 419.—RAILWAY MILEAGE OWNED: BY STATES

NOTE.—See headnote to Table 418. The data are for the actual length of line in each State without duplication. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter; they include reporting, circular, and unofficial railways, but since 1908 exclude switching and terminal roads

State	1860 ¹	1870 ¹	1880 ¹	1890	1900	1910 ²	1920	1925	1926	1927
United States ³	50,626	52,922	93,267	163,567	193,346	240,439	252,845	249,396	249,139	249,131
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,754	7,655	7,686
Maine	472	786	1,006	1,338	1,915	2,248	2,295	2,228	2,218	2,198
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,234	1,198	1,198
Vermont	554	614	914	921	1,012	1,100	1,077	1,067	1,057	1,057
Massachusetts	1,264	1,460	1,915	2,094	2,119	2,115	2,106	2,071	2,019	2,019
Rhode Island	108	136	210	213	212	212	211	196	196	196
Connecticut	691	742	923	1,007	1,024	1,000	1,001	968	967	968
Middle Atlantic	5,840	6,709	13,832	16,161	20,709	21,980	22,293	22,003	21,986	21,919
New York	2,682	3,923	5,957	7,661	8,121	8,430	8,330	8,373	8,358	8,364
New Jersey	660	1,125	1,084	2,047	2,267	2,260	2,352	2,292	2,297	2,294
Pennsylvania	2,698	4,656	6,191	8,453	10,321	11,290	11,661	11,338	11,331	11,261
South Atlantic	5,978	7,349	9,789	18,270	23,362	23,785	33,380	31,935	31,925	31,860
Delaware	127	197	275	333	347	335	335	332	332	332
District of Columbia	(4)	(4)	(4)	30	32	36	36	37	36	36
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,447	1,447	1,447
Virginia	1,379	1,486	1,303	3,160	3,779	4,535	4,703	4,554	4,548	4,528
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,038	4,024	4,007
North Carolina	937	1,178	1,486	3,001	3,831	4,032	5,522	5,347	5,308	5,223
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,748	3,745	3,744
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,980	6,932	6,835
Florida	402	440	513	2,471	3,299	4,432	5,212	5,462	5,553	5,703
East North Central	9,583	14,701	25,109	36,924	41,007	44,938	44,904	43,843	43,740	43,684
Ohio	2,946	3,538	5,792	7,012	8,807	9,134	9,002	8,812	8,825	8,891
Indiana	2,163	3,177	4,373	5,071	6,471	7,420	7,426	7,187	7,187	7,182
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	11,994	11,997	12,004
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,349	8,356	8,261
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,501	7,376	7,356
West North Central	1,472	3,046	19,094	38,354	42,988	49,730	52,180	51,656	51,722	51,950
Minnesota		1,092	3,151	5,465	6,943	8,699	9,114	8,787	8,790	8,827
Iowa	656	2,883	5,400	8,356	9,185	9,755	9,808	9,814	9,811	9,760
Missouri	817	2,000	3,955	6,004	6,875	8,083	8,117	8,051	8,022	8,018
North Dakota		66	1,225	1,941	2,731	4,201	5,311	5,277	5,274	5,274
South Dakota		(9)	(9)	2,486	2,850	3,918	4,270	4,245	4,245	4,235
Nebraska		705	1,953	5,295	5,685	6,087	6,166	6,189	6,201	6,174
Kansas		1,591	3,400	8,806	8,719	9,007	9,388	9,493	9,379	9,362
South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,764	17,492	17,422	17,563
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,005	4,010	4,019
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	4,063	4,059	4,063
Alabama	748	1,157	1,343	3,314	4,226	5,226	5,378	5,254	5,184	5,185
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,170	4,169	4,266
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	32,688	32,563	32,694
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,868	4,828	4,790
Texas	307	711	3,244	6,613	9,886	14,282	16,125	16,198	16,266	16,420
Oklahoma			230	1,214	2,151	3,590	6,572	6,621	6,581	6,602
Arkansas	88	256	859	2,190	3,300	5,306	5,052	4,901	4,888	4,873
Mountain		1,466	5,082	12,876	15,808	22,956	25,170	24,723	24,900	24,942
Montana			106	2,181	3,010	4,207	5,072	5,037	5,095	5,094
Wyoming		459	512	942	1,229	1,645	1,931	1,992	1,994	1,988
Colorado		157	1,570	4,176	4,587	5,533	5,519	5,077	5,011	5,063
New Mexico			758	1,324	1,753	3,032	2,972	2,998	2,998	2,998
Arizona			349	1,097	1,512	2,097	2,478	2,378	2,496	2,496
Utah		257	842	1,090	1,547	1,986	2,161	2,180	2,190	2,194
Nevada		593	739	925	909	2,277	2,160	2,137	2,207	2,200
Idaho			206	941	1,261	2,179	2,877	2,915	2,909	2,909
Pacific	23	1,084	2,962	7,567	10,589	14,932	17,248	17,904	17,225	17,183
Washington			289	1,783	2,914	4,875	5,587	5,559	5,555	5,557
Oregon		159	508	1,428	1,724	2,285	3,305	3,357	3,393	3,362
California	23	925	2,195	4,356	5,751	7,772	8,356	8,288	8,277	8,264
Alaska Territory					22	300	246	801	790	793
Hawaii Territory						175	243	252	255	256

¹ Represents mileage operated.
² Revised total 240,293 not distributed by States.
³ Totals exclude Alaska and Hawaii.

⁴ Included in returns for Maryland.
⁵ Figures for Dakota.
⁶ For total Dakota see North Dakota.

Source: Interstate Commerce Commission.

No. 420.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE.—See note to Table 418. Since 1890 the columns correspond to the first and third columns of that table. The exact basis of the data prior to 1890 is not stated. For years 1842 to 1889 and 1910 to date data relate to Dec. 31; for years 1890 to 1915 data relate to June 30

Year	Owned	Operated	Year	Owned	Operated	Year	Owned	Operated
1842		4, 026	1886		136, 338	1907	220, 951	227, 455
1850		0, 021	1887		140, 214	1908	233, 468	230, 494
1855		15, 374	1888		155, 114	1909	236, 834	235, 402
1860		30, 026	1889		161, 276	1910	240, 293	240, 831
1865		35, 085	1890	163, 507	155, 404	1911	243, 970	245, 238
1870		52, 022	1891	168, 403	161, 275	1912	246, 777	249, 852
1871		60, 301	1892	171, 564	162, 897	1913	249, 777	253, 470
1872		66, 171	1893	176, 461	169, 750	1914	252, 105	255, 547
1873		70, 208	1894	178, 709	175, 091	1915	253, 769	257, 599
1874		72, 885	1895	180, 657	177, 746	1916	254, 037	260, 705
1875		74, 096	1896	182, 777	181, 953	1917	253, 626	259, 705
1876		76, 808	1897	184, 423	183, 284	1918	253, 529	258, 507
1877		79, 082	1898	186, 396	184, 648	1919	253, 152	258, 525
1878		81, 747	1899	189, 295	187, 535	1920	252, 845	259, 941
1879		89, 550	1900	193, 346	192, 556	1921	251, 170	258, 362
1880		93, 262	1901	197, 237	195, 592	1922	250, 413	257, 425
1881		103, 108	1902	202, 472	200, 155	1923	250, 222	258, 084
1882		114, 677	1903	207, 977	205, 314	1924	250, 156	258, 238
1883		121, 422	1904	213, 004	212, 243	1925	249, 393	258, 631
1884		125, 345	1905	218, 101	216, 074	1926	249, 138	258, 816
1885		128, 320	1906	224, 363	222, 340	1927	249, 131	259, 630

Source: Poor's Manual of Railroads prior to 1890; Interstate Commerce Commission thereafter.

No. 421.—MILEAGE OPERATED AND EQUIPMENT: CLASS I CARRIERS

NOTE.—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail see Table 425

Year ended Dec. 31	Mileage operated				Locomotives			Aggregate capacity of freight cars (1,000 tons)
	Road (first track)	Other main tracks	Yard track and sidings	Total track	Number, steam and electric	Tractive power, steam only		
						Aggregate (1,000 lbs.)	Average (lbs.)	
Total:								
1910	231, 674	34, 129	98, 334	364, 137	61, 332	2, 024, 119	33, 133	92, 280
1920	235, 234	36, 737	105, 408	377, 379	64, 746	2, 340, 761	36, 365	98, 343
1921	234, 702	37, 454	107, 098	379, 254	64, 949	2, 365, 470	36, 935	98, 504
1922	234, 970	37, 701	109, 463	382, 133	64, 512	2, 401, 453	37, 441	98, 847
1923	235, 574	38, 573	111, 703	385, 855	65, 327	2, 544, 115	39, 177	101, 318
1924	235, 894	39, 735	112, 253	387, 882	65, 355	2, 593, 178	39, 891	104, 149
1925	236, 849	40, 817	113, 573	391, 539	63, 974	2, 586, 868	40, 896	105, 570
1926	237, 054	41, 537	116, 353	394, 944	62, 761	2, 611, 233	41, 386	105, 953
1927	239, 634	41, 926	118, 654	399, 214	61, 344	2, 606, 171	42, 798	105, 846
Eastern district:								
1910	59, 175	26, 379	40, 056	125, 610	23, 179	958, 339	34, 333	47, 185
1921	58, 885	22, 103	43, 031	124, 024	29, 408	1, 118, 251	38, 313	49, 161
1923	59, 303	22, 404	44, 820	126, 526	29, 479	1, 193, 235	40, 883	49, 633
1924	59, 283	22, 725	44, 761	126, 769	29, 339	1, 208, 126	41, 551	51, 166
1925	59, 249	22, 852	45, 054	127, 155	28, 409	1, 193, 573	42, 403	51, 449
1926	59, 114	23, 157	45, 430	127, 701	27, 583	1, 190, 510	43, 060	51, 697
1927	59, 135	23, 294	45, 569	128, 268	26, 915	1, 181, 792	44, 475	51, 597
Southern district:								
1910	42, 753	3, 940	15, 695	62, 388	9, 754	323, 023	33, 165	15, 633
1921	43, 826	4, 475	17, 379	65, 680	10, 780	401, 250	37, 273	17, 174
1923	43, 804	4, 694	18, 188	66, 776	10, 593	428, 896	39, 435	17, 818
1924	43, 824	4, 891	18, 436	67, 151	11, 089	448, 478	40, 513	18, 428
1925	44, 241	5, 707	19, 199	69, 147	11, 158	457, 579	41, 112	18, 968
1926	44, 727	5, 985	20, 404	71, 116	11, 418	484, 400	42, 551	19, 359
1927	45, 416	6, 075	20, 815	72, 306	11, 229	483, 124	43, 155	19, 424
Western district:								
1910	129, 746	9, 310	42, 583	181, 639	23, 399	712, 757	31, 827	29, 463
1921	131, 911	10, 871	46, 698	189, 550	24, 701	865, 939	35, 155	32, 169
1923	132, 378	11, 475	48, 700	192, 553	24, 955	921, 984	37, 037	33, 837
1924	132, 787	12, 119	49, 056	193, 962	24, 930	936, 574	37, 674	34, 555
1925	133, 359	12, 228	49, 620	195, 207	24, 407	935, 718	38, 448	35, 163
1926	133, 213	12, 395	50, 510	196, 127	23, 700	936, 298	39, 424	34, 897
1927	134, 083	12, 687	51, 970	198, 640	23, 200	941, 255	40, 698	34, 826

¹ Includes second track, 36,229 miles; third track, 3,120 miles; fourth and other, 2,568 miles.

Source: Interstate Commerce Commission.

No. 422.—MILEAGE OF ROAD AND TRACKS OPERATED: CLASS I CARRIERS, BY DISTRICTS

District and year ended Dec. 31	Total, all tracks	Road (first main track)	Second main track	Third main track	Fourth and other main tracks	Yard track and sidings	Electrified mileage			
							Total track	Road, (first main track)	Other main tracks	Yard track and sidings
All districts:										
1916.....	364,137	231,674	20,223	2,716	2,190	98,334	(²)	(²)	(²)	(²)
1920.....	377,379	235,234	31,512	2,936	2,289	105,408	3,132	1,449	900	783
1925.....	391,539	236,848	35,200	3,111	2,506	113,874	3,598	1,674	972	952
1927.....	399,214	238,634	36,229	3,129	2,568	118,664	4,066	1,854	1,146	1,006
Eastern district:										
1916.....	120,110	59,175	16,666	2,408	1,805	40,056	(²)	(²)	(²)	(²)
1927.....	128,268	59,135	18,524	2,699	2,041	45,869	2,141	622	888	631
Southern district:										
1916.....	62,889	42,753	3,725	43	173	15,695	(²)	(²)	(²)	(²)
1927.....	72,306	45,416	5,627	126	322	20,815	625	270	176	179
Western district:										
1916.....	131,638	129,746	8,832	265	212	42,583	(²)	(²)	(²)	(²)
1927.....	198,640	134,083	12,078	304	205	51,970	1,300	962	82	256

¹ Includes 2,097 miles in Canada and 52 miles in Mexico.

² Data not available.

³ Includes 1,049 miles in Canada.

⁴ Includes 20,407 miles of industrial tracks; also 3,087 miles in Canada, consisting of 1,906 miles of road, 502 miles of second main track, 67 miles of industrial tracks, and 612 miles of yard track and sidings.

⁵ Does not include 43 miles in 1925 and 29 miles in 1927 of electric street railways operated by Boston & Maine R. R.

⁶ Includes 45 miles of industrial tracks in 1925 and 39 miles in 1927.

⁷ Includes 21,403 miles of industrial tracks; also 2,920 miles in Canada consisting of 1,754 miles of road, 501 miles of second main track, 74 miles of industrial tracks, and 591 miles of yard track and sidings.

Source: Interstate Commerce Commission.

No. 423.—RAILWAY EQUIPMENT INSTALLED AND RETIRED FROM SERVICE: CLASS I CARRIERS

Year ended—	Locomotives		Freight-train cars		Passenger-train cars	
	Number installed	Number retired	Number installed	Number retired	Number installed	Number retired
June 30:						
1907.....	3,774	36	102,806	1,541	1,939	41
1908.....	3,227	1,140	171,556	70,976	2,153	1,630
1909.....	1,549	1,333	67,925	83,223	1,786	1,591
1910.....	3,073	1,452	134,593	75,652	3,505	1,914
1911.....	3,694	1,468	125,532	68,031	4,250	1,701
1912.....	2,861	1,858	97,972	69,876	3,060	1,387
1913.....	4,381	2,338	162,670	96,825	2,823	1,842
1914.....	3,245	1,862	150,813	96,985	3,629	1,854
1915.....	1,114	1,507	86,012	90,347	2,664	1,385
1916.....	1,475	2,576	88,254	109,996	1,261	2,156
Dec. 31:						
1917.....	2,148	1,423	117,210	62,253	2,535	1,671
1918.....	2,803	977	65,249	56,024	1,817	1,051
1919.....	2,062	909	76,019	43,274	435	670
1920.....	1,017	1,254	36,044	75,197	621	885
1921.....	1,330	1,130	63,406	69,245	1,681	929
1922.....	1,226	1,682	105,304	126,471	1,328	1,286
1923.....	4,360	3,746	232,060	213,759	2,658	2,360
1924.....	2,786	2,629	156,572	118,590	2,755	2,295
1925.....	1,600	2,673	139,083	128,573	3,230	3,599
1926.....	1,882	3,105	93,399	103,152	3,455	3,309
1927.....	1,542	2,976	73,254	96,991	2,645	3,612

Source: Interstate Commerce Commission.

No. 424.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES

NOTE.—"All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive power and capacity of cars exclude switching roads beginning with 1908 and smaller roads during recent years; they would not be materially different if all carriers were included. The larger number of cars owned by private car lines is not included.

Year	Locomotives					Freight-train cars ¹			Passenger train cars
	Total number	Steam				Total number	Capacity		
		Number	Tractive capacity		Electric, number		Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lbs.)	Average (lbs.)					
June 30, 1890	30,140					918,491			26,820
1895	35,699					1,106,119			33,112
1900	37,663					1,305,531			34,713
1905	43,357					1,731,409	53,255	30.8	40,713
1910	60,619		1,588,894	27,282		2,143,478	76,579	35.9	47,179
1915	66,502	68,229	2,014,201	31,546	273	2,341,597	92,238	39.0	56,810
Dec. 31, 1916	65,595	65,253	2,066,166	32,890	342	2,329,475	94,441	40.8	55,193
1917	66,070	65,609	2,087,950	33,932	371	2,376,472	95,407	41.5	55,939
1918	67,936	67,503	2,223,246	34,995	373	2,397,043	96,707	41.0	56,611
1919	68,977	68,592	2,312,634	35,789	385	2,426,889	99,091	41.9	56,290
1920	68,977	68,554	2,340,761	36,365	388	2,388,424	98,343	42.4	56,102
1921	69,122	68,733	2,385,470	36,935	389	2,378,510	98,504	42.5	56,960
1922	68,518	68,121	2,401,452	37,441	397	2,352,493	98,847	43.1	56,827
1923	69,414	69,005	2,544,115	39,177	409	2,379,131	101,318	43.8	57,159
1924	69,486	69,114	2,593,178	39,891	372	2,411,627	104,149	44.3	57,451
1925	68,092	67,713	2,586,808	40,066	379	2,414,083	105,570	44.3	56,814
1926	66,816	66,351	2,611,238	41,889	436	2,408,967	105,953	45.1	56,855
1927	65,348	64,843	2,606,171	42,798	407	2,378,890	105,846	45.5	55,723

¹ Excludes caboose cars.² Class I, Class II, and Class III roads.³ Class I and Class II roads.⁴ Class I roads.

No. 425.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Data relate to June 30 prior to 1910 and Dec. 31 thereafter. Figures for "All operating companies" include switching and terminal companies but not circular and unofficial lines. Cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies, are not included.

	All operating companies					Class I, 1927			
	1910	1915	1920	1925	1927	Total	Eastern district	Southern district	Western district
Freight cars ¹	2,143,478	3,341,587	2,388,424	2,414,083	2,378,500	2,324,799	1,075,259	423,712	825,828
Box	966,093	1,041,095	1,056,514	1,086,562	1,075,398	1,066,395	455,301	169,062	442,002
Flat	153,958	140,343	117,604	113,562	109,909	99,962	21,826	22,803	55,333
Stock	78,811	80,326	81,678	87,452	84,224	83,619	14,858	8,161	60,600
Coal	818,731	910,637	968,034	979,483	964,980	940,488	565,805	209,984	174,690
Tank	7,434	10,165	11,130	12,151	11,573	10,284	308	22	9,954
Refrigerator	30,918	52,446	60,768	40,488	44,907	44,225	4,874	6,230	33,121
Other	73,666	93,955	92,696	85,385	87,714	79,856	22,237	7,450	50,110
Steel ²	(³)	501,309	630,150	757,065	799,820	799,820	530,044	144,573	124,603
Steel underframe ²	(³)	676,170	886,296	1,056,125	1,086,982	1,086,982	464,438	190,920	431,624
Caboose cars	27,224	28,965	29,576	31,325	31,064	30,060	12,803	5,829	11,418
Passenger-train cars	447,179	55,810	56,102	58,814	55,729	53,822	29,620	8,411	18,791
Coaches	25,881	30,135	29,343	28,744	27,696	26,765	13,965	4,085	8,765
Combination	5,697	8,847	8,570	8,624	8,521	7,765	3,290	1,346	3,120
Emigrant	97	60	11		1	1			
Parlor	634	651	574	502	468	459	90	70	299
Sleeping	490	750	558	377	256	253		7	246
Baggage and express	11,524	9,938	12,101	13,174	13,219	13,073	6,751	1,881	4,445
Postal	(³)	1,556	1,243	1,092	1,011	1,007	382	188	437
Other	2,752	3,873	3,702	4,294	4,557	4,494	2,141	884	1,469
Steel ²	(³)	10,853	15,111	21,190	25,342	25,342	14,173	3,314	7,855
Steel underframe ²	(³)	5,160	6,573	9,369	9,677	9,677	5,400	1,521	2,747
Company service equipment	80,891	93,752	108,435	112,592	112,942	109,293	36,295	19,121	53,882
Motor cars and trailers ²	(³)	(³)	(³)	2,479	3,395	3,395	2,366	361	638

¹ Excludes caboose cars; total for 1910 includes 13,357 unclassified cars.² Data represent Class I roads only.³ Data not available.⁴ Includes 104 unclassified cars.⁵ Postal cars included with baggage and express.

Source of Tables 424 and 425: Interstate Commerce Commission.

No. 426.—FREIGHT-CAR PERFORMANCE AND EQUIPMENT CONDITION

NOTE.—Data relate to Class I carriers. Yearly averages for 1920, 1921, 1922, and 1923 are as follows: Freight car-miles per car day 1920, 26.1; 1921, 22.4; 1922, 23.5; 1923, 27.8; percentage of unserviceable freight cars, 1920, 7.0; 1921, 13.1; 1922, 12.8; 1923, 8.0; percentage of unserviceable locomotives, 1920, 24.5; 1921, 28.7; 1922, 24.0; 1923, 21.4

Month	Freight car-miles per car day					Percentage of unserviceable freight cars					Percentage of unserviceable locomotives				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
Yearly average.....	26.8	28.5	30.4	30.3	31.3	7.3	7.7	6.5	5.9	6.2	18.7	17.8	16.6	16.2	16.3
January.....	24.9	26.5	27.6	28.5	27.6	6.7	8.0	6.6	5.6	5.8	18.8	18.8	17.1	16.6	16.0
February.....	27.4	26.9	28.6	30.4	29.8	7.0	7.8	6.7	5.7	5.9	19.0	18.8	17.3	16.2	16.7
March.....	27.2	26.4	29.2	30.9	31.0	7.1	7.6	6.7	5.6	6.0	19.2	18.9	17.6	17.0	16.6
April.....	25.5	26.6	29.0	29.5	29.0	7.4	7.9	6.7	5.6	6.2	19.1	18.5	17.6	16.9	16.7
May.....	25.8	27.4	29.8	30.2	31.2	7.7	8.1	6.8	5.9	6.4	18.8	18.0	17.0	16.6	16.5
June.....	25.1	27.5	30.1	30.0	30.4	8.0	8.3	6.9	6.1	6.3	18.6	17.7	16.6	16.4	16.1
July.....	25.5	27.8	30.5	29.1	30.4	8.4	8.2	7.0	6.2	6.4	18.5	17.3	16.1	15.8	16.1
August.....	26.6	29.6	31.5	30.9	32.1	8.6	8.1	7.0	6.2	6.5	18.3	17.1	16.1	15.8	16.1
September.....	28.8	30.8	32.7	32.6	33.9	8.7	7.8	6.6	6.0	6.5	18.3	17.1	15.8	15.3	16.0
October.....	30.0	32.3	34.3	34.7	36.2	8.2	7.1	6.1	5.9	6.2	18.4	17.2	15.8	15.5	16.2
November.....	28.4	31.0	32.1	30.2	33.3	7.3	6.9	5.8	5.9	6.1	18.5	17.2	16.3	16.7	16.2
December.....	25.6	28.0	29.3	26.9	29.6	7.9	6.8	5.5	5.8	5.9	18.4	16.9	16.0	15.6	18.8

Source: Bureau of Railway Economics.

No. 427.—RECEIVERSHIPS OF RAILWAYS

Year (calendar, except as noted)	Under receivership end of year ¹		Placed under receivership			Year (calendar, except as noted)	Under receivership end of year ¹		Placed under receivership		
	Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)		Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)
1881.....			5	110	3,742	1906.....	34	3,971	6	204	55,042
1882.....			12	912	30,074	1907.....	29	3,926	7	317	13,585
1883.....			11	1,990	108,470	1908.....	52	6,529	24	8,009	596,359
1884.....			37	11,038	714,755	1909.....	44	10,530	5	859	78,095
1885.....			44	8,836	385,460	1910.....	39	5,257	7	735	51,428
1886.....			13	1,799	70,340	1911.....	30	4,563	5	2,606	210,607
1887.....			9	1,046	90,318	1912.....	44	9,786	13	3,784	182,112
1888.....			22	3,279	186,814	1913.....	49	16,286	17	9,020	477,731
1889.....			22	3,503	99,664	1914.....	68	18,408	22	4,222	199,571
1890.....			26	2,963	105,007	1915.....	85	30,223	12	20,143	1,070,809
1891.....			26	2,159	84,479	1916.....	80	34,804	9	4,439	208,160
1892.....			36	10,508	357,692	1917.....	82	17,376	19	2,486	61,170
1893.....			74	29,340	1,781,046	1918.....	74	10,208	8	3,519	242,091
1894.....	192	40,819	38	7,025	395,791	1919.....	65	16,590	7	244	11,897
1895.....	169	37,856	31	4,089	369,075	1920.....	61	10,290	10	541	21,620
1896.....	151	30,475	34	5,441	275,537	1921.....	68	13,512	14	1,744	63,872
1897.....	128	18,862	18	1,537	92,909	1922.....	64	15,259	12	3,784	329,115
1898.....	94	12,745	18	2,069	133,701	1923.....	64	12,623	10	2,313	87,914
1899.....	71	9,853	10	1,019	52,285	1924.....	61	8,105	11	920	30,223
1900.....	52	4,178	16	1,165	78,234	1925.....	53	18,657	6	11,368	680,422
1901.....	45	2,407	4	73	1,627	1926.....	45	17,632	6	58	2,821
1902.....	27	1,475	5	278	5,835	1927.....	40	16,762	6	924	45,237
1903.....	27	1,135	9	229	18,823	1928.....	(?)	(?)	1	19	529
1904.....	28	1,323	8	744	36,069						
1905.....	26	796	10	3,593	176,321						

¹ Data relate to June 30 prior to 1916, Dec. 31 thereafter.

² Data not available.

Sources: First two columns, Interstate Commerce Commission; others, The Railway Age, Chicago.

128.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION¹

All operating carriers				Year ended—	All operating carriers			
Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation			Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation	
		Per hour ²	Per year				Per hour ²	Per year
749,801				June 30:				
785,034	445,508		\$568	1908	1,436,275	1,035,498		\$721
1,017,653	577,266		567	1909	1,502,323	988,324		658
1,071,160	610,714		570	1910	1,699,420	1,143,725		673
1,180,815	676,029		568	1911	1,609,809	1,208,466		724
1,312,537	757,321		577	1912	1,716,380	1,252,348		730
1,206,321	817,599		631	1913	1,815,239	1,373,831		757
1,382,196	839,945		608	1914	1,710,290	1,351,117		808
1,521,855	900,802		592	1915	1,654,075	1,403,968	\$0.266	849
1,672,074	1,072,386		641	Dec. 31:				
				1916	1,700,814	1,506,961	.275	886

1 Dec. 31—	All operating carriers: Average number of employees	Class I carriers					
		Average number of employees	Total hours (thousands)	Total yearly compensation (1,000 dollars)	Average hours per employee	Average compensation	
						Per hour ²	Per year
	1,700,814	1,647,097	5,180,791	1,468,576	3,150.0	\$0.283	\$892
	(³)	1,732,876	5,437,977	1,739,482	3,188.1	.320	1,004
	(³)	1,841,575	5,701,417	2,613,813	3,095.9	.458	1,419
	(³)	1,913,422	5,082,493	2,843,128	2,680.1	.565	1,486
	(³)	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
	(³)	1,659,513	4,147,319	2,765,218	2,499.1	.687	1,666
	1,669,640	1,625,834	4,811,097	2,640,817	2,650.0	.613	1,623
	1,902,222	1,857,674	4,928,651	3,604,072	2,653.1	.610	1,617
	1,795,493	1,751,362	4,534,870	2,825,775	2,590.3	.623	1,613
	1,786,411	1,744,311	4,531,361	2,860,500	2,597.8	.631	1,640
	1,821,804	1,779,275	4,671,736	2,946,514	2,625.0	.631	1,656
	1,775,549	1,735,106	4,519,281	2,910,183	2,604.6	.644	1,677
	1,694,896	1,656,289	4,310,541	2,813,749	2,602.5	.654	1,702

side switching and terminal companies beginning 1910. Class III roads are excluded in 1913. The latter has practically no effect on the comparability of the figures. Information for 1915 as 20 of the larger railways did not report, and is not shown.
¹ For all classes of employees, including those not paid on an hourly basis.
² Available.
³ Federal reports, reports of companies not under Federal control, and corporate reports.
 Interstate Commerce Commission.

—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

relate to years ended Dec. 31. Class I switching and terminal companies are included. Compensation in fifth and sixth columns is per day where so indicated in the footnote or stub.
¹ For principal occupations only. Data for occupations not shown included in group totals

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1927	1928	1927	1928	1927	1928	1927	1928
	All districts	1,760,098	1,680,187	2,853,211	2,862,100			
is.	125,088	123,074	333,274	333,555	3.15	3.29	222	226
is.	1,636,000	1,557,113	2,619,937	2,528,545	.698	.613	133	135
t.	766,769	727,068	1,363,302	1,307,655				
is.	60,837	59,367	155,859	155,875	7.77	7.94	213	218
is.	705,932	667,699	1,207,443	1,151,780	.641	.654	143	144
ot.	340,681	314,680	519,787	486,544				
is.	20,312	19,717	56,090	55,809	8.65	8.70	224	225
is.	320,369	294,963	463,811	430,815	.551	.566	120	122
is.	853,548	638,441	1,070,172	1,067,901				
is.	43,889	43,990	120,480	122,511	3.44	3.57	229	232
is.	609,659	594,451	949,693	945,390	.674	.691	130	133

No. 429.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS—CON.

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1927	1928	1927	1928	1927	1928	1927	1928
Executives, officials, and staff assistants	17,006	16,890	93,000	93,978				
<i>Daily basis</i>	17,006	16,890	93,006	93,976	17.23	17.53	456	464
Executives, general officers, and assistants.....	7,519	7,570	54,255	55,427	123.37	123.60	601	610
Division officers and assistants.....	9,487	9,320	38,751	38,549	112.87	112.73	340	345
Professional, clerical, and general	280,973	271,388	479,890	470,022				
<i>Daily basis</i>	53,473	53,171	121,809	123,473	7.29	7.44	190	194
<i>Hourly basis</i>	227,500	218,217	358,081	346,549	.604	.620	129	128
Supervisory clerks (major departments).....	5,056	4,984	14,755	14,847	10.36	10.56	243	248
Chief clerks (minor departments).....	13,165	12,937	29,937	29,976	17.19	17.33	189	193
Clerks.....	163,200	155,400	260,482	256,458	.625	.644	133	137
Mechanical device operators (office).....	8,318	8,097	11,188	11,122	.550	.562	112	114
Stenographers and typists.....	21,589	20,979	31,223	31,074	.593	.608	121	123
Telephone switchboard operators and office assistants.....	5,192	5,029	4,922	4,865	.387	.394	79	81
Messengers and office boys.....	6,512	6,261	4,645	4,529	12.26	12.28	69	60
Lieutenants and sergeants of police.....	2,499	2,406	5,214	5,078	15.97	16.07	174	176
Patrolmen.....	5,610	5,222	10,102	9,643	.553	.564	150	152
Traffic, advertising, and development agents.....	7,236	7,526	19,286	20,242	18.66	18.77	222	224
Janitors and cleaners.....	7,862	7,678	7,493	7,352	.370	.373	79	80
Maintenance of way and structures	421,535	400,198	470,698	449,344				
<i>Daily basis</i>	5,081	5,051	14,925	14,080	9.19	9.25	245	247
<i>Hourly basis</i>	416,454	395,147	455,771	434,364	.435	.439	91	88
Roadmasters and general foremen.....	3,408	3,393	10,240	10,285	10.39	10.45	251	253
Bridge and building gang foremen (skilled).....	5,545	5,438	11,469	11,304	.814	.823	172	173
Bridge and building carpenters.....	22,593	21,750	33,952	32,811	.614	.622	125	126
Bridge and building painters.....	2,979	2,746	4,356	4,031	.622	.626	122	122
Skilled trades helpers.....	10,651	10,277	12,787	12,355	.494	.499	100	100
Pumping equipment operators.....	5,066	4,625	5,107	4,740	.333	.339	85	85
Gang foremen (extra gang, work train, bridge, and building and signal and telegraph laborers).....	5,157	4,755	9,033	8,380	.651	.659	146	147
Gang or section foremen.....	40,430	40,033	62,527	62,002	.602	.613	129	130
Laborers (extra gang and work train).....	70,147	62,145	65,329	57,931	.364	.361	78	78
Track and roadway section laborers.....	215,932	207,174	190,025	181,266	.355	.355	73	73
Maintenance of way laborers (not track and roadway).....	8,462	8,053	7,820	7,478	.374	.379	77	77
General foremen and supervising inspectors (signal, telegraph, etc.).....	500	551	1,714	1,712	10.57	10.06	255	250
Gang foremen (signal and telegraph, skilled trades).....	1,594	1,475	3,341	3,385	.927	.940	201	203
Signalmen and signal maintainers.....	9,445	9,109	18,545	18,161	.765	.774	164	165
Assistant signalmen and signal maintainers.....	3,568	3,198	5,386	4,944	.610	.628	126	129
Signalmen and signal maintainer helpers.....	4,057	3,670	5,120	4,680	.515	.521	105	106
Maintenance of equipment and stores	480,730	461,285	777,953	734,359				
<i>Daily basis</i>	16,496	15,923	49,389	47,909	9.03	8.02	250	251
<i>Hourly basis</i>	474,234	445,362	728,564	686,450	.612	.614	128	128
General foremen.....	1,445	1,426	5,277	5,239	110.85	110.88	304	306
Assistant general and department foremen.....	11,101	10,703	34,839	33,600	10.30	10.25	262	262
Gang foremen and leaders, (skilled).....	11,089	10,337	29,468	27,729	.938	.936	222	224
Blacksmiths.....	8,451	7,864	15,541	14,461	.801	.802	153	153
Boiler makers.....	18,314	16,838	35,485	32,512	.794	.795	161	161
Carmen.....	105,119	99,912	188,704	180,056	.721	.723	150	150

1 Daily basis.

No. 429.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS—CON.

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1927	1928	1927	1928	1927	1928	1927	1928
Maintenance of equipment, etc.—Continued.								
Electrical workers.....	10,515	10,331	20,066	20,315	0.749	0.764	164	164
Mechanists.....	58,792	55,792	111,874	105,945	.781	.780	159	155
Sheet-metal workers.....	11,413	10,954	21,000	20,682	.761	.781	158	167
Skilled trades helpers.....	108,050	101,122	145,260	136,356	.645	.547	112	112
Helper apprentices.....	6,384	5,405	8,553	7,251	.582	.580	111	112
Regular apprentices.....	12,981	10,975	11,906	10,385	.429	.424	80	70
Gang foremen laborers (shops, engine houses, power plants, stores).....	4,027	3,850	6,574	6,301	.000	.005	136	136
Coach cleaners.....	12,667	12,189	14,598	14,155	.410	.413	96	97
Laborers.....	97,545	90,748	102,108	94,870	.404	.405	87	87
Stationary engineers and firemen.....	7,800	7,457	13,412	12,882	.589	.593	143	144
Transportation (other than train service, engine, and yard).....	205,026	197,467	304,836	288,472				
Daily basis.....	25,901	25,269	31,774	31,151	3.45	3.43	103	103
Hourly basis.....	179,066	172,193	273,062	267,321	.560	.571	127	129
Train dispatchers and directors.....	5,386	5,291	17,667	17,683	1.207	1.232	273	270
Station agents—								
Nontelegraphers—								
Supervisory—major stations	2,513	2,474	7,679	7,633	1.933	1.945	255	257
Supervisory—smaller stations	5,376	5,234	11,445	11,422	.791	.816	177	182
Nonsupervisory—smaller stations	3,428	3,299	4,260	4,124	.481	.491	104	104
Telegraphers and telephoners	19,077	18,853	33,668	33,745	.633	.637	147	149
Clerks—telegraphers and telephoners	13,614	13,340	23,945	23,997	.625	.641	147	150
Telegraphers, telephoners, and lowermen	24,679	23,398	45,234	43,597	.652	.668	153	155
Baggage agents and assistants	767	721	1,305	1,243	.530	.561	142	144
Baggage, parcel-room, and station attendants	9,171	8,660	11,518	11,110	.454	.468	105	107
Gang foremen (freight station, warehouse, grain elevator, and dock labor)	3,627	3,521	6,297	6,242	.662	.666	145	148
Callers, loaders, sealers, sealers, and perishable-freight inspectors	15,513	14,872	19,768	19,235	.520	.523	106	108
Truckers.....	37,063	34,270	41,653	39,405	.452	.462	94	96
Laborers.....	6,933	6,343	7,054	7,233	.430	.424	97	95
Crossing and bridge flagmen and gatemen.....	21,891	21,240	20,226	19,607	1.256	1.257	77	77
Transportation (yard masters, switch tenders, and hostlers).....	23,409	22,142	53,875	52,237				
Daily basis.....	7,020	6,770	22,571	22,095	3.73	3.91	266	272
Hourly basis.....	16,389	15,372	31,304	30,142	.676	.683	160	163
Yardmasters and assistants	7,020	6,770	22,371	22,095	1.873	1.891	266	272
Switch tenders.....	5,620	5,327	10,039	9,600	.637	.644	149	160
Hostlers.....	8,907	8,317	18,151	17,382	.718	.730	170	174
Transportation (train and engine service).....	322,320	310,817	778,955	763,689				
Hourly basis.....	322,320	310,817	773,955	763,689	.812	.831	201	205
Road passenger conductors.....	10,392	10,094	31,916	31,222	.926	.932	256	258
Road freight conductors.....	24,821	23,925	70,042	66,733	.885	.838	235	232
Road passenger brakemen.....	5,712	5,548	15,424	13,127	.691	.700	196	197
Road passenger brakemen and flagmen.....	13,038	13,402	28,386	27,790	.645	.650	173	173
Road freight brakemen and flagmen.....	59,384	56,763	125,251	118,593	.663	.665	176	176
Yard conductors and yard foremen.....	21,497	21,020	53,587	53,320	.883	.866	203	211
Yard brakemen and yard helpers	53,653	51,680	114,108	112,228	.813	.827	177	181
Road passenger engineers and motormen.....	12,971	12,569	41,916	42,595	1.193	1.253	209	232
Road freight engineers and motormen.....	30,521	29,273	96,132	95,318	.977	1.021	262	271
Yard engineers and motormen	21,562	21,075	53,682	54,744	.889	.928	207	216
Road passenger firemen and helpers.....	12,254	11,732	30,497	30,056	.944	.978	207	213
Road freight firemen and helpers	32,315	30,962	73,971	72,076	.754	.773	191	194
Yard firemen and helpers.....	22,100	21,492	42,344	42,268	.708	.724	160	164

¹ Daily basis.

Source: Interstate Commerce Commission.

No. 430.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

NOTE.—All amounts except "per mile of road" in millions of dollars. Switching and terminal companies excluded beginning with 1908; their total capitalization in 1927 was \$992,288,196. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies

Year	Total capitalization				Held by railroads		Net capitalization				
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road (dollars)	Stock	Funded debt	Funded debt, per cent of total
June 30, 1890	8,984	3,803	606	4,575	964	443	7,577	-----	3,445	4,132	54.5
1895	10,347	4,202	760	5,385	1,052	396	8,900	-----	3,910	4,989	56.1
1900	11,491	4,522	1,323	5,645	1,470	473	9,548	-----	4,375	5,172	54.2
1905	13,505	5,181	1,374	7,251	2,070	568	11,167	-----	4,485	6,683	59.8
1910	18,417	6,710	1,403	10,303	2,555	1,486	14,376	62,819	5,559	8,817	61.3
Dec. 31, 1916	21,049	7,594	1,455	12,000	2,633	2,084	16,333	66,591	6,416	9,917	60.7
1917	21,249	7,455	1,848	11,047	2,720	2,128	16,402	66,690	6,583	9,819	59.9
1918	20,785	7,249	1,806	11,730	2,323	2,008	16,544	66,893	6,732	9,722	59.1
1919	20,950	7,193	1,898	11,859	2,314	2,086	16,550	67,170	6,777	9,773	59.1
1920	21,891	7,216	1,898	12,778	2,407	2,490	16,994	68,787	6,707	10,287	60.5
1921	22,292	7,275	1,800	13,216	2,402	2,807	17,633	69,516	6,673	10,409	60.9
1922	22,290	7,307	1,834	13,149	2,390	2,621	17,280	70,899	6,751	10,528	60.9
1923	22,830	7,398	1,852	13,589	2,402	2,626	17,810	73,417	6,847	10,963	61.6
1924	23,636	7,539	1,935	14,162	2,668	2,765	18,202	75,322	6,806	11,396	62.6
1925	23,644	7,602	1,937	14,105	2,654	2,800	18,190	74,460	6,885	11,305	62.1
1926	23,677	7,500	1,925	14,192	2,654	2,780	18,234	74,308	6,831	11,405	62.5
1927	23,615	7,683	1,980	13,952	2,907	2,571	18,137	73,984	6,756	11,381	62.7

No. 431.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

NOTE.—Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating as well as operating roads are included. Switching and terminal roads are excluded since 1908. Dividend figures throughout cover all classes of roads but interest figure for 1913 excludes the unimportant Class III roads. The amount of stock shown in the first column is exclusive of stock held by the issuing company but includes that held by other railway companies

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dolls.)
	Actually outstanding (1,000 dolls.)	Paying dividends (1,000 dolls.)	Per cent paying dividends	Amount declared (1,000 dolls.)	Per cent on stock paying dividends	Per cent on all stock outstanding	
1891-1895	-----	1,737,048	-----	94,093	5.42	-----	243,013
1896-1900	-----	1,977,832	-----	104,295	5.27	-----	249,548
1901	-----	2,977,675	51.27	156,736	5.26	2.70	262,095
1902	-----	3,337,045	55.40	185,392	5.55	3.08	274,422
1903	-----	3,450,738	56.06	196,728	5.70	3.20	283,953
1904	-----	3,643,427	57.47	221,941	6.09	3.50	297,675
1905	-----	4,119,037	62.84	237,964	5.78	3.63	310,632
1906	-----	4,520,059	66.54	272,796	6.03	4.01	322,556
1907	-----	4,948,756	67.27	308,080	6.23	4.19	344,243
1908	7,300,739	4,843,371	66.69	300,695	8.07	5.30	368,296
1909	7,612,411	4,920,174	64.01	321,072	6.53	4.18	332,675
1910	8,010,730	5,412,578	66.71	405,771	7.50	5.00	399,522
1911	8,363,276	5,730,250	67.65	460,195	8.03	5.42	410,320
1912	8,552,447	5,581,289	64.78	400,315	7.17	4.64	429,027
1913	8,599,993	5,730,532	66.14	369,078	6.37	4.22	434,753
1914	8,654,215	5,667,073	64.30	451,653	7.97	5.13	442,505
1915	8,635,319	5,219,847	60.45	328,478	6.20	3.80	464,186
1916	8,755,404	5,430,123	62.02	366,561	6.75	4.19	431,426
1917	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918	8,846,717	5,138,851	58.09	339,186	6.60	3.53	408,286
1919	8,883,126	5,298,321	59.64	335,242	6.33	3.77	476,075
1920	8,843,100	5,075,040	57.30	331,103	6.52	3.74	500,354
1921	8,889,921	5,059,844	56.92	456,482	9.02	5.13	529,398
1922	8,961,637	5,321,347	59.38	338,806	6.37	3.78	538,594
1923	9,092,933	5,646,070	62.09	411,832	7.30	4.53	551,705
1924	9,300,054	6,042,268	64.97	335,130	6.37	4.14	588,301
1925	9,413,101	6,278,532	66.70	400,645	6.52	4.35	583,875
1926	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709
1927	9,339,491	6,701,427	70.25	567,231	8.47	5.95	583,452

Source of Tables 430 and 431: Interstate Commerce Commission.

No. 432.—RAILWAY SECURITIES ACTUALLY OUTSTANDING

NOTE.—All figures in thousands of dollars. Capital actually outstanding represents securities in the hands of the public or of railway companies other than those issuing same; securities held by or for the issuing company are excluded. Switching and terminal companies are not included

Security and year ended Dec. 31—	All railroads				Class I	Class II	Class III	Non-operating sub- sidiaries
	All dis- tricts	Eastern district	Southern district	Western district				
Total:								
1916	19,630,610	7,500,045	2,880,243	9,244,322	16,088,847	600,027	143,862	2,737,874
1920	20,098,046	7,881,150	3,004,582	9,212,314	16,856,230	637,113	107,269	2,908,434
1925	21,734,086	8,527,168	3,444,426	9,762,502	18,098,164	437,022	86,157	3,112,763
1930	21,748,806	8,510,392	3,518,220	9,720,194	18,256,527	427,060	84,436	2,950,774
1927	21,848,929	8,610,430	3,517,218	9,721,281	18,297,036	417,301	81,244	3,053,348
Stock:								
1916	8,765,403	3,426,697	1,167,376	4,161,330	6,963,102	382,614	91,634	1,323,053
1920	8,843,100	3,474,212	1,106,809	4,202,079	7,209,735	286,688	67,247	1,279,430
1925	9,413,161	3,771,338	1,323,472	4,317,291	7,633,456	263,208	56,452	1,469,935
1930	9,366,272	3,737,040	1,344,673	4,283,550	7,685,014	245,199	55,731	1,379,328
1927	9,539,491	3,933,885	1,343,106	4,262,410	7,831,282	243,285	55,141	1,499,783
Funded debt:								
1916	10,875,207	4,079,348	1,712,867	5,062,992	9,135,745	277,413	52,228	1,400,821
1920	11,254,046	4,406,938	1,837,773	5,010,235	9,045,495	250,426	40,022	1,319,004
1925	12,320,995	4,755,830	2,119,954	5,445,211	10,464,708	183,814	29,705	1,642,768
1930	12,383,334	4,773,362	2,173,647	5,436,635	10,571,513	181,870	28,705	1,601,443
1927	12,309,438	4,676,545	2,174,022	5,458,871	10,466,764	174,016	26,103	1,643,565
1927								
Common stock	7,574,638	3,304,022	1,130,622	3,139,904	6,024,967	218,732	51,172	1,279,767
Preferred stock	1,994,853	629,863	212,674	1,122,416	1,806,315	24,553	3,060	130,016
Mortgage bonds	9,549,547	3,488,814	1,028,913	4,431,820	7,873,190	162,229	23,500	1,490,619
Collateral trust bonds	885,702	378,880	171,686	335,136	828,538	746	183	56,235
Income bonds	299,288	28,624	37,196	233,528	267,003	3,067	1,250	27,908
Miscellaneous obligations	611,355	207,333	62,775	151,247	458,050	2,127	761	50,417
Equipment obligations	1,063,546	482,894	273,512	307,140	1,038,973	5,847	400	18,320

No. 433.—PROPERTY INVESTMENT, INCOME, INTEREST, AND DIVIDENDS:
REPORTED BY OPERATING ROADS

NOTE.—All figures except as indicated in thousands of dollars. Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission. It relates only to railway property, but includes leased lines, which are not included, however, under the other columns. All data exclude switching and terminal companies

Year ended—	Investment ¹	Invest- ment per mile of road (dollars)	Net rail- way oper- ating income	Return on in- vest- ment (per ct.)	Other in- come	Interest, rents, and other de- ductions	Dividends declared
June 30:							
1905	13,213,767	61,779	634,794	4.80	246,420	485,311	329,062
1909	13,609,184	61,391	719,474	5.22	175,796	498,018	273,043
1910	14,557,316	64,382	805,097	5.53	222,915	511,417	351,202
1913	16,685,603	69,780	896,801	4.80	243,599	564,414	327,967
1914	17,153,786	72,079	874,190	3.93	245,187	576,487	350,339
1916	17,441,420	73,208	694,276	3.98	189,300	575,198	264,267
1916	17,680,425	73,705	1,002,935	5.67	195,468	594,378	280,618
Dec. 31:							
1916	17,842,777	74,466	1,058,506	5.93	213,324	623,180	311,876
1917	18,574,298	77,163	950,557	5.12	233,252	674,209	325,001
1918	18,984,756	78,820	946,223	3.40	(²)	667,588	279,929
1919	19,300,121	79,674	454,132	2.36	(³)	630,569	281,569
1920	19,849,320	81,054	12,101	.06	(⁴)	640,516	275,348
1922	20,329,224	84,530	601,139	2.96	375,001	602,375	403,991
1923	20,580,168	85,004	769,411	3.74	265,033	655,647	275,722
1924	21,372,858	89,619	974,018	4.56	200,665	667,616	353,127
1925	22,182,267	93,233	984,463	4.44	269,188	684,569	325,983
1926	23,230,916	94,917	1,136,728	4.89	268,142	688,357	349,080
1926	23,880,740	97,433	1,229,020	5.15	297,929	701,065	411,208
1927	24,453,871	99,546	1,077,813	4.41	311,198	705,284	503,140

¹ Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies which do not render annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included. In this column no allowance is made for cash and material and supplies, and no deduction is made for depreciation.

² Investment originally published is increased by \$170,000,000, estimated reserve for depreciation.

³ Does not include returns for Class II and Class III companies.

⁴ Figures not comparable on account of Federal control accounting requirements.

⁵ Includes investment of proprietary companies: 1925, \$493,923,000; 1926, \$831,574,000; 1927, \$919,096,000.

Source of Tables 432 and 433: Interstate Commerce Commission.

No. 434.—FREIGHT TRAFFIC: TRAIN AND CAR MOVEMENT

NOTE.—Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only; and for "Class I roads" on revenue and nonrevenue tonnage, with exception of the "District" figures for 1916-1920. Tons are of 2,000 pounds

Class and year or yearly average	Train-miles (thou. sands)	Car-miles (thousands)		Tons of revenue freight		Freight revenue		Average miles per car per day
		Loaded (revenue and non-revenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
All roads:								
1891-1895	407,269			184		1.62		
1896-1900	489,723			227		1.76		
1901-1905	519,800	9,631,028	4,320,300	304	17.4	2.35		
1906-1910	603,105	11,784,421	5,234,008	359	19.5	2.72		
1911-1915	608,512	13,309,203	6,169,216	432	20.7	3.19		
1916-1920	617,430	15,444,150	6,904,625	604	25.3	4.30		
1921-1925	577,844	15,243,111	8,096,532	621	24.6	4.28		
1901	491,942	8,880,233	3,921,979	281	16.6	2.13		
1902	499,711	9,296,427	4,030,087	296	16.9	2.27		
1903	520,312	9,844,158	4,346,790	311	17.6	2.44		
1904	535,091	9,849,877	4,501,805	308	17.7	2.43		
1905	546,424	10,278,745	4,801,290	322	18.1	2.50		
1906	594,066	11,410,599	5,176,955	344	18.9	2.61		
1907	629,098	12,021,326	5,008,572	357	19.7	2.74		
1908	587,218	11,128,231	5,153,181	352	19.6	2.65		
1909	568,855	11,360,655	5,242,995	363	19.3	2.76		
1910	635,451	12,851,295	5,498,337	380	19.8	2.86		
1911	626,496	12,889,386	5,832,515	383	19.7	2.90		
1912	612,345	13,088,332	5,767,144	407	20.2	3.02		
1913	643,841	14,271,944	6,120,861	445	21.1	3.24		
1914	607,872	13,686,818	6,531,274	447	21.1	3.31		
1915	552,004	12,939,535	6,594,287	476	21.1	3.47	15.5	
1916	632,304	15,855,103	6,779,225	522	22.8	3.93	16.3	
1917	646,402	15,911,203	6,780,872	588	24.8	4.27	17.7	
1918	628,436	14,995,587	7,167,144	621	27.0	4.53	19.9	
1919	560,499	14,273,422	6,531,570	623	25.4	4.14	124.8	123.0
1920	619,507	15,336,778	7,204,316	699	26.7	4.81	128.1	125.1
1921	519,817	12,449,086	7,399,192	507	24.6	4.38	131.4	122.4
1922	544,486	13,926,355	6,798,121	599	24.8	4.79	128.6	123.5
1923	631,167	16,374,730	8,536,002	632	25.2	4.79	128.1	127.8
1924	590,879	15,859,163	8,519,637	634	24.5	4.72	127.3	126.8
1925	602,873	16,896,710	9,319,706	693	24.6	4.41	126.9	128.5
1926	622,295	17,739,094	10,154,842	689	25.0	4.78	127.0	130.4
1927	598,435	17,390,777	10,298,061	690	24.6	4.50	126.6	130.3
Class I roads, total:								
1916-1920	604,422	15,156,421	6,836,894	613	25.4	5.30	21.9	
1921-1925	567,286	14,988,046	8,032,691	633	27.1	7.23	28.3	25.8
1926	610,980	17,640,926	10,077,357	701	27.4	7.68	27.0	30.4
1927	583,081	17,288,758	10,231,801	702	27.1	7.59	26.0	30.3
1928	601,648	17,854,323	10,508,601	720	26.7	7.78	26.2	31.3
Eastern district:								
1916-1920	244,387	6,512,600	3,059,466	738	28.1	6.05	23.0	
1921-1925	230,500	6,183,778	3,317,411	744	28.8	6.51	30.7	22.4
1926	239,823	7,185,667	4,079,957	795	28.8	8.70	29.4	26.5
1927	226,704	6,952,881	4,141,499	796	28.5	8.70	28.8	26.2
1928	221,161	7,092,721	4,177,697	830	27.7	9.09	28.4	26.8
Southern district:								
1916-1920	113,132	2,620,301	1,246,998	581	26.0	4.44	10.9	
1921-1925	118,509	2,857,938	1,614,396	632	29.3	6.15	26.1	30.0
1926	135,916	3,540,988	2,203,309	727	31.1	6.55	25.7	36.7
1927	127,386	3,409,143	2,176,255	735	30.7	6.66	25.4	36.8
1928	124,814	3,328,529	2,118,108	737	30.2	6.68	25.1	36.4
Western district:								
1916-1920	246,903	6,023,340	2,530,519	510	22.2	5.00	21.7	
1921-1925	228,277	5,946,330	3,100,884	531	24.3	6.70	26.9	28.2
1926	235,241	6,914,271	3,794,100	596	29.9	7.07	25.2	32.6
1927	233,991	6,926,734	3,914,007	598	23.9	7.05	24.9	32.5
1928	255,673	7,433,073	4,212,796	616	24.2	7.18	24.7	34.5

¹ Data available for Class I roads only.

² Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 435.—FREIGHT TRAFFIC: TONNAGE AND REVENUE

NOTE.—Figures before 1916 relate to years ended June 30; thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. For certain principal items for individual years, 1890 to 1900, see Table 436, p. 409. Tons are of 2,000 pounds

Class and year or yearly average	Tons of revenue freight carried (thousands)		Tons carried 1 mile (millions)		Revenue per mile of road	Average haul, revenue freight (miles)		Freight revenue	
	Originated	Total	Revenue freight	Revenue and non-revenue		System	Individual road	Amount (1,000 dolis.)	Per ton-mile (cents)
All roads:									
1891-1895.....		692, 446	85, 693		500, 809		123. 75	758, 930	0. 886
1896-1900.....		874, 389	113, 062		811, 128		130. 33	879, 837	. 772
1901-1905.....	601, 120	1, 266, 313	167, 716		826, 016	242. 67	132. 44	1, 298, 713	. 774
1906-1910.....	930, 254	1, 673, 431	228, 936		1, 006, 849	246. 10	136. 81	1, 744, 525	. 762
1911-1915.....	1, 074, 121	1, 903, 074	277, 073		1, 104, 718	257. 95	145. 59	2, 061, 625	. 740
1916-1920.....	1, 325, 772	2, 378, 164	300, 816		1, 510, 297	294. 78	164. 33	3, 410, 260	. 875
1921-1925.....	1, 231, 193	2, 165, 318	375, 468		1, 465, 688	304. 96	169. 41	4, 377, 618	1. 166
1901.....	583, 692	1, 089, 226	147, 077		760, 414	251. 98	135. 03	1, 118, 543	. 760
1902.....	657, 847	1, 200, 316	157, 289		793, 351	239. 10	131. 04	1, 207, 229	. 757
1903.....	714, 708	1, 304, 394	173, 221		855, 442	242. 55	132. 80	1, 338, 020	. 763
1904.....	714, 375	1, 309, 899	174, 522		829, 476	244. 30	133. 23	1, 370, 003	. 780
1905.....	784, 920	1, 427, 732	180, 403		861, 396	237. 56	130. 00	1, 460, 773	. 766
1906.....	896, 159	1, 631, 374	215, 878		982, 401	240. 89	132. 33	1, 640, 387	. 748
1907.....	977, 439	1, 796, 337	236, 601		1, 052, 119	242. 05	131. 71	1, 823, 652	. 759
1908.....	869, 798	1, 532, 982	218, 382		974, 654	253. 94	143. 83	1, 065, 419	. 764
1909.....	881, 334	1, 656, 650	218, 803		953, 986	251. 10	141. 87	1, 077, 614	. 763
1910.....	1, 026, 492	1, 849, 900	255, 017		1, 071, 086	259. 68	138. 31	1, 925, 553	. 753
1911.....	1, 003, 054	1, 781, 683	253, 784		1, 053, 566	254. 10	142. 88	1, 925, 051	. 757
1912.....	1, 031, 207	1, 844, 978	264, 081		1, 078, 580	256. 87	143. 44	1, 968, 599	. 744
1913.....	1, 182, 548	2, 058, 035	301, 730		1, 190, 397	255. 15	144. 40	2, 198, 931	1. 120
1914.....	1, 129, 992	2, 002, 026	288, 037		1, 128, 084	255. 43	144. 17	2, 126, 717	. 787
1915.....	1, 023, 303	1, 823, 692	277, 130		1, 075, 962	270. 69	151. 55	2, 037, 926	. 785
1916.....	1, 317, 246	2, 347, 306	306, 173		1, 409, 957	277. 98	155. 99	2, 631, 092	. 710
1917.....	1, 382, 005	2, 453, 423	303, 269		1, 538, 211	288. 18	162. 33	2, 897, 436	. 728
1918.....	1, 376, 345	2, 477, 692	408, 778		1, 532, 790	296. 39	165. 02	3, 522, 652	. 862
1919.....	1, 189, 765	2, 186, 285	367, 101		1, 423, 300	308. 60	168. 00	3, 024, 886	. 987
1920.....	1, 302, 999	2, 427, 622	413, 699		1, 597, 133	303. 52	170. 41	4, 420, 533	1. 069
1921.....	1, 017, 813	1, 808, 836	300, 533		1, 199, 328	304. 11	171. 12	4, 004, 109	1. 294
1922.....	1, 111, 822	1, 974, 618	342, 188		1, 330, 460	307. 77	173. 29	4, 085, 742	1. 194
1923.....	1, 287, 755	2, 503, 117	416, 266		1, 615, 741	299. 94	166. 29	4, 712, 495	1. 132
1924.....	1, 287, 413	2, 331, 291	391, 946		1, 581, 566	304. 44	168. 12	4, 437, 380	1. 132
1925.....	1, 351, 156	2, 468, 725	417, 418		1, 613, 862	308. 93	169. 43	4, 648, 364	1. 114
1926.....	1, 439, 612	2, 627, 492	447, 444		1, 732, 295	310. 81	170. 29	4, 905, 931	1. 096
1927.....	1, 372, 547	2, 510, 054	432, 014		1, 668, 800	314. 75	172. 11	4, 728, 835	1. 005
Class I Roads:									
1916-1920.....	1, 216, 452	2, 211, 754	387, 377		1, 662, 549	318. 52	175. 14	3, 336, 450	. 861
1921-1925.....	1, 135, 499	2, 068, 262	372, 216	409, 740	1, 581, 865	307. 77	179. 97	4, 277, 134	1. 149
1926.....	1, 336, 142	2, 465, 369	443, 746	436, 265	1, 875, 304	332. 11	170. 99	4, 797, 730	1. 081
1927.....	1, 281, 611	2, 363, 639	428, 737	471, 793	1, 801, 414	334. 53	181. 39	4, 632, 321	1. 080
1928.....	1, 285, 943	2, 361, 623	432, 985	476, 994	1, 814, 461	336. 71	186. 50	4, 679, 837	1. 081
Eastern district:									
1916-1920.....	590, 689	1, 262, 780	193, 006		3, 089, 938	369. 78	144. 92	1, 485, 056	. 811
1921-1925.....	510, 141	1, 112, 147	166, 644	178, 569	2, 827, 013	324. 66	140. 84	1, 906, 544	1. 144
1926.....	580, 200	1, 309, 242	193, 717	207, 793	3, 284, 052	333. 88	147. 90	2, 120, 361	1. 094
1927.....	541, 075	1, 237, 669	183, 739	198, 474	3, 116, 925	339. 58	145. 46	2, 068, 136	1. 093
1928.....	545, 968	1, 238, 607	183, 558	196, 445	3, 124, 170	336. 29	150. 00	2, 010, 938	1. 096
Southern district:									
1916-1920.....	208, 528	324, 057	68, 621		1, 590, 465	329. 07	211. 76	524, 210	. 764
1921-1925.....	234, 018	353, 728	77, 047	84, 282	1, 756, 460	329. 24	217. 81	749, 632	. 973
1926.....	310, 573	461, 293	101, 426	110, 692	2, 282, 063	326. 57	219. 69	913, 965	. 901
1927.....	308, 893	449, 753	96, 339	105, 219	2, 128, 963	311. 88	214. 20	871, 910	. 905
1928.....	294, 173	427, 027	91, 977	100, 564	2, 022, 108	312. 66	217. 69	834, 050	. 907
Western district:									
1916-1920.....	417, 236	624, 917	135, 751		1, 039, 046	325. 23	217. 61	1, 327, 215	. 978
1921-1925.....	391, 349	602, 387	128, 525	140, 889	970, 062	328. 42	213. 30	1, 020, 958	1. 261
1926.....	445, 304	694, 864	148, 693	167, 775	1, 115, 686	333. 07	213. 80	1, 763, 513	1. 137
1927.....	431, 643	676, 217	148, 029	168, 100	1, 111, 412	344. 46	219. 84	1, 752, 276	1. 179
1928.....	445, 802	695, 989	157, 455	179, 995	1, 171, 659	333. 19	228. 87	1, 934, 849	1. 165

¹ Class I and Class II roads.

² Includes estimates for traffic roads of Class II or Class III or both where these roads were not included in the published totals.

Source: Interstate Commerce Commission.

No. 436.—REVENUE AND TRAFFIC BY MONTHS; CLASS I CARRIERS

NOTE.—Except at times of general revisions in freight rates changes in freight revenue are closely parallel to those of ton mileage. Data except as indicated include Class I switching and terminal companies

Year	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL OPERATING REVENUES (millions of dollars)													
1910	234.7	209.1	200.7	235.7	228.0	232.5	230.2	231.5	258.0	254.8	261.2	244.9	233.2
1911	231.2	211.6	196.0	223.5	214.9	220.2	228.4	228.0	249.9	253.6	261.9	244.2	234.9
1912	249.8	209.2	216.1	235.8	219.2	232.3	242.9	253.0	275.8	274.4	268.2	276.9	264.4
1913	460.9	247.0	229.9	248.9	242.3	262.1	258.9	266.3	279.6	283.4	296.3	285.6	252.4
1914	214.0	231.3	207.1	247.5	235.4	237.7	249.3	256.0	267.1	269.6	265.6	233.8	226.3
1915	256.6	214.1	205.1	231.5	231.0	237.0	249.5	259.2	273.1	287.2	303.7	239.1	288.1
1916	307.1	260.9	262.8	290.2	282.0	301.0	300.0	308.2	327.2	326.3	338.7	322.7	311.1
1917	837.4	300.8	295.4	317.1	319.3	345.9	349.7	348.4	360.2	358.8	382.5	457.3	337.1
1918	410.5	235.4	290.0	305.4	371.6	379.0	395.2	470.4	504.7	489.7	490.8	340.9	441.6
1919	432.0	397.2	352.4	377.4	389.5	413.9	420.1	455.3	471.7	498.6	509.8	436.1	453.4
1920	519.0	500.8	424.6	460.2	462.3	457.0	494.7	520.1	555.5	618.9	641.8	592.1	550.6
1921	464.2	470.4	400.5	469.0	433.4	444.9	461.6	462.9	505.7	498.3	536.7	465.9	425.3
1922	468.3	395.8	401.6	475.2	417.1	449.4	474.0	443.8	474.1	500.9	550.3	528.6	513.6
1923	523.9	602.5	446.9	535.8	523.3	548.1	541.3	536.8	564.5	545.1	587.9	532.0	494.6
1924	498.0	469.0	470.5	508.4	475.2	477.5	465.7	481.8	508.5	541.0	572.9	505.9	505.2
1925	515.6	485.0	455.2	486.7	473.7	488.0	507.0	522.5	555.5	565.6	591.5	538.0	524.1
1926	538.8	481.4	460.8	531.5	500.5	518.0	541.4	557.9	580.3	591.2	610.4	562.3	527.7
1927	517.0	487.6	460.6	531.6	498.9	519.6	517.5	509.7	557.8	565.5	581.0	504.3	467.7
1928	514.9	457.4	466.6	505.2	474.3	510.7	502.5	513.0	557.9	556.0	617.8	631.2	495.8

FREIGHT REVENUE (millions of dollars)													
1914	166.0	150.1	140.9	174.3	160.2	150.0	164.1	168.5	177.0	185.1	188.8	163.3	154.3
1915	178.9	147.2	143.3	163.4	161.0	165.3	168.8	170.3	181.0	198.7	220.6	219.3	206.4
1916	214.6	185.9	191.1	212.3	202.7	217.9	208.1	204.2	227.3	228.8	245.6	236.4	221.6
1917	236.1	211.7	185.1	227.3	227.9	251.0	247.3	241.6	260.3	242.2	271.4	254.7	214.7
1918	288.2	188.8	198.6	259.9	264.5	263.3	263.8	328.4	350.9	342.1	365.4	322.6	309.7
1919	296.3	278.4	242.3	256.0	265.7	286.7	284.3	306.5	313.8	340.7	368.5	303.5	303.7
1920	360.6	327.8	269.2	324.9	308.6	314.1	340.3	356.1	369.6	438.0	480.4	436.9	386.6
1921	327.2	324.0	284.2	320.8	284.8	313.1	322.2	314.8	353.8	354.8	402.0	342.4	288.7
1922	334.1	277.1	294.6	354.3	288.9	319.6	331.9	290.6	326.5	355.9	441.4	389.0	364.2
1923	385.5	367.0	326.8	388.8	386.3	405.5	387.3	379.3	402.1	390.9	461.5	395.9	344.1
1924	362.4	333.4	352.7	371.7	342.0	344.8	340.1	358.5	390.2	439.0	381.0	362.2	370.5
1925	379.4	350.8	336.9	360.8	347.2	350.4	366.1	377.5	403.4	419.7	450.6	402.5	370.5
1926	401.7	347.8	340.8	402.0	370.6	385.5	397.8	409.5	429.0	445.0	472.4	433.5	384.9
1927	387.5	359.1	354.1	406.6	371.6	391.3	382.2	370.1	415.3	420.9	452.9	386.0	334.9
1928	390.8	337.4	340.0	387.7	356.0	391.1	370.3	381.0	421.0	423.3	492.3	415.1	367.2

PASSENGER REVENUE (millions of dollars)													
1918	86.0	66.5	62.3	78.1	72.5	79.2	94.8	104.7	113.8	105.9	84.8	81.8	93.0
1919	98.3	87.1	79.3	89.4	89.6	92.7	105.6	113.7	120.7	110.2	99.0	92.5	100.1
1920	107.3	91.9	82.6	92.6	93.0	98.9	107.4	123.2	132.9	129.9	113.9	106.7	114.8
1921	96.2	105.2	88.5	97.3	90.6	98.5	99.8	108.9	109.2	100.6	88.9	82.6	88.7
1922	89.7	83.7	73.6	80.0	83.5	85.5	96.0	100.7	101.6	97.5	90.2	84.8	98.5
1923	95.6	91.1	79.1	88.3	87.8	90.0	102.8	107.5	113.0	105.9	93.8	87.1	101.1
1924	89.7	91.7	83.4	87.1	85.2	85.6	96.0	97.4	104.0	93.2	82.9	78.9	90.9
1925	88.0	88.7	77.6	79.6	78.4	82.0	92.6	98.0	104.0	95.7	86.5	81.1	92.0
1926	87.0	89.6	78.6	80.8	80.7	82.8	92.5	97.9	99.0	92.7	82.2	77.4	89.7
1927	81.4	86.0	74.3	78.7	77.4	78.6	86.0	91.7	91.7	86.3	75.2	70.9	81.9
1928	76.1	78.5	69.6	70.5	71.0	70.3	81.7	82.7	85.1	80.1	69.6	65.2	76.5

FREIGHT TON-MILES (millions) ³													
1918	36,410	27,620	29,678	37,709	37,903	37,507	37,068	39,347	40,776	39,579	39,842	35,564	33,639
1919	32,814	30,356	25,630	28,813	28,593	32,276	31,881	34,916	36,416	38,678	40,361	32,497	33,363
1920	37,445	34,904	32,958	37,865	28,592	37,892	38,246	40,440	42,734	40,998	42,570	37,349	34,725
1921	34,478	29,764	24,915	26,810	25,591	28,220	28,146	28,402	30,420	30,864	36,672	29,222	25,723
1922	31,320	27,151	25,451	32,941	24,736	27,940	29,062	27,115	30,472	34,334	39,287	38,077	36,271
1923	38,133	37,707	32,628	39,222	38,321	39,508	38,001	38,518	40,344	39,461	42,210	38,158	33,427
1924	35,803	34,510	35,982	36,426	31,926	33,915	31,068	33,185	36,457	39,064	43,134	38,067	35,006
1925	38,007	37,020	33,570	35,332	33,571	37,126	35,854	37,944	41,709	41,305	44,054	40,775	37,856
1926	40,725	37,089	35,405	43,669	36,300	39,834	39,252	41,717	43,734	44,346	48,296	43,360	40,116
1927	39,559	39,233	37,259	41,817	37,111	40,118	38,477	38,369	41,984	42,959	45,837	37,250	34,502
1928	40,004	39,269	35,701	39,467	35,866	39,250	37,304	39,196	42,406	43,778	48,205	41,965	37,645

¹Returns for January to October, inclusive, do not include switching and terminal companies.
³Exclusive of switching and terminal companies.

Source: Interstate Commerce Commission.

No. 437.—PASSENGERS CARRIED AND PASSENGER REVENUE

NOTE.—Figures relate to years ended June 30 prior to 1916, to calendar years thereafter. Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves.

Class and year or yearly average	Passengers carried (thousands)	Passengers carried 1 mile (millions)	Average journey per passenger (miles)	Passenger train-miles (thousands)	Passenger car-miles (thousands)	Passenger revenue (thousand dollars)	Passenger service train revenue per train-mile	Revenue per passenger per mile (cts.)	Average passengers per train
All roads:									
1891-1895	546,762	13,383	24.48	321,031	-----	281,415	\$1.05	2.10	42
1896-1900	520,459	13,868	26.64	345,457	-----	279,900	.99	2.02	39
1901-1905	681,261	20,737	30.44	423,244	-----	416,600	1.11	2.01	45
1906-1910	885,003	28,083	32.41	509,868	-----	560,315	1.26	1.98	53
1911-1915	1,018,804	33,768	33.14	587,501	3,204,399	672,792	1.32	1.99	54
1916-1920	1,152,566	42,548	36.02	560,364	3,416,933	1,021,536	1.21	2.40	172
1921-1925	982,320	36,869	37.53	571,455	3,603,117	1,112,034	1.24	3.02	165
1901	607,273	17,354	28.58	385,173	-----	351,356	1.03	2.01	42
1902	649,879	19,690	30.30	405,613	-----	392,063	1.09	1.99	45
1903	694,892	20,916	30.10	425,142	-----	421,705	1.12	2.01	46
1904	715,420	21,923	30.64	440,465	-----	444,327	1.14	2.01	46
1905	738,835	23,800	32.21	459,827	-----	472,695	1.16	1.96	48
1906	797,046	25,167	31.54	470,038	-----	510,033	1.20	2.00	49
1907	873,905	27,719	31.72	509,328	-----	564,606	1.36	2.01	51
1908	900,010	29,083	32.80	505,946	2,705,660	566,333	1.27	1.94	54
1909	891,472	29,109	32.85	506,011	2,746,511	563,609	1.27	1.93	54
1910	971,683	32,338	33.50	549,015	2,998,171	628,092	1.30	1.94	56
1911	997,410	33,202	33.48	572,020	3,136,774	657,638	1.31	1.97	55
1912	1,004,081	33,192	33.18	585,864	3,235,634	660,373	1.26	1.99	53
1913	1,043,603	34,673	33.31	593,061	3,320,488	695,988	1.30	2.01	55
1914	1,063,249	35,357	33.25	605,212	3,399,604	703,484	1.34	1.99	56
1915	986,676	32,475	32.95	580,448	3,229,496	646,475	1.31	1.99	53
1916	1,048,987	35,220	33.58	595,441	3,499,689	722,359	1.44	2.05	56
1917	1,109,943	40,160	36.13	593,338	3,485,788	840,910	1.49	2.10	60
1918	1,122,963	43,212	38.48	544,327	3,276,480	1,046,166	1.23	2.42	176
1919	1,211,022	46,858	38.68	553,147	3,446,787	1,193,431	1.26	2.55	182
1920	1,269,913	47,370	37.30	574,820	3,618,617	1,304,815	1.28	2.76	180
1921	1,061,131	37,706	35.83	568,242	3,503,514	1,166,252	1.25	3.09	167
1922	989,509	35,811	36.19	563,019	3,445,869	1,087,516	1.25	3.04	165
1923	1,008,538	38,294	37.97	573,938	3,618,342	1,188,925	1.26	3.03	167
1924	950,459	36,868	38.26	579,384	3,676,746	1,085,672	1.24	2.99	163
1925	901,968	30,167	40.10	581,792	3,773,114	1,064,806	1.27	2.94	161
1926	874,589	35,673	40.79	584,972	3,862,610	1,049,210	1.23	2.94	161
1927	840,030	33,798	40.23	578,355	3,850,116	980,528	1.23	2.90	159
Class I roads:									
1916-1920	1,114,055	41,989	37.69	556,495	3,406,295	1,005,690	2.13	2.40	72
1921-1925	962,153	36,556	37.99	558,508	3,572,920	1,100,602	2.47	3.01	65
1926	862,361	35,478	41.14	573,627	3,836,788	1,041,816	2.33	2.94	61
1927	829,918	33,650	40.55	568,538	3,830,557	974,951	2.23	2.90	59
1928	778,731	31,638	40.50	562,637	3,718,903	898,951	-----	2.86	56
Eastern district:									
1916-1920	693,837	19,690	28.23	231,816	1,427,364	439,137	2.32	2.24	81
1921-1925	642,356	18,636	29.01	230,179	1,507,410	528,429	2.84	2.84	81
1926	608,365	18,762	30.84	238,329	1,634,092	523,475	2.77	2.79	78
1927	591,510	18,165	30.71	236,208	1,640,957	502,365	2.70	2.77	76
1928	560,685	17,322	30.89	231,815	1,558,592	473,009	-----	2.73	75
Southern district:									
1916-1920	130,052	6,295	45.27	91,976	535,012	100,704	1.08	2.55	65
1921-1925	108,845	5,191	47.09	96,314	582,587	174,435	2.22	3.36	53
1926	88,671	5,187	58.49	103,309	667,380	173,755	2.10	3.35	50
1927	85,609	4,508	52.65	100,870	642,168	147,282	1.87	3.27	44
1928	78,941	4,034	51.10	98,502	615,094	129,613	-----	3.21	41
Western district:									
1916-1920	281,166	16,105	57.28	232,704	1,444,548	405,849	2.00	2.52	64
1921-1925	210,952	12,720	60.34	232,075	1,482,295	397,738	2.21	3.12	54
1926	166,325	11,529	69.74	231,899	1,535,316	344,586	1.99	2.99	49
1927	152,799	10,977	71.84	231,460	1,547,432	325,304	1.90	2.96	47
1928	130,105	10,182	73.20	232,220	1,545,217	296,329	-----	2.91	44

¹ Data available for Class I only.

² Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 438.—REVENUES, EXPENSES, AND INCOME OF OPERATING COMPANIES

NOTE.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in Table 442. Switching and terminal companies are excluded beginning with 1908. For certain principal items for individual years 1890 to 1900, see Table 440, p 400

Class and year or yearly average	Average miles of line (first track) operated	Income account items (thousands of dollars)					Per mile of line		Per cent operating expenses of revenues.
		Operating revenues	Operating expenses	Net revenue from operations	Tax accruals	Net railway operating income	Operating revenues	Net revenue from operations	
All roads:									
1891-1895.....	169,378	1,127,631	769,688	307,942	34,915	333,027	\$6,657	\$2,172	67.37
1896-1900.....	186,001	1,204,048	832,377	431,671	41,970	389,701	6,796	2,321	65.85
1901-1905.....	206,050	1,864,632	1,226,737	627,945	53,100	574,840	9,001	3,048	66.14
1906-1910.....	229,404	2,528,171	1,705,542	822,630	80,931	727,407	11,021	3,686	67.46
1911-1915.....	246,952	3,007,262	2,123,282	883,980	123,345	720,172	12,164	3,678	70.61
1916-1920.....	258,295	4,870,408	3,071,453	809,015	227,080	624,304	18,856	3,481	81.54
1921-1925.....	257,932	6,008,699	4,084,135	1,319,563	328,822	809,332	23,276	5,110	78.02
1901.....	195,562	1,588,526	1,030,307	558,120	40,708	511,421	8,123	2,854	64.80
1902.....	200,155	1,726,380	1,116,249	610,131	50,064	560,077	8,026	3,045	64.06
1903.....	205,314	1,900,847	1,257,539	643,308	53,252	590,056	9,269	3,133	66.16
1904.....	212,243	1,975,174	1,338,606	636,278	50,802	570,476	9,300	3,298	67.79
1905.....	210,974	2,082,432	1,390,602	691,686	58,712	633,168	9,808	3,196	66.78
1906.....	222,340	2,325,765	1,536,877	788,888	69,064	719,824	10,460	3,648	66.08
1907.....	227,455	2,589,100	1,748,516	840,590	73,743	766,846	11,383	3,690	67.53
1908.....	227,257	2,440,639	1,710,402	730,237	78,674	634,794	10,740	3,213	70.08
1909.....	232,981	2,473,205	1,650,034	823,171	85,140	710,474	10,615	3,533	70.72
1910.....	236,087	2,812,142	1,881,876	930,203	98,036	805,097	11,800	3,925	66.92
1911.....	243,434	2,852,855	1,970,332	870,523	102,657	744,060	11,710	3,601	69.28
1912.....	240,829	2,900,416	2,035,058	871,858	113,819	727,458	11,776	3,630	70.02
1913.....	242,657	3,186,118	2,256,928	937,106	122,005	1,806,266	13,150	3,946	70.01
1914.....	264,776	3,127,730	2,280,416	847,314	140,470	674,190	12,270	3,226	72.01
1915.....	260,214	2,956,193	2,088,638	807,510	137,775	694,276	11,638	3,980	70.65
1916.....	257,325	3,691,065	2,426,251	1,204,815	161,825	1,068,506	14,344	4,916	65.73
1917.....	258,913	4,115,413	2,906,283	1,209,130	218,632	950,557	15,895	4,070	70.02
1918.....	255,263	4,985,200	4,071,522	913,768	229,633	646,223	19,303	3,638	81.67
1919.....	257,949	5,250,420	4,498,817	751,603	239,136	454,132	20,354	2,814	85.68
1920.....	259,026	6,104,151	5,954,394	355,757	289,272	12,101	24,861	1,973	94.36
1921.....	258,089	5,622,645	4,668,908	968,667	283,103	601,139	21,825	3,734	82.89
1922.....	257,195	5,674,433	4,509,901	1,104,492	308,145	769,411	22,063	4,628	79.48
1923.....	267,625	6,419,210	4,969,383	1,419,827	339,577	974,918	24,017	5,211	77.88
1924.....	268,104	6,045,232	4,608,507	1,436,446	347,437	984,463	23,422	6,665	76.24
1925.....	268,646	6,246,833	4,633,497	1,613,386	366,790	1,130,728	24,152	6,238	74.17
1926.....	258,295	6,508,676	4,766,235	1,742,444	396,538	1,229,020	25,190	6,746	73.23
1927.....	268,877	6,245,716	4,662,521	1,583,195	383,112	1,077,842	24,120	6,116	74.65
Class I roads:									
1916-1920.....	232,974	4,763,030	3,879,220	883,810	210,774	616,937	20,445	3,794	81.44
1921-1925.....	235,302	5,881,855	4,593,425	1,298,431	321,630	883,599	24,097	5,513	77.02
1926.....	236,626	6,382,940	4,660,337	1,713,608	388,923	1,213,090	26,675	7,242	73.15
1927.....	238,000	6,136,300	4,574,178	1,562,122	376,110	1,067,985	25,783	6,664	74.54
1928.....	239,700	6,104,322	4,422,484	1,681,838	380,225	1,171,460	25,460	7,016	72.46
Eastern district:									
1916-1920.....	59,228	2,128,577	1,816,825	311,752	84,004	188,683	35,039	5,264	85.35
1921-1925.....	58,947	2,068,020	2,126,217	542,303	128,138	364,374	45,261	9,208	79.66
1926.....	58,937	2,898,986	2,167,706	731,280	159,240	514,045	49,146	12,897	74.77
1927.....	58,968	2,758,469	2,086,757	661,712	162,390	450,276	46,379	11,222	76.01
1928.....	58,816	2,724,296	1,908,023	726,273	162,719	502,352	46,319	12,843	73.34
Southern district:									
1916-1920.....	43,128	739,378	595,807	143,511	33,198	114,870	17,144	3,328	80.59
1921-1925.....	43,865	992,307	762,100	230,207	54,088	170,826	22,622	5,248	76.80
1926.....	44,445	1,165,528	830,126	335,402	75,720	253,499	26,224	7,649	71.22
1927.....	45,251	1,080,867	798,113	282,754	72,463	217,771	24,107	6,470	73.16
1928.....	45,718	1,033,071	749,171	293,900	71,214	212,058	22,597	6,210	72.52
Western district:									
1916-1920.....	130,618	1,805,083	1,466,527	428,567	102,672	313,433	14,500	3,281	77.39
1921-1925.....	132,400	2,221,529	1,696,108	525,421	139,310	348,390	16,767	3,066	75.35
1926.....	133,194	2,318,426	1,671,505	646,921	153,063	444,046	17,406	4,857	72.10
1927.....	133,781	2,286,964	1,679,308	607,656	151,267	399,938	17,095	4,642	73.43
1928.....	135,172	2,346,955	1,675,200	671,665	155,292	456,150	17,363	4,960	71.98

¹ Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 439.—FREIGHT TRAFFIC: TONNAGE AND REVENUE, 1890 TO 1900

NOTE.—Includes switching and terminal companies. Further data for freight traffic are presented in Table 435, p. 405. Tons are of 2,000 pounds

Year ended June 30—	Total tons of revenue freight carried (thou- sands)	Tons of revenue freight carried 1 mile (mil- lions)	Freight revenue		Year ended June 30—	Total tons of revenue freight carried (thou- sands)	Tons of revenue freight carried 1 mile (mil- lions)	Freight revenue	
			Amount (1,000 dollars)	Per ton- mile (cents)				Amount (1,000 dollars)	Per ton- mile (cents)
1890.....	636,542	76,207	714,464	0.941	1896.....	753,717	95,328	786,616	0.806
1891.....	673,603	81,074	736,794	.895	1897.....	728,900	96,139	772,849	.798
1892.....	706,555	88,241	799,316	.898	1898.....	863,629	114,078	876,728	.765
1893.....	745,119	93,538	829,054	.878	1899.....	943,715	123,667	913,737	.724
1894.....	638,187	80,335	699,491	.890	1900.....	1,081,983	141,597	1,040,256	.720
1895.....	606,701	85,228	729,993	.839					

Source: Interstate Commerce Commission.

No. 440.—REVENUES AND EXPENSES OF OPERATING COMPANIES, 1890 TO 1900

NOTE.—Includes switching and terminal companies. Further data for revenues and expenses are presented in Table 438, p. 408.

Year ended June 30—	Aver- age miles of line (first track) operated	Operating revenues (1,000 dollars)	Operat- ing ex- penses (1,000 dollars)	Per cent oper- ating ex- penses of rev- enues	Year ended June 30—	Aver- age miles of line (first track) operated	Operating revenues (1,000 dollars)	Operat- ing ex- penses (1,000 dollars)	Per cent oper- ating ex- penses of rev- enues
1891.....	161,275	1,096,761	731,888	66.73	1897.....	183,284	1,122,090	752,525	67.06
1892.....	162,397	1,171,407	780,908	66.67	1898.....	184,048	1,247,326	817,973	65.63
1893.....	169,780	1,220,752	827,921	67.82	1899.....	187,535	1,313,610	856,969	65.24
1894.....	175,691	1,073,362	731,414	68.14	1900.....	192,556	1,487,045	901,420	64.05
1895.....	177,746	1,076,371	725,720	67.48					

Source: Interstate Commerce Commission.

No. 441.—OPERATING REVENUES AND EXPENSES OF ALL CLASSES OF RAILWAYS

Class	1926				1927			
	Operating reve- nues		Operating ex- penses		Operating reve- nues		Operating ex- penses	
	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total
Class I.....	6,382,939	96.41	4,669,337	96.30	6,186,300	96.63	4,574,178	96.44
Class II.....	107,666	1.63	80,700	1.67	92,923	1.46	72,679	1.53
Class III.....	18,073	.27	16,198	.33	16,492	.26	15,664	.33
Total.....	6,508,678	98.31	4,766,235	98.30	6,295,715	98.35	4,662,521	98.30
Switching and terminal companies.....	112,130	1.69	82,332	1.70	104,958	1.65	80,489	1.70
Grand total.....	6,620,808	100.00	4,848,617	100.00	6,396,673	100.00	4,743,010	100.00

Source: Interstate Commerce Commission.

No. 442.—INCOME ACCOUNT OF CLASS I CARRIERS: OPERATING ROADS

NOTE.—All figures in thousands of dollars. Switching and terminal companies are excluded.

Item	1916-1920 (average)	1921-1925 (average)	1924	1925	1926	1927	1928 ¹
Revenues.....	4,763,039	5,681,856	5,921,496	6,122,510	6,382,939	6,136,300	6,104,922
Freight.....	3,336,480	4,277,134	4,333,585	4,541,640	4,797,780	4,632,321	4,035,970
Passenger.....	1,005,090	1,100,603	1,075,039	1,056,395	1,041,816	974,951	900,306
Mail.....	76,598	94,900	97,952	97,097	96,167	95,961	104,317
Express.....	118,923	137,886	143,372	145,355	149,049	143,365	142,445
All other transportation.....	92,041	129,878	133,018	138,395	148,773	141,005	141,185
All other.....	133,387	141,455	137,630	143,622	154,304	148,697	130,090
Expenses.....	3,879,320	4,538,425	4,607,885	4,536,380	4,669,337	4,574,178	4,422,494
Maintenance, way, etc.....	663,681	781,577	792,078	816,442	866,810	868,581	837,137
Maintenance, equipment.....	1,040,185	1,237,802	1,260,020	1,259,835	1,283,091	1,219,052	1,165,693
Traffic.....	59,749	93,919	93,873	106,053	114,691	120,349	124,760
Transportation.....	1,947,814	2,194,368	2,141,409	2,128,471	2,171,904	2,127,506	2,066,682
All other.....	167,791	215,769	214,545	226,078	232,832	238,690	227,972
Net revenue from railway operations.....	883,819	1,298,431	1,413,611	1,586,650	1,713,602	1,562,122	1,681,936
Deduct—							
Tax accruals.....	219,774	321,536	340,337	353,616	358,023	370,110	380,225
Uncollectible revenues.....	868	1,895	2,306	1,924	1,851	1,492	1,580
Equipment rents.....	28,047	67,069	72,908	79,304	82,838	83,351	92,421
Joint facility rents.....	20,843	23,742	24,223	24,719	26,850	28,184	27,152
Net railway operating income.....	616,087	883,599	973,837	1,121,077	1,213,000	1,067,985	1,171,460

Item	Eastern district			Southern district			Western district		
	1926	1927	1928	1926	1927	1928	1926	1927	1928
Revenues.....	2,888,989	2,758,469	2,724,296	1,165,627	1,000,387	1,033,071	2,318,426	2,280,904	2,346,955
Freight.....	2,120,301	2,008,136	2,007,141	913,060	871,910	833,031	1,793,513	1,752,275	1,844,898
Passenger.....	523,475	592,365	473,442	173,755	147,232	129,555	344,586	325,304	297,290
Mail.....	36,577	36,474	40,311	16,789	16,624	17,739	42,791	42,869	45,267
Express.....	70,591	67,133	64,977	22,953	21,633	21,142	55,505	54,594	56,326
All other transportation.....	75,871	74,339	73,321	15,485	13,705	13,006	52,417	52,961	54,858
All other.....	72,171	70,017	65,104	22,579	19,713	17,088	59,614	58,067	47,307
Expenses.....	2,167,706	2,068,787	1,998,023	830,126	798,113	749,171	1,671,505	1,679,308	1,675,280
Maintenance, way, etc.....	368,337	363,433	344,725	167,397	157,959	146,003	331,085	347,189	346,409
Maintenance, equipment.....	620,645	573,813	542,188	227,862	220,610	207,471	434,534	424,029	416,004
Traffic.....	42,046	44,090	46,286	23,540	24,201	24,238	49,090	51,453	54,226
Transportation.....	1,027,563	1,003,474	960,542	377,128	358,447	333,891	767,213	765,585	772,529
All other.....	109,115	111,347	104,232	34,193	36,806	37,598	80,524	90,447	86,122
Net revenue from railway operations.....	731,280	661,712	726,273	335,401	202,754	283,000	646,921	607,656	671,665
Deduct—									
Tax accruals.....	159,240	152,390	162,719	73,720	72,463	71,214	153,963	151,257	155,292
Uncollectible revenues.....	997	575	874	255	308	245	590	609	461
Equipment rents.....	43,954	45,295	47,641	3,353	4,077	2,770	35,581	43,153	47,550
Joint facility rents.....	12,144	13,176	12,687	2,574	2,309	2,253	12,132	12,099	12,212
Net railway operating income.....	514,945	450,276	563,552	263,409	217,771	212,956	444,046	399,938	456,150

¹ Water line transportation apportioned to the several accounts; included in "All other" in prior years.
² Add.

Source: Interstate Commerce Commission.

No. 443.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE.—Data for 1910 relate to year ended June 30, thereafter to calendar years, and for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1910 include also Class II and Class III and for 1916, Class II. Total railroad taxes, Federal and State, in 1927, by classes were as follows: Class I and subsidiaries, \$378,024,762 (including \$977,731 Canadian, \$7 Cuban, \$4,047 Mexican, and \$4,403 not distributed by States); Class II and subsidiaries, \$6,204,308; Class III and subsidiaries, \$820,194; switching and terminal companies, \$13,946,520; grand total, \$390,004,874

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1910	1916	1920	1925	1930	1927	1910	1920	1925	1927
Total	103,738	162,475	282,751	359,370	889,753	377,039	-----	1,262	1,608	1,666
United States Govern- ment taxes	4,315	12,531	50,543	87,680	109,818	86,031	-----	226	391	380
New England:										
Maine.....	675	1,026	1,725	1,977	2,014	2,084	301	831	977	1,054
New Hampshire.....	778	740	1,005	1,042	1,130	1,147	620	827	868	985
Vermont.....	287	491	451	453	420	464	251	608	592	593
Massachusetts.....	3,097	2,575	3,339	3,920	4,137	4,185	1,484	1,616	1,629	2,000
Rhode Island.....	276	397	585	604	630	678	1,302	2,096	3,343	3,750
Connecticut.....	1,868	1,114	1,975	2,058	2,093	2,021	1,867	1,977	2,138	2,101
Middle Atlantic:										
New York.....	7,312	11,724	17,861	22,613	24,221	24,144	877	2,271	2,876	3,072
New Jersey.....	6,036	7,656	11,189	17,355	17,823	10,962	2,290	5,232	8,466	8,259
Pennsylvania.....	6,352	9,957	9,342	11,134	12,770	13,023	587	945	1,181	1,319
South Atlantic:										
Delaware.....	161	153	165	182	175	172	432	493	609	675
Dist. of Columbia.....	56	64	70	126	147	124	1,562	2,201	3,661	3,678
Maryland.....	1,016	1,211	2,004	1,352	2,053	2,217	742	1,591	1,112	1,823
Virginia.....	1,766	3,012	4,695	5,614	7,095	7,872	400	1,129	1,375	1,899
West Virginia.....	1,454	2,355	3,870	6,046	5,969	6,225	463	1,195	1,744	1,755
North Carolina.....	952	1,706	2,120	4,748	5,126	5,243	220	552	1,322	1,444
South Carolina.....	764	1,091	1,951	2,840	3,134	3,268	232	623	911	1,052
Georgia.....	1,386	1,957	2,481	3,310	3,470	3,663	206	456	612	668
Florida.....	839	1,572	2,167	3,288	4,490	5,433	208	542	879	1,105
East North Central:										
Ohio.....	5,457	10,618	16,841	18,518	18,926	20,140	611	2,048	2,184	2,356
Indiana.....	3,845	5,893	9,422	11,627	12,145	11,911	621	1,328	1,684	1,727
Illinois.....	5,638	9,040	16,422	21,676	21,567	21,256	501	1,421	1,908	1,898
Michigan.....	4,052	4,220	7,579	7,656	8,140	8,995	469	1,683	1,078	1,273
Wisconsin.....	3,102	4,968	6,576	7,295	6,410	6,563	440	995	1,030	937
West North Central:										
Minnesota.....	3,958	6,445	9,753	7,965	7,079	7,697	481	1,151	962	925
Iowa.....	2,463	3,871	7,855	6,842	6,886	6,901	253	808	706	712
Missouri.....	1,830	2,258	3,359	3,716	3,833	3,766	230	457	498	605
North Dakota.....	1,427	2,289	4,907	4,290	4,113	4,294	341	969	834	833
South Dakota.....	834	1,635	3,718	3,161	1,807	2,044	211	900	752	629
Nebraska.....	2,031	2,704	4,159	4,747	4,577	5,167	335	677	770	837
Kansas.....	3,074	4,108	6,188	6,670	5,406	8,869	344	688	727	966
South Central:										
Kentucky.....	1,073	2,018	2,184	4,240	5,099	5,323	312	624	1,157	1,419
Tennessee.....	1,181	1,718	2,584	3,107	2,905	3,270	326	702	847	830
Alabama.....	1,410	1,751	2,648	2,687	2,619	3,170	297	590	603	714
Mississippi.....	997	1,916	3,612	5,064	5,094	4,920	250	942	1,364	1,283
West South Central:										
Louisiana.....	1,238	2,235	3,788	4,578	4,825	4,911	280	971	1,180	1,219
Texas.....	2,688	4,650	5,093	6,514	6,456	6,952	196	364	469	481
Oklahoma.....	2,967	3,663	6,463	5,682	5,344	5,611	499	864	917	896
Arkansas.....	1,347	2,248	3,912	2,663	2,668	2,768	277	948	622	642
Mountain:										
Montana.....	1,486	2,781	4,284	4,728	4,586	4,539	356	871	966	917
Wyoming.....	614	901	1,213	1,659	1,672	1,809	384	686	924	1,005
Colorado.....	1,687	2,451	3,344	3,719	3,720	3,943	306	720	823	880
New Mexico.....	745	1,179	2,467	2,212	2,153	2,508	254	915	796	866
Arizona.....	321	1,341	1,672	2,485	2,495	3,029	158	776	1,187	1,370
Utah.....	692	1,123	1,856	2,161	2,139	2,201	383	907	1,039	1,047
Nevada.....	668	1,028	1,543	1,762	1,826	1,805	388	942	1,088	1,066
Idaho.....	714	1,475	3,844	2,872	2,900	3,106	345	1,500	1,099	1,185
Pacific:										
Washington.....	3,151	4,064	8,795	6,647	6,658	7,418	685	1,698	1,309	1,462
Oregon.....	913	1,492	2,722	2,736	3,157	3,461	444	1,060	1,025	1,201
California.....	3,444	5,142	7,187	12,368	12,679	13,088	508	1,071	1,863	1,911

Source: Interstate Commerce Commission.

No. 444.—PRINCIPAL RAILWAY COMPANIES: MILES OF ROAD OPERATED AND

NOTE.—Totals for regions include

Region and road	Average mileage of road operated, 1928	Ton-miles of revenue freight (millions)		Operating revenues (thousands of dollars)		Operating expenses (thousands of dollars)	
		1927	1928	1927	1928	1927	1928
All regions.....	240,579	428,737	432,986	6,130,300	6,177,761	4,574,178	4,472,460
New England Region	7,302	9,282	9,209	269,880	284,968	204,373	191,606
1. Boston & Maine.....	2,083	2,867	2,804	77,848	76,624	61,836	57,423
2. N. Y., New Haven & Hartford.....	2,149	3,822	3,886	139,824	137,633	100,278	94,149
Great Lakes Region	24,865	73,478	74,070	1,103,625	1,124,922	838,678	828,108
1. Delaware & Hudson.....	382	3,535	3,298	42,693	40,230	34,546	31,586
2. Del., Lackawanna & Western.....	996	4,647	4,535	84,080	81,135	60,183	57,975
3. Erie.....	2,047	8,489	8,841	108,357	110,092	91,623	86,469
4. Chicago & Erie.....	270	1,672	1,666	14,121	14,855	8,641	8,894
Total Erie and Chi. & Erie.....	2,317	10,161	10,507	122,478	124,977	100,264	95,363
5. Lehigh Valley.....	1,804	5,263	5,138	74,603	71,935	59,270	53,827
6. Michigan Central.....	1,858	4,282	4,522	89,751	93,217	62,244	62,644
7. New York Central.....	6,911	22,300	22,202	383,377	381,733	293,400	288,250
8. N. Y., Chicago & St. Louis.....	1,601	4,832	4,989	53,620	52,877	38,574	37,867
9. Pere Marquette.....	2,245	3,249	3,388	44,745	45,762	31,640	31,036
10. Pittsburgh & Lake Erie.....	231	2,479	2,435	31,786	31,407	26,320	25,603
11. Wabash.....	2,524	5,089	5,568	67,108	71,073	61,379	52,412
Central Eastern Region	27,027	101,030	99,873	1,984,965	1,982,459	1,053,708	1,011,819
1. Baltimore & Ohio.....	5,638	20,842	20,243	240,079	236,819	126,169	122,651
2. Central R. R. Co. of New Jersey.....	691	2,820	2,847	58,740	58,002	43,344	42,122
3. Chicago & Eastern Illinois.....	945	2,547	2,122	20,714	24,894	21,530	19,421
4. Cleveland, Cincinnati, Chicago & St. Louis.....	2,397	8,413	8,125	91,180	88,880	70,323	66,989
5. Elgin, Joliet & Eastern.....	460	1,689	1,712	24,282	24,602	17,000	16,820
6. Long Island.....	404	177	180	40,887	40,533	30,112	28,434
7. Pennsylvania.....	10,467	45,168	44,990	664,851	650,567	510,609	480,172
8. Reading Co.....	1,141	6,604	6,410	92,500	98,940	71,880	69,823
Poconantas Region	6,633	37,906	36,187	277,701	261,268	179,471	166,969
1. Chesapeake & Ohio.....	2,724	19,334	18,187	133,042	124,825	89,733	82,643
2. Norfolk & Western.....	2,241	15,024	15,016	110,948	100,947	69,606	66,522
Southern Region	40,140	58,432	55,790	813,166	773,417	618,642	583,120
1. Atlantic Coast Line.....	5,118	3,787	3,314	80,420	71,393	64,330	55,966
2. Central of Georgia.....	1,917	1,747	1,554	27,041	25,133	20,946	19,209
3. Illinois Central.....	5,002	14,832	14,003	155,822	152,570	118,983	116,434
4. Louisville & Nashville.....	5,076	13,442	12,921	144,605	135,638	112,868	106,231
5. Seaboard Air Line.....	4,499	3,391	3,177	61,790	57,245	46,873	42,903
6. Southern.....	6,761	8,483	8,413	147,639	144,116	103,908	101,888
7. Yazoo & Mississippi Valley.....	1,708	1,200	1,491	26,976	20,851	22,740	20,852
Northwestern Region	48,960	49,930	53,007	714,793	730,318	536,518	541,791
1. Chicago & North Western.....	3,463	8,540	8,794	130,133	152,090	116,994	116,639
2. Chicago, Milwaukee, St. Paul & Pacific.....	11,252	12,550	13,143	162,943	170,555	133,506	126,241
3. Chicago, St. Paul, Minneapolis & Omaha.....	1,747	1,640	1,692	26,847	27,063	21,800	22,089
4. Great Northern.....	8,277	8,058	10,127	117,904	126,737	78,356	83,235
5. Minneapolis, St. Paul & Sault Ste. Marie.....	4,385	3,621	3,739	49,157	50,292	35,736	36,407
6. Northern Pacific.....	6,730	6,571	7,052	95,575	101,273	67,855	70,802
7. Oregon-Washington R. R. & Navigation Co.....	2,364	1,624	1,674	29,126	29,693	22,206	23,387
Central Western Region	52,638	64,138	67,663	1,042,856	1,066,844	742,168	746,470
1. Atchison, Topeka & Santa Fe.....	9,428	11,417	11,719	206,294	206,277	142,755	142,765
2. Chicago & Alton.....	1,028	1,869	2,014	28,346	28,540	22,264	22,423
3. Chicago, Burlington & Quincy.....	9,375	11,943	12,932	158,320	162,801	111,918	114,191
4. Chicago, Rock Island & Pacific.....	7,566	8,191	8,771	132,928	134,317	98,271	98,854
5. Denver & Rio Grande Western.....	2,558	2,036	2,082	33,121	33,201	25,079	24,442
6. Oregon Short Line.....	2,539	2,450	2,720	36,000	38,732	24,443	25,389
7. Southern Pacific Co.—Pacific Lines.....	8,906	11,134	11,679	226,956	230,043	160,051	161,639
8. Union Pacific.....	3,732	8,119	8,989	113,384	121,972	73,235	77,712
Southwestern Region	34,014	34,561	36,784	529,314	554,185	400,639	399,897
1. Gulf, Colorado & Santa Fe.....	1,945	3,328	2,305	34,193	28,099	24,031	19,991
2. Missouri-Kansas-Texas.....	1,700	2,145	2,340	35,237	35,894	23,363	22,404
3. Missouri-Kansas-Texas of Texas.....	1,389	1,235	1,296	20,945	20,655	15,976	16,470
4. Missouri Pacific.....	7,445	6,386	10,312	125,728	131,577	99,566	99,091
5. St. Louis-San Francisco.....	5,178	4,839	4,845	84,430	81,653	58,101	56,532
6. Texas & New Orleans.....	4,697	3,486	4,016	61,420	70,061	49,845	55,095
7. Texas & Pacific.....	2,015	2,319	3,920	38,950	50,796	28,797	34,636

* Successor to Chicago, Milwaukee & St. Paul as of Jan. 14, 1928.

PRINCIPAL ITEMS OF TRAFFIC, REVENUES, AND EXPENSES OF LARGER COMPANIES

smaller roads of Class I not listed

Operating ratio (per cent)		Railway tax accruals		Net railway operating income		Freight revenue		Passenger revenue		Region and road
Thousands of dollars										
1927	1928	1927	1928	1927	1928	1927	1928	1927	1928	
74.5	72.4	376, 110	395, 066	1, 067, 985	1, 193, 134	4, 632, 321	4, 688, 780	974, 951	900, 327	All regions.
75.7	72.4	13, 830	14, 736	39, 615	47, 482	163, 869	163, 557	75, 616	71, 597	New England.
79.4	75.0	3, 573	3, 946	9, 501	12, 803	50, 055	50, 307	15, 420	10, 080	1.
71.7	68.4	0, 435	7, 494	25, 235	20, 238	75, 002	75, 341	40, 436	47, 271	2.
76.0	73.6	63, 225	63, 932	184, 382	208, 297	818, 869	829, 329	181, 209	173, 142	Great Lakes.
80.9	78.5	1, 401	1, 050	6, 711	7, 633	36, 208	33, 628	5, 604	5, 407	1.
71.1	71.5	7, 457	6, 393	17, 398	17, 119	61, 676	59, 708	13, 007	12, 002	2.
84.6	78.5	4, 233	4, 351	12, 125	18, 434	87, 483	90, 361	11, 601	10, 675	3.
61.2	69.8	688	707	830	1, 613	12, 309	13, 129	639	579	4.
81.9	76.3	4, 821	5, 058	12, 961	20, 047	99, 783	103, 490	12, 330	11, 254	Total 3 and 4.
70.0	74.8	3, 474	3, 678	9, 836	12, 315	61, 208	59, 510	7, 688	6, 995	5.
69.4	67.2	0, 248	6, 328	20, 939	23, 156	80, 355	64, 098	20, 203	19, 793	6.
76.5	75.5	25, 194	29, 137	61, 824	62, 222	234, 311	294, 618	99, 105	96, 017	7.
71.9	71.6	2, 720	2, 981	9, 996	9, 557	50, 031	49, 344	1, 818	1, 815	8.
70.7	67.8	2, 491	2, 725	9, 202	10, 596	38, 767	40, 633	3, 247	2, 968	9.
82.8	81.5	2, 005	2, 039	8, 005	7, 771	28, 066	27, 938	2, 754	2, 409	10.
76.0	73.7	2, 788	3, 052	9, 612	11, 950	53, 993	58, 840	8, 154	7, 105	11.
78.1	73.2	75, 835	82, 509	226, 279	256, 335	1, 027, 402	1, 019, 703	245, 843	228, 793	Central Eastern.
75.7	72.9	12, 287	11, 639	44, 817	49, 388	203, 563	197, 215	26, 287	23, 712	1.
73.8	72.6	3, 788	5, 059	10, 854	9, 356	45, 767	45, 564	8, 731	8, 460	2.
80.6	78.0	1, 400	1, 583	2, 292	2, 201	20, 492	19, 184	4, 123	3, 606	3.
77.1	75.4	6, 447	4, 929	14, 603	15, 623	67, 950	67, 504	15, 570	14, 558	4.
70.0	68.4	1, 380	2, 164	4, 179	3, 731	22, 294	22, 383			5.
73.7	70.2	2, 472	2, 689	6, 163	7, 642	11, 857	11, 605	26, 357	26, 460	6.
70.8	73.8	35, 710	37, 846	103, 977	117, 298	461, 612	467, 294	140, 811	131, 180	7.
77.0	77.6	5, 185	4, 521	10, 790	17, 099	78, 570	76, 312	8, 923	7, 775	8.
64.6	63.9	21, 819	20, 195	81, 282	79, 636	244, 837	232, 735	20, 001	16, 871	Pocalontas.
67.5	66.1	8, 740	8, 491	36, 321	36, 324	119, 220	112, 842	8, 555	7, 083	1.
62.8	62.2	10, 300	9, 200	34, 011	34, 204	99, 002	97, 502	6, 894	5, 727	2.
76.1	75.4	50, 944	51, 148	136, 488	133, 803	627, 083	601, 220	127, 281	112, 994	Southern.
80.0	78.4	6, 050	5, 800	10, 271	9, 895	58, 839	52, 019	14, 956	13, 067	1.
75.8	70.4	1, 555	1, 513	5, 051	4, 450	20, 759	19, 020	4, 423	3, 720	2.
76.4	73.3	10, 112	10, 253	25, 616	25, 762	121, 450	119, 959	23, 116	21, 432	3.
73.1	73.3	7, 640	7, 605	23, 877	22, 205	116, 384	110, 019	20, 027	17, 854	4.
75.0	75.0	3, 667	3, 536	10, 339	10, 055	46, 432	43, 844	9, 716	7, 958	5.
70.4	70.7	9, 454	9, 579	32, 765	30, 848	109, 331	108, 641	26, 749	24, 017	6.
84.3	77.7	1, 869	1, 949	1, 599	3, 175	21, 297	21, 614	3, 950	3, 552	7.
75.1	72.9	49, 399	53, 493	114, 469	142, 243	557, 434	590, 593	89, 847	82, 604	Northwestern.
77.9	76.7	9, 784	9, 608	20, 258	23, 229	108, 330	111, 418	25, 183	23, 679	1.
81.9	73.4	8, 870	10, 239	14, 073	29, 119	127, 804	136, 226	19, 213	18, 001	2.
81.2	85.0	1, 327	1, 302	2, 679	1, 858	20, 071	20, 607	4, 648	4, 190	3.
66.5	65.7	9, 046	10, 208	29, 203	31, 294	94, 405	103, 980	12, 717	11, 565	4.
72.7	72.4	2, 964	2, 968	8, 603	9, 096	30, 711	41, 473	5, 094	4, 939	5.
71.0	69.9	8, 907	9, 688	22, 593	25, 089	75, 463	81, 725	11, 773	10, 733	6.
76.2	78.2	2, 389	2, 245	2, 931	2, 143	22, 710	23, 451	3, 752	3, 339	7.
71.2	70.3	76, 998	75, 296	200, 639	217, 132	771, 226	814, 327	169, 514	155, 246	Central Western.
69.2	69.2	17, 856	15, 923	45, 894	47, 554	150, 944	153, 930	38, 279	34, 984	1.
73.5	73.6	1, 233	1, 202	2, 734	2, 751	19, 444	20, 102	6, 189	5, 993	2.
71.6	70.1	11, 677	11, 192	28, 143	32, 612	118, 497	126, 953	22, 059	19, 715	3.
73.9	73.6	7, 653	8, 054	21, 927	22, 306	99, 556	103, 184	21, 866	19, 260	4.
75.7	73.6	2, 380	2, 300	6, 391	7, 095	26, 438	27, 041	4, 090	3, 927	5.
67.9	65.6	3, 275	3, 444	9, 937	8, 574	29, 151	31, 877	4, 210	3, 044	6.
70.5	70.3	17, 636	17, 597	45, 303	46, 020	154, 036	150, 487	40, 686	38, 846	7.
64.0	63.7	8, 673	8, 591	27, 575	31, 072	88, 166	96, 870	15, 581	14, 987	8.
75.7	72.1	24, 862	28, 847	84, 834	105, 236	423, 615	439, 937	66, 943	59, 470	Southwestern.
72.9	71.1	1, 435	1, 817	5, 960	5, 293	29, 682	24, 080	2, 859	2, 382	1.
60.3	62.6	2, 458	2, 464	9, 378	10, 543	28, 043	29, 874	3, 958	3, 350	2.
76.3	79.7	673	510	2, 322	1, 661	15, 319	15, 389	3, 854	3, 418	3.
79.2	75.3	4, 769	5, 813	16, 899	21, 348	100, 783	107, 388	14, 653	13, 553	4.
68.8	69.1	4, 811	5, 082	22, 045	20, 660	64, 305	63, 923	13, 075	11, 485	5.
81.2	78.6	2, 982	3, 927	6, 120	8, 875	46, 075	53, 589	10, 292	10, 862	6.
73.9	63.0	1, 839	2, 246	6, 498	10, 446	30, 596	41, 694	5, 694	5, 971	7.

Source: Interstate Commerce Commission.

No. 445.—REVENUE FREIGHT CARRIED, BY CLASSES OF COMMODITIES: CLASS I CARRIERS

NOTE.—The classification was changed in 1920, but comparable figures for earlier years for many commodities appear in Table 245, Statistical Abstract, 1921. See headnote, Table 446

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1928 (thousands of tons of 2,000 pounds)			
	All districts									1928			Eastern district	South-ern district	West-ern district
	1920	1922	1923	1924	1925	1926	1927	1928	Eastern district	South-ern district	West-ern district				
Grand total, carload and l. c. l.	1,255,421	1,028,745	1,279,030	1,187,298	1,247,242	1,336,142	1,281,811	1,265,943	545,968	294,173	445,802	1,238,607	427,027	695,989	
Grand total, carload traffic	1,202,219	980,516	1,234,692	1,146,747	1,208,655	1,296,951	1,243,171	1,245,989	527,779	286,892	434,313	1,205,678	414,126	678,556	
Products of agriculture, total	110,840	111,787	109,318	116,587	109,313	111,787	113,543	118,022	21,451	14,389	32,282	88,913	52,625	123,943	
Wheat	23,131	24,805	23,091	27,444	21,548	24,379	26,237	26,950	2,632	648	23,670	6,731	2,025	30,095	
Corn	12,689	19,275	15,151	14,833	12,680	13,927	13,162	17,045	3,425	1,987	11,633	7,605	3,424	15,927	
Oats	8,615	7,646	8,332	8,507	8,450	6,496	5,518	5,888	1,572	882	3,434	3,985	1,730	4,839	
Other grain	5,669	5,245	4,739	5,606	4,564	4,014	5,212	5,509	469	116	4,921	1,953	424	6,469	
Flour and meal	10,952	10,694	10,518	10,331	9,901	10,137	10,027	10,753	2,644	844	7,265	10,923	3,093	10,628	
Other mill products	8,891	9,000	10,002	10,085	9,578	9,768	10,178	10,581	3,105	1,232	6,244	9,223	3,065	9,017	
Hay, straw, and alfalfa	7,957	5,723	5,965	5,802	5,506	5,028	4,467	3,999	1,562	213	2,224	3,077	1,279	2,998	
Tobacco	1,081	882	1,099	1,070	1,038	1,010	1,053	945	116	1797	132	11,258	141	141	
Cotton	3,379	3,673	2,887	3,259	4,127	4,482	4,130	3,773	122	1,326	2,325	1,331	2,976	3,923	
Cottonseed and products, except oil	4,573	3,546	3,574	4,598	5,349	6,484	6,046	4,984	21	2,217	2,746	502	3,191	3,833	
Citrus fruits	1,404	1,141	1,542	1,650	1,363	1,533	1,750	1,543	34	582	927	1,663	1,622	3,280	
Other fresh fruits	5,271	5,063	5,249	5,114	5,910	6,321	5,648	6,401	1,106	1,519	3,776	6,403	3,459	10,168	
Potatoes	4,118	4,829	4,698	4,591	4,614	4,539	4,727	4,511	1,799	2,520	2,192	2,633	2,655	2,510	
Other fresh vegetables	2,205	2,324	2,473	2,685	2,828	2,800	3,083	3,124	737	584	1,803	3,582	1,748	5,694	
Dried fruits and vegetables	1,165	1,154	1,135	1,438	1,533	1,568	1,527	1,878	433	97	1,348	1,276	346	2,609	
Other products of agriculture	9,741	7,886	8,863	9,524	9,824	9,501	10,526	10,141	1,674	725	7,742	3,574	1,400	9,289	
Animals and products, total	26,936	26,230	26,254	27,747	26,324	26,244	26,003	25,694	6,025	1,985	17,694	18,119	4,101	23,504	
Horses and mules	491	491	603	531	544	513	541	577	47	106	424	118	211	602	
Cattle and calves	9,809	9,567	9,400	9,315	9,330	9,240	8,634	7,977	886	574	6,517	2,070	786	8,781	
Sheep and goats	1,344	1,159	1,159	1,215	1,224	1,270	1,297	1,361	159	62	1,140	384	75	1,858	
Hogs	5,421	5,795	6,944	6,707	5,502	5,272	5,369	5,871	1,156	443	4,272	2,320	531	4,941	
Fresh meats	2,720	2,614	3,023	3,000	2,904	2,996	2,987	2,985	889	205	1,841	3,871	658	2,180	
Other packing-house products	2,206	2,049	2,396	2,395	2,139	2,022	1,957	2,203	982	239	982	2,513	933	1,449	
Poultry	264	292	366	376	357	409	407	406	62	50	294	849	99	417	
Eggs	536	565	597	572	591	644	631	635	117	51	467	955	129	728	
Butter and cheese	425	507	571	648	686	725	747	754	136	28	590	1,103	121	774	
Wool	293	360	291	294	263	281	356	394	247	5	142	698	17	268	
Hides and leather	1,051	1,031	1,090	1,026	1,026	985	1,010	915	528	109	278	1,526	244	447	
Other animals and products	1,540	1,750	1,814	1,663	1,758	1,887	2,049	1,606	816	113	677	1,712	227	1,059	

Products of mines, total.....	712, 154	532, 993	713, 735	637, 532	678, 336	757, 793	713, 492	696, 533	309, 508	203, 635	192, 440	710, 562	252, 476	271, 447
Anthracite coal.....	78, 100	43, 321	82, 342	76, 108	53, 260	76, 015	72, 176	69, 997	69, 347	67	5, 633	114, 056	243	1, 363
Bituminous coal.....	284, 243	287, 617	360, 641	320, 367	346, 346	353, 736	361, 551	346, 057	140, 069	160, 649	45, 339	415, 369	193, 111	87, 321
Coke.....	23, 895	15, 407	27, 871	18, 023	19, 793	22, 193	16, 164	16, 241	12, 765	1, 566	1, 910	20, 476	2, 397	3, 248
Iron ore.....	84, 433	54, 457	77, 817	55, 351	72, 134	66, 355	65, 684	2, 859	2, 859	2, 496	63, 329	41, 833	3, 202	64, 604
Other ores and concentrates.....	21, 550	7, 953	10, 491	16, 504	12, 289	13, 039	11, 335	11, 838	1, 627	504	9, 707	4, 323	1, 224	17, 269
Clay, gravel, sand, and stone.....	98, 720	102, 933	133, 934	136, 630	145, 405	157, 255	161, 772	128, 304	46, 207	23, 232	53, 775	63, 446	36, 392	35, 651
Crude petroleum.....	6, 435	5, 637	8, 403	8, 412	11, 245	10, 744	10, 531	7, 633	98	120	7, 415	1, 331	261	14, 752
Asphaltum.....	1, 424	1, 900	2, 102	2, 517	2, 531	3, 101	3, 170	2, 899	1, 598	704	597	3, 282	1, 608	1, 525
Salt.....	3, 250	3, 245	3, 393	3, 303	3, 403	3, 233	3, 251	3, 341	1, 659	30	1, 652	4, 204	1, 136	3, 292
Other products of mines.....	6, 997	4, 726	5, 741	5, 847	6, 925	7, 319	7, 094	41, 539	24, 279	9, 177	8, 133	42, 242	12, 402	11, 922
Products of forests, total.....	100, 786	89, 059	115, 918	108, 094	107, 391	104, 851	99, 351	96, 737	11, 151	29, 773	55, 808	48, 929	49, 672	88, 746
Logs, posts, poles, and cordwood.....	33, 571	35, 627	47, 178	45, 551	45, 423	45, 163	41, 676	39, 541	2, 413	7, 393	29, 235	5, 213	9, 567	33, 073
Ties.....	5, 472	3, 761	6, 681	5, 508	4, 292	4, 833	5, 338	4, 240	809	1, 821	2, 063	2, 063	2, 283	2, 679
Pulp wood.....	4, 992	3, 931	5, 367	5, 603	5, 826	5, 943	6, 939	6, 893	2, 000	947	3, 946	4, 548	1, 569	5, 982
Lumber, timber, shooks, staves, headings.....	48, 613	43, 507	53, 540	48, 612	49, 019	46, 062	42, 846	42, 508	4, 612	17, 872	20, 024	33, 568	34, 061	45, 733
Other forest products.....	3, 112	2, 233	2, 852	2, 820	2, 326	2, 850	2, 501	3, 555	1, 317	1, 456	782	3, 537	2, 192	1, 261
Manufactures and miscellaneous, total.....	251, 884	220, 442	267, 787	256, 377	235, 291	296, 066	291, 073	312, 013	193, 644	37, 205	88, 184	359, 155	75, 193	170, 919
Refined petroleum and its products.....	29, 616	30, 370	36, 641	41, 298	46, 273	43, 938	51, 661	58, 480	20, 825	6, 038	31, 617	41, 566	13, 938	59, 415
Vegetable oils.....	935	937	969	1, 150	1, 446	1, 621	1, 593	1, 561	362	395	304	1, 144	807	1, 477
Sugar, sirup, glucose, and molasses.....	5, 664	5, 691	4, 891	5, 407	5, 700	5, 744	5, 582	5, 605	1, 626	2, 959	3, 829	2, 367	6, 018	
Iron, pig, and bloom.....	16, 451	9, 991	14, 966	12, 071	14, 577	15, 132	11, 458	8, 033	4, 993	1, 333	4, 702	4, 616	1, 662	4, 560
Rails and fastenings.....	3, 047	2, 378	3, 192	2, 471	2, 646	2, 875	2, 595	2, 551	3, 1925	5, 289	5, 297	5, 297	5, 664	5, 212
Bar, sheet, and structural iron and pipe.....	27, 443	22, 162	30, 141	24, 800	29, 144	30, 568	31, 878	45, 461	40, 114	2, 277	3, 070	68, 206	5, 662	12, 341
Other metals, pig, bar, and sheet.....	5, 170	4, 337	5, 330	4, 904	5, 419	5, 604	2, 838	2, 648	1, 026	40	1, 582	4, 121	257	4, 316
Castings, machinery, and boilers.....	9, 391	4, 214	5, 936	4, 930	5, 359	5, 772	5, 176	3, 772	2, 619	7, 249	7, 904	5, 694	7, 956	2, 135
Cement.....	15, 490	18, 453	21, 118	22, 970	24, 516	24, 921	25, 859	26, 030	12, 680	3, 696	9, 804	26, 718	6, 705	15, 167
Brick and artificial stone.....	15, 251	15, 640	18, 798	18, 165	19, 863	20, 337	19, 556	19, 019	11, 367	3, 529	4, 123	19, 771	5, 445	7, 228
Lime and plaster.....	4, 410	5, 199	5, 896	6, 098	6, 530	6, 642	6, 092	5, 300	2, 992	632	1, 676	6, 192	1, 545	3, 223
Sewer pipe and drain tile.....	2, 165	2, 033	2, 220	2, 281	2, 423	2, 387	2, 712	2, 556	1, 548	355	573	2, 944	662	1, 069
Agricultural implements and vehicles other than automobiles.....	3, 324	1, 720	2, 603	2, 158	2, 281	2, 304	3, 118	2, 304	806	183	1, 315	1, 758	445	2, 453
Automobiles and autotricks.....	3, 427	4, 160	6, 612	6, 061	6, 930	7, 337	6, 324	3, 016	6, 713	294	1, 009	14, 901	1, 373	4, 937
Furniture (new).....	743	692	832	837	970	987	1, 004	1, 063	453	297	308	1, 335	621	813
Beverages.....	1, 240	614	654	633	841	760	804	813	391	61	451	644	124	652
Ice.....	5, 735	5, 153	5, 070	4, 490	4, 923	4, 145	4, 062	3, 922	2, 123	323	1, 471	2, 589	361	1, 528
Fertilizers (all kinds).....	9, 204	6, 313	7, 639	7, 315	8, 463	8, 197	10, 465	12, 850	4, 502	5, 684	2, 373	7, 672	8, 739	3, 654
Paper, printed matter, and books.....	8, 144	2, 765	2, 913	3, 051	3, 223	3, 441	3, 322	3, 303	2, 514	3, 137	3, 837	4, 416	2, 327	2, 327
Chemicals and explosives.....	8, 333	7, 545	9, 030	8, 423	9, 579	10, 034	9, 116	2, 979	1, 464	707	898	2, 426	1, 302	1, 172
Textiles.....	805	733	933	936	966	933	785	937	326	434	177	1, 040	932	410
Canned goods (all canned food products).....	3, 074	3, 196	3, 435	3, 740	4, 144	4, 070	4, 204	4, 805	2, 070	264	2, 471	5, 359	804	4, 861
Other manufactures and miscellaneous.....	77, 314	65, 925	77, 849	72, 292	78, 807	83, 217	80, 447	89, 046	64, 290	8, 758	16, 898	120, 892	18, 736	32, 851
Merchandise—All l. c. i. freight.....	53, 292	48, 229	44, 338	40, 549	40, 537	39, 491	38, 440	36, 954	18, 189	7, 281	11, 464	32, 928	12, 901	17, 431

RAILROADS

415

¹ Leaf tobacco only; refuse, stems, etc., included in "Other products of agriculture."
² Potatoes, except sweet.
³ Gravel, sand, and stone.

⁴ Pig iron only.
⁵ Includes frogs and switches.
⁶ Iron and steel (5th and 6th class), tin andterne plate, and cast-iron and steel pipes and fittings.

⁷ Machinery and boilers only.
⁸ Printing paper only.

Source: Interstate Commerce Commission.

No. 446.—REVENUE FREIGHT CARRIED, BY COMMODITY GROUPS

NOTE.—All figures in thousands of tons of 2,000 pounds. Data relate to years ended June 30 prior to 1916, to calendar years thereafter. Switching and terminal roads excluded since 1908. Figures for 1911 to 1916, inclusive, exclude Class III roads but this affects the comparability very slightly; those after 1910 exclude both Class II and Class III, thereby reducing the grand total about 6 per cent. Nonrevenue freight is excluded; this is a large item in the case of a few commodities, notably coal

Class of road and year or yearly average	Total	Prod-ucts of agri-culture	Anim-als and prod-ucts	Products of mines		Prod-ucts of forests	Manufactures and miscella-neous	
				Coal and coke	Other		Carload ship-ments	Less than car-load
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1901-1905.....	1 691, 121	50, 406	14, 608	237, 753	85, 503	72, 786	119, 707	27, 890
1906-1910.....	1 930, 255	73, 894	20, 000	324, 282	147, 864	98, 870	192, 225	33, 001
1911-1915 ²	1 1, 053, 048	99, 095	25, 731	392, 808	192, 058	101, 143	181, 191	41, 914
1915 ²	1 1, 005, 029	113, 040	26, 660	371, 882	184, 700	93, 971	163, 988	48, 163
1916 ²	1 1, 293, 091	116, 867	31, 204	401, 608	276, 543	111, 850	239, 849	54, 420
Class I:								
1916.....	1 1, 293, 307	113, 635	30, 473	429, 751	250, 342	93, 819	231, 098	52, 911
1917.....	1 204, 016	104, 629	31, 858	481, 032	251, 021	109, 838	240, 269	63, 760
1918.....	1 263, 344	114, 051	35, 777	500, 760	234, 027	97, 256	226, 077	63, 387
1919.....	1 1, 086, 111	115, 093	35, 494	399, 072	190, 870	94, 076	210, 266	51, 302
1920.....	1 265, 421	110, 840	28, 505	489, 344	222, 810	109, 708	251, 864	59, 202
1921.....	1 940, 183	114, 069	24, 263	376, 220	135, 050	76, 419	172, 169	41, 992
1922.....	1 1, 023, 745	111, 787	26, 230	351, 846	181, 152	89, 059	220, 442	49, 229
1923.....	1 279, 030	109, 318	28, 254	471, 854	241, 581	115, 613	267, 767	44, 333
1924.....	1 187, 296	116, 587	27, 747	414, 499	223, 083	108, 094	256, 737	40, 549
1925.....	1 247, 242	109, 313	26, 324	424, 403	253, 933	107, 391	285, 291	40, 587
1926.....	1 336, 142	111, 787	26, 243	486, 944	270, 759	104, 851	296, 007	39, 491
1927.....	1 281, 611	113, 842	26, 003	449, 891	263, 511	99, 351	291, 073	38, 440
1928.....	1 285, 943	118, 022	25, 634	432, 266	264, 287	96, 737	312, 013	36, 954
Eastern district:								
1925.....	531, 308	23, 431	5, 844	215, 344	79, 360	11, 941	175, 860	19, 473
1926.....	580, 200	23, 060	5, 777	258, 428	78, 472	11, 407	183, 282	18, 794
1927.....	541, 075	23, 168	5, 843	228, 161	78, 974	10, 751	175, 775	18, 403
1928.....	545, 968	21, 451	6, 024	222, 180	78, 328	11, 151	188, 643	18, 191
Southern district:								
1925.....	281, 716	14, 666	1, 957	152, 694	35, 574	33, 343	34, 590	8, 562
1926.....	310, 579	15, 157	1, 936	172, 052	42, 927	32, 752	36, 694	8, 461
1927.....	308, 893	14, 593	2, 064	172, 068	41, 205	32, 249	37, 894	8, 220
1928.....	294, 173	14, 288	1, 985	162, 283	41, 352	29, 778	37, 206	7, 281
Western district:								
1925.....	434, 218	71, 166	18, 523	56, 365	138, 999	62, 107	74, 541	12, 517
1926.....	445, 363	72, 680	18, 530	55, 864	149, 360	60, 602	76, 091	12, 636
1927.....	431, 643	75, 581	18, 096	49, 062	143, 332	56, 351	77, 404	11, 517
1928.....	445, 802	82, 283	17, 625	47, 833	144, 007	55, 808	86, 164	11, 482
II. TOTAL REVENUE FREIGHT³								
All roads:								
1901-1905.....	1 266, 314	125, 234	34, 500	419, 764	150, 474	122, 927	231, 259	51, 468
1906-1910.....	1 1, 073, 431	150, 384	38, 769	589, 384	228, 563	168, 029	314, 007	59, 277
1911-1915 ²	1 1, 881, 635	193, 252	44, 194	712, 193	284, 499	183, 292	356, 669	71, 347
Class I:								
1916-1920.....	1 2, 212, 267	225, 505	55, 199	826, 912	349, 783	193, 436	466, 202	93, 550
1921-1925.....	2 068, 262	221, 961	46, 065	757, 498	316, 014	192, 256	465, 097	65, 671
1925.....	2 304, 276	215, 124	46, 315	823, 354	388, 600	210, 077	552, 544	68, 201
1926.....	2 465, 369	223, 924	47, 023	926, 864	414, 723	204, 730	579, 830	68, 225
1927.....	2 363, 639	221, 384	46, 696	871, 713	400, 591	192, 774	564, 643	65, 838
1928.....	2 361, 623	225, 550	45, 724	838, 055	396, 400	187, 347	605, 256	63, 261
Eastern district:								
1925.....	1 208, 296	72, 062	17, 788	538, 708	158, 066	55, 631	330, 948	35, 093
1926.....	1 300, 242	73, 474	18, 083	617, 234	165, 393	53, 456	346, 586	35, 016
1927.....	1 237, 069	72, 361	18, 021	569, 139	160, 416	50, 210	334, 034	33, 482
1928.....	1 238, 607	68, 913	18, 119	549, 901	100, 661	48, 929	359, 155	32, 929
Southern district:								
1925.....	423, 769	33, 984	4, 238	187, 454	52, 695	57, 457	73, 704	14, 237
1926.....	461, 263	34, 951	4, 337	211, 599	60, 998	56, 026	78, 801	14, 491
1927.....	449, 753	33, 155	4, 414	210, 676	57, 262	53, 709	76, 291	14, 256
1928.....	427, 027	32, 695	4, 101	196, 752	50, 724	49, 672	75, 182	12, 001
Western district:								
1925.....	672, 210	109, 078	24, 289	97, 192	177, 899	96, 989	147, 802	18, 871
1926.....	694, 864	115, 409	24, 603	98, 021	188, 322	95, 308	154, 383	18, 718
1927.....	676, 217	115, 808	24, 261	91, 898	182, 933	88, 549	164, 318	18, 100
1928.....	695, 989	123, 942	23, 504	92, 432	179, 015	88, 746	170, 919	17, 431

¹ Includes some undistributed freight. ² Excluding Class III. ³ Including receipts from connecting lines. Source: Interstate Commerce Commission.

No. 447.—CAR LOADINGS: AVERAGE WEEKLY LOADINGS OF REVENUE FREIGHT,
CLASS I RAILWAYS, BY PRINCIPAL COMMODITY GROUPS

NOTE.—Averages for earlier years [for all commodities are: 1916, 857,540; 1919, 804,472; 1920, 867,663; 1921, 756,215; 1922, 830,915; 1923, 957,925]

Month	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
	Total, all commodities					Grain and grain products				
Year.....	933,354	985,080	1,021,131	992,996	991,860	49,436	44,341	45,449	45,745	43,290
January.....	841,162	889,895	921,674	939,165	861,931	43,113	49,323	47,094	44,747	46,799
February.....	904,232	914,080	919,333	950,480	897,424	40,255	44,623	42,766	43,408	40,761
March.....	924,762	908,435	960,349	906,509	950,400	44,448	38,495	30,812	39,061	47,453
April.....	881,724	931,920	958,201	908,807	934,574	36,637	33,289	37,518	37,131	39,783
May.....	913,294	965,073	1,036,455	1,027,118	1,001,614	39,976	36,698	39,964	39,738	40,778
June.....	884,370	971,446	1,022,335	909,171	984,661	37,380	36,625	39,314	40,205	34,447
July.....	886,632	978,528	1,042,762	978,440	985,733	42,471	40,341	54,754	46,477	51,794
August.....	965,797	1,060,654	1,097,030	1,062,462	1,057,702	58,942	53,681	55,337	56,084	57,795
September.....	1,020,185	1,075,337	1,130,778	1,097,621	1,117,257	67,089	63,064	49,079	58,239	59,156
October.....	1,094,002	1,113,406	1,193,515	1,110,218	1,175,199	69,097	47,994	61,852	64,813	64,824
November.....	1,024,104	1,065,416	1,082,008	955,726	1,061,257	58,052	48,484	43,687	45,641	52,389
December.....	870,804	924,708	898,073	835,055	882,756	47,326	50,888	42,069	44,022	48,410
	Livestock					Coal				
Year.....	33,712	31,454	30,096	29,749	29,233	104,132	171,257	190,996	177,562	168,642
January.....	36,236	36,523	33,479	32,330	31,914	194,906	202,662	187,445	222,743	177,529
February.....	33,136	32,054	28,231	27,687	32,601	191,988	180,812	174,564	213,204	170,360
March.....	31,436	28,163	28,374	27,255	28,677	171,966	151,868	181,477	204,142	162,992
April.....	29,178	27,465	27,055	27,555	26,286	129,576	139,779	164,169	164,326	145,128
May.....	31,623	27,808	27,788	28,846	26,715	134,526	153,933	168,237	161,636	167,556
June.....	29,948	28,948	26,871	26,935	25,187	135,654	154,308	171,063	161,017	145,021
July.....	29,159	26,515	26,796	26,488	22,730	138,737	161,905	176,000	144,240	142,908
August.....	29,982	29,324	29,261	28,074	24,736	150,238	101,202	190,556	173,988	162,376
September.....	35,679	31,547	36,775	31,750	32,882	172,835	179,902	199,114	183,028	180,483
October.....	40,607	41,603	40,049	39,578	38,685	193,401	182,671	225,771	190,665	206,575
November.....	41,486	37,828	34,578	33,642	33,400	185,272	189,796	235,060	190,253	197,385
December.....	36,082	32,179	29,091	28,809	27,782	175,869	173,135	213,938	164,385	177,524
	Coke					Ore				
Year.....	9,069	11,987	13,142	10,547	10,237	32,260	39,695	41,907	36,389	36,686
January.....	11,883	13,502	17,966	12,176	10,659	8,260	9,908	9,879	9,461	7,934
February.....	12,729	13,277	17,992	12,361	11,204	9,392	10,610	10,196	10,688	7,848
March.....	13,729	12,686	14,371	12,303	10,875	10,749	11,477	10,544	10,920	8,572
April.....	11,564	11,465	12,507	11,447	10,118	16,817	20,736	15,042	25,473	10,264
May.....	9,197	9,650	11,841	10,693	10,149	40,818	62,633	55,301	59,833	41,300
June.....	7,743	9,238	11,476	10,367	9,065	58,046	62,206	67,063	64,742	65,607
July.....	6,980	9,143	11,272	9,669	8,813	55,980	62,683	72,788	63,093	62,517
August.....	6,980	9,626	11,464	9,691	9,229	61,589	62,863	77,001	62,183	63,271
September.....	8,086	10,990	12,174	9,780	10,067	47,768	59,100	75,196	58,897	63,916
October.....	9,697	12,849	13,023	9,447	10,725	44,613	53,008	67,666	48,046	60,247
November.....	9,910	15,495	12,832	9,067	10,734	23,957	38,165	32,078	19,291	37,910
December.....	11,229	15,671	11,777	9,597	10,566	10,169	12,411	9,564	8,870	10,414
	Forest products					Miscellaneous and L. C. L.				
Year.....	70,522	71,862	70,277	65,219	64,128	573,264	616,493	628,665	627,193	634,639
January.....	64,004	65,985	63,959	64,344	58,342	482,710	511,930	583,853	553,364	623,753
February.....	80,258	78,914	74,826	68,896	67,728	527,474	553,791	570,756	574,236	661,619
March.....	81,627	80,522	76,972	70,522	68,756	570,756	585,320	617,798	632,306	623,082
April.....	77,730	78,869	75,692	68,439	64,329	579,622	620,319	626,227	644,496	635,666
May.....	74,460	76,588	76,704	71,026	67,442	573,690	617,904	656,670	655,296	657,574
June.....	68,587	73,461	74,244	67,690	66,005	546,414	609,759	631,103	638,184	635,740
July.....	61,541	66,034	67,227	63,344	60,938	551,764	611,905	633,916	626,220	637,033
August.....	68,334	71,233	70,739	68,964	66,534	589,730	642,724	661,770	664,474	673,761
September.....	67,556	69,668	70,546	67,633	64,503	621,272	671,066	687,894	690,796	700,246
October.....	70,329	70,782	72,513	67,197	66,468	666,258	704,498	722,935	706,497	737,706
November.....	69,893	67,690	65,504	61,072	65,026	635,533	668,059	698,320	617,734	664,413
December.....	64,001	64,511	64,547	62,050	65,022	526,130	575,913	536,494	627,761	553,042

Source: American Railway Association.

No. 448.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to Table 440

Cause of accident	Killed					Injured				
	1916-1920, average	1921-1925, average	1926	1927	1928	1916-1920, average	1921-1925, average	1926	1927	1928
All accidents.....	3,682	6,618	7,090	6,821	6,509	176,693	141,688	130,235	104,799	85,531
Train accidents.....	684	394	360	286	272	6,467	4,409	3,916	3,072	2,673
Passengers.....	125	72	79	10	16	4,052	2,423	1,829	1,511	1,404
Employees.....	434	237	193	195	143	3,756	1,597	1,630	1,221	1,139
Other persons.....	125	85	88	81	113	659	389	457	340	330
Causes:										
Collisions.....		139	152	80	70		2,071	2,319	1,557	1,192
Passengers.....		37	33	6	5		1,172	1,233	807	577
Employees.....		89	107	65	53		764	877	549	498
Other persons.....		14	7	9	9		135	219	111	117
Derailments.....		197	141	122	129		2,109	1,362	1,271	1,496
Passengers.....		34	36	4	8		1,212	587	589	794
Employees.....		111	64	83	69		690	599	520	545
Other persons.....		52	41	35	52		208	176	162	167
Other causes.....		58	67	84	73		228	235	244	185
Passengers.....		2	5				39	19	25	43
Employees.....		35	22	47	21		143	154	152	96
Other persons.....		20	40	37	52		46	62	67	46
Train-service accidents.....	7,462	5,794	6,329	6,098	5,672	55,240	44,490	45,738	39,591	34,514
Passengers.....	179	100	73	69	67	3,368	3,155	2,632	2,375	2,055
Employees.....	2,002	1,083	1,181	1,039	895	42,003	31,503	32,572	26,639	22,640
Other persons.....	5,281	4,605	5,075	4,988	4,910	8,969	9,791	10,520	10,220	9,819
Causes:										
Coupling or uncoupling locomotives or cars.....		80	64	48	37		1,624	1,591	1,325	1,135
Coupling or uncoupling air hose.....		22	20	21	28		435	455	398	354
Operating locomotives.....		20	11	22	13		6,259	5,097	4,467	3,402
Operating hand brakes.....		30	29	32	25		2,090	2,474	2,158	1,836
Operating switches.....		2		1	1		965	1,142	802	684
Contact with fixed structures.....		60	67	71	45		836	700	625	521
Getting on or off cars or locomotives.....		484	447	428	368		9,125	9,361	7,810	6,729
Highway grade-crossing accidents.....		1,997	2,442	2,328	2,406		5,826	6,890	6,482	6,573
Struck or run over, not at public crossings.....		2,415	2,579	2,487	2,253		2,079	2,121	1,959	1,639
Miscellaneous.....		1,157	670	658	606		15,595	15,300	13,505	11,641
Nontrain accidents.....	516	430	401	439	365	112,096	92,860	80,588	62,199	48,174
Passengers.....	(¹)	24	3	3	2	(²)	394	688	674	568
Employees.....	419	329	301	332	289	110,865	90,630	77,701	60,060	46,467
Other persons.....	97	97	97	104	74	2,132	1,724	2,197	1,456	1,139

¹ Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents.

² Average for 1922 to 1924. Separate data not available for 1921.

³ No data available.

Source: Interstate Commerce Commission.

No. 449.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS

NOTE.—For various reasons, including the fact that returns were required under different acts, the statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of \$150 or any damage and a resulting casualty. Thereafter they were considered as such when the damage exceeded \$150 with or without a casualty. Where the damage is less than \$150 and there is a reportable casualty it is classified as a train-service accident. Figures for years 1911–1915 include industrial and other nontrain accidents to employees only, and for years 1908–1910 do not cover switching and terminal roads. Otherwise the statement covers all reportable accidents

Yearly average or year ended—	Total		Passengers		Employees		Other persons		Trespassers ¹	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1891–1895	6,821	35,313	292	2,967	2,315	27,051	4,214	5,294		
1896–1900	6,946	42,248	222	3,237	2,054	32,793	4,670	6,219		
1901–1905	9,328	72,943	392	7,894	3,249	57,209	6,686	7,840		
1906	10,618	97,706	359	10,794	3,929	76,701	6,330	10,241		
1907	11,839	111,016	610	13,041	4,534	87,044	6,095	10,331		
1908	10,188	104,230	381	11,556	3,405	82,437	6,402	10,187		
1909	8,722	95,625	253	10,311	2,610	75,006	5,869	10,309		
1910	9,682	119,507	324	12,451	3,332	95,671	5,976	11,385		
1911	10,396	150,159	209	12,042	3,602	126,039	6,495	12,073		
1912	10,585	169,538	288	14,938	3,635	142,442	6,667	12,158		
1913	10,064	200,308	350	15,130	3,715	171,417	6,899	13,761		
1914	10,302	192,662	232	13,887	3,259	165,212	6,811	13,563		
1915	8,621	162,040	199	10,914	2,162	138,092	6,270	13,034		
Dec. 31:										
1916	10,001	196,722	246	7,152	2,941	176,923	6,814	12,647		
1917	10,087	194,805	301	7,582	3,199	174,247	6,587	12,976		
1918	9,286	174,575	471	7,310	3,419	156,013	5,398	11,246		
1919	6,978	149,053	273	7,456	2,138	131,018	4,567	10,579		
1920	6,958	168,309	229	7,591	2,678	149,414	4,151	11,304		
1921	6,996	120,685	205	5,534	1,448	104,530	4,345	10,571		
1922	6,325	134,871	208	6,712	1,657	117,197	1,967	7,834	2,498	3,128
1923	7,385	171,712	143	6,463	2,026	152,675	2,397	9,279	2,819	3,202
1924	6,617	143,739	153	6,023	1,543	126,319	2,300	9,263	2,621	3,129
1925	6,766	137,435	176	5,643	1,609	119,224	2,347	6,640	2,044	2,028
1926	7,090	130,235	155	5,140	1,672	111,603	2,040	10,387	2,023	2,706
1927	6,821	104,799	82	4,560	1,566	88,223	2,619	9,920	2,054	2,096
1928	6,509	86,561	85	4,027	1,327	70,246	2,718	8,652	2,379	2,636

¹ Trespassers included with "other persons" prior to 1922.

No. 450.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS

NOTE.—Rails and ties laid in new construction are not included

	All districts			1927		
	1925	1926	1927	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite coal.....1,000 tons..	2,174	2,005	1,608	1,608		
Bituminous coal.....do.....	117,714	122,823	115,883	55,581	28,100	34,202
Fuel oil ¹.....1,000 gallons..	2,457,827	2,450,678	2,420,936	11,802	49,550	2,368,584
Hardwood ².....cords.....	27,784	30,581	27,294	9,916	10,914	494
Softwood ¹.....do.....	82,908	74,240	67,394	19,638	2,600	45,156
Total, coal equivalent ³.....1,000 tons..	136,420	140,426	132,945	57,974	28,409	49,283
Rails laid in replacement and betterment:						
Total tonnage.....1,000 long tons..	3,485	3,818	3,819	1,692	752	1,405
Total charges ⁴.....1,000 dollars..	126,487	139,899	138,732	57,351	28,000	53,381
Ties laid in previously constructed tracks:						
Crossties.....thousands.....	82,717	80,745	78,340	21,013	17,386	39,941
Switch and bridge ties.....1,000 board feet..	282,630	275,972	269,997	95,945	60,114	103,938
Total charges ⁴.....1,000 dollars..	120,044	117,532	117,871	43,004	23,871	50,996

¹ The ratio of fuel oil to coal is based upon the experience of the various roads; 1 cord of hardwood equals two-thirds ton of coal; 1 cord of softwood equals one-half ton of coal.

² Totals include equivalent of a small amount of miscellaneous fuel.

³ The total charges shown do not include the labor cost of applying the rails or ties.

⁴ Figures do not include data for 1,435 linear feet of steel ties in 1925, and 460 in 1926.

Source of Tables 449 and 450: Interstate Commerce Commission.

No. 451.—EXPRESS COMPANIES: INCOME ACCOUNT

NOTE.—Mileage covered by operations of express companies, 1928: Total, 260,076; steam road, 232,748; electric line, 2,930; steamboat line, 24,290; airplane, 7,748; stage line, 1,360. Of the total, the American Railway Express Co. operates 258,766 miles and the Southeastern Express Co. 10,310 miles

[All figures in thousands of dollars]

Calendar year	Receipts for transportation	Paid for express privileges	Total operating revenues ¹	Operating expenses	Net operating revenues	Express taxes	Operating income ²	Other income	Net income ³
American Railway Express Co.:									
1920	333,890	141,820	195,665	234,810	⁴ 59,144	2,182	⁴ 41,964	2,076	⁴ 59,856
1921	294,664	113,491	184,897	182,265	2,631	2,095	608	2,074	2,309
1922	291,349	142,323	152,503	149,142	3,361	2,214	1,108	1,956	2,774
1923	309,579	165,736	167,444	154,446	2,998	2,138	834	1,851	2,460
1924	287,281	139,907	150,640	147,447	3,193	2,102	1,045	1,458	2,282
1925	290,303	143,882	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1926	294,519	147,812	150,097	146,825	3,272	2,143	1,110	1,237	2,318
1927	284,513	139,494	148,730	145,467	3,263	2,197	1,050	1,204	2,207
1928	281,545	141,288	143,877	140,675	3,202	2,038	1,146	1,216	2,321
Southeastern Express Co.:									
1921 ⁵	4,374	1,649	2,781	2,719	61	25	37	10	47
1922	7,103	3,320	3,880	3,750	130	79	50	20	70
1923	7,866	3,877	4,097	3,908	189	88	99	24	123
1924	7,910	3,755	4,266	4,102	163	109	51	19	70
1925	8,041	3,912	4,241	4,086	155	86	67	20	87
1926	8,267	4,021	4,357	4,196	161	83	76	24	100
1927	8,176	3,971	4,342	4,188	154	88	62	25	90
1928	7,870	3,738	4,268	4,126	142	100	40	30	70

¹ Includes revenues from sources other than transportation.

² Deducting, besides taxes, a small amount of uncollectible revenue.

³ Sum of two preceding columns less small deductions.

⁴ Deficit.

⁵ Result of operations for eight months ended Dec. 31, 1921.

No. 452.—THE PULLMAN CO.: ABSTRACT OF OPERATIONS

[All money figures in thousands of dollars]

Year ended—	Gross revenues, car operations	Association revenues, debtor	Contract revenues, debtor ¹	Expenses, car operations		Net revenues, car operation	Operating income	Revenue passengers carried	
				Total	Conducting car operations			Thousands	Number per car day
June 30:									
1910	35,334	66	893	23,062	(?)	11,372	13,151	20,203	14
1911	35,698	508	1,517	25,917	10,683	9,781	10,471	21,655	12
1912	37,000	486	1,419	26,258	11,119	10,832	11,788	22,915	12
1913	40,103	513	2,035	26,713	11,785	13,390	12,417	24,864	12
1914	41,499	491	1,969	28,116	12,376	13,393	12,270	26,189	12
1915	38,723	467	1,954	26,633	11,716	12,090	10,816	24,252	12
1916	43,347	487	3,289	28,836	12,762	14,511	13,017	26,782	12
Dec. 31:									
1916	44,203	482	2,694	30,879	13,467	13,324	11,745	27,866	12
1917	51,777	102	4,498	35,449	16,047	16,328	12,469	32,261	14
1918	49,967	—	3,918	40,593	20,202	9,374	7,763	28,751	13
1919	69,071	—	31	48,618	26,302	20,453	19,194	37,346	15
1920	72,124	—	13,155	61,031	30,805	11,098	9,304	39,255	16
1921	64,439	—	7,079	64,744	28,136	11,807	13,277	31,225	13
1922	65,582	—	8,379	53,020	26,022	12,553	8,540	31,743	13
1923	72,676	—	8,555	55,385	27,365	16,091	12,289	34,249	13
1924	72,758	—	9,075	61,609	30,023	11,149	7,755	34,086	12
1925	80,198	—	8,873	63,513	32,247	16,685	12,546	35,526	12
1926	81,834	—	9,463	68,204	35,009	13,630	9,565	36,073	11
1927	80,952	—	8,906	66,503	34,848	14,449	10,360	35,197	11
1928	80,846	—	8,604	66,656	34,935	14,190	10,938	33,924	11

¹ Represents amounts due other carriers under the provisions of definite contracts.

² Not separated.

³ Deficit.

Source of Tables 451 and 452: Interstate Commerce Commission.

No. 453.—ALASKAN GOVERNMENT RAILROAD TRAFFIC: ANALYSIS OF STATISTICS OF PASSENGER AND FREIGHT SERVICES, YEARS ENDED JUNE 30

	1927	1928		1927	1928
Road mileage operated— monthly average.....	543.7	543.7	FREIGHT TRAFFIC		
PASSENGER TRAFFIC					
Passenger train-miles ¹	29,919	38,598	Freight train-miles.....	99,295	97,341
Mixed train-miles.....	124,617	112,351	Mixed train-miles.....	124,617	112,351
Passenger car-miles, passenger trains ¹	29,919	38,598	Loaded cars, 1 mile, freight and mixed trains.....	1,628,507	1,569,705
Passenger car-miles, mixed trains.....	211,870	210,185	Empty cars, 1 mile, freight and mixed trains.....	923,468	961,050
Total revenue passengers carried.....	53,609	51,587	All cars, 1 mile.....	2,451,975	2,520,704
Revenue passengers carried 1 mile.....	3,028,300	3,859,509	Tons of revenue freight carried:		
Total passenger revenue.....	\$207,148	\$221,368	Coal.....	41,059	49,141
Average revenue per passenger per mile.....	\$0.05700	\$0.05736	Miscellaneous.....	41,857	47,836
			Tons of revenue freight carried 1 mile.....	16,939,211	19,712,037
			Total freight revenue.....	\$311,507	\$375,298
			Average revenue per ton per mile.....	\$0.04791	\$0.04440

¹ Motor miles.

Source: Department of the Interior.

No. 454.—ELECTRIC RAILWAYS: SUMMARY OF OPERATIONS

NOTE.—This table does not include the electric operations of steam railway companies. Many electric railway companies also engage in other operations, especially in the sale of current for light and power; wherever possible, such light and power business has been excluded, but for numerous companies this is impossible. No distinction can be made in the statistics between purely urban street railways and suburban and interurban lines. The insignificant amount of business still conducted by cable and animal traction is included, as well as some operations conducted by primarily electric railways by means of steam traction and gasoline engine cars. In the trackage statistics of this table, each track of a double or multiple line is counted separately.

	1890	1902	1907	1912	1917	1922
Number of companies.....	789	987	1,286	1,260	1,307	1,200
Miles of all track operated.....	3,123.02	22,576.99	34,381.51	41,064.82	44,835.37	43,031.86
Operated by:						
Electricity.....	1,261.97	21,901.53	34,037.64	40,308.39	44,676.51	43,789.08
Cable.....	488.31	240.69	61.71	56.41	45.32	45.90
Animal traction.....	5,061.44	259.10	136.11	57.52	11.16	4.02
Steam.....	711.30	169.61	105.06	76.34	41.03	1.06
Gasoline engine cars.....		² 6.06	40.99	60.16	55.61	³ 88.06
Gravity.....					5.74	5.74
Value of road and equipment (thousand dollars).....	389,357	2,167,634	3,637,669	4,596,563	5,136,442	5,058,762
Number of employees.....	70,764	140,769	221,429	282,461	294,826	300,523
Number of passenger cars.....	32,505	60,290	70,016	76,162	79,914	77,301
Revenue passengers, including pay transfer ⁴ (thousands).....	2,023,010	4,774,212	7,441,115	9,545,555	11,304,660	12,666,558
Operating revenues.....	\$90,617,211	\$247,553,909	\$418,187,858	\$567,511,704	\$709,825,092	\$1,016,719,032
Operating expenses.....	\$62,011,185	\$142,312,597	\$251,309,252	\$332,896,356	\$462,594,654	\$727,795,193
Operating ratio (per cent).....	68.4	57.5	60.1	58.7	63.8	71.6

¹ Includes companies maintaining separate organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1912 and 1907 these companies were treated as merged and not included in the number reported.

² Compressed air.³ Includes 1.23 miles operated by tractor.⁴ Not including motor-bus passengers.

Source: Bureau of the Census, Department of Commerce.

No. 455.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES

NOTE.—See headnote to Table 454

	All companies				Surface lines, 1922	Subway and elevated lines, 1922
	1907	1912	1917	1922		
Number of operating companies.....	945	975	943	858	351	
Miles of all track, total ¹	34, 408.56	41, 064.82	44, 885.37	43, 931.86	43, 073.93	857.93
First track (length of line).....	25, 547.19	30, 437.86	32, 547.58	31, 264.26	(?)	(?)
Second and other main tracks.....	6, 938.63	7, 806.76	8, 899.09	9, 100.07	(?)	(?)
Bldgs and turnouts.....	1, 917.69	2, 731.20	1, 918.16	2, 085.76	(?)	(?)
Car houses, yards, etc.....			1, 470.54	1, 481.77	(?)	(?)
Electric track with—						
Overhead trolley ²	32, 501.71	38, 968.06	42, 490.71	41, 417.91	*41, 387.18	*50.78
Third rail ³	1, 209.78	1, 306.13	1, 089.37	1, 089.11	*1, 005.55	*827.50
Conduit trolley.....	322.70	361.72	361.54	421.30	421.30	
Storage battery.....	3.00	64.67	112.04	37.61	37.61	
Gas-electric motor.....	22.50	88.81	24.43	40.11	40.11	
Number of cars, total.....	83, 641	94, 016	102, 603	99, 255	91, 159	8, 006
Passenger.....	70, 016	76, 162	79, 914	77, 301	69, 397	7, 904
Express, freight, baggage, and mail.....	5, 609	7, 794	11, 634	11, 406	11, 406	
Service cars.....	7, 956	10, 060	11, 155	10, 548	10, 359	192
Number of electric locomotives.....	117	277	357	404	404	
Horsepower of power-plant equipment, total.....	* 2, 519, 823	3, 661, 385	4, 200, 192	4, 110, 306	(?)	(?)
Steam turbines.....	535, 404	1, 402, 800	2, 322, 692	2, 556, 006	(?)	(?)
Other steam engines.....	* 1, 878, 123	1, 703, 088	1, 221, 223	827, 027	(?)	(?)
Internal-combustion engines.....	16, 335	24, 190	28, 294	32, 495	(?)	(?)
Water wheels and turbines.....	91, 961	471, 307	627, 083	408, 773	(?)	(?)
Kilowatt capacity of generators.....	1, 723, 416	2, 505, 319	2, 924, 779	2, 972, 334	(?)	(?)
Electric energy (1,000 kilowatt hours).....						
Generated.....		9, 020, 018	12, 187, 851	12, 405, 053	(?)	(?)
Generated.....	4, 759, 130	6, 002, 659	7, 240, 603	6, 473, 451	(?)	(?)
Purchased.....	(?)	3, 017, 359	4, 947, 348	5, 931, 802	(?)	(?)
Passengers carried, total (thousands).....	9, 533, 081	12, 135, 342	14, 506, 915	* 15, 331, 400	13, 586, 232	1, 745, 168
Revenue passengers, including pay transfer.....	7, 441, 115	9, 545, 555	11, 304, 661	12, 666, 558	10, 923, 274	1, 743, 284
Free-transfer passengers.....	1, 995, 658	2, 429, 918	3, 021, 188	2, 496, 670	2, 062, 958	1, 584
Free passengers.....	66, 308	165, 869	181, 116	168, 272		
Revenue car mileage, total (thousands).....	1, 617, 731	1, 921, 020	2, 130, 802	2, 124, 623	1, 821, 177	303, 346
Passenger.....	1, 639, 831	1, 885, 870	2, 087, 819	2, 088, 204	1, 764, 948	303, 346
Express, freight, and mail.....	33, 900	35, 750	51, 983	50, 229	50, 229	
Average number of revenue passengers:						
Per mile of all track ⁴	216, 322	232, 556	252, 323	283, 600	253, 842	2, 031, 065
Per passenger car hour.....	43.06	49.38	53.69	61.14	(?)	(?)
Revenue car hours, total (thousands).....	151, 330	190, 478	208, 087	201, 938		
Passenger.....	148, 678	187, 590	199, 053	197, 148		
Express, freight, and mail.....	2, 661	2, 888	4, 004	4, 092		
Salaries employees:						
Number.....	11, 700	23, 271	27, 151	30, 239	28, 867	1, 372
Salaries.....	\$12, 900, 466	\$20, 128, 786	\$33, 900, 674	\$57, 480, 091	\$54, 481, 024	\$3, 008, 067
Wage earners:						
Number.....	209, 729	259, 190	267, 675	270, 284	244, 277	26, 007
Wages.....	\$138, 081, 633	\$174, 702, 153	\$233, 330, 658	\$388, 191, 044	\$347, 203, 108	\$40, 937, 936
Conductors, motormen, and one-man car and bus operators—						
Number.....	115, 518	131, 321	136, 184	130, 628	126, 717	¹⁰ 3, 911
Wages.....	\$75, 705, 054	\$95, 451, 625	\$127, 222, 144	\$205, 235, 478	\$197, 131, 208	\$3, 107, 270
Other wage earners—						
Number.....	94, 211	127, 869	131, 491	139, 656	117, 560	22, 096
Wages.....	\$62, 376, 579	\$79, 310, 628	\$106, 108, 544	\$182, 952, 566	\$150, 071, 900	\$32, 830, 666

¹ Includes track lying outside the United States (1922 and 1917, 27.06 miles; 1912, 31.91; and 1907, 27.52 miles).

² Not shown separately.

³ Includes 20.96 miles in 1922 and 2.18 miles in 1917 operated by both overhead trolley and third rail.

⁴ Includes 0.60 mile operated by both overhead trolley and third rail.

⁵ Includes 857 units of 43,344 horsepower reported as auxiliary engines.

⁶ No data.

⁷ In addition there were 16,120,000 passengers carried by 370 motor busses operated by electric railway companies.

⁸ Exclusive of idle track and freight and switching roads.

⁹ Exclusive of guards on subway and elevated trains, who are classified under "All other wage earners."

Source: Bureau of the Census, Department of Commerce.

No. 456.—FINANCIAL STATISTICS OF ELECTRIC RAILWAYS

NOTE.—See headnote to Table 454

[All figures, except percentages, in thousands of dollars]

	All companies				Surface lines, 1922	Subway and elevated lines, 1922
	1907	1912	1917	1922		
INCOME ACCOUNT—OPERATING COMPANIES						
Gross operating revenue.....	418, 188	507, 511	709, 825	1, 016, 719	610, 857	105, 862
Railway operations.....	400, 896	535, 095	650, 160	925, 477	567, 736	66, 494
Passenger.....	382, 132	502, 652	603, 130	854, 603	767, 736	66, 027
Baggage, express, and milk.....	1, 561	3, 688	4, 966	5, 285	—	—
Freight.....	5, 231	10, 165	18, 546	31, 560	153, 121	8, 935
Other railway operations.....	11, 972	19, 491	23, 508	33, 969	—	—
Auxiliary operations.....	17, 292	31, 515	50, 675	91, 242	—	—
Operating expenses (total).....	251, 309	332, 896	452, 595	727, 705	660, 135	67, 660
Railway operating expenses.....	245, 140	318, 700	421, 251	675, 563	612, 090	64, 494
Way and structures.....	28, 521	44, 270	55, 470	102, 003	94, 126	7, 877
Equipment.....	31, 489	38, 717	48, 082	87, 236	77, 500	9, 736
Power.....	43, 972	53, 699	76, 068	107, 245	92, 790	14, 456
Conducting transportation.....	1 97, 123	1 129, 205	174, 973	286, 690	256, 667	20, 733
All other.....	44, 038	52, 909	64, 368	95, 388	90, 726	4, 602
Auxiliary operations.....	6, 169	14, 196	31, 344	49, 232	48, 036	1, 196
Ratio of expenses to revenue (per cent).....	60.1	65.7	63.8	71.6	72.5	63.0
Net operating revenue.....	166, 879	234, 615	257, 230	288, 924	250, 722	38, 202
Taxes (deduct).....	19, 766	35, 028	45, 766	64, 788	68, 347	6, 441
Operating income.....	147, 113	199, 587	211, 474	224, 136	192, 375	31, 761
Nonoperating income (add).....	11, 566	18, 419	20, 283	32, 329	29, 708	2, 621
Gross income.....	168, 679	218, 006	231, 757	256, 465	222, 083	34, 382
Deductions from gross income (total).....	2 118, 339	149, 896	175, 306	199, 277	164, 421	34, 850
Rent for leased roads.....	48, 022	44, 785	48, 303	48, 771	80, 937	12, 834
Interest on debt.....	63, 741	98, 026	119, 113	130, 126	119, 901	19, 225
Miscellaneous.....	2 6, 576	7, 086	7, 890	16, 380	13, 583	2, 797
Net income.....	40, 340	68, 140	56, 451	57, 188	57, 662	3 474
Dividends.....	26, 465	51, 650	48, 337	36, 729	36, 729	—
Surplus.....	13, 885	16, 490	8, 114	20, 459	20, 933	3 474
INCOME STATISTICS—OPERATING AND LESSOR COMPANIES COMBINED 4						
Gross income.....	159, 092	218, 467	232, 213	257, 217	—	—
Interest.....	31, 771	113, 259	135, 200	152, 217	—	—
Other deductions from gross income 5.....	2 8, 593	17, 553	15, 183	30, 764	—	—
Net income.....	68, 788	87, 655	81, 770	74, 200	—	—
Dividends.....	54, 485	70, 092	73, 263	53, 663	—	—
Surplus.....	14, 303	16, 663	8, 507	20, 533	—	—
Per cent of stock paying dividends.....	48.3	63.3	40.2	39.6	—	—
Average rate of dividend on stock paying dividends (per cent).....	5.4	5.6	6.0	5.8	—	—
Average rate of dividend on all stock, pct.....	2.6	3.0	3.0	2.3	—	—
BALANCE SHEET—OPERATING AND LESSOR COMPANIES COMBINED 4						
Total assets or liabilities 6.....	4, 300, 041	5, 448, 695	6, 272, 617	6, 655, 274	—	—
Assets—						
Road and equipment.....	3, 637, 669	4, 596, 563	5, 130, 442	5, 058, 763	—	—
Other physical property.....	—	—	79, 608	89, 180	—	—
Securities of other electric railways.....	210, 343	266, 962	312, 606	276, 534	—	—
Securities of other companies.....	(?)	67, 775	63, 395	96, 767	—	—
Treasury securities.....	27, 553	93, 143	77, 893	160, 902	—	—
Other permanent investments.....	136, 768	47, 371	108, 769	163, 497	—	—
Current assets and miscellaneous.....	261, 529	348, 732	415, 173	618, 202	—	—
Profit and loss deficit 7.....	36, 179	38, 140	78, 741	193, 430	—	—
Liabilities—						
Capital stock.....	2, 031, 986	2, 379, 340	2, 473, 847	2, 329, 173	—	—
Funded debt.....	1, 672, 960	3, 320, 222	3, 051, 179	3, 103, 826	—	—
Real estate mortgages.....	4, 060	6, 097	7, 108	13, 795	—	—
Floating debt.....	278, 927	296, 162	166, 592	176, 735	—	—
Reserves.....	27, 223	80, 776	75, 744	152, 082	—	—
Accrued depreciation.....	(?)	(?)	73, 934	181, 127	—	—
Miscellaneous liabilities.....	178, 262	223, 650	207, 310	581, 796	—	—
Profit and loss surplus 8.....	169, 623	133, 436	156, 813	169, 740	—	—
Net surplus.....	70, 444	95, 287	78, 072	86, 689	—	—

1 Includes superintendence of power. 2 Includes "Charges for sinking fund."

3 Deficit.

4 Not shown separately for surface, subway, and elevated groups.

5 Exclusive of rentals paid by operating to lessor companies.

6 Figures for 1907 and 1912 not strictly comparable with those for later years.

7 Not reported separately.

8 For companies having surplus or deficit, respectively.

Source: Bureau of the Census, Department of Commerce.

No. 457.—ELECTRIC RAILWAYS:

NOTE.—See headnote to Table 454. The track mileage represents that actually lying in each State, but conducted in other States. The differences among the States in the relation of passengers carried to interurban as against purely urban traffic. The information obtained in regard to motor-bus operations age represents passenger, express, freight, and mail-car mileage

Division and State	Miles of track lying in State or division ¹				Revenue passengers carried by companies domiciled in State (in thousands)				
	1907	1912	1917	1922	1907	1912	1917	1922	
								Car lines	Motor bus
United States	34,354	41,033	44,808	43,906	7,441,115	9,645,655	11,304,680	12,686,558	12,791
New England	4,863	5,299	5,556	5,049	876,118	1,051,182	1,242,077	1,133,708	3,400
Maine	418	530	572	566	36,730	47,049	55,463	50,010	-----
New Hampshire	208	265	269	203	20,087	23,673	23,405	19,660	-----
Vermont	113	121	126	117	7,103	8,136	8,739	6,950	-----
Massachusetts	2,851	2,951	3,056	2,688	697,470	705,918	834,529	731,900	448
Rhode Island	431	435	454	403	91,172	94,086	113,191	142,155	883
Connecticut	781	993	1,080	1,011	122,554	172,300	206,740	182,941	2,099
Middle Atlantic	8,891	10,064	10,804	10,519	2,839,019	3,513,731	4,225,237	4,978,142	86
New York	3,809	4,486	4,773	4,737	1,657,687	2,126,664	2,462,325	3,090,878	-----
New Jersey	1,320	1,309	1,368	1,342	269,099	356,858	432,875	466,311	8
Pennsylvania	3,762	4,270	4,462	4,440	912,233	1,029,899	1,300,037	1,420,463	80
East North Central	10,353	11,884	12,703	12,431	1,607,895	2,159,621	2,712,625	2,977,484	3,933
Ohio	3,071	3,999	4,236	3,974	480,844	632,332	811,913	870,160	2,004
Indiana	1,029	2,323	2,350	2,306	137,647	173,019	191,132	241,871	2
Illinois	2,754	3,186	3,441	3,416	703,493	832,693	1,090,804	1,127,719	380
Michigan	1,324	1,526	1,768	1,517	183,239	286,966	447,780	557,549	851
Wisconsin	076	849	901	919	102,772	134,640	164,906	180,185	1,190
West North Central	2,456	3,031	3,897	3,604	615,681	907,301	962,369	941,841	1,020
Minnesota	493	538	656	681	136,122	186,918	235,943	252,740	41
Iowa	641	784	1,015	999	61,440	93,418	103,898	95,494	-----
Missouri	867	959	1,094	1,098	340,362	402,210	442,759	463,618	955
North Dakota	14	19	21	21	1,872	2,862	2,841	3,378	-----
South Dakota	5	22	24	17	126	1,667	1,915	2,023	-----
Nebraska	184	214	211	206	49,323	64,709	74,500	76,846	-----
Kansas	300	494	582	581	20,386	35,527	40,460	37,742	-----
South Atlantic	2,244	2,900	3,221	3,191	487,982	616,725	747,562	830,216	298
Delaware	105	99	102	96	15,724	18,024	20,047	20,860	-----
Maryland	552	720	775	758	152,268	186,828	228,634	248,594	290
District of Columbia	160	188	195	199	91,569	114,100	125,536	155,952	-----
Virginia	513	561	581	554	77,300	91,080	112,814	116,289	-----
West Virginia	208	330	396	422	42,750	52,842	76,163	91,079	-----
North Carolina	106	190	228	216	14,086	21,241	26,915	29,964	-----
South Carolina	131	228	314	301	15,095	17,873	25,042	29,211	-----
Georgia	351	417	450	449	59,701	86,601	93,640	105,950	8
Florida	118	165	183	197	18,889	27,230	32,771	41,317	-----
East South Central	1,076	1,291	1,457	1,477	220,887	263,785	292,004	308,021	-----
Kentucky	402	502	516	517	85,859	103,512	109,105	115,594	-----
Tennessee	292	351	447	495	73,747	91,890	101,825	110,369	-----
Alabama	294	309	369	368	52,197	62,494	70,343	73,646	-----
Mississippi	86	119	124	98	9,084	10,883	10,731	8,412	-----
West South Central	840	1,372	1,704	1,724	193,838	270,740	313,203	380,580	1,507
Arkansas	82	114	122	120	17,145	24,304	26,283	29,305	649
Louisiana	239	285	331	305	85,194	94,053	105,753	128,337	-----
Oklahoma	100	252	302	324	9,502	22,121	30,766	35,402	858
Texas	419	721	950	975	81,497	130,268	156,401	187,536	-----
Mountain	630	1,048	1,311	1,291	113,904	154,224	182,222	148,700	42
Montana	69	99	121	111	13,862	15,351	22,197	15,255	-----
Colorado	317	468	467	431	73,458	80,597	84,024	81,613	-----
New Mexico	10	11	11	11	1,029	961	1,486	1,383	42
Arizona	31	46	53	44	1,002	4,554	7,433	5,474	-----
Idaho	73	129	155	140	1,327	4,170	3,279	3,256	-----
Wyoming	-----	23	23	23	-----	1,399	1,437	634	-----
Nevada	7	11	12	5	620	760	805	480	-----
Utah	123	260	469	517	21,106	40,452	40,891	40,501	-----
Pacific	3,063	4,146	4,647	4,619	487,943	723,270	707,311	697,892	2,497
Washington	730	991	1,022	954	110,507	126,687	145,022	142,745	684
Oregon	259	549	603	612	49,546	75,842	67,223	71,804	-----
California	2,013	2,606	3,022	3,053	327,977	520,741	494,166	753,313	1,813

¹ Mileage figures expressed to nearest mile, original figures to nearest hundredth.

Source: Bureau of Census, Department of Commerce.

OPERATING STATISTICS, BY STATES

All other data relate to the total operations of companies domiciled in the State, part of which may be passenger revenue and in other similar ratios are largely due to differences in the relative importance of railroads only to those lines which formed integral parts of electric-railway companies. Revenue car-mile-

Passenger revenue of companies domiciled in State (thousands of dollars)			Revenue car miles operated by companies domiciled in State (thousands)			Electric kilowatt hours generated or purchased by companies (thousands)			Division and State
1912	1917	1922	1912	1917	1922	1912	1917	1922	
502,652	603,130	654,863	1,921,620	2,139,802	2,124,523	9,020,018	12,187,851	12,406,058	United States.
52,521	63,944	87,704	101,461	209,504	173,093	772,103	999,938	856,732	New England.
2,453	3,065	4,243	11,124	12,255	11,027	74,907	102,270	123,009	Maine.
1,202	1,191	1,585	4,720	3,890	4,000	17,555	10,498	17,068	New Hampshire.
423	487	451	1,770	1,595	1,400	8,989	21,755	15,330	Vermont.
35,146	42,442	58,521	125,894	137,550	105,162	485,620	634,368	507,566	Massachusetts.
13,202	16,769	22,004	15,065	17,204	16,244	66,619	80,610	69,521	Rhode Island.
			32,846	36,730	35,238	118,363	144,437	123,578	Connecticut.
180,634	217,573	297,530	693,589	705,881	710,550	2,717,960	3,305,156	3,582,791	Middle Atlantic.
110,700	128,286	168,451	411,008	432,267	442,114	1,701,299	2,068,249	2,317,327	New York.
17,616	21,561	30,803	60,994	68,966	69,214	216,070	287,944	267,563	New Jersey.
52,318	67,726	98,243	191,587	204,628	199,222	799,997	968,957	1,007,871	Pennsylvania.
118,128	148,331	213,366	474,239	543,029	546,837	2,268,964	3,205,926	3,183,161	East North Central.
32,672	42,631	55,359	137,543	153,469	141,247	662,017	1,195,401	1,057,656	Ohio.
12,796	14,679	20,286	47,879	52,214	58,552	277,337	359,504	393,750	Indiana.
40,315	59,941	93,817	201,927	225,445	230,127	950,837	1,197,748	1,248,193	Illinois.
16,877	23,025	31,473	61,159	82,294	83,571	218,892	303,852	303,984	Michigan.
6,958	8,055	12,430	26,596	29,507	32,840	124,881	149,121	179,578	Wisconsin.
40,854	48,538	66,890	152,347	173,886	174,012	699,398	953,190	905,839	West North Central.
9,420	12,189	15,850	32,793	38,794	30,066	153,369	176,330	168,131	Minnesota.
5,259	6,198	7,850	22,122	25,293	20,152	103,664	134,534	249,328	Iowa.
20,216	23,001	34,137	72,573	80,670	80,738	361,995	485,181	386,272	Missouri.
222	245	342	651	709	920	851	1,095	1,593	North Dakota.
3,277	3,784	4,930	12,613	14,018	13,980	39,660	52,583	61,215	South Dakota.
2,460	3,181	3,771	11,111	13,819	12,571	36,151	52,365	38,347	Nebraska.
30,931	39,306	59,893	124,591	142,668	153,154	643,079	1,265,465	1,563,814	South Atlantic.
15,480	19,226	30,996	3,907	4,123	3,883	22,512	40,041	72,552	Delaware.
			34,439	40,328	42,401	134,560	136,092	218,563	Maryland.
			18,558	18,538	21,037	84,892	98,905	134,842	District of Columbia.
4,532	6,078	7,540	10,003	21,968	24,312	123,110	231,461	347,532	Virginia.
3,034	4,502	6,570	11,707	14,623	15,238	67,168	112,161	190,287	West Virginia.
1,177	1,323	2,068	5,998	6,725	6,887	41,822	80,247	60,593	North Carolina.
929	1,750	1,755	4,658	8,236	7,719	17,876	103,265	65,907	South Carolina.
4,395	4,393	7,521	19,217	20,608	22,619	125,820	304,691	448,304	Georgia.
1,374	1,624	2,414	6,144	7,299	9,058	26,529	32,073	48,974	Florida.
15,668	15,127	20,840	58,066	64,293	58,599	290,348	411,395	589,189	East South Central.
5,592	5,895	7,643	22,274	22,865	20,372	88,375	101,774	80,978	Kentucky.
4,604	5,217	7,735	18,956	21,401	19,122	100,072	170,036	131,742	Tennessee.
3,004	3,425	4,812	13,313	16,037	15,820	87,751	116,223	166,282	Alabama.
608	530	650	3,538	3,990	3,075	13,650	23,302	10,187	Mississippi.
14,790	18,093	29,529	61,617	77,411	80,091	245,080	375,989	549,756	West South Central.
1,133	1,279	1,781	5,594	5,917	5,735	27,364	37,442	60,402	Arkansas.
1,725	5,334	9,388	21,812	23,833	20,429	109,350	137,777	209,374	Louisiana.
3,254	1,900	3,127	6,143	7,979	9,356	20,477	27,522	45,834	Oklahoma.
7,625	10,160	15,233	28,089	39,682	44,571	87,889	173,248	234,146	Texas.
8,061	9,287	11,459	30,156	34,120	32,739	206,642	181,010	198,463	Mountain.
800	1,150	951	2,001	3,592	2,979	10,227	17,927	18,304	Montana.
4,521	4,409	6,222	17,202	17,031	15,746	105,373	111,508	120,176	Colorado.
282	439	382	1,010	1,277	453	410	466	608	New Mexico.
			1,420	1,277	681	2,969	5,149	2,499	Arizona.
451	424	388	1,438	1,438	1,323	5,103	5,743	5,540	Idaho.
			351	306	253	1,036	844	798	Wyoming.
2,007	2,845	3,516	270	239	103	652	535	253	Nevada.
			6,048	9,735	10,939	80,011	39,812	45,256	Utah.
42,875	42,262	68,463	165,580	189,050	196,168	1,104,240	1,499,240	1,190,283	Pacific.
7,265	8,134	12,273	29,517	36,128	36,299	608,794	743,746	266,632	Washington.
4,678	6,285	6,285	10,509	22,529	21,341	182,547	233,153	339,630	Oregon.
31,014	29,927	49,905	116,554	130,409	138,528	492,899	512,343	584,020	California.

* Includes duplication of energy purchased from electric-railway companies; amount not ascertainable.

No. 458.—ELECTRIC RAILWAYS: MILEAGE AND CARS AND BUSES OPERATED

NOTE.—This table includes mileage and equipment of city interurban, and electrified steam railroads in continental United States. Steam locomotives and cars owned by electric railroads and used primarily for steam service are omitted. All data beginning 1924 and data for buses in 1923 are about December; all other data are about July

Year, division, and State	Com- pa- nies oper- ating	Miles of all track ¹	Passenger cars		Freight cars		Service cars	Other cars	Elec- tric loco- motives	Buses oper- ated by electric railways	
			Motor	Trailer	Motor	Trailer				Num- ber	Mile- age ²
1916.	1,027	46,454	79,007	8,048	538	1,884	14,036	380	512	(?)	(?)
1920.	831	47,705	77,722	6,027	1,215	7,441	5,723	6,800	761	(?)	(?)
1921.	836	47,555	77,021	6,142	1,324	7,712	7,005	4,754	760	129	(?)
1922.	827	47,150	75,442	7,624	1,375	7,903	8,761	2,795	772	300	(?)
1923.	821	47,283	75,249	7,423	1,712	8,442	8,971	2,435	814	1,173	(?)
1924.	700	46,837	75,678	6,768	1,790	9,016	9,092	2,401	709	2,394	(?)
1925.	750	46,750	74,898	6,737	1,760	9,138	9,004	2,370	800	5,207	(?)
1926.	734	46,624	73,604	7,050	1,920	9,850	8,731	2,600	870	7,505	15,300
1927.	703	46,149	72,030	7,355	2,265	10,500	8,474	2,950	910	8,804	17,500
1928.	688	45,972	69,862	7,660	2,488	11,037	8,208	3,288	948	10,719	22,082
New England.	66	5,688	6,689	426	100	88	1,017	322	159	904	1,343
Maine	12	472	345	11	27	69	103	36	3	5	25
New Hampshire	11	125	182	—	1	27	1	11	2	39	(?)
Vermont	5	49	30	—	2	1	7	—	3	3	(?)
Massachusetts	26	2,700	4,081	289	41	13	749	146	4	500	809
Rhode Island	3	405	729	21	30	4	125	124	3	106	129
Connecticut	9	1,317	1,322	105	—	—	6	5	144	221	380
Middle Atlantic.	167	10,854	27,400	3,637	428	236	2,722	1,317	213	3,599	5,296
New York	75	5,688	17,807	3,272	276	154	1,437	110	208	739	568
New Jersey	13	1,235	2,477	100	3	—	320	355	—	1,855	2,044
Pennsylvania	79	3,928	7,066	265	150	82	909	1,052	5	977	2,684
East North Central.	161	11,659	15,041	2,052	1,162	3,199	1,938	717	153	3,024	7,113
Ohio	48	3,304	3,623	603	307	452	634	292	25	890	1,645
Indiana	25	2,649	1,724	123	410	567	398	140	26	456	1,421
Illinois	50	3,357	6,254	973	365	2,026	724	180	68	424	1,084
Michigan	23	1,649	2,246	208	63	153	137	102	25	965	1,695
Wisconsin	15	800	1,194	55	17	1	43	3	9	289	1,268
West North Central.	60	3,603	5,087	299	111	1,320	731	109	62	581	1,644
Minnesota	8	700	1,107	26	1	—	102	23	2	117	130
Iowa	23	1,613	661	53	13	1,297	180	23	37	120	1,023
Missouri	15	1,162	2,379	187	17	22	342	30	7	166	339
North Dakota	3	25	41	—	—	—	0	4	—	4	7
South Dakota	1	14	19	—	—	—	2	4	—	19	32
Nebraska	4	192	431	10	4	1	63	36	2	30	35
Kansas	15	497	339	23	76	—	33	12	14	126	64
South Atlantic.	59	3,698	4,860	325	92	323	513	334	84	999	3,114
Delaware	1	81	106	—	—	—	15	—	—	25	35
Maryland	5	692	1,433	156	28	95	152	170	3	193	2,072
Dist. of Columbia	5	417	864	40	6	20	99	29	0	128	207
Virginia	13	671	706	87	12	7	44	52	38	258	161
West Virginia	10	659	387	—	25	27	60	11	19	105	446
North Carolina	8	322	205	14	4	160	39	5	17	67	32
South Carolina	4	60	36	—	3	—	8	—	—	9	33
Georgia	7	477	677	28	5	11	65	43	1	53	38
Florida	7	219	405	—	9	4	31	15	—	100	90
East South Central.	32	1,322	1,825	190	50	1	254	72	3	237	169
Kentucky	7	498	733	71	24	1	128	10	—	159	73
Tennessee	9	453	629	53	0	1	60	53	3	47	74
Alabama	10	344	427	66	17	—	64	—	—	13	17
Mississippi	6	27	36	—	—	—	2	—	—	18	5
West South Central.	50	1,840	2,588	137	124	78	263	262	16	512	618
Arkansas	7	133	229	10	—	—	20	13	—	30	22
Louisiana	8	267	740	47	2	—	78	177	—	52	26
Oklahoma	12	365	220	27	94	62	32	23	14	127	91
Texas	23	1,075	1,349	53	28	16	133	49	2	303	479
Mountain.	30	1,688	744	203	18	2,008	173	54	48	80	104
Montana	8	706	97	14	7	1,420	34	—	20	8	12
Idaho	1	—	—	—	—	—	—	—	—	6	(?)
Wyoming	1	—	—	—	—	—	—	—	—	9	(?)
Colorado	9	475	366	127	1	222	79	48	9	29	54
New Mexico	1	—	—	—	—	—	—	—	—	1	(?)
Arizona	3	31	81	—	3	—	3	1	—	11	13
Utah	7	476	250	62	7	357	57	5	10	16	85
Nevada	—	—	—	—	—	—	—	—	—	—	—
Pacific.	52	5,638	5,689	391	402	3,784	599	99	210	734	2,576
Washington	18	1,357	990	66	216	234	69	38	88	186	1,154
Oregon	6	723	616	76	—	488	131	11	24	43	60
California	28	3,548	4,113	249	186	3,062	399	50	98	505	1,362

¹ Expressed in nearest mile.

² No report.

³ Includes 56 companies operating buses only.

No. 459.—ELECTRIC RAILWAYS: MILEAGE OF ELEVATED AND SUBWAY AND TUNNEL TRACK, BY STATES

NOTE.—In these statistics all track is included; each track of a double or multiple line is counted separately

Class of trackage and State	1907	1912	1917	1922
Elevated, total	302.39	417.80	497.29	601.89
New York.....	200.41	230.80	298.99	362.80
Illinois.....	126.77	141.90	146.89	163.88
Pennsylvania.....	7.67	9.87	16.71	32.40
Massachusetts.....	16.70	26.58	26.23	30.08
New Jersey.....	17.26	4.37	4.41	4.36
Missouri.....	3.18	2.88	2.06	2.88
Washington.....				2.69
Maryland.....	1.40	1.40	1.40	1.40
California.....			1.20	1.20
Kansas.....			.50	
Subways and tunnels, total	74.77	112.70	218.79	325.66
New York ¹	60.38	70.54	102.37	260.14
Massachusetts.....	7.75	18.46	25.24	26.98
New Jersey ²		11.68	12.62	12.62
Pennsylvania.....	5.62	8.42	8.95	7.95
California.....		.30	5.43	5.35
Illinois.....	.60	1.87	1.08	1.80
All other States ³.....	.42	1.44	2.25	1.72

¹Includes 3.06 miles of Camden and Atlantic branch of West Jersey & Seashore Railroad Co., tabulated as an electrified division of a steam road for 1917 and 1912.

²Excludes 11.68 miles operated in New Jersey.

³Includes 11.68 miles owned by a New York company.

⁴Rhode Island, Minnesota and Missouri, 1922; Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Kansas, Missouri, Oregon, and Tennessee, 1912; Missouri, 1907.

Source: Bureau of the Census, Department of Commerce.

No. 460.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

Year	Placed under receivership				Sold under foreclosure				Receivers' certificates
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities		
			Stock	Bonds			Stock	Bonds	
			<i>Dollars</i>	<i>Dollars</i>			<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1909.....	22	553	20,962,200	22,325,000	21	488	22,205,700	21,174,000	(0)
1910.....	11	697	12,629,400	75,490,735	22	724	19,106,613	26,374,075	(0)
1911.....	19	510	20,533,450	38,073,293	25	661	91,354,800	115,092,750	(0)
1912.....	26	374	20,410,700	11,133,800	18	267	14,197,300	10,685,250	(0)
1913.....	18	343	31,006,900	47,272,200	17	302	15,243,700	19,094,500	(0)
1914.....	10	362	35,562,550	10,050,400	11	181	26,239,700	44,094,241	(0)
1915.....	27	1,152	40,298,050	39,372,375	19	308	30,508,817	16,759,997	(0)
1916.....	15	359	14,476,000	10,840,200	19	430	13,895,400	22,702,300	(0)
1917.....	21	1,177	33,918,725	33,778,400	26	745	27,281,900	27,313,945	(0)
1918.....	29	2,018	92,130,888	163,267,102	23	524	37,740,325	20,149,384	(0)
1919.....	48	3,781	321,259,354	312,915,104	20	2,675	89,893,400	79,836,738	42,300
1920.....	19	1,065	28,758,455	72,283,575	13	260	7,782,400	11,227,328	52,000
1921.....	19	986	32,909,525	36,177,800	13	778	33,042,255	39,863,525	5,000
1922.....	14	695	18,140,150	20,304,400	13	323	7,491,500	12,640,000	114,633
1923.....	12	334	8,352,100	14,707,066	15	927	118,077,959	110,683,250	12,205,000
1924.....	12	1,022	28,480,700	35,716,000	14	869	21,022,800	34,845,535	3,440,388
1925.....	14	1,250	51,383,195	54,096,525	13	599	18,074,300	18,329,555	53,000
1926.....	16	1,228	17,769,435	117,560,073	28	1,201	20,054,700	57,840,863	214,000
1927.....	13	624	17,615,050	20,875,450	16	941	53,345,900	78,445,100	3,140,000
1928.....	8	262	9,216,700	14,790,700	8	1,004	26,084,325	40,683,400	168,150

¹ Data not available.

Source: Annual Statistical Number, Electric Railway Journal.

21.—WATERWAYS, WATER TRAFFIC, AND SHIPPING

Data in this section cover the following areas unless otherwise indicated: From Board of Engineers of the United States Army, and Bureau of Foreign and Domestic Commerce, United States customs area which includes Alaska, Hawaii, and Porto Rico; from United States Shipping Board, continental United States

General note as to units of measurement.—"Cargo tonnage" represents weight of cargo in long tons (2,240 pounds) or short tons (2,000 pounds). All other tonnage figures refer to capacity of vessels. The terms gross and net tonnage refer to space measurement 100 cubic feet being called 1 ton. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, storage, passengers or crew, with certain minor exemptions. Net or registered tonnage is what remains after deducting from the gross tonnage the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety. Displacement tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

No. 481.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

[In thousands of short tons of 2,000 pounds]

	1924	1925	1926	1927
Foreign commerce, total.....	101,562	108,547	131,203	130,829
Imports, through seaports.....	36,425	42,702	44,834	43,388
Exports, through seaports.....	49,008	49,251	69,859	56,550
Imports, Great Lakes ports.....	4,662	7,317	6,424	8,098
Exports, Great Lakes ports.....	11,167	9,187	10,176	12,487
Domestic commerce, unadjusted total.....	384,454	443,022	470,208	473,118
Coastwise, between ports.....	88,554	105,090	108,023	121,036
Great Lakes, between ports.....	93,183	111,593	116,480	113,917
Local traffic of seaports and Great Lakes ports ¹	77,270	94,981	80,168	78,162
Traffic between seaports and river points.....	32,315	47,214	34,510	38,191
Traffic on rivers, canals, and connecting channels ²	³ 93,127	114,169	122,021	121,812
Foreign and domestic, unadjusted total.....	480,015	551,568	601,501	593,641
Deduction of duplications:				
Traffic between seaports and river points.....	32,315	47,214	34,510	38,191
Other duplications (canals, etc.) ⁴	(5)	20,954	26,491	22,950
Net total, foreign and domestic.....	453,700	483,400	540,500	532,500
Approximate net total, domestic ⁵	352,139	374,854	409,207	411,877

¹ Includes the following, with figures for 1927: Harbor traffic of New York, Philadelphia, and San Francisco (48,105,000 tons); local traffic of other seaports (24,193,000); local traffic of lake ports (5,859,000).

² Excluding Sault Ste. Marie Canal traffic (83,354,000 tons in 1927) and additional Detroit River traffic (13,334,000 tons), both of which are already counted in Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.

³ Not comparable with later years; see note 5.

⁴ Principally coastwise and lake traffic passing through canals and connecting channels, other than the Sault Ste. Marie Canal and the Detroit River.

⁵ Not available; the figures were for the most part deducted from river and canal traffic.

⁶ Estimated from data in this table on the assumption that all the duplications deducted from the grand total represent duplications in domestic traffic; there are, however, some minor cases of duplication connected with foreign traffic.

Source: Board of Engineers for Rivers and Harbors.

No. 462.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1927

NOTE.—In thousands of short tons of 2,000 pounds. In addition to the commerce here shown, many of the ports have (1) commerce with ports on internal rivers and canals; (2) purely local port traffic, including in the case of New York, Philadelphia, and San Francisco, what is called intraport traffic between parts of a harbor for which separate statistics are maintained. These forms of traffic, although the aggregate tonnage is large, are of much less economic importance than foreign and coastwise traffic

Port	Im-ports	Ex-ports	Coastwise		Port	Im-ports	Ex-ports	Coastwise	
			Re-ceipts	Ship-ments				Re-ceipts	Ship-ments
Grand total	43,388	56,550	120,832	121,240					
Atlantic ports	32,793	23,185	78,625	54,775					
SearSPORT, Me.....	8		403		Gulf ports—Con.				
Portland, Me.....	740	171	2,167	223	Mobile, Ala.....	353	714	628	660
Portsmouth, N. H.....	36		285	15	Pensacola, Fla.....	81	258	363	51
Boston Harbor, Mass.....	2,662	292	11,321	1,457	Gulfport, Miss.....	36	384	192	8
Beverly, Mass.....	7	(¹)	431	17	New Orleans, La.....	5,186	4,402	1,607	1,315
Salem, Mass.....	12		450		Baton Rouge, La.....	272	1,376	82	2,441
Lynn, Mass.....	2		323		Galveston, Tex.....	431	2,121	1,018	1,797
New Bedford and Fair Haven, Mass.....	4	(¹)	859	110	Texas City, Tex.....	100	283	37	4,048
Fall River, Mass.....	863	(¹)	1,107	812	Houston, Tex.....	185	2,874	909	5,725
Newport, R. I.....			117	12	Freeport, Tex.....	38	252	10	152
Providence, R. I.....	367	(¹)	4,181	468	Sabine, Tex.....		26	(¹)	599
New London, Conn.....	21	(¹)	606	140	Port Arthur, Tex.....	10	950	116	6,719
New Haven, Conn.....	23		1,257	85	Beaumont, Tex.....	95	1,156	52	6,604
Bridgeport, Conn.....	5		1,067	75	Corpus Cristi, Tex.....	6	93	11	882
Stamford, Conn.....			399	21	Pacific ports	3,510	17,361	37,566	34,010
Greenwich, Conn.....			218	15	San Diego, Calif.....	41	12	886	27
New York Harbor, N. Y.....	15,790	13,041	31,370	14,618	Los Angeles, Calif.....	570	7,314	5,011	13,393
Hempstead, N. Y.....			457	7,728	San Luis Obispo, Calif.....			504	857
Huntington Bay, N. Y.....			2	1,272	San Francisco Bay, Calif.....	1,135	3,505	14,087	8,168
Port Jefferson, N. Y.....			26	2,639	Monterey, Calif.....			92	74
Philadelphia, Pa. ²	4,073	2,397	8,698	3,068	Humbolt, Calif.....			118	148
Baltimore, Md.....	4,867	1,978	3,137	1,953	Long Beach, Calif.....	81	303	394	695
Hampton Roads, Va.....	670	3,207	1,320	17,401	Coos Bay, Oreg.....			112	46
Wilmington, N. C.....	172	38	508	38	Portland, Oreg.....	142	1,736	2,268	783
Charleston Harbor, S. C. ³	780	463	890	263	Other ports on Columbia and lower Willamette Rivers.....	7	507	186	1,031
Savannah, Ga.....	408	482	905	444	Grays Harbor, Wash.....	1	823	133	1,731
Brunswick, Ga.....	144	129	320	352	Willapa, Wash.....			21	2,197
Fernandina, Fla.....		253		(¹)	Port Gamble, Wash.....			30	172
Jacksonville, Fla.....	593	220	1,268	711	Olympia, Wash.....	2	133	400	208
Miami, Fla.....	83	27	546	84	Tacoma, Wash.....	333	836	2,718	868
Key West, Fla.....	129	435	153	2	Seattle, Wash.....	516	784	5,667	1,669
San Juan, P. R.....	190	18	583	294	Everett, Wash.....	44	299	1,074	675
Gulf ports	7,084	16,014	6,611	32,454	Anacortes, Wash.....	167	60	984	309
Charlotte, Fla.....		90	1	318	Bellingham, Wash.....	65	96	989	525
Tampa, Fla.....	212	874	1,160	872	Port Angeles, Wash.....	254	32	263	198
					Port Ludlow, Wash.....			13	209
					Honolulu, Hawaii.....	117	62	1,153	750
					Kahului, Hawaii.....	5		100	209
					Hilo, Hawaii.....	18		140	230

¹ Less than 500 tons. ² Including Delaware and Schuylkill Rivers, Pa. ³ Including Ashley River.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 463.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS

NOTE.—In thousands of short tons of 2,000 pounds. Foreign imports and exports and coastwise receipts and shipments are included

Port	Receipts				Shipments			
	1924	1925	1926	1927	1924	1925	1926	1927
Total	98,249	119,814	122,188	120,557	104,265	119,827	127,384	127,862
Agato Bay, Minn.....	183	190	250	101	5,463	6,753	7,027	6,413
Alpena, Mich.....	202	227	229	249	1,108	1,108	1,372	1,313
Ashland, Wis.....	760	749	760	833	5,399	7,466	7,995	7,089
Ashtabula, Ohio.....	7,342	8,792	10,376	7,054	2,793	1,868	2,068	3,049
Buffalo, N. Y.: By lake.....	14,971	14,985	13,313	14,793	3,895	2,970	3,693	3,060
By canal.....	107	503	393	384	775	1,036	998	926

No. 463.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS—Continued

Port	Receipts				Shipments			
	1924	1925	1926	1927	1924	1925	1926	1927
Calette, Mich.....	43	93	67	112	6,856	8,413	9,041	10,345
Charlotte, N. Y. (Rochester).....	183	176	105	164	1,012	555	973	832
Chicago, Ill. ¹	8,578	12,924	10,906	11,551	2,542	1,602	1,892	1,375
Cleveland, Ohio.....	8,633	11,426	11,993	10,730	1,951	666	761	1,204
Conneaut, Ohio.....	8,305	9,777	10,656	8,944	1,880	1,612	2,144	772
Detroit, Mich.....	2,946	4,019	4,042	2,424	127	197	279	422
Duluth-Superior.....	10,999	10,935	11,780	13,816	35,018	40,130	41,915	39,896
Erie, Pa.....	1,189	951	1,685	1,791	1,170	576	1,198	921
Escanaba, Mich.....	270	327	578	201	4,777	6,474	7,093	6,584
Fairport, Ohio.....	2,794	3,327	3,495	3,276	602	1,001	697	1,337
Frankfort, Mich.....	355	933	898	897	662	716	732	670
Gary, Ind.....	3,465	6,760	5,967	5,393	.....	.....	.....	4
Grand Haven, Mich.....	343	493	417	518	447	546	515	720
Green Bay, Wis.....	975	1,166	1,271	1,417	224	257	266	286
Huron, Ohio.....	831	1,165	1,368	1,324	800	747	612	247
Indiana Harbor, Ind.....	3,344	3,956	4,646	4,596	851	1,332	703	929
Keweenaw, Wis.....	157	192	175	124	201	207	212	269
Keweehaw Waterway, Mich.....	609	614	809	957	52	48	68	65
Lorain, Ohio.....	3,862	5,259	4,731	4,511	2,282	1,581	2,104	2,758
Ludington, Mich.....	1,001	1,012	985	965	1,472	1,522	1,449	1,447
Manistique, Mich.....	100	66	83	85	224	212	183	184
Manitowoc, Wis.....	1,291	1,440	1,422	1,422	727	765	734	846
Marquette Harbor, Mich.....	241	290	241	207	1,178	1,402	1,018	928
Marquette Bay, Mich.....	.....	.....	.....	.....	1,645	2,517	2,320	2,720
Monominee, Mich. and Wis.....	469	457	527	514	248	291	285	240
Milwaukee, Wis.....	5,100	5,611	6,111	6,512	1,377	1,297	1,426	1,721
Muskegon, Mich.....	328	350	310	402	29	33	30	30
Ogdensburg, N. Y.....	519	592	643	1,492	29	68	733	45
Rockport, Mich.....	18	13	26	15	1,190	1,415	1,347	1,760
Rouge River, Mich.....	2,067	2,946	3,163	3,069	25	64	36	72
Sandusky, Ohio.....	880	243	158	124	4,233	6,120	6,934	7,955
Sault Ste. Marie, Mich. ²	687	761	704	808	1	.....	.....	.....
Sheboygan, Wis.....	413	384	458	464	11	12	11	12
Sturgeon Bay, Wis.....	26	20	19	25	215	330	381	370
Toledo, Ohio.....	1,874	1,371	2,278	1,767	9,446	14,049	14,202	16,799
Tonawanda, N. Y. ³	352	484	453	486	2	21	.....	16
Wyandotte, Mich.....	1,029	1,159	1,159	874	.....	.....	.....	.....
All other.....	1,878	2,356	2,485	4,137	1,482	1,868	1,164	1,498

¹ Includes Chicago Harbor, Chicago River and Calumet Harbor. ² Port of. ³ By lake and Niagara River.

Source: Annual Reports of the Chief of Engineers, United States Army.

No. 464.—COMMERCE ON THE PRINCIPAL RIVERS, CANALS, AND CONNECTING CHANNELS OF THE UNITED STATES, 1927

NOTE.—There is much duplication as between different rivers, canals, and channels, and between those different sections of a single river which are separately reported

[In thousands of short tons of 2,000 pounds]

River, canal, or channel	Total	Rafted and floated timber ¹	River, canal, or channel	Total	Rafted and floated timber ¹
ATLANTIC COAST			ATLANTIC COAST—continued		
Penobscot, Me.....	604	.....	Delaware River, Philadelphia, Pa., to Trenton.....	² 5,734	.....
Kennebec River, Me.....	167	.....	Potomac River (below Washington, D. C.).....	2,403	.....
Herring River, Mass.....	586	.....	Rappahannock River, Va.....	341	.....
Pawtucket River, R. I.....	393	.....	York River, Va.....	312	.....
Thames River, Conn.....	417	.....	James River, Va.....	983	35
Connecticut River (below Hartford).....	593	.....	Nansemond River, Va.....	316	.....
Housatonic River, Conn.....	182	.....	Pamlico and Tar Rivers, N. C.....	235	89
Hudson River, N. Y:	.....	.....	Neuse River, N. C.....	238	48
Middle section.....	² 3,339	.....	Cape Fear River, N. C. (above Wilmington).....	153	37
Upper section.....	² 1,482	.....	Wando River, S. C.....	236	203
Cooper River, N. J.....	423	.....	Altamaha River, Ga.....	163	22
Maurice River, N. J.....	194	.....	.....	.....	.....

¹ Included in the total.

² Excludes car ferry, general ferry, and cargoes in transit.

No. 464.—COMMERCE ON THE PRINCIPAL RIVERS, CANALS, AND CONNECTING CHANNELS OF THE UNITED STATES, 1927—Continued

River, canal, or channel	Total	Rafted and floated timber ¹	River, canal, or channel	Total	Rafted and floated timber ¹
GULF COAST			INTERIOR RIVERS AND OTHER WATERWAYS—continued		
Appalachicola River, cut-off, Lee Slough, and Lower Chipola River, Fla.	223	15	Cowlitz River, Oreg.	1,493	1,312
Alabama River, Ala.	166	19	Colombia and Willamette Rivers, Wash. and Oreg. ²	7,768	5,437
Black Warrior, Warrior, and Tombigbee Rivers, Ala.	1,468	204	Hoquiam River, Wash.	1,036	795
Pascagoula River, Miss.	112	—	Stilaguamish River, Wash.	191	105
Mobile River, Ala., tributaries.	616	246	Snohomish River, Wash.	1,975	1,449
Atchafalaya River, Morgan City to Gulf of Mexico	730	80	Skagit River, Wash.	322	290
Lake Ponchartrain, La.	899	—	Chehalis River, Wash.	773	—
Calcasieu River and Pass, La.	295	—	Wishkah River, Wash.	748	660
Clear Creek, Tex.	193	—	Pend d'Oreille River, Wash. and Idaho.	188	—
Goose Creek, Tex.	324	—	Priest River, Idaho.	160	—
MISSISSIPPI RIVER AND TRIBUTARIES			FEDERAL CANALS AND CONNECTING CHANNELS		
Ouachita and Black Rivers, Ark. and La.	2,327	22	Inland waterway from Delaware River to Chesapeake Bay, Del. and Md.	608	2
Yazoo River, Miss.	2,157	1	Waterway from Norfolk, Va., to the sounds of North Carolina.	155	25
Big Sunflower River, Miss.	75	9	Inland waterway from Norfolk, Va., to Beaufort Inlet, N. C.	650	29
Arkansas River, Ark. and Okla.	302	96	Waterway between Beaufort, S. C., and St. Johns River, Fla.	482	25
White River, Ark.	150	44	Intracoastal waterway, Jacksonville to Miami, Fla.	2,289	—
Black River, Ark. and Mo.	60	9	Narrows in Santa Rosa Sound, Fla.	135	45
St. Francis and L'Angelle Rivers and Blackfish Bayou, Ark.	180	117	Channel between Mobile Bay and Mississippi Sound, Ala.	315	—
Mississippi River:			Intracoastal waterway, Calcasieu River to Sabine River, La. and Tex.	255	—
Between Missouri River and Minneapolis, Minn.	2,715	—	Harvey Canal, La.	151	10
Between Ohio and Missouri Rivers.	1,110	2	Intracoastal waterway, Mississippi River to Bayou Teche, La. (Black Bayou).	154	10
Between Cairo and Memphis.	2,144	16	Sabine-Neches Canal, Tex.:		
Between Memphis and Vicksburg.	4,358	82	Local traffic.	16	—
Between Vicksburg and New Orleans.	8,817	81	Traffic in transit.	8,346	—
Missouri River:			Keweenaw Waterway, Mich.	1,406	—
Kansas City to mouth.	551	2	Sturgeon Bay and Lake Michigan Ship Canal, Wis. (through traffic only).	477	—
Kansas City to Sioux City.	118	—	St. Marys Falls Canal, Mich.	83,354	—
Cumberland River, Tenn., and Ky. (below Nashville).	279	9	Detroit River, Mich.	13,534	—
Cumberland River, Tenn. and Ky. (above Nashville).	253	31	Lake Washington Ship Canal, Wash.	2,312	1,528
Tennessee River.	2,292	65	Canal and locks at Willamette Falls, Oreg.	250	35
Monongahela River, Pa. and W. Va.	25,873	—	STATE AND PRIVATE CANALS		
Allegheny River, Pa.	3,861	—	Caps Cod Canal, Mass.	895	—
Youghiogheny River, Pa.	272	—	New York State Barge Canal System.	2,582	—
Little Kanawha River, W. Va.	264	1	Lehigh and Delaware Division Canals, Pa.	326	—
Kanawha River, W. Va.	1,421	—	Delaware and Raritan Canal.	120	—
Ohio River, Ohio.	20,129	—	New Basin Canal, La.	568	—
Muskingum River, Ohio.	804	—	Navigation Canal, Inner Harbor, La.	710	—
Kentucky River, Ky.	166	48	Miami Canal, Fla.	233	—
Green and Barren Rivers, Ky.	322	18	Chicago Sanitary Drainage Canal, Ill.	915	—
INTERIOR RIVERS AND OTHER WATERWAYS					
Fox River, Wis.	342	—			
Grand River, Mich.	252	—			
Niagara River, N. Y.	173	—			
San Joaquin River, Calif.	1,153	—			
Sacramento River, Calif.	1,210	—			
Umpqua River, Oreg.	451	379			
Coquille River, Oreg.	196	141			
Yaquina River, Oreg.	293	194			
Colombia River from Vancouver to The Dalles.	705	500			
Clatskanie River, Oreg.	326	324			
Willamette River (above Portland and Yamhill River, Oreg.).	1,717	886			

¹ Included in total.² Excludes car ferry, general ferry, and cargoes in transit.³ Internal traffic only; total traffic, including foreign and coastwise, was 14,479,000 tons.⁴ Excludes traffic through the St. Marys Falls Canal, which also passes through the Detroit River; the total traffic through the Detroit River was 97,183,000 tons.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 465.—SAULT STE. MARIE CANALS: GENERAL TRAFFIC STATISTICS

NOTE.—Includes both American and Canadian canals and traffic to and from Canadian as well as American ports. Average distances, ton-miles, freight charges, etc., are based on total haul from port of origin to port of destination in process of performance by vessels passing through the canals

Season	Freight carried (1,000 short tons of 2,000 pounds)					Total ton-miles (millions)	Freight charges		Valuation of freight (millions of dollars)
	Total	East-bound	West-bound	By American vessels	By Canadian vessels		Amount (1,000 dollars)	Average per ton per mile (mills)	
1890	8,041	6,429	2,612	8,079	362	7,207	9,472	1.80	102
1895	16,063	12,030	3,033	14,497	686	12,503	14,230	1.14	160
1900	25,643	20,532	5,111	24,896	747	21,179	24,953	1.18	267
1905	44,271	36,779	7,492	42,061	2,210	36,893	31,421	.85	470
1907	58,217	45,544	12,673	55,469	2,748	48,221	38,457	.80	517
1908	41,391	30,381	11,010	38,392	2,999	34,854	23,093	.69	470
1909	57,895	46,379	11,516	54,265	3,630	46,813	36,292	.78	626
1910	62,363	47,134	15,229	58,569	3,794	52,406	38,711	.74	654
1911	53,477	36,429	17,048	49,844	3,633	44,174	29,492	.67	595
1912	72,473	55,378	17,095	68,469	4,004	60,243	40,578	.67	701
1913	79,718	59,206	20,512	74,789	4,929	65,331	44,381	.68	806
1914	55,370	39,471	15,899	50,469	4,901	46,112	27,597	.60	635
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71	882
1916	91,888	74,148	17,740	86,174	5,714	75,717	60,845	.80	974
1917	89,814	70,047	19,767	84,685	5,129	73,635	59,277	1.21	1,197
1918	85,680	66,285	19,395	80,965	4,722	70,108	53,508	1.19	987
1919	68,236	52,832	15,404	63,408	4,828	55,612	38,749	1.05	915
1920	79,282	63,464	15,818	74,866	4,416	64,702	45,472	1.33	1,120
1921	48,269	32,113	16,146	43,016	5,243	38,043	43,344	1.14	746
1922	66,067	55,020	11,047	60,812	5,265	53,564	64,154	1.20	957
1923	91,330	71,236	20,144	83,705	7,585	73,218	80,843	1.10	1,026
1924	72,037	56,840	15,197	65,447	6,590	58,579	59,769	1.02	1,080
1925	81,875	67,305	14,570	75,764	6,111	65,577	71,093	1.08	1,118
1926	55,079	49,530	16,149	78,006	7,673	69,360	78,517	1.18	1,064
1927	83,354	64,393	18,961	76,091	7,264	67,387	69,331	1.03	1,132
1928	86,993	70,166	16,827	78,072	8,921	70,259	81,281	1.16	1,183

	1900	1910	1915	1920	1925	1927	1928
Date of opening canal	Apr. 19	Apr. 12	Apr. 13	Apr. 19	Apr. 8	Apr. 12	May 1
Date of closing canal	Dec. 16	Dec. 15	Dec. 20	Dec. 26	Dec. 17	Dec. 18	Dec. 16
Number of vessels passing	19,452	20,809	21,238	18,847	20,650	18,759	19,286
Registered tonnage of vessels passing—1,000 net tons	22,316	49,856	56,390	58,194	69,240	64,325	66,856
Eastbound	11,143	24,725	28,316	29,123	34,653	32,260	33,356
Westbound	11,173	25,132	28,074	29,071	34,587	32,065	33,479
Passengers carried—number	58,555	66,933	50,330	68,451	56,956	55,115	56,053
Freight, eastbound							
1,000 short tons	20,532	47,134	56,369	63,464	67,305	64,393	70,166
Flour—1,000 bbls.	6,755	7,576	8,437	7,478	9,280	9,383	9,283
Wheat—1,000 bus.	40,489	89,260	25,482	149,456	292,818	330,898	406,700
Other grain	16,064	39,243	64,755	51,630	149,927	119,520	131,039
Lumber—1,000 ft. b. m.	900,651	603,101	450,451	192,854	186,456	152,608	187,205
Iron ore—1,000 short tons	10,444	41,609	45,212	56,643	68,821	49,963	53,225
Fig iron	20	49	18	1	28	79	117
Stone	49	10	67	67	24	79	67
Copper	131	143	156	52	63	67	86
General merchandise	86	173	332	56	107	95	136
Freight, westbound							
1,000 short tons	5,111	15,229	14,921	15,818	14,570	18,961	16,827
Coal	4,487	13,514	13,357	14,156	12,874	17,107	14,870
Salt	49	78	105	99	58	59	61
Oil				353	223	257	321
Stone				496	643	579	561
Iron ore		3	2	138	53	135	96
Manufactured iron and steel							
1,000 short tons	116	306	194	76	119	116	186
General merchandise	459	1,238	1,263	500	600	708	732

Source: Annual Report of the Chief of Engineers, United States Army.

No. 466.—NEW YORK STATE CANALS: TONNAGE OF FREIGHT MOVED

NOTE.—In short tons of 2,000 pounds. Tonnage handled over State terminals but not moved through any portion of the canal channel is not included

Yearly average	All canals	Erie division	Yearly average or year	All canals	Erie division			
					Total freight	Grain	Sand, gravel, stone	Petroleum
1837-1840	1,339,016	771,741	1806-1910	3,238,129	2,206,595			
1841-1845	1,613,317	884,522	1911-1915	2,448,837	1,626,451			
1846-1850	2,781,410	1,556,696	1916-1920	1,348,365	798,706			
1851-1855	3,976,501	2,141,476	1921-1925	1,905,291	1,548,408	680,453	333,250	191,406
1856-1860	3,911,407	1,839,759	1926	1,421,434	891,221	112,321	327,633	64,174
1861-1865	5,049,341	2,743,929	1931	1,270,407	993,639	356,985	247,653	103,400
1866-1870	5,987,724	3,018,359	1932	1,873,484	1,485,109	550,831	337,656	164,176
1871-1875	5,974,097	3,326,073	1933	2,006,284	1,026,062	628,763	375,094	190,104
1876-1880	6,219,888	3,542,020	1934	2,032,317	1,691,766	698,246	365,266	237,018
1881-1885	5,210,389	3,495,590	1935	2,344,018	1,945,466	916,441	339,713	262,331
1886-1890	5,281,441	3,589,631	1936	2,369,367	1,835,273	795,598	287,189	263,262
1891-1895	4,112,061	2,962,528	1937	2,581,892	2,047,774	791,037	325,076	327,616
1896-1900	3,544,961	2,446,065	1938	3,089,998	2,535,684	1,118,788	307,642	343,693
1901-1905	3,335,210	2,144,492						

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York.

No. 467.—PRINCIPAL COMMODITIES CARRIED ON THE OHIO RIVER

NOTE.—In short tons of 2,000 pounds. Ferry traffic is excluded. Totals include small items not shown

Commodity	Total			1927			
	1923	1926	1927	Inbound	Out-bound	Up-bound	Down-bound
Total	8,280,520	19,764,978	20,133,518	7,438,857	3,268,044	1,854,462	7,569,166
Animals and animal products	13,593	15,098	32,748	3,875	607	10,289	17,975
Livestock	11,280	6,407	24,722	3,262	386	3,514	17,530
Poultry and eggs	922	6,681	6,557	286		6,156	115
Hides and leather	891	108	149			18	131
Dairy products	102	786	727		221	176	33
Vegetable food products	36,069	57,479	40,620	547	8,937	12,634	18,402
Groceries	7,140	13,313	7,421		2,584	1,048	3,789
Sugar and molasses	1,604	919	739		623	71	45
Grains	8,312	31,086	22,078	110	1,269	8,165	12,534
Flour	1,566	2,834	2,233		1,946	49	238
Hay, feed, straw	5,743	4,781	2,902	85	598	739	1,430
Vegetables	8,436	491	1,908	2	1,440	450	16
Other vegetable products	1,332						
Textiles	2,041	3,316	1,502	1	4	1,046	451
Dry goods	1,412	2,905	1,485	1	4	1,043	437
Wood and paper	141,673	397,634	474,045	452,165	2,596	16,343	2,941
Furniture	2,213	2,805	2,284		54	1,729	501
Logs and lumber	15,373	142,048	77,171	61,095	2,542	11,633	1,851
Railroad ties of wood	123,955	252,731	394,690	391,070		2,931	539
Minerals, nonmetallic	7,483,127	18,516,099	18,357,676	6,348,645	3,086,301	1,739,978	7,232,452
Cement	3,960	29,980	48,540	4,350	2,361	35,923	5,906
Sand and gravel	1,201,926	5,907,515	9,187,007	35,000	2,669,651	1,193,330	5,289,020
Stone	170,478	436,073	396,892	27,024	11,281	341,967	5,890
Coal	6,008,918	8,365,478	8,141,217	5,774,739	310,023	154,147	1,902,305
Coke	32,790	353,229	376,497	374,170		2,325	2
Fluorspar	1,622	2,360	6,643			6,643	
Crude oil	28,037	236,522	104,262	50,031	30,162	3,153	20,366
Gasoline and kerosene		72,236	94,630	79,149	7,809	56	7,566
Other refined oils	22,151	9,197	6,755	787	4,543	670	785
Sulphur		10,002					
ores, metals, etc.	389,793	538,085	981,999	566,232	190,454	22,123	203,200
Iron and steel, unmd.	150,128	210,960	462,070	232,793	145,035	13,391	70,796
Pipe	3,323						
Structural steel	103,827	327,125	519,929	333,424	45,369	3,732	132,404
Other iron and steel	221,914						
Machinery and vehicles	3,631	44,953	62,052	2,794	16,933	1,958	40,967
Machinery	3,162	6,996	3,350	1,059	478	917	926
Boats and barges		37,377	57,822	1,735	16,455	270	39,362
Automobiles and trucks	181	580	850			171	670
Chemicals	2,493	23,820	33,178	26,397	109	4,567	2,105
Acids		20,758	20,459	26,305		3,101	53
Fertilizers	2,343	3,063	2,744		100	1,466	1,169
Unclassified	208,069	158,488	144,800	37,911	10,103	46,114	60,672

¹ Scrap iron.

² Manufactured iron and steel.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 468.—OHIO RIVER TRAFFIC: TONNAGE, TON-MILEAGE, AND FREIGHT

NOTE.—Figures exclude ferry traffic. In 1927 the tons of freight carried on ferries were reported as 2,064,878, but the hauls, of course, are very short. The passenger traffic other than on ferries for 1927 was: Passengers, 2,064,513; passenger miles, 26,055,734. Leaders indicate data not available

Year	Freight carried	Ton-miles	Value of freight	Year	Freight carried	Ton-miles	Value of freight
	1,000 short tons	Thousands	1,000 dollars		1,000 short tons	Thousands	1,000 dollars
1914	7,589		38,069	1925—Total	15,787	825,497	161,922
1915	7,346	1,095,423	50,906	Up	3,353	77,673	49,208
1916	6,045	598,383	38,774	Down	12,384	747,824	102,414
1917	4,509	378,491	70,510	1926—Total	19,755		150,098
1918	6,171	315,504	77,085	Up	4,782		40,931
1919	5,004	604,751	88,912	Down	14,973		109,155
1920	9,382	1,138,915	223,443	1927—Total	20,129	1,214,491	188,428
1921	7,308	844,895	93,275	Up	1,854		23,524
1922	6,292	807,793	144,796	Down	7,569		49,446
1923	8,281		110,022	Inbound	7,439		74,649
1924	10,867		128,356	Outbound	3,266		20,804

No. 469.—LOWER MISSISSIPPI RIVER TRAFFIC: FREIGHT BY SECTIONS, AND PETROLEUM AT BATON ROUGE

NOTE.—In short tons of 2,000 pounds. Each section of the river is treated separately and some of the traffic of each is duplicated in others. The section "Between Ohio and Missouri Rivers" for 1921 and previous years was reported as "St. Louis to Cairo." Ferry traffic is not included

Year	Between Ohio and Missouri Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans		Petroleum, Baton Rouge	
	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound to	Down-bound from
1921	104,724	909,426	185,289	717,534	953,631	646,116	3,443,908	3,870,427	104,573	1,136,398
1922	202,446	345,698	369,194	554,192	801,841	639,207	2,177,686	3,366,820	1,442,596	2,405,022
1923	293,729	459,399	525,828	652,494	724,953	727,884	1,533,830	3,009,417	740,391	2,614,074
1924	300,009	458,719	528,431	624,590	617,475	748,365	1,589,202	6,044,078	706,493	872,316
1925	420,246	538,323	651,002	1,037,622	1,391,234	1,321,025	1,963,254	7,738,396	407,616	599,639
1926	420,379	555,600	732,729	927,459	1,165,142	1,627,638	1,492,325	9,612,163	529,050	1,116,517
1927	448,450	659,743	839,718	1,304,599	1,371,134	2,986,963	1,727,352	7,089,393	354,117	4,447,025

	Between Ohio and Missouri Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	1926	1927	1926	1927	1926	1927	1926	1927
Upbound	420,379	448,450	732,729	839,721	1,165,142	1,371,134	1,462,325	1,727,352
Coffee, cocoa, and spices	9,469	7,636	14,424	12,372	16,451	15,174	17,371	16,557
Sugar	77,622	116,761	201,028	282,513	279,512	367,115	306,435	381,443
Sisal and hemp	15,445	5,621	33,342	15,627	33,342	15,627	33,342	15,627
Burlap and bagging		1,711	7,524		11,652		11,652	
Logs, barged	34,292	30,895	151,829	150,230	55,960	109,511	113,860	72,173
Petroleum and products	697	185	5,873	8,069	102,472	203,900	633,024	763,496
Receipts at Baton Rouge							529,690	354,117
Shipments from Baton Rouge								186,313
Gravel and sand	540	27	32,000	30,023	300,356	215,919	1,255	16,660
Cement		24		3	50,018	1,676	985	775
Bauxite ore	150,553	132,317	202,036	244,944	202,030	244,944	202,036	244,944
Sulphur		187	11,539	14,857	11,539	14,857	11,539	14,857
All other	125,761	153,195	73,134	81,083	101,814	182,508	130,230	210,820
Downbound	585,699	659,743	927,459	1,304,599	3,627,639	2,986,963	9,612,163	7,089,393
Wheat	123,529	154,719	116,660	158,555	116,660	158,587	116,660	158,555
Corn	41,056	7,870	49,938	8,093	49,818	8,183	50,318	8,203
Tobacco		243	348	1,157	13,452	26,024	13,475	26,000
Cotton, raw		1	2,051	1,379	39,069	49,169	56,326	59,149
Logs, barged			70,388	190,562	346,994	143,475	140,788	128,724
Logs, rafted or floated		6,623	12,897	16,100	25,920	81,942	63,704	81,188
Coal and coke	8,392	6,358	81,565	144,811	76,492	81,492	10,456	5,728
Petroleum and products	6,652	4,065	2,146		240	2,301,711	1,803,310	8,768,963
Receipts at Baton Rouge							2,293,482	1,796,359
Shipments from Baton Rouge							6,116,617	447,025
Stone	153,497	204,603	67,910	48,294	270,282	26,597	342	600
Gravel and sand		3,027	159,000	233,745	270,000	204,108	157,607	1,235
Bauxite ore concentrates	13,820	11,510	19,617	17,532	19,617	17,532	19,617	17,532
Iron and steel manufactures	22,302	23,478	169,027	286,774	73,515	123,329	72,050	118,071
All other	216,351	237,247	134,912	191,367	219,119	263,195	147,952	239,628

1 Coastwise only.

Source of Tables 468 and 469: Annual Reports of the Chief of Engineers, United States Army.

No. 470.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 429. All data after 1840 are as of June 30

Year	Number			Thousands of gross tons			Tonnage (thousands of gross tons) employed in—			
	Total	Sailing ¹	Steam and motor	Total	Sailing ¹	Steam and motor	Foreign trade	Coastwise and internal trade	Whale fisheries	Cod and mackerel fisheries
1789 ¹				202	202		124	69		9
1800 ²				972	972		667	272	3	20
1810 ²				1,425	1,425		981	405	4	35
1820 ^{2,3}				1,280	1,280		584	588	36	72
1830 ^{2,4}				1,192	1,127	64	538	517	40	98
1840 ⁴				2,181	1,978	202	763	1,177	137	104
1850				3,535	3,010	525	1,440	1,798	146	152
1860				5,304	4,486	808	2,379	2,645	167	163
1870	28,998	25,474	3,524	4,247	3,171	1,075	1,449	2,638	98	91
1880	24,712	19,395	4,717	4,008	2,856	1,212	1,314	2,638	38	78
1890	23,467	17,502	5,965	4,424	2,565	1,859	928	3,409	19	68
1900	23,333	16,280	7,053	5,165	2,507	2,658	817	4,287	10	52
1910	25,740	13,288	12,452	7,508	2,608	4,900	783	6,669	9	47
1915	26,701	10,753	15,948	8,359	2,446	5,944	1,563	6,456	9	32
1916	26,444	10,393	16,061	8,470	2,400	6,070	2,185	6,245	7	33
1917	26,397	10,155	16,242	8,871	2,438	6,433	2,441	6,393	6	32
1918	26,711	10,053	16,658	9,925	2,453	7,471	3,599	6,282	4	38
1919	27,513	9,862	17,651	12,907	2,492	10,416	6,065	6,201	4	36
1920	28,183	9,369	18,814	16,324	2,501	13,823	9,925	6,358	4	38
1921	28,012	8,941	19,071	18,282	2,537	15,745	11,077	7,163	4	37
1922	27,368	8,398	18,960	18,463	2,481	15,982	10,720	7,703	4	36
1923	27,017	8,071	18,946	18,285	2,403	15,821	9,069	9,177	4	35
1924	26,575	7,825	18,750	17,741	2,425	15,315	8,794	8,911	3	32
1925	26,367	7,730	18,637	17,406	2,430	14,976	8,151	9,216	4	35
1926	26,343	7,654	18,689	17,311	2,403	14,948	7,719	9,552	3	38
1927	25,778	7,304	18,384	16,838	2,381	14,507	7,309	9,533	8	38
1928	25,385	7,115	18,270	16,683	2,336	14,347	6,934	9,706	7	36

Classes	Number					Thousands of gross tons				
	1900	1910	1920	1925	1928	1900	1910	1920	1925	1928
By utilization:										
Registered—										
Foreign trade	1,288	1,490	5,932	4,695	4,312	817	783	9,925	8,151	6,034
Whale fisheries	42	36	26	19	13	10	9	4	4	7
Enrolled—										
Coasting and internal trade	13,241	13,654	12,181	12,586	12,436	4,196	6,555	6,233	9,097	9,592
Cod and mackerel fisheries	545	305	196	185	219	44	39	32	29	30
Licensed—										
Coasting and internal trade	7,327	9,328	9,463	8,599	8,109	91	114	124	119	115
Cod and mackerel fisheries	890	837	385	283	296	8	8	6	6	7
By location:										
Atlantic and Gulf ⁵	16,532	17,084	16,850	15,723	14,541	2,728	3,523	9,730	11,108	10,372
Pacific ⁶	2,217	3,574	6,512	6,035	6,307	613	937	3,326	3,282	3,355
Northern lakes	3,167	3,273	3,091	2,677	2,537	1,566	2,895	3,139	2,853	2,773
Western rivers	1,417	1,809	1,730	1,932	2,000	268	164	120	162	182
By power:										
Sail	13,271	8,947	4,030	2,533	1,939	1,885	1,655	1,272	1,125	915
Steam ⁷	7,053	12,452	8,103	7,454	6,619	2,658	4,900	13,466	14,495	13,614
Motor ⁷			10,711	11,183	11,651			357	481	733
Canal boats	647	674	448	342	270	73	74	52	40	33
Barges	2,362	3,667	4,891	4,855	4,906	540	878	1,177	1,264	1,388
By material:										
Wood	22,108	23,527	23,781	21,384	20,318	3,572	3,301	3,876	2,907	2,619
Metal	1,225	2,213	4,402	4,983	5,067	1,593	4,117	12,448	14,499	14,004

¹ Including canal boats and barges. ² Dec. 31.³ The decrease of tonnage arises principally from the registered tonnage having been corrected in 1818, 1829, and 1830 by striking off all vessels the registers of which were granted prior to 1815, which were supposed by the collectors to have been lost at sea, captured, etc.⁴ Sept. 30.⁵ Including Porto Rico in 1910, 1920, 1925 and 1928, and also Virgin Islands in 1920, 1925 and 1928.⁶ Including Hawaii and Alaska. ⁷ Motor vessels included in steam in 1900 and 1910.

Source: Reports of the Commissioner of Navigation.

No. 471.—UNITED STATES MERCHANT MARINE: LARGER SEAGOING VESSELS, BY CLASSES AND SIZE, AS OF JULY 1

NOTE.—For definition of "gross ton" see general note, p. 429. The number and tonnage reached their maximum in 1921

	Number					Thousands of gross tons				
	1919	1921	1924	1927	1928	1919	1921	1924	1927	1928
Vessels of 500 gross tons or over, total	2, 658	3, 793	3, 322	2, 836	2, 695	7, 755	13, 234	12, 535	11, 376	11, 164
Private ownership.....	1, 676	1, 925	1, 683	1, 957	1, 934	3, 928	5, 241	6, 245	6, 836	7, 054
Shipping Board ¹	982	1, 768	1, 639	879	761	3, 827	7, 994	6, 290	4, 540	4, 110
Steam and gas.....	2, 888	2, 574	2, 218	2, 139	2, 139	12, 216	11, 675	10, 572	10, 434	10, 434
Sailing and unrigged.....	835	748	618	556	556	1, 019	970	804	730	730
Foreign trade.....	2, 559	1, 885	1, 805	1, 201	1, 201	10, 621	8, 415	6, 291	6, 162	6, 162
Coasting trade.....	1, 164	1, 437	1, 531	1, 494	1, 494	2, 614	4, 120	5, 085	5, 002	5, 002
Steel.....	1, 605	2, 549	2, 469	2, 195	2, 122	6, 308	11, 441	11, 387	10, 597	10, 461
Wood.....	1, 053	1, 174	858	641	573	1, 447	1, 793	1, 148	779	703
Power vessels of 1,000 gross tons and over, total	1, 729	2, 762	2, 461	2, 116	2, 037	6, 766	12, 116	11, 490	10, 496	10, 358
Steel.....	1, 436	2, 387	2, 310	2, 055	1, 982	6, 073	11, 210	11, 147	10, 389	10, 259
Wood.....	293	365	151	61	55	694	906	344	107	99
Passenger.....	208	238	197	198	202	887	1, 271	1, 214	1, 270	1, 317
Freight.....	1, 328	2, 145	1, 853	1, 532	1, 447	4, 822	8, 620	7, 817	6, 869	6, 669
Tank.....	179	351	396	372	374	982	2, 124	2, 377	2, 282	2, 297
Refrigerator.....	14	18	15	14	14	75	101	83	76	75
Steam engine.....	2, 007	2, 395	2, 042	1, 951	1, 951	11, 984	11, 315	10, 234	10, 024	10, 024
Oil burning.....	1, 595	1, 692	1, 632	1, 613	1, 613	8, 240	8, 889	8, 660	8, 647	8, 647
Coal burning.....	1, 102	703	410	338	338	3, 744	2, 426	1, 584	1, 377	1, 377
Oil engine (internal-combustion).....	55	266	274	280	280	132	175	262	394	394
Size—gross tons:										
1, 000 to 1, 999.....	186	151	165	125	116	207	234	205	185	174
2, 000 to 2, 999.....	652	879	630	425	367	1, 600	2, 209	1, 588	1, 102	949
3, 000 to 3, 999.....	221	362	306	230	227	754	1, 232	1, 058	762	751
4, 000 to 4, 999.....	133	199	230	215	213	610	922	1, 074	1, 005	996
5, 000 to 5, 999.....	215	558	503	505	508	1, 102	3, 110	2, 824	2, 806	2, 823
6, 000 to 6, 999.....	208	337	350	345	341	1, 325	2, 149	2, 220	2, 207	2, 177
7, 000 to 7, 999.....	60	158	163	145	145	450	1, 104	1, 133	1, 066	1, 067
8, 000 to 8, 999.....	26	54	58	57	59	217	451	485	477	494
9, 000 to 9, 999.....	3	10	23	27	26	28	96	220	259	249
10, 000 and over.....	25	44	43	42	45	234	548	629	627	678

¹ One thousand gross tons or over; the Shipping Board fleet is almost wholly of such vessels.

² Includes 9 vessels of 25,819 gross tons, propelled by electrically driven screws.

No. 472.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: YEARS ENDED JUNE 30

Yearly average or year	Number	Gross tons	Year		
			Number	Gross tons	
1797-1800.....		72, 574	1910.....	1, 361	342, 068
1801-1810.....		1 102, 452	1911.....	1, 422	291, 162
1811-1820.....		89, 797	1912.....	1, 505	282, 669
1821-1830.....	790	89, 372	1913.....	1, 475	346, 155
1831-1840.....	924	118, 960	1914.....	1, 151	316, 250
1841-1850.....	1, 195	185, 309	1915.....	1, 157	225, 122
1851-1860.....	1, 466	366, 603	1916.....	937	325, 413
1861-1870.....	1, 654	299, 602	1917.....	1, 297	664, 479
1871-1880.....	1, 455	253, 800	1918.....	1, 528	1, 300, 363
1881-1890.....	1, 056	230, 197	1919.....	1, 953	3, 326, 621
1891-1900.....	1, 055	235, 699	1920.....	2, 007	3, 689, 939
1901-1910.....	7, 311	418, 178	1921.....	1, 361	2, 265, 115
1911-1920.....	1, 449	1, 090, 938	1922.....	845	661, 232
1904.....	1, 184	378, 542	1923.....	770	335, 630
1905.....	1, 102	330, 316	1924.....	1, 049	223, 968
1906.....	1, 221	418, 745	1925.....	967	199, 846
1907.....	1, 157	471, 332	1926.....	924	224, 673
1908.....	1, 457	614, 216	1927.....	917	245, 144
1909.....	1, 247	235, 090	1928.....	909	267, 180

¹ Nine-year average, there being no record of the tonnage for 1802.

Source of Tables 471 and 472: Reports of the Commissioner of Navigation.

No. 473.—VESSELS BUILT IN UNITED STATES: BY CLASSES AND REGIONS

NOTE.—For definition of "gross ton" see general note p. 423. Data are for years ended June 30

Class and where built	1901-1910, average	1911-1915, average	1916-1920, average	1921-1925, average	1925	1926	1927	1928
BUILT AND DOCUMENTED IN THE UNITED STATES								
Total.....number.....	1,311	1,942	1,556	998	967	924	917	960
Gross tons.....	418,178	282,272	1,899,604	737,190	199,846	224,873	245,144	257,180
Sailing.....number.....	300	70	82	38	28	11	8	5
Gross tons.....	59,857	16,339	70,590	27,685	2,869	263	326	230
Steam and gas.....number.....	681	911	1,111	697	679	645	661	675
Gross tons.....	287,593	200,669	1,734,296	630,341	141,053	140,586	181,504	172,901
Canal boats.....number.....	46	36	19	9	2	7	10	1
Gross tons.....	5,022	4,090	2,013	1,048	270	1,508	2,147	140
Barges.....number.....	284	325	344	254	258	261	238	288
Gross tons.....	65,705	61,164	92,090	69,121	55,654	82,316	61,167	83,909
Metal.....gross tons.....	270,852	181,166	1,511,043	631,100	125,693	132,646	179,756	201,437
Wood.....do.....	147,326	101,106	388,561	106,081	74,153	92,027	65,388	55,743
Gross tons built on:								
New England coast.....	59,491	21,474	112,835	45,013	5,615	4,995	6,574	11,434
Middle Atlantic and Gulf coasts.....	130,220	149,941	833,438	442,721	76,784	131,094	124,068	146,532
Pacific coast.....	34,482	34,439	687,070	174,926	41,534	22,069	45,565	23,715
Northern lakes.....	184,724	69,794	260,138	58,317	66,087	55,169	52,746	50,478
Western rivers.....	9,256	6,023	6,117	15,313	9,826	9,846	16,191	25,021

BUILT FOR FOREIGNERS¹

	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1927	1928
Number.....	1	2	5	36	41	22	59	23	33	10	4	7	9	12
Gross tons.....	12	414	275	2,949	124,560	43,631	121,068	39,507	65,938	56,931	17,408	272	610	1,228

¹ None were built for foreigners in 1924 and 1925.

Source: Reports of the Commissioner of Navigation.

No. 474.—MERCHANT VESSELS LAUNCHED: WORLD TOTAL AND UNITED STATES

NOTE.—Vessels of 100 gross tons and over. For definition of "gross ton" see general note, p. 429. Vessels under construction Dec. 31, 1928, numbered 622 of 2,618,001 gross tons

Calendar year	World				United States	
	Total		Steam and motor		Number	Gross tons
	Number	Gross tons	Number	Gross tons		
1910-1914, average.....	1,533	2,730,079	1,180	2,631,779	162	252,864
1915-1920, average ¹	1,498	4,046,860	1,296	3,918,746	513	1,877,332
1921-1925, average.....	942	2,578,620	830	2,531,592	99	313,321
1918 ¹	1,866	5,447,444	1,697	5,341,199	929	3,033,030
1919 ¹	2,483	7,144,549	2,095	6,788,632	1,051	4,075,385
1920.....	1,769	5,861,666	1,563	5,742,984	509	2,476,253
1921.....	1,377	4,341,670	1,205	4,274,375	173	1,006,413
1922.....	851	2,467,084	745	2,425,729	59	119,138
1923.....	701	1,643,181	620	1,614,790	83	172,817
1924.....	924	2,247,751	838	2,200,741	79	139,463
1925.....	855	2,193,404	742	2,142,325	101	128,776
1926.....	600	1,674,977	525	1,630,134	78	150,613
1927.....	802	2,285,679	734	2,239,522	66	179,218
1928.....	869	2,699,239	809	2,660,321	63	91,357

¹ Figures during the war period are shown only for allied and neutral countries.

² Figures for Germany are omitted because complete totals for that country are not available.

Source: Lloyd's Register of Shipping.

No. 475.—MERCHANT MARINE OF THE WORLD AND THE UNITED STATES

NOTE.—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia are not included. Figures for Philippine Islands are included with United States beginning with 1910. See general note, p. 429

Year	World total		United States		Year	World total		United States		Year	World total		United States	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons		1,000 tons	1,000 tons	1,000 tons	1,000 tons		1,000 tons	1,000 tons	1,000 tons	
1895	25,086	2,165	1920	57,314	10,049	1925	64,841	15,377						
1900	28,957	2,750	1921	61,975	17,026	1926	64,784	14,879						
1905	35,998	3,996	1922	64,371	17,062	1927	65,193	14,670						
1910	41,913	5,059	1923	65,166	16,945	1928	66,955	14,633						
1915	49,262	5,893	1924	64,024	15,957									

	Number					Thousands of tons (see headnote)					
	1900	1910	1920	1925	1928	1900	1910	1914	1920	1925	1928
	World total	28,422	30,058	31,595	32,916	32,405	29,044	41,915	49,080	57,314	64,841	66,955
Steam and motor	15,898	22,008	23,613	23,205	23,387	22,369	37,291	45,404	53,005	62,390	65,159
Steel and iron	14,548	20,403	23,382	23,468	23,029	21,915	36,769	44,934	51,061	61,317	64,364
Wood and composite	1,360	1,605	3,131	2,737	2,458	454	521	470	2,244	1,063	796
Sailing	12,524	8,050	5,082	3,711	3,021	6,674	4,624	3,686	3,409	2,261	1,705
Steel and iron	2,468	2,115	1,314	919	786	2,992	2,508	2,095	1,524	954	744
Wood and composite	10,066	5,935	3,768	2,792	2,235	3,682	2,116	1,590	1,885	1,307	1,061
United States	3,135	3,469	5,457	4,882	4,435	2,760	5,059	5,368	16,049	15,377	14,633
Steam and motor	932	1,712	4,110	3,921	3,653	1,455	3,827	4,330	14,574	14,272	13,703
Steel and iron	638	1,270	3,242	3,349	3,120	1,267	3,602	4,120	13,341	13,882	13,394
Wood and composite	294	442	868	572	533	188	226	210	1,234	391	300
Sailing	2,203	1,757	1,347	961	782	1,295	1,232	1,038	1,475	1,105	931
Steel and iron	93	139	154	155	148	180	246	236	304	323	295
Wood and composite	2,110	1,618	1,193	806	634	1,116	987	803	1,171	782	636

No. 476.—EXPENSES AND REVENUES OF THE PANAMA CANAL

Year ended June 30—	Transit operations					Business operations		
	Tolls	Taxes, licenses, fees, fines, postal receipts, etc.	Total transit revenues	Net canal transit expenses	Net revenues (surplus)	Business revenues	Business expenses	Net revenues (surplus)
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1914	14,619	14,619	160,031	160,031	161,418	690,298	695,721	5,427
1915	4,343,384	4,343,384	4,123,123	4,123,123	2,266	2,135,075	2,191,470	64,605
1916	2,399,830	168,712	2,658,542	5,999,750	4,411,203	6,488,522	6,476,623	11,898
1917	5,631,732	176,617	5,808,309	6,788,048	1,979,649	7,579,588	7,540,161	39,423
1918	6,264,766	147,078	6,411,843	5,920,343	491,500	10,324,072	10,317,912	6,160
1919	6,156,119	197,898	6,354,017	6,112,195	241,822	13,684,881	13,623,854	61,027
1920	8,403,083	442,739	8,936,872	6,548,272	2,387,609	14,705,372	14,465,636	239,736
1921	11,261,919	778,197	12,040,117	9,328,300	2,711,817	15,229,317	14,668,109	564,211
Total ¹	44,565,501	1,901,291	46,466,792	45,986,067	480,725	70,840,125	69,970,538	869,587
Adjusted status to 1921 ²	44,565,501	1,420,566	45,986,067	45,986,067	---	71,460,710	70,359,400	1,100,310
1922	11,193,383	192,209	11,385,592	7,919,018	3,466,575	7,747,228	7,423,068	323,259
1923	17,507,631	184,214	17,691,844	7,600,778	10,091,067	10,872,843	9,732,201	1,140,643
1924	24,289,609	392,251	24,681,854	8,373,906	16,307,949	12,968,777	12,067,153	901,624
1925	31,374,694	207,954	31,582,648	8,116,693	13,465,925	14,594,115	13,798,198	795,917
1926	22,927,456	217,680	23,145,137	7,993,468	15,151,668	15,874,478	15,033,168	841,310
1927	24,217,185	391,624	24,608,809	8,997,715	15,611,094	15,878,655	15,002,118	876,537
1928	26,943,613	232,533	27,176,046	8,951,201	18,224,845	16,929,317	16,192,623	736,719
Grand total	193,013,637	3,239,630	196,257,866	104,028,845	82,220,121	166,285,063	159,808,734	6,686,319

¹ Deficit.

² To and including 1921 "Net revenues from business operations" shown in last column are included in "Taxes, licenses, etc.," "Total transit revenues," and "Net revenues from transit operations"; therefore the \$480,725 shown under the latter is the net revenue to June 30, 1921, from all operations. In the adjusted total this item is transferred to "Surplus from business operations" by deducting from the amount shown in this column \$379,862, which is added to "Business expenses," to "Business revenues," and to "Surplus from business operations," to which is also added \$619,585 interest on public works in Panama and Colon received prior to June 30, 1921, but not taken up as a canal revenue.

Sources: Table 475, Lloyd's Register; Table 476, Report of the Governor of the Panama Canal.

No. 477.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: By NATIONALITY OF VESSEL

NOTE.—See general note, p. 429. Net tonnage is according to Panama Canal measurement

Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)	Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
Total traffic:					Chilean:				
1915-1928, total.	46,833	204,137	193,808	215,266	1915-1928, total.	774	2,350	2,062	1,348
1915	1,075	3,793	4,368	4,888	1927	27	114	107	87
1916	758	2,396	2,408	3,094	1928	32	125	110	82
1917	1,803	5,799	5,627	7,059	Danish:				
1918	2,069	6,574	6,439	7,532	1915-1928, total.	736	2,672	2,570	3,691
1919	2,024	6,125	6,173	6,917	1927	46	198	198	262
1920	2,478	8,546	8,514	9,374	1928	69	285	272	380
1921	2,892	11,416	11,277	11,599	Dutch:				
1922	2,736	11,417	11,108	10,885	1915-1928, total.	956	4,046	4,284	4,833
1923	3,067	18,606	17,508	19,568	1927	105	575	542	572
1924	5,230	26,149	24,291	26,905	1928	137	644	561	637
1925	4,673	22,855	21,401	23,959	Peruvian:				
1926	5,197	24,775	22,931	26,037	1915-1928, total.	865	2,217	1,710	1,368
1927	5,475	26,228	24,229	27,748	1927	93	143	123	108
1928	6,456	29,450	26,944	29,631	1928	53	140	103	96
United States:					French:				
1915-1928, total.	20,098	99,698	93,630	108,022	1915-1928, total.	901	3,583	3,690	3,540
1915	459	1,700	2,003	2,138	1927	116	536	518	530
1916	213	653	724	849	1928	127	581	577	600
1917	404	1,239	1,298	1,476	Swedish:				
1918	667	1,704	1,714	2,098	1915-1928, total.	600	2,415	2,039	3,494
1919	784	2,257	2,327	2,759	1927	106	395	330	652
1920	1,120	3,791	3,806	4,547	1928	111	480	397	705
1921	1,210	4,862	4,785	5,163	Spanish:				
1922	1,095	4,972	4,867	4,951	1917-1928, total.	339	1,069	1,056	750
1923	1,994	10,200	9,474	11,055	1927	30	111	103	48
1924	2,047	15,807	14,483	16,654	1928	46	157	151	105
1925	2,326	12,271	11,302	13,080	Italian:				
1926	3,432	12,565	11,540	13,711	1915-1928, total.	491	2,135	2,191	1,680
1927	2,685	13,015	12,720	15,242	1927	74	344	363	308
1928	2,753	13,753	12,646	14,240	1928	118	581	568	490
British:					German:				
1915-1928, total.	13,729	60,333	57,940	50,717	1920-1928, total.	1,167	4,464	4,069	5,197
1927	1,351	6,043	6,453	6,437	1927	212	780	708	974
1928	1,842	8,977	8,074	8,075	1928	316	996	893	1,185
Norwegian:					Miscellaneous:				
1915-1928, total.	2,373	8,391	7,704	9,570	1915-1928, total.	1,228	2,387	2,176	2,500
1927	265	908	800	1,052	1927	230	448	397	439
1928	313	1,181	1,052	1,268	1928	351	649	579	708
Japanese:									
1915-1928, total.	1,676	7,748	8,187	9,619					
1927	165	818	863	1,037					
1928	188	909	949	1,041					

No. 478.—COMMERCIAL TRAFFIC THROUGH PANAMA CANAL: By DIRECTION

NOTE.—A to P=Atlantic to Pacific; P to A=Pacific to Atlantic. See also general note, p. 429

Years ended June 30—	Number of vessels	Thousands of gross tons	Thousands of net tons ¹	Thousands of cargo tons		
				Total	A to P	P to A
1915	1,075	5,417	3,793	4,888	2,071	2,817
1916	758	3,597	2,396	3,094	1,369	1,725
1917	1,803	5,531	5,799	7,059	2,929	4,120
1918	2,069	6,574	6,574	7,532	2,659	4,893
1919	2,024	6,125	6,125	6,917	2,740	4,176
1920	2,473	11,060	8,546	9,374	4,093	5,282
1921	2,892	14,522	11,410	11,599	5,892	5,707
1922	2,736	14,361	11,417	10,885	6,496	5,389
1923	3,907	23,693	18,606	19,568	7,086	12,482
1924	5,230	33,412	26,149	26,905	7,860	19,135
1925	4,673	29,148	22,855	23,959	7,398	16,560
1926	5,197	31,673	24,775	26,037	8,037	18,000
1927	5,475	33,566	26,228	27,748	8,583	19,165
1928	6,456	37,203	29,450	29,631	8,310	21,321

¹ Panama Canal measurement.

Source of Tables 477 and 478: Report of the Governor of the Panama Canal.

No. 479.—CARGO TONNAGE THROUGH PANAMA CANAL: BY ORIGIN AND DESTINATION, YEARS ENDED DECEMBER 31

[In thousands of cargo tons of 2,240 pounds]

Origin and destination	Atlantic to Pacific			Origin and destination	Pacific to Atlantic		
	1926	1927	1928		1926	1927	1928
Grand total.....	8,420	8,408	9,098	Grand total.....	19,168	20,697	20,336
To W. coast United States.....	3,308	3,437	3,802	To E. coast United States.....	12,077	11,797	10,746
To W. coast other N. America.....	626	627	607	To E. coast other N. America.....	1,816	1,850	1,224
To W. coast S. America.....	1,193	1,165	1,234	To Europe.....	6,520	6,609	8,188
To Asia.....	1,804	1,742	2,061	To Africa and S. America.....	254	441	179
To Australasia.....	1,489	1,434	1,363	From W. coast United States, total.....	11,879	12,427	10,088
From E. coast United States, total.....	5,639	5,629	6,009	To E. coast United States.....	8,267	8,183	6,848
To W. coast United States.....	2,655	2,725	2,915	To E. coast other N. America.....	740	1,023	408
To W. coast other N. America.....	180	144	156	To Europe.....	2,560	2,966	2,606
To W. coast S. America.....	432	365	366	To Africa and S. America.....	103	255	47
To Asia.....	1,576	1,634	2,013	From W. coast other N. America, total.....	1,970	2,006	3,295
To Australasia.....	796	761	558	To E. coast N. America.....	813	719	628
From E. coast other N. America, total.....	700	585	619	To Europe.....	1,131	1,263	2,683
To W. coast N. America.....	208	231	294	To Africa and S. America.....	26	23	34
To W. coast S. America.....	81	91	97	From W. coast S. America, total.....	4,559	5,139	5,666
To Asia.....	215	87	41	To E. coast United States.....	2,773	2,534	2,869
To Australasia.....	196	170	180	To E. coast other N. America.....	1,367	562	451
From Europe, total.....	1,943	2,008	2,282	To Europe.....	1,295	1,880	2,258
To W. coast N. America.....	771	801	933	To Africa and S. America.....	124	164	98
To W. coast S. America.....	674	699	764	From Asia and Australasia, total.....	957	1,128	1,289
To Asia and Australasia.....	498	508	585	To E. coast N. America.....	424	626	685
From E. coast S. America and Africa, total.....	138	183	158	To Europe.....	534	500	602

Source: Panama Canal Record.

No. 480.—LIVES LOST BY ACCIDENT ON VESSELS SUBJECT TO UNITED STATES STEAMBOAT INSPECTION SERVICE: YEARS ENDED JUNE 30

Cause	1922	1923	1924	1925	1926	1927	1928		
							Total	Passengers	Crew
Total.....	266	247	267	310	368	262	275	61	194
Fire.....	8	7	8	31	8	6	17	-----	17
Collision.....	5	20	9	3	4	8	10	7	12
Grounding.....	-----	-----	4	1	-----	1	2	-----	2
Wreck.....	-----	-----	22	-----	11	1	-----	-----	-----
Explosion, escape of steam, etc.....	12	10	10	9	97	13	8	-----	8
Foundered in storm.....	11	5	38	43	4	12	7	-----	7
Sinking.....	52	14	19	8	52	22	28	27	1
Accidental drowning.....	87	94	107	100	89	104	100	20	80
Suicide.....	34	39	31	36	36	34	30	20	10
Miscellaneous.....	57	68	40	39	67	61	64	7	57

Source: Steamboat Inspection Service, Department of Commerce.

No. 481.—UNITED STATES COAST GUARD: YEARS ENDED JUNE 30

Item	1927	1928	Item	1927	1928
Lives saved or persons rescued from peril.....	3,313	3,983	Instances of lives saved and vessels assisted.....	2,791	3,262
Persons on board vessels assisted.....	14,490	17,383	Instances of miscellaneous assistance.....	2,717	3,584
Persons in distress cared for.....	899	690	Derelicts and other obstructions to navigation removed or destroyed.....	136	167
Vessels boarded and papers examined.....	68,223	65,710	Value of vessels assisted (including cargoes).....	\$37,801,357	\$39,470,729
Vessels seized or reported for violations of law.....	1,788	1,554	Total expended and obligated for the Coast Guard.....	\$24,026,321	\$27,854,307
Fines and penalties incurred by vessels reported.....	\$375,069	\$279,510			

Source: Annual Reports of the Secretary of the Treasury.

No. 482.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: By Regions

NOTE.—The table covers all disasters involving damage or loss amounting to \$300 or more. The figures exclude some reports of casualties to United States vessels received after the closing of the report for the year which are not distributed by regions. These were in 1927 as follows: Number of vessels completely lost, 18; tonnage, 5,074; vessels partially lost, 28; tonnage, 90,563; value of property lost, vessels \$570,127, cargoes \$4,500, persons on board, passengers 27, crews 804; loss of life, 1. Casualties to United States vessels in the Panama Canal Zone, which are excluded, were in 1928 as follows: Vessels involved, 12; tonnage, 70,113; property loss, \$128,380; persons on board, 458; no loss of life

Yearly average or year	Number of vessels		Vessel capacity—1,000 tons		Losses—1,000 dollars		Persons on board		Lives lost
	Complete loss	Partial loss	Complete loss	Partial loss	To vessel	To cargo	Passengers	Crews	
Total:									
1905-1010.....	358	1,091	145	1,666	10,781	2,671	17,038	21,054	461
1911-1915.....	290	952	126	1,490	9,561	2,341	17,889	22,295	288
1916-1920.....	322	978	192	1,487	39,440	13,803	9,889	19,733	051
1921-1925.....	253	665	113	1,808	18,794	4,374	10,207	19,859	189
1920.....	285	789	215	2,089	54,955	17,612	14,499	26,100	551
1921.....	222	555	122	1,435	28,065	6,209	7,081	16,005	206
1922.....	277	630	131	1,702	18,728	3,976	8,989	19,065	227
1923.....	273	707	117	1,941	17,203	3,711	14,144	21,198	116
1924.....	237	708	96	1,817	14,201	3,803	8,861	20,255	202
1925.....	255	725	95	1,086	15,177	4,114	11,958	22,771	196
1926.....	264	728	94	2,015	15,997	4,324	12,331	21,970	236
1927.....	300	933	118	2,788	18,704	5,316	10,493	27,635	222
1928.....	273	769	107	2,286	16,570	4,136	14,856	23,482	166
Atlantic, Gulf, and Pacific coasts of the United States:									
1921-1925.....	148	370	58	802	8,856	1,895	5,966	9,908	98
1926.....	163	421	59	1,018	10,364	2,055	8,244	12,236	145
1927.....	175	510	63	1,303	10,240	1,627	5,629	13,602	125
1928.....	170	456	52	1,176	8,185	1,786	6,652	12,237	73
Great Lakes:									
1921-1925.....	20	92	11	357	1,894	192	1,491	2,586	25
1926.....	18	73	4	215	1,366	120	1,513	1,792	17
1927.....	20	109	17	409	2,823	197	927	3,286	6
1928.....	18	118	13	435	3,063	27	2,605	2,965	31
Rivers of the United States:									
1921-1925.....	45	86	7	160	1,815	127	820	1,881	12
1926.....	49	108	4	260	1,542	33	1,422	2,873	8
1927.....	68	136	7	314	1,994	158	1,152	3,217	24
1928.....	54	74	9	161	1,581	220	2,088	1,860	11
At sea and on the coasts of foreign countries:									
1921-1925.....	39	118	36	490	6,230	2,161	1,000	5,484	55
1926.....	24	126	27	521	2,325	2,116	1,152	5,069	66
1927.....	37	178	31	761	3,647	3,333	2,785	7,530	69
1928.....	31	121	32	523	3,761	2,102	3,421	6,420	51

Source: Reports of the United States Coast Guard, Treasury Department.

No. 483.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: NET APPROPRIATIONS AND ALLOTMENTS FROM INCEPTION TO JULY 1, 1928

For fiscal years ended prior to July 1, 1927.....	83,561,403,191
United States Shipping Board.....	4,456,185
United States Shipping Board Emergency Fleet Corporation.....	3,557,006,006
Act of Sept. 7, 1916, permanent fund.....	50,000,000
Acts from June 15, 1917, to June 12, 1922, emergency shipping fund.....	3,325,863,602
Acts of Feb. 13, 1923, June 7, 1924, Mar. 3, 1925, and Apr. 22, 1926, current maintenance and operations.....	117,900,000
Act of June 12, 1922, claims, damage charges, and miscellaneous adjustments.....	38,254,185
Acts of Apr. 17, 1917, and July 1, 1918, national security and defense (presidential allotments).....	24,988,319
For fiscal year ended June 30, 1928.....	17,290,000
United States Shipping Board.....	200,000
United States Shipping Board Emergency Fleet Corporation—for current maintenance and operations.....	17,090,000
For fiscal year ending June 30, 1929.....	18,688,750
United States Shipping Board.....	288,750
United States Shipping Board Emergency Fleet Corporation.....	18,400,000
Current maintenance and operations.....	13,400,000
Operation of trade lines, ex-purchasers (expenditures on approval of President of the United States).....	5,000,000
Net appropriations and allotments to June 30, 1929.....	3,597,440,941

Source: United States Shipping Board.

No. 484.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: STATEMENT OF PROFIT AND LOSS (EXCLUDING LIQUIDATION), FISCAL YEAR 1928

[All money figures in thousands of dollars]

	Grand total	Ocean operations					Tugs	Chartered vessels
		Total	United States lines	Other passenger lines	Freighters	Tankers		
Number of voyages terminated.....	1,280	1,272	61	62	1,095	64	8	-----
Cargo carried,.....thousand tons.....	9,816	9,816	202	164	8,852	598	-----	-----
Passengers carried.....	94,170	94,170	88,891	5,279	-----	-----	-----	-----
Voyage revenue, estimated.....	78,602	78,501	16,266	2,651	58,218	1,865	58	48
Operating costs, total.....	83,703	83,654	16,781	2,734	72,988	1,200	30	18
Voyage expense.....	76,724	76,700	14,223	2,331	59,284	862	24	-----
Adjustment.....	1,094	1,094	162	60	850	22	-----	-----
Insurance.....	4,104	4,099	409	83	3,504	103	2	4
Repairs—								
Maintenance.....	6,668	6,656	964	123	5,394	175	4	9
Betterments.....	639	639	235	36	315	2	-----	-----
Advertising.....	572	572	332	24	166	-----	-----	-----
Administrative expense.....	3,902	3,895	306	76	3,477	37	(1)	6
Profit or loss on vessel operations.....	¹ 15,100	² 15,153	² 65	² 35	² 14,770	165	23	30
Expenses of inactive vessels.....	2,073	-----	-----	-----	-----	-----	-----	-----
Miscellaneous income.....	804	-----	-----	-----	-----	-----	-----	-----
Net loss.....	16,279	-----	-----	-----	-----	-----	-----	-----

¹ \$430.

² Loss.

Source: United States Shipping Board.

No. 485.—SHIPPING BOARD VESSELS SOLD; BY TYPE.

NOTE.—Data for earlier years are as follows: 1921, grand total, 50 vessels of 254,125 dead-weight tons; 20 steel vessels of 157,875 dead-weight tons; 30 wood vessels of 96,250 dead-weight tons; 1922, grand total, 262 vessels of 1,510,676 dead-weight tons; 104 steel vessels of 582,249 dead-weight tons; 1 concrete vessel of 7,500 dead-weight tons; 10 composite vessels of 35,600 dead-weight tons; and 247 wood vessels of 835,327 dead-weight tons; 1923, grand total, 112 vessels of 728,721 dead-weight tons; 106 steel vessels of 705,108 dead-weight tons; 1 concrete vessel of 3,078 dead-weight tons; 1 composite vessel of 3,575 dead-weight tons, and 4 wood vessels of 16,960 dead-weight tons

Type	1924		1925		1926		1927		1928	
	Number	Dead-weight tons ¹	Number	Dead-weight tons ¹	Number	Dead-weight tons ¹	Number	Dead-weight tons ¹	Number	Dead-weight tons ¹
Grand total.....	49	345,396	147	768,142	273	1,415,536	49	304,921	82	692,876
Steel vessels.....	46	328,224	141	747,474	275	1,415,536	48	304,921	81	692,876
Cargo.....	22	122,980	107	545,198	258	1,250,156	37	215,175	76	649,602
Passenger.....	12	136,510	8	91,999	8	90,825	1	11,000	-----	-----
Tankers.....	4	40,102	9	84,627	6	53,500	9	71,668	4	34,574
All other.....	6	11,325	15	4,000	-----	-----	-----	-----	1	8,700
For conversion to Diesel—										
Cargo.....			1	11,679	-----	-----	-----	-----	-----	-----
Tankers.....	2	17,307	1	9,971	3	21,055	1	7,078	-----	-----
Concrete vessels.....	3	17,172	2	9,298	-----	-----	-----	-----	-----	-----
Composite vessels: Cargo.....	-----	-----	1	3,500	-----	-----	-----	-----	-----	-----
Wood vessels.....	-----	-----	3	7,870	3	-----	1	-----	1	-----

¹ See general note, p. 429. No tonnage is shown on tugs; the number includes tugs.

Source: United States Shipping Board.

No. 486.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD
MERCHANT FLEET CORPORATION: AS OF DECEMBER 31, 1928

NOTE.—For definition of dead-weight tons see general note, p. 429. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

Origin and class	1923		1928		Class	1923		1928	
	Dead-weight tons	Number	Dead-weight tons	Number		Dead-weight tons	Number	Dead-weight tons	Number
Grand total.....	9,185,462	717	5,624,665		Active steel.....	3,362,576	260	2,295,014	
ORIGIN					Cargo.....	2,875,947	243	2,163,356	
Requisitioned steel.....	1,461,634	125	1,058,852		Cargo and passenger.....	278,734	11	115,330	
Contract steel.....	7,280,775	500	4,364,192		Tankers.....	104,158	2	19,298	
Contract wood or concrete.....	63,153	1	7,500		All other.....	13,737	4		
Purchased.....	158,546	13	106,462		Temporarily inactive steel.....	206,847			
Seized enemy.....	215,144	8	87,659		Inactive steel.....	5,550,476	446	3,319,151	
All other.....	5,900	3			Cargo.....	5,126,361	430	3,174,441	
CLASS					Cargo and passenger.....	127,052	2	17,000	
Steel.....	9,119,889	709	5,617,165		Refrigerators.....	82,483	13	92,220	
Cargo (completed).....	8,140,521	672	5,328,427		U. S. Army transports.....	38,235			
Cargo and passenger.....	431,768	13	132,330		Tankers.....	175,445	4	35,400	
Tankers.....	305,055	6	54,788		Wood and composite, active and inactive, and concrete.....	65,553	1	7,500	
Refrigerators.....	100,920	13	92,220						
Transports.....	38,235								
All other.....	13,400	5	9,400						
Wood and composite and concrete.....	65,553	1	7,500						

¹ Includes 7 tugs.

No. 487.—CARGO TONNAGE OF FOREIGN AND INTERCOASTAL COMMERCE

NOTE.—In thousands of cargo tons of 2,240 pounds. Coastwise trade other than from Atlantic and Gulf to Pacific and vice versa is not included

	Total United States ports			Atlantic coast ports			Gulf coast ports		
	1925	1926	1927	1925	1926	1927	1925	1926	1927
Total commerce.....	105,553	127,196	113,794	57,194	74,696	58,152	21,964	22,495	21,314
Inbound.....	53,821	56,878	54,570	32,868	36,578	35,698	8,977	8,477	6,664
Outbound.....	60,299	80,367	69,536	24,326	38,118	22,454	13,007	13,958	14,650
With foreign countries.....	92,801	112,826	99,118	48,040	63,962	47,210	20,959	21,488	20,029
Imports.....	43,135	44,686	42,183	26,151	28,614	27,436	8,539	8,181	6,094
Exports.....	49,066	68,140	56,935	21,889	35,343	19,774	12,420	13,304	13,935
Intercoastal.....	8,567	10,049	10,372	7,846	9,490	9,720	722	559	662
Inbound.....	8,567	10,049	10,372	5,949	7,268	7,565	409	245	278
Outbound.....	8,567	10,049	10,372	1,896	2,222	2,155	313	314	374
With noncontiguous territories.....	4,185	4,321	4,244	1,300	1,244	1,222	303	388	633
Imports.....	2,119	2,143	2,015	768	696	697	29	48	292
Exports.....	2,066	2,178	2,229	532	548	525	274	340	341
	Pacific coast ports			Great Lakes ports			Ports in noncontiguous territories ²		
Total commerce.....	22,107	26,900	28,912	12,635	13,214	15,728	7,283	7,562	7,566
Inbound.....	6,133	6,647	6,390	5,843	5,176	5,818	4,277	4,241	4,278
Outbound.....	15,974	20,253	22,522	6,992	8,038	9,910	5,566	3,321	3,288
With foreign countries.....	10,958	14,162	16,157	12,635	13,214	15,728	1,877	2,043	1,941
Imports.....	2,602	2,712	2,835	5,843	5,176	5,818	1,446	1,562	1,510
Exports.....	8,356	11,450	13,316	6,992	8,038	9,910	431	481	431
Intercoastal.....	8,567	10,049	10,372						
Inbound.....	2,200	2,536	2,529						
Outbound.....	6,368	7,513	7,843						
With noncontiguous territories.....	2,582	2,689	2,389				3,406	3,519	3,625
Imports.....	1,322	1,399	1,026				2,831	2,679	2,768
Exports.....	1,260	1,290	1,363				2,575	2,840	2,857

¹ Duplication in intercoastal trade is eliminated.

² With continental United States.

³ Including Philippine Islands.

Sources of Tables 486 and 487: United States Shipping Board.

No. 488.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS

NOTE.—In thousands of cargo tons of 2,240 pounds. This and the following tables do not include cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity

	Imports in vessels of—					Exports in vessels of—				
	Total	U. S. Shipping Board	Independent American	British	Other	Total	U. S. Shipping Board	Independent American	British	Other
Total:										
1921.....	33,057	4,835	18,635	(1)	9,587	48,431	7,254	11,150	(1)	30,027
1922.....	44,082	5,269	22,065	8,600	8,148	42,502	6,644	10,205	14,109	11,544
1923.....	43,296	3,031	19,753	9,218	11,294	49,080	6,003	9,236	18,824	14,087
1924.....	40,809	2,663	19,630	8,406	10,200	52,261	6,663	11,653	18,867	15,078
1925.....	43,135	2,285	18,930	9,586	12,334	49,666	5,624	10,692	18,866	15,564
1926.....	44,086	2,898	18,217	10,702	12,879	68,140	5,591	11,531	23,269	22,749
1927.....	42,183	2,195	19,265	9,328	11,307	55,935	6,185	12,510	20,728	17,512
1928.....	45,042	1,904	21,498	10,133	12,107	57,035	4,871	13,752	20,507	17,845
Per cent distribution:										
1921.....	100.0	15	56	(1)	29	100.0	15	23	(1)	62
1922.....	100.0	6	41	24	29	100.0	8	17	42	33
1927.....	100.0	5	46	22	27	100.0	11	22	37	30
1928.....	100.0	4	47	22	27	100.0	9	24	36	31
Dry cargoes:										
1921.....	15,605	2,173	6,192	(1)	7,330	42,451	6,529	9,483	(1)	26,439
1922.....	25,526	3,162	8,106	7,259	6,999	30,062	6,386	8,144	11,270	10,256
1923.....	27,962	2,724	8,253	7,531	9,454	39,592	6,713	7,104	13,085	11,790
1924.....	26,242	2,207	8,462	6,914	8,500	41,204	6,460	8,290	14,140	12,308
1925.....	30,352	2,077	9,691	8,065	10,519	39,241	5,407	6,574	14,348	12,852
1926.....	32,085	2,323	9,132	9,386	11,244	55,851	5,486	7,838	23,222	19,305
1927.....	30,740	2,027	10,382	8,165	10,166	43,416	5,088	8,617	15,449	13,364
1928.....	31,991	1,900	11,269	8,530	10,292	42,340	4,827	9,487	15,600	12,526
Per cent distribution:										
1921.....	100.0	14	39	-----	47	100.0	15	22	-----	63
1927.....	100.0	7	34	26	33	100.0	14	22	35	31
1928.....	100.0	6	35	27	32	100.0	11	22	37	30
Tanker cargoes:										
1921.....	17,362	2,662	12,443	(1)	2,257	5,980	725	1,667	(1)	3,588
1922.....	10,156	2,107	14,550	1,341	1,149	6,440	258	2,061	2,833	1,238
1923.....	15,334	307	11,600	1,687	1,840	9,438	190	2,132	4,739	2,277
1924.....	14,657	396	11,168	1,492	1,401	11,057	207	3,363	4,721	2,770
1925.....	12,783	208	9,230	1,521	1,815	10,325	157	3,513	4,038	2,712
1926.....	12,601	565	9,085	1,316	1,635	12,289	105	3,693	6,047	3,444
1927.....	11,443	168	8,882	1,163	1,230	13,519	199	3,893	5,279	4,148
1928.....	13,651	4	10,229	1,608	1,815	14,695	44	4,265	5,067	5,310
Per cent distribution:										
1921.....	100.0	15	72	-----	13	100.0	12	28	-----	60
1927.....	100.0	1	75	10	11	100.0	1	30	30	30
1928.....	100.0	-----	75	12	13	100.0	-----	29	35	36
North Atlantic ports:										
1923.....	24,270	1,801	7,886	6,249	8,244	20,715	2,909	2,004	7,942	7,770
1924.....	22,351	1,682	7,885	5,596	7,188	20,660	2,873	2,516	7,855	7,452
1925.....	24,069	1,501	7,756	6,224	8,538	20,817	2,604	2,595	7,891	7,827
1926.....	26,449	1,895	8,781	6,720	9,053	33,994	2,164	3,352	15,330	13,148
1927.....	25,860	1,358	10,400	5,955	8,147	18,648	2,234	2,972	6,447	6,995
South Atlantic ports:										
1923.....	1,561	167	557	169	668	927	207	192	128	400
1924.....	1,725	97	571	535	523	822	202	152	162	396
1925.....	2,082	96	821	339	826	1,081	94	814	293	389
1926.....	2,165	121	1,093	349	692	1,354	220	60	486	679
1927.....	1,576	138	655	284	499	1,126	231	48	286	561
Gulf ports:										
1923.....	10,028	485	6,876	1,029	1,638	10,599	2,553	1,751	3,068	3,227
1924.....	9,889	400	6,987	812	1,690	12,805	2,607	2,321	8,523	4,054
1925.....	8,539	312	5,051	1,071	2,105	12,420	2,098	2,264	3,334	4,729
1926.....	8,184	562	4,304	1,062	2,266	13,304	2,445	2,043	3,650	5,166
1927.....	6,994	412	2,918	850	1,914	13,935	2,849	2,034	3,476	5,576
Pacific ports:										
1923.....	2,524	488	548	773	715	8,472	1,284	1,466	3,150	2,622
1924.....	2,585	484	551	765	785	9,360	981	2,233	2,898	3,248
1925.....	2,602	376	558	539	779	8,356	933	2,144	2,244	2,535
1926.....	2,712	320	651	877	884	11,450	762	2,912	4,021	3,755
1927.....	2,835	287	911	865	772	13,316	871	3,386	4,810	4,249
Great Lakes ports:										
1923.....	4,913	-----	3,856	998	29	8,367	-----	3,783	4,586	48
1924.....	4,348	-----	3,636	698	14	8,578	-----	4,431	4,129	18
1925.....	5,843	-----	4,744	1,063	36	9,992	-----	2,775	4,124	93
1926.....	5,176	-----	3,448	1,694	34	8,038	-----	3,155	4,782	101
1927.....	5,818	-----	4,379	1,374	65	9,910	-----	4,070	5,709	131

¹ British not segregated in 1921; included in "Other."
Source: Bureau of Research United States Shipping Board.

No. 489.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS:
By Regions of Origin and Destination and Method of Carriage

[In thousands of cargo tons of 2,240 pounds]

Foreign trade region	1924	1925	1926	1927—In vessels of—				
				Total	U. S. Shipping Board	Independent American	British	Others
Imports, total.....	40,899	43,185	44,688	42,183	2,195	18,263	9,328	11,397
United Kingdom.....	1,644	1,923	1,946	1,385	126	153	923	183
North Atlantic and Baltic Europe.....	1,183	1,103	1,014	1,231	163	11	25	1,032
Havre-Hamburg range.....	2,763	3,566	4,498	3,481	797	148	449	2,147
South Atlantic Europe.....	443	487	564	599	32	6	163	198
West Mediterranean.....	893	1,143	1,102	1,174	15	166	225	768
East Mediterranean and Black Sea.....	318	412	420	429		60	193	171
West Indies.....	5,396	6,702	8,042	7,763	44	3,815	1,595	2,809
Mexico.....	13,242	10,510	8,375	5,476	105	4,407	206	768
Central America.....	1,103	1,231	1,177	1,344		477	204	663
North Coast South America.....	486	719	1,703	3,075	9	2,385	236	445
East Coast South America.....	1,416	1,287	1,082	1,720	329	484	437	470
West Coast South America.....	2,689	2,744	2,901	2,617		1,501	326	790
West Africa.....	197	235	260	259	101	8	127	203
South and East Africa.....	210	201	250	247		52	103	2
Australasia.....	94	103	108	131	13	19	71	28
East Indies.....	405	511	550	547	14	122	290	121
East Asia.....	1,182	1,344	1,249	1,391	478	230	251	423
India, Persian Gulf, and Red Sea.....	750	816	777	730	29	128	561	12
Pacific Canada.....	1,197	1,298	1,358	1,321		596	598	127
Atlantic Canada and Newfoundland.....	5,280	6,996	6,620	7,463		4,480	2,250	727
Exports, total.....	52,261	49,668	68,140	50,985	6,185	12,610	20,728	17,512
United Kingdom.....	8,229	7,459	10,505	8,634	1,483	461	5,676	1,114
North Atlantic and Baltic Europe.....	1,653	1,872	1,703	2,007	1,430	84	208	1,585
Havre-Hamburg range.....	8,442	8,023	8,525	9,252	2,576	428	1,434	4,814
South Atlantic Europe.....	1,255	1,274	2,055	1,365	154	123	323	765
West Mediterranean.....	4,225	3,650	4,434	2,864	213	176	367	2,113
East Mediterranean and Black Sea.....	625	654	829	527	17	130	132	248
West Indies.....	3,252	3,383	3,142	3,245		1,695	662	988
Mexico.....	1,037	769	593	514		291	9	214
Central America.....	1,105	1,453	1,755	2,084	84	1,637	176	137
North Coast South America.....	252	361	539	424		203	43	178
East Coast South America.....	3,030	2,939	4,945	3,777	362	704	1,740	971
West Coast South America.....	1,255	1,200	1,306	1,270		713	312	245
West Africa.....	197	280	474	290	110	36	95	49
South and East Africa.....	300	406	340	456		112	321	23
Australasia.....	1,283	1,460	1,740	1,964	169	179	1,022	594
East Indies.....	229	289	406	403	18	78	173	134
East Asia.....	5,140	4,316	5,407	5,613	805	895	1,348	2,655
India, Persian Gulf, and Red Sea.....	425	403	453	465	31	115	236	83
Pacific Canada.....	712	719	854	910	10	369	512	10
Atlantic Canada and Newfoundland.....	9,616	8,764	9,135	10,871	9	4,221	6,049	592

Foreign trade region	Ocean-borne imports, 1927				Ocean-borne exports, 1927			
	North Atlantic	South Atlantic	Gulf	Pacific	North Atlantic	South Atlantic	Gulf	Pacific
Total.....	25,880	1,576	6,094	2,335	18,648	1,126	13,955	13,316
United Kingdom.....	1,115	37	144	84	3,645	228	2,888	1,873
North Atlantic and Baltic Europe.....	1,085	40	33	65	824	55	1,034	94
Havre-Hamburg range.....	2,308	307	465	401	4,220	464	3,772	796
South Atlantic Europe.....	366	16	11	6	624	2	800	30
West Mediterranean.....	1,092	6	53	17	1,350	31	1,215	268
East Mediterranean and Black Sea.....	422				374		160	3
West Indies.....	5,409	172	2,131	51	1,816	169	1,120	150
Mexico.....	3,338	428	1,611	99	143	3	153	215
Central America.....	540	21	728	55	585		276	1,223
North Coast South America.....	2,612	104	287	12	335		66	23
East Coast South America.....	1,310	25	231	154	1,714	120	734	1,208
West Coast South America.....	1,937	347	169	164	301		35	934
West Africa.....	242		17		201		89	
South and East Africa.....	243	2	2		271		162	23
Australasia.....	99			32	601		230	1,233
East Indies.....	520		5	22	215	10	1	177
East Asia.....	624		46	721	784	53	713	4,063
India, Persian Gulf, and Red Sea.....	612	7	105	6	231		222	12
Pacific Canada.....	380		9	932	11		17	882
Atlantic Canada and Newfoundland.....	1,606	4	30	14	603	1	253	100

Source: Bureau of Research, United States Shipping Board.

No. 490.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: By TRADE REGIONS AND INDIVIDUAL COUNTRIES

NOTE.—In cargo tons of 2,240 pounds. Note that a country may appear in part under one trade region and in part under another. Minor countries are omitted but their trade is included in regional totals

Foreign origin or destination	Imports			Exports		
	1925	1926	1927	1925	1926	1927
Grand total.....	43, 185, 154	44, 886, 235	42, 182, 067	49, 666, 499	63, 139, 621	56, 985, 043
United Kingdom.....	1, 923, 449	1, 946, 856	1, 884, 559	7, 459, 266	19, 565, 183	8, 634, 490
England.....	1, 456, 538	1, 325, 181	1, 177, 876	6, 548, 553	15, 684, 432	7, 521, 594
Ireland.....	8, 506	5, 902	5, 597	268, 378	471, 829	410, 114
Scotland.....	146, 511	167, 623	87, 225	600, 653	1, 862, 245	553, 339
Wales.....	311, 894	447, 645	113, 921	41, 682	1, 080, 657	119, 782
North Atlantic and Baltic Europe.....	1, 108, 060	1, 014, 477	1, 230, 983	1, 872, 302	1, 702, 767	2, 007, 297
Greenland.....	9, 680	7, 380	6, 111	24	52	—
U. S. S. R. (Russia).....	2, 024	3, 861	14, 202	260, 426	72, 518	123, 080
Finland.....	95, 228	103, 718	104, 218	80, 311	162, 642	92, 173
Norway.....	294, 796	258, 206	351, 049	337, 420	374, 051	337, 766
Sweden.....	609, 316	520, 904	688, 913	294, 461	333, 804	424, 731
Denmark.....	38, 358	72, 438	35, 086	750, 166	702, 677	884, 678
Danzig.....	27, 937	20, 547	27, 760	51, 394	22, 528	95, 022
Germany.....	30, 186	26, 748	885	60, 319	13, 475	30, 457
Estonia.....	350	494	—	76	481	2, 427
Latvia.....	285	1	—	31, 025	10, 756	15, 763
Lithuania.....	—	—	2, 754	—	—	600
Havre-Hamburg range.....	3, 365, 751	4, 497, 667	3, 481, 007	8, 023, 192	8, 626, 201	6, 251, 960
Germany.....	1, 171, 410	1, 305, 395	1, 021, 047	3, 237, 762	3, 169, 952	3, 913, 272
Netherlands.....	690, 274	1, 168, 762	703, 482	2, 099, 351	2, 405, 410	2, 721, 748
Belgium.....	1, 205, 612	1, 688, 457	1, 373, 930	1, 655, 619	1, 606, 722	1, 634, 444
France.....	298, 455	335, 053	382, 498	1, 030, 400	1, 443, 117	952, 596
South Atlantic Europe.....	486, 880	564, 297	399, 159	1, 274, 491	2, 054, 658	1, 365, 149
France.....	51, 117	82, 398	47, 433	945, 061	1, 200, 623	937, 141
Portugal.....	58, 233	71, 079	33, 740	91, 567	327, 766	175, 041
Spain.....	377, 114	440, 350	317, 316	199, 442	216, 594	202, 615
Azore Islands.....	843	370	227	14, 743	20, 653	4, 038
Canary Islands.....	51	98	439	20, 598	274, 916	33, 639
Madeira.....	12	2	3	3, 075	14, 096	6, 775
West Mediterranean.....	1, 142, 727	1, 192, 538	1, 173, 831	3, 650, 376	4, 434, 083	2, 863, 733
Spain.....	268, 793	230, 040	161, 241	349, 729	430, 798	301, 606
France.....	82, 195	84, 438	80, 602	603, 453	651, 633	625, 735
Italy.....	518, 097	495, 863	427, 496	2, 511, 978	2, 957, 453	1, 701, 870
Yugoslavia.....	67, 027	56, 119	32, 893	365	5, 864	340
Malta.....	55	31	269	18, 636	53, 824	11, 703
Tunis.....	57, 473	35, 883	109, 954	31, 459	35, 018	23, 208
Algeria.....	148, 937	278, 254	361, 335	125, 039	260, 567	110, 646
Morocco.....	150	11, 890	91	9, 708	23, 948	29, 207
East Mediterranean and Black Sea.....	412, 035	419, 551	420, 331	654, 049	628, 782	526, 412
Bulgaria.....	772	859	—	1, 065	2, 121	—
Rumania.....	1, 007	20, 940	4, 271	5, 432	13, 488	13, 313
U. S. S. R. (Russia).....	—	242, 641	261, 053	125, 421	31, 183	45, 060
Crete.....	—	—	491	8, 239	—	—
Georgia.....	213, 424	—	—	30, 304	—	—
Turkey.....	51, 697	34, 414	40, 112	52, 300	47, 954	16, 907
Cyprus.....	—	—	3, 639	—	—	—
Greece.....	70, 505	45, 669	36, 537	242, 306	286, 284	289, 220
Egypt.....	57, 559	68, 269	79, 316	143, 350	410, 262	137, 774
Palestine.....	246	177	179	4, 835	20, 188	6, 120
Syria.....	8, 627	2, 268	3, 728	37, 943	16, 927	18, 018
West Indies.....	6, 702, 426	8, 041, 752	7, 762, 132	3, 382, 887	3, 141, 632	3, 245, 947
Cuba.....	5, 572, 928	5, 943, 097	4, 924, 180	2, 547, 346	2, 142, 739	2, 306, 626
Jamaica.....	303, 502	300, 133	372, 655	123, 309	193, 204	135, 419
Bahama Islands.....	38, 372	29, 114	14, 612	32, 216	40, 722	37, 761
Haiti.....	32, 199	25, 243	30, 984	62, 902	102, 933	96, 467
Dominican Republic.....	60, 432	125, 359	115, 498	116, 730	131, 902	151, 674
Lesser Antilles.....	690, 910	1, 607, 020	2, 301, 834	426, 434	491, 257	468, 227
Bermudas.....	4, 092	6, 286	2, 970	33, 944	38, 875	49, 070
Mexico.....	10, 510, 237	8, 376, 489	5, 475, 759	758, 573	592, 733	514, 332
Central America.....	1, 230, 795	1, 176, 976	1, 342, 613	1, 452, 845	1, 756, 257	2, 084, 366
British Honduras.....	76, 839	89, 697	104, 089	12, 834	14, 357	15, 472
Guatemala.....	183, 108	179, 030	201, 893	59, 534	81, 081	78, 503
Honduras.....	425, 612	375, 347	515, 884	114, 099	87, 515	139, 502
Nicaragua.....	189, 381	147, 794	145, 427	33, 198	59, 112	55, 990
Costa Rica.....	148, 001	157, 427	156, 374	38, 837	41, 940	45, 438
Panama.....	64, 823	45, 174	43, 289	7, 753	4, 359	8, 100
Canal Zone.....	134, 714	156, 019	169, 974	1, 125, 591	1, 401, 632	1, 687, 999
Salvador.....	7, 817	26, 488	5, 683	55, 944	66, 242	53, 662

No. 490.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY TRADE REGIONS AND INDIVIDUAL COUNTRIES—Continued

Foreign origin or destination	Imports			Exports		
	1925	1926	1927	1925	1926	1927
North Coast South America.....	719, 277	1, 703, 129	3, 074, 799	360, 912	538, 725	424, 312
Venezuela.....	287, 613	857, 091	1, 542, 094	145, 300	293, 456	214, 633
British Guiana.....	175, 213	180, 895	162, 433	27, 924	34, 147	26, 477
Netherlands Guiana.....	94, 326	48, 145	162, 370	17, 550	22, 901	21, 477
French Guiana.....	41	13		2, 691	2, 089	2, 562
Colombia.....	162, 084	616, 082	1, 207, 902	167, 447	186, 132	188, 823
East Coast South America.....	1, 287, 420	1, 681, 748	1, 719, 786	2, 988, 021	4, 945, 361	3, 776, 428
Brazil.....	715, 477	821, 098	730, 642	1, 177, 286	2, 107, 231	1, 162, 179
Uruguay.....	38, 943	56, 716	44, 890	313, 434	473, 335	504, 870
Argentina.....	520, 621	789, 041	925, 416	1, 448, 152	2, 354, 133	2, 110, 337
South Atlantic Islands.....	17, 379	14, 293	12, 838		10, 592	9, 427
West Coast South America.....	2, 744, 089	2, 800, 893	2, 617, 078	1, 200, 118	1, 905, 988	1, 269, 770
Colombia.....	24, 287	51, 732	12, 911	34, 284	66, 439	53, 629
Chile.....	2, 456, 082	2, 360, 623	2, 274, 196	912, 298	926, 122	801, 229
Peru.....	248, 872	489, 269	310, 557	229, 692	288, 471	314, 567
Ecuador.....	14, 878	13, 369	19, 414	28, 644	25, 966	40, 355
West Africa.....	234, 896	269, 795	259, 089	279, 860	473, 918	269, 568
Morocco.....	3, 778	3, 866	18, 067	32, 094	37, 427	34, 388
Cape Verde Islands.....	2	1	212	2, 477	120, 309	28, 852
Senegal.....	556	3, 734	3, 233	112, 722	154, 936	31, 466
Gambia.....				1, 366	1, 045	1, 981
Sierra Leone.....	790	971	1, 169	8, 071	8, 153	9, 726
Liberia.....	149	178	384	1, 202	1, 869	4, 583
Ivory Coast.....	27, 008	34, 824	35, 970	4, 675	5, 760	6, 849
Gold Coast.....	154, 370	168, 521	136, 537	40, 402	46, 585	55, 800
Dahomey.....	2, 139	900	2, 327	6, 023	6, 595	6, 483
Nigeria.....	33, 228	30, 779	45, 912	40, 620	41, 795	67, 876
Cameroon.....	2	723	715	3, 087	4, 858	5, 813
Belgian Congo.....	11, 010	12, 060	13, 411	8, 715	25, 766	12, 924
Angola.....	13	18	14	2, 992	6, 216	6, 382
South and East Africa.....	200, 805	249, 981	247, 508	408, 450	339, 519	456, 797
Union of South Africa.....	42, 936	77, 373	46, 983	308, 118	234, 079	304, 477
Mozambique.....	149, 690	168, 836	192, 632	79, 040	68, 851	107, 368
British East Africa.....	1, 221	1, 2, 490	1, 6, 876	1, 12, 085	1, 14, 765	1, 24, 838
Madagascar.....	1, 634	4, 140	1, 014	4, 064	3, 442	5, 685
Mauritius Island.....			1	3, 359	5, 705	10, 576
Australasia.....	102, 997	108, 189	131, 428	1, 480, 341	1, 740, 364	1, 964, 047
New Zealand.....	28, 909	32, 714	50, 854	370, 804	437, 031	443, 711
Australia.....	47, 256	41, 482	41, 501	1, 057, 290	1, 263, 137	1, 468, 865
Fiji Islands.....	2, 040	4, 617	4, 256	4, 086	7, 843	5, 247
Friendly Islands.....	731	399		319	1, 016	1, 170
New Caledonia.....	5, 066	8, 872	11, 907	3, 886	5, 058	4, 080
Society Islands.....	11, 434	12, 111	12, 470	11, 475	9, 830	10, 132
Cook Islands.....	1, 963	918	813	319	610	460
Gilbert Islands.....		700	503			
Tasmania.....	586	628	528	10, 626	13, 002	13, 184
New Guinea.....	5, 012	5, 098	2, 266	1, 746	2, 827	10, 761
East Indies.....	511, 437	549, 605	548, 849	289, 455	406, 417	403, 358
Straits Settlements.....	317, 654	369, 466	344, 005	71, 557	96, 213	125, 098
French Indo-China.....	743	179		33, 473	45, 279	32, 533
Sumatra.....	52, 681	53, 717	58, 329	30, 236	42, 053	43, 026
Java.....	118, 242	103, 194	121, 435	133, 138	158, 437	163, 022
Borneo.....	7, 598	3, 373	5, 103	8, 277	43, 219	28, 507
Celebes.....	9, 939	13, 091	17, 654	2, 298	4, 657	5, 901
East Asia.....	1, 343, 720	1, 249, 425	1, 380, 691	4, 316, 487	5, 407, 362	5, 612, 671
China.....	317, 948	289, 415	259, 448	1, 348, 198	1, 459, 888	1, 278, 155
U. S. S. R. (Russia).....	1, 548	2, 075	525	307	1, 018	925
Japan.....	259, 532	261, 104	288, 252	2, 512, 348	3, 445, 576	3, 794, 396
Philippine Islands.....	764, 692	696, 831	842, 466	455, 634	500, 880	539, 195
India, Persian Gulf, and Red Sea.....	616, 367	776, 658	730, 289	403, 209	462, 962	464, 945
Iraq.....	34, 400	26, 792	20, 118	1	22	
Arabia.....	5, 304	4, 557	612	11, 897	5, 251	1, 811
India.....	713, 247	669, 210	617, 420	364, 571	416, 256	417, 425
Ceylon.....	62, 317	72, 355	74, 100	26, 362	30, 395	36, 107
Canada.....	8, 291, 766	7, 977, 783	8, 786, 049	9, 432, 679	9, 983, 642	11, 781, 569
Pacific.....	1, 295, 671	1, 349, 540	1, 321, 352	718, 679	853, 568	909, 088
Atlantic and Newfoundland.....	1, 162, 505	1, 452, 699	1, 647, 005	1, 774, 227	1, 997, 764	1, 991, 812
Great Lakes.....	5, 833, 590	5, 175, 544	5, 817, 692	6, 989, 992	8, 037, 320	9, 909, 789

¹ Kenya and Tanganyika Territory only.

Source: Bureau of Research, United States Shipping Board.

No. 491.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS:
By STATES AND INDIVIDUAL PORTS

NOTE.—In cargo tons of 2,240 pounds. State totals cover all tonnage, including small ports not shown

State and port	Imports			Exports		
	1925	1926	1927	1925	1926	1927
Atlantic ports, total.....	26, 103, 390	27, 043, 698	27, 348, 849	21, 992, 379	34, 876, 566	19, 748, 314
Maine, total.....	548, 220	688, 785	694, 023	241, 669	243, 937	154, 699
Portland.....	511, 902	644, 707	648, 195	240, 061	243, 882	154, 599
New Hampshire: Portsmouth.....		22, 044	30, 230			13
Massachusetts, total.....	2, 563, 514	2, 654, 349	3, 072, 665	340, 201	326, 837	263, 830
Boston.....	2, 171, 615	2, 514, 897	2, 214, 400	325, 272	298, 105	258, 160
Fall River.....	353, 233	105, 172	719, 877	23, 364	21, 860	14
Rhode Island, total.....	695, 292	459, 447	316, 817	559	512	234
Providence.....	663, 721	458, 947	316, 817	559	512	234
Connecticut.....	45, 785	70, 881	49, 098	2, 227	3	2
New York, total ¹	11, 907, 958	13, 405, 471	13, 441, 749	11, 770, 797	10, 951, 205	11, 434, 523
New York ¹	11, 903, 644	13, 392, 216	13, 404, 699	11, 770, 797	10, 940, 743	11, 434, 523
New Jersey.....	175			7, 440	2, 836	27, 464
Delaware, total.....	234, 470	215, 678	342, 996	562	569	11, 565
Claymont.....	165, 744	157, 038	147, 758			
Wilmington.....	68, 726	58, 640	195, 238	562	569	11, 565
Pennsylvania, total.....	3, 362, 243	3, 170, 594	2, 764, 509	2, 494, 249	3, 439, 076	2, 052, 681
Chester.....	120, 231	219, 309	223, 410	6, 221	8, 004	55, 746
Marcus Hook.....				130, 548	95, 268	75, 601
Philadelphia ¹	3, 242, 012	2, 951, 285	2, 541, 099	2, 357, 480	3, 335, 814	1, 921, 335
Maryland: Baltimore.....	3, 938, 947	4, 472, 784	4, 452, 413	1, 753, 722	7, 089, 674	1, 922, 194
District of Columbia.....		900				
Virginia, total.....	665, 583	617, 706	606, 059	4, 200, 385	11, 470, 802	2, 760, 125
Newport News.....	201, 622	123, 383	161, 357	1, 824, 894	4, 426, 546	850, 664
Norfolk.....	463, 961	494, 323	444, 702	2, 435, 491	7, 043, 516	1, 909, 461
North Carolina: Wilmington.....	203, 720	196, 285	151, 662	19, 917	22, 699	32, 954
South Carolina, total.....	653, 651	742, 773	653, 795	386, 760	631, 851	357, 821
Charleston.....	653, 651	742, 773	653, 795	386, 202	631, 851	357, 821
Georgia, total.....	593, 435	562, 963	376, 784	385, 448	438, 214	470, 017
Brunswick.....	52, 552	51, 619	55, 298	41, 454	51, 207	60, 877
Savannah.....	540, 883	511, 344	320, 486	343, 994	387, 007	419, 140
Florida, east coast, total.....	630, 397	624, 038	387, 049	280, 453	207, 251	260, 383
Fernandina.....			136	147, 989	110, 326	123, 180
Jacksonville.....	436, 930	500, 175	320, 533	133, 065	86, 334	120, 716
Miami.....	193, 127	114, 863	60, 380	8, 358	954	15, 699
Gulf ports, total.....	8, 584, 397	8, 167, 152	6, 072, 998	12, 412, 272	13, 450, 118	13, 909, 796
Florida, west coast, total.....	800, 024	959, 912	401, 216	1, 312, 100	1, 115, 702	1, 358, 782
Boca Grande.....	1, 000	1, 808	1	131, 234	102, 014	84, 166
Key West.....	337, 302	445, 256	147, 867	280, 567	252, 048	269, 760
Pensacola.....	90, 295	95, 440	77, 339	249, 677	229, 377	248, 238
Tampa.....	371, 425	415, 608	170, 009	578, 317	492, 492	725, 673
Alabama: Mobile.....	341, 081	433, 704	346, 188	766, 754	572, 450	647, 047
Mississippi, total.....	42, 910	48, 522	27, 443	342, 101	285, 044	356, 800
Gulfport.....	42, 910	48, 522	27, 443	328, 260	272, 023	348, 940
Louisiana, total.....	5, 136, 346	5, 064, 140	4, 462, 455	4, 955, 349	4, 850, 341	4, 671, 318
Baton Rouge.....	298, 093	168, 465	243, 249	999, 468	963, 337	1, 089, 984
New Orleans.....	4, 830, 037	4, 877, 069	4, 177, 355	3, 799, 464	3, 785, 112	3, 520, 293
Avondale.....				67, 110	31, 603	
Saint Rose.....				65, 609	29, 058	11, 716
Texas, total.....	2, 263, 436	1, 660, 874	335, 666	5, 035, 968	6, 617, 581	6, 875, 849
Beaumont.....	188	2, 084	6, 929	732, 204	945, 992	703, 545
Freeport.....	288, 223	217, 182	54, 230	131, 314	132, 482	233, 639
Galveston.....	775, 209	723, 398	393, 768	1, 080, 074	1, 036, 277	1, 843, 288
Houston.....	433, 538	364, 534	192, 311	1, 467, 922	2, 183, 698	2, 606, 647
Orange.....	6, 927	4, 718	8, 501	77, 112	60, 437	88, 398
Fort Arthur.....	496, 335	219, 889	87, 880	932, 730	1, 058, 691	1, 082, 579
Sabine.....				377, 931	91, 092	6, 000
Texas City.....	263, 016	129, 069	86, 427	222, 375	198, 608	219, 570

¹ Includes commerce of New Jersey ports which enters or clears through this customhouse.

No. 491.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY STATES AND INDIVIDUAL PORTS—Continued

State and port	Imports			Exports		
	1925	1926	1927	1925	1926	1927
Pacific ports, total.....	2,542,168	2,698,134	2,785,792	8,325,560	11,384,564	13,320,987
California, total.....	1,383,664	1,481,968	1,522,343	5,305,705	6,759,865	8,563,387
Eureka.....	2,200			46,674	52,050	93,845
Los Angeles.....	393,258	451,832	510,657	3,231,141	4,435,046	5,063,401
San Diego.....	23,994	13,877	30,658	8,636	6,530	5,381
San Francisco ¹	958,012	1,015,927	981,020	1,860,265	2,097,250	2,268,153
Port San Luis.....		332	8	240,030	358,029	465,874
Oregon, total.....	133,058	126,247	133,085	1,047,796	1,900,297	1,974,750
Westport.....				50,430	52,544	41,971
Astoria.....	24,011	8,693		69,443	120,814	82,413
Coos Bay ²		2,169		82,214	98,349	93,527
Portland.....	105,759	112,685	125,729	764,444	1,627,470	1,644,285
Washington, total.....	1,025,466	1,084,019	1,130,364	1,882,059	2,515,402	2,782,844
Anacortes.....	110,304	88,496	113,655	50,427	51,421	60,920
Bellingham.....	78,647	65,585	35,585	62,198	52,907	98,678
Everett.....	8,738	9,723	15,622	164,623	144,568	186,519
Grays Harbor ³	1,072	2,586	575	460,474	689,072	652,300
Longview.....		203		31,697	82,167	90,832
Olympia.....		80	1,882	6,968	64,301	127,709
Port Angeles.....	44,763	142,618	99,567	14,543	19,471	28,730
Seattle.....	428,469	403,347	454,984	545,737	786,012	864,399
Tacoma.....	335,741	350,470	391,321	454,830	528,062	586,986
Great Lakes ports, total.....	5,880,603	5,171,672	5,617,674	6,960,775	8,028,418	9,922,342
New York, total.....	4,672,945	3,993,220	4,209,551	1,759,800	1,691,207	2,486,707
Buffalo.....	4,094,993	3,516,543	3,631,624	997,200	742,755	1,587,467
Fair Haven.....				30,981	54,264	7,718
Ogdensburg.....	200,514	172,071	193,450	26,951	2,194	1,990
Oswego.....	5,654	2,723	26,028	111,642	63,184	70,314
Rochester.....	160,721	99,969	140,066	385,224	591,480	675,534
Sodus Point.....				200,219	202,029	136,925
Tonawanda.....	73,744	58,760	37,242			
Waddington.....	135,200	137,000	118,400			
Pennsylvania: Erie.....	144,395	208,368	232,248	73,587	113,600	92,928
Ohio, total.....	638,736	468,774	463,866	3,610,797	4,225,154	4,250,493
Ashtabula.....				356,005	466,891	361,762
Cleveland.....	277,214	131,001	157,842	149,192	187,226	216,394
Conneaut.....	300			91,145	117,031	84,489
Fairport.....	123,186	180,634	137,454	581,945	387,340	231,805
Lorain.....	13,150	6,000	2,982	174,874	233,836	392,559
Sandusky.....	188,698	115,000	102,087	974,465	1,111,954	1,099,975
Toledo.....	36,218	26,048	63,501	1,282,571	1,721,378	1,893,509
Indiana.....	2,400		23	9,082	15,550	15,020
Illinois: Chicago.....	62,601	79,891	80,559	199,125	321,227	336,819
Michigan, total.....	77,575	253,525	611,402	345,673	528,303	639,801
Calcute.....				31,339	10,255	
Detroit.....	4,250	146,414	459,404	1,085	13,116	125,436
Escanaba.....	2,156	1,360	2,846	173,225	292,403	283,889
Marquette.....				137,200	158,299	115,500
Wisconsin, total.....	183,378	132,126	184,032	664,913	820,180	1,316,710
Ashland.....	119,077	98,349	143,734	134,516	124,287	98,782
Milwaukee.....	16,512	15,172	12,689	73,687	20,443	49,056
Superior.....	21,604	6,874	1,340	445,510	664,807	1,158,197
Minnesota, total.....	47,573	45,768	35,993	337,792	308,137	783,864
Duluth.....	47,573	45,768	35,993	326,862	308,137	783,864

¹ San Francisco, Calif., includes all ports within San Francisco Bay.² Coos Bay, Oreg., includes Marshfield and North Bend.³ Grays Harbor, Wash., includes Aberdeen and Hoquiam.

Source: Bureau of Research, United States Shipping Board.

No. 492.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS:
BY MAJOR COMMODITIES AND BY COASTAL DISTRICTS

NOTE.—In thousands of cargo tons of 2,240 pounds. Leaders indicate no data or less than 500 tons

Commodity	1924	1925	1926	1927					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Imports, total.....	40, 809	43, 135	44, 688	42, 183	25, 860	1, 578	6, 094	3, 835	5, 818
Wheat.....	2, 359	3, 407	3, 150	3, 475	3			2	3, 470
Other grains.....	705	699	605	623	68		15	79	481
Vegetables.....	735	796	820	651	502	8	21	120	
Meat, fish, and dairy products.....	237	245	279	389	290	2	18	78	1
Bananas.....	1, 170	1, 353	1, 321	1, 531	811	24	679	17	
Coconuts and copra.....	205	218	206	204	62	1	45	150	
Other fruits and nuts.....	349	415	361	276	202		43	31	
Sugar.....	3, 631	3, 020	4, 058	3, 590	2, 379	100	970	81	
Molasses.....	903	1, 306	1, 330	1, 195	627	6	543	19	
Coffee.....	659	613	667	667	398	9	189	73	
Cocoa.....	109	167	187	198	194			4	
Tobacco and manufactures.....	49	51	48	58	52		4	2	
Cotton, raw.....	80	82	89	93	82			11	
Cotton manufactures.....	92	92	108	93	54		22	22	
Wool, raw.....	122	140	139	110	96			14	
Wool manufactures.....	46	38	37	34	30			4	
Jute.....	65	68	76	103	99	2		2	
Jute manufactures.....	306	311	349	319	226	3	58	32	
Other fibers and grasses.....	361	450	355	300	143	5	87	21	44
Other fibers and grasses manufactured.....	92	76	74	127	92		4	31	
Silk manufactures.....	42	38	38	37	20			8	
Paper stock (except wood pulp).....	245	292	245	175	153	2	10	10	
Paper manufactures.....	357	342	381	445	164	12	73	142	54
Clays.....	414	392	423	352	336			9	4
Clay manufactures.....	211	190	209	203	229		7	67	
Rubber.....	308	408	434	450	450			9	
Coal and coke.....	272	687	1, 109	449	300			146	4
Petroleum, crude.....	13, 614	11, 165	11, 138	10, 037	7, 340	753	1, 919	15	10
Iron ore.....	2, 036	2, 203	2, 037	2, 707	2, 748		34	16	
Manganese and manganese ore.....	499	598	675	615	578		32	5	
Iron and steel and manufactures.....	486	834	1, 029	722	423	12	100	182	6
Copper and manufactures.....	534	460	540	564	318			246	
Miscellaneous.....	546	926	710	728	318		276	133	1
Hides, skins, and manufactures.....	179	173	168	206	196			10	
Logs and lumber.....	1, 428	1, 808	1, 693	1, 576	903		191	385	97
Pulpwood and wood pulp.....	1, 598	1, 851	1, 791	2, 050	1, 146	3	2	37	862
Dyeing and tanning material.....	130	150	182	197	173		16	3	
Sulphur and pyrites.....	251	393	370	293	247		16	23	
Potash.....	635	739	781	542	205	164	110	2	1
Nitrates.....	994	1, 242	933	829	314	254	181	63	17
Other fertilizers.....	77	96	129	136	55	51	29	30	
Chemicals, n. e. s.....	540	568	586	645	274	42	260	69	
Gypsum.....	424	506	716	753	692			61	
All others.....	2, 714	2, 844	3, 204	3, 192	1, 797	07	162	380	786
Exports, total.....	52, 261	49, 666	68, 140	56, 935	18, 648	1, 126	13, 935	13, 316	9, 910
Wheat.....	7, 267	5, 300	6, 768	7, 610	3, 069		989	1, 232	2, 370
Rye.....	1, 015	759	365	1, 019	225		41	2	751
Corn.....	356	224	330	305	118		133		44
Barley.....	680	1, 077	723	1, 250	678		50	261	261
Other grains.....	609	817	483	434	193		144	51	71
Wheat flour.....	1, 380	1, 337	1, 395	1, 401	757		350	294	
Vegetables.....	884	932	908	343	272	1	42	27	1
Meat, fish, and dairy products.....	841	866	789	746	508	6	111	121	
Fruits and nuts.....	501	637	694	745	342	1	10	392	
Sugar, refined and manufactured.....	251	378	120	167	143		12	7	5
Tobacco and manufactures.....	308	255	272	272	207	3	53	9	
Cotton, raw.....	1, 566	1, 853	2, 049	2, 125	129	314	1, 639	43	
Cotton manufactures.....	82	93	85	103	80		3	1	
Wool and manufactures.....	14	5	9	8	8				
Hides, skins, and manufactures.....	66	45	39	29	22		1	6	

No. 492.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS
MAJOR COMMODITIES AND BY COASTAL DISTRICTS—Continued

Commodity	1924	1925	1926	1927				
				Total	North Atlantic	South Atlantic	Gulf	Pacific
Exports—Continued.								
Coal and coke.....	9,427	9,092	24,711	8,400	2,927	205	113	18
Petroleum and products.....	13,759	13,174	14,959	10,512	3,609	9	5,715	7,132
Iron ore.....	571	583	813	744	10			
Iron and steel manufactures, n. e. s.....	1,305	1,223	1,528	1,552	1,115	9	211	48
Machinery, including agricultural.....	431	470	494	492	431	1	35	24
Vehicles.....	450	644	578	654	626		10	18
Copper manufactures.....	464	440	394	443	343	1	4	88
Lumber.....	4,500	4,539	4,750	5,430	238	117	1,997	3,068
Cement.....	129	150	152	131	123		6	2
Sulphur.....	403	612	507	799	7		763	2
Phosphates.....	795	869	750	924	44	122	757	1
Other fertilizers.....	198	208	250	220	168	9	20	23
Chemicals, n. e. s.....	264	278	348	454	296		98	59
Naval stores.....	307	291	290	391	51	264	72	4
All others.....	2,773	2,564	2,518	3,233	1,969	45	006	388

Source: Bureau of Research, United States Shipping Board.

No. 493.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE

NOTE.—Domestic trade is not included. For definition of net tonnage see general note, p. 420. Cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the mark of the war on shipping a special average for the ½ years July 1, 1914, to Dec. 31, 1920, is presented.

[In thousands of net tons]

Yearly average or year	Entered		Cleared		Year	Entered		Cleared
	Sea-ports	Other ports	Sea-ports	Other ports		Sea-ports	Other ports	
1840 ¹	1,788	501	1,801	492	1897.....	20,003	3,757	19,878
1850.....	3,100	1,170	3,167	1,194	1898.....	21,700	3,879	21,892
1860.....	6,000	3,275	5,257	3,533	1899.....	21,063	4,148	22,177
1870.....	6,270	2,886	6,302	2,807	1900.....	23,534	4,629	23,618
1871-1875.....	8,462	2,997	8,514	2,994	1901.....	24,791	4,977	24,889
1876-1880.....	12,134	2,792	12,197	2,807	1902.....	24,361	6,293	24,242
1881-1885.....	13,604	2,931	13,781	2,917	1903.....	24,698	6,396	24,823
1886-1890.....	13,479	2,602	13,655	2,693	1904.....	24,111	5,841	24,192
1891-1895.....	10,801	2,816	10,965	2,876	1905.....	24,793	6,190	25,020
1896-1900.....	20,931	3,989	21,077	4,007	1906.....	27,401	6,754	26,970
1901-1905.....	24,551	5,930	24,033	5,018	1907.....	29,248	7,374	28,499
1906-1910.....	29,651	8,071	29,156	8,036	1908.....	30,444	8,095	30,198
1911-1915.....	36,035	11,879	35,954	12,061	1909.....	30,243	8,815	29,604
1916-1920 ²	38,071	13,440	40,137	13,511	1910.....	30,917	9,319	30,510
1921-1925.....	52,959	13,334	53,378	13,078	1911.....	32,457	10,218	32,299
1910-1914.....	35,212	11,408	34,965	11,614	1912.....	34,659	11,499	34,706
1914-1920 ³	37,694	13,169	39,417	13,190	1913.....	37,973	12,666	37,566
1881.....	15,631	2,688	15,794	2,676	1914.....	40,052	12,337	39,743
1882.....	14,636	2,945	14,840	2,911	1915.....	35,032	11,678	35,458
1883.....	13,361	3,021	13,565	2,976	1916.....	37,744	13,806	38,946
1884.....	12,085	2,984	12,206	2,969	1917.....	36,521	13,951	38,094
1885.....	12,287	3,018	12,490	3,019	1918.....	31,101	14,856	31,860
1886.....	12,230	2,906	12,413	2,915	1918 (July-Dec.).....	16,113	8,916	16,112
1887.....	13,532	2,284	13,511	2,242	1919.....	36,381	10,320	40,750
1888.....	12,950	2,437	13,252	2,417	1920.....	51,532	12,572	54,981
1889.....	13,312	2,640	13,072	2,671	1921.....	49,958	12,327	50,423
1890.....	16,369	2,741	15,420	2,720	1922.....	51,701	13,490	51,799
1891.....	15,304	2,810	15,411	2,850	1923.....	52,775	13,544	53,215
1892.....	18,180	2,833	18,258	2,903	1924.....	54,726	13,565	55,294
1893.....	16,679	2,903	16,825	2,936	1925.....	55,636	13,742	57,160
1894.....	17,025	2,995	17,306	2,966	1926.....	63,759	13,174	65,583
1895.....	16,725	2,570	17,024	2,727	1927.....	58,921	15,389	69,759
1896.....	17,453	3,536	17,810	3,596	1928.....	62,809	17,402	63,331

¹ Year ended Sept. 30.

² Average for period July 1, 1914, to Dec. 31, 1920.

³ Average for period July 1, 1915 to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 494.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE: BY CUSTOMS DISTRICTS AND BY REGIONS

Note.—In thousands of net tons. See headnote, Table 493

Customs district	1925		1926		1927		1928	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total.....	69,378	70,229	73,933	79,041	74,310	75,440	80,211	80,607
Seaports, total.....	55,636	57,180	63,769	66,593	58,921	59,759	62,809	63,331
North Atlantic coast, total.....	26,920	26,186	28,517	28,236	28,345	29,532	31,071	29,048
Maine and New Hampshire.....	695	750	659	676	677	509	623	520
Massachusetts.....	3,896	2,453	3,783	2,511	4,397	2,884	4,257	2,846
Rhode Island.....	417	367	289	255	249	200	237	236
Connecticut.....	31	21	37	13	20	17	28	6
New York.....	19,210	20,835	20,575	20,427	20,558	21,327	22,873	23,007
Philadelphia.....	2,671	1,740	3,134	2,354	2,444	1,505	3,053	1,833
South Atlantic coast, total.....	5,044	6,925	10,413	12,885	4,806	6,642	4,607	6,070
Maryland.....	1,915	1,478	4,132	3,767	2,052	1,488	1,909	1,350
Virginia.....	1,312	3,507	4,355	6,900	887	2,722	551	2,383
North Carolina.....	109	63	95	77	65	46	170	74
South Carolina.....	455	445	551	524	482	408	416	343
Georgia.....	404	578	353	640	285	760	304	584
Porto Rico.....	840	854	927	977	1,124	1,218	1,257	1,306
Gulf coast, total.....	13,047	12,140	11,875	12,487	11,612	11,904	11,629	12,437
Florida.....	2,721	2,231	2,630	2,225	2,640	2,158	2,476	2,044
Mobile.....	666	921	614	894	689	914	650	862
New Orleans.....	5,372	5,047	5,421	4,843	5,189	4,535	5,119	4,695
Sabine.....	1,059	1,110	837	1,094	675	1,005	765	963
Galveston.....	2,329	2,822	2,373	3,410	2,410	3,292	2,610	3,883
Mexican border: San Antonio.....			4		101	29	210	61
Pacific coast, total.....	11,625	11,929	12,950	13,995	13,987	14,652	15,392	15,715
Washington.....	5,362	5,621	5,536	6,031	5,430	5,574	6,273	6,278
Oregon.....	617	572	809	920	960	910	927	976
San Francisco.....	1,721	1,912	1,759	2,125	1,811	2,365	1,996	2,457
Los Angeles.....	2,814	2,482	3,623	3,464	4,556	4,375	4,792	4,573
Alaska.....	333	303	320	241	333	255	362	267
Hawaii.....	778	1,030	813	1,214	877	1,173	942	1,164
Northern border, total.....	13,742	13,089	13,174	13,458	15,389	15,681	17,402	17,388
Vermont.....	7	9	5	7	4	7	5	6
St. Lawrence.....	1,247	905	1,144	847	1,773	828	1,239	872
Rochester.....	2,416	2,411	2,401	2,475	2,675	2,727	3,372	3,422
Buffalo.....	3,638	1,424	3,037	1,407	3,584	2,147	4,122	2,060
Ohio.....	3,429	4,311	3,475	4,655	3,781	4,745	4,179	5,430
Michigan.....	1,744	1,806	1,472	1,917	2,146	2,179	2,053	2,900
Chicago.....	273	368	203	612	199	508	223	490
Wisconsin.....	58	435	237	374	477	538	410	430
Duluth and Superior.....	935	1,310	1,150	1,264	1,400	2,002	1,794	2,026

Yearly average or year	Atlantic coast		Gulf coast		Pacific coast		Mexican border, total	Northern border	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entrances:									
1901-1905.....	17,427	15,149	4,056	1,770	3,068	2,286	-----	5,939	2,602
1906-1910.....	20,021	18,494	5,159	2,420	3,570	2,707	-----	8,072	3,207
1911-1915.....	24,203	20,708	6,635	3,377	5,055	3,649	52	11,879	4,564
1915-1920 ¹	24,581	16,094	7,939	4,646	5,487	4,329	64	13,440	5,646
1921-1925.....	30,979	27,133	12,390	8,243	9,562	6,070	28	13,334	6,475
1924.....	30,515	27,222	12,047	8,659	11,250	6,522	5	13,565	6,435
1925.....	31,064	28,681	12,047	8,085	11,625	6,684	-----	13,742	7,323
1926.....	33,030	30,020	11,875	8,082	12,950	7,000	4	13,174	7,131
1927.....	33,174	26,303	11,904	10,410	14,652	12,678	29	15,682	10,656
1928.....	35,678	33,438	11,629	7,020	15,292	8,249	210	17,402	8,571
Clearances:									
1901-1905.....	17,077	15,714	4,499	4,328	3,057	2,418	-----	5,918	3,325
1906-1910.....	20,162	18,659	5,477	6,187	3,517	2,922	-----	8,036	5,073
1911-1915.....	23,608	21,765	7,193	6,414	5,104	4,643	50	12,060	8,567
1916-1920 ¹	25,921	23,168	8,528	6,915	5,626	4,762	62	13,611	9,637
1921-1925.....	30,837	24,284	12,833	9,589	9,880	8,360	28	13,075	9,236
1924.....	31,016	24,282	12,713	9,753	11,663	9,746	2	13,616	9,933
1925.....	33,001	26,467	12,140	9,665	11,929	9,628	-----	13,059	8,805
1926.....	39,121	32,537	12,467	10,103	13,995	11,597	-----	13,458	9,241
1927.....	33,241	30,514	11,612	7,337	13,967	7,580	101	15,389	7,824
1928.....	35,118	27,488	12,437	10,879	15,715	13,134	61	17,336	11,898

¹ July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 495.—NET TONNAGE OF VESSELS ENTERED IN FOREIGN TRADE: BY CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 493]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Per cent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881-1890	32,038	16,308	3,305	12,913	20.7	13,542	5,251	8,291	11,560	1,682
1891-1900	22,289	4,978	17,201	22.4	18,866	3,816	15,050	14,184	4,682	
1901-1905	31,731	30,490	6,802	23,688	22.3	24,551	2,606	21,945	19,205	5,846
1906-1910	34,040	37,722	8,372	29,350	22.2	29,650	1,818	27,832	23,621	6,029
1911-1915	38,951	47,914	12,205	35,709	25.5	36,035	1,574	34,461	27,778	8,257
1915-1920 ¹	42,713	51,511	21,909	29,612	42.7	38,071	1,800	36,173	25,128	12,433
1921-1925	41,546	60,293	28,645	36,648	44.7	52,959	1,004	51,955	41,471	11,488
1910-1914	38,038	46,610	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914-1920 ²	42,257	50,773	20,557	30,116	40.7	37,604	1,853	35,750	24,938	12,606
1913	41,015	50,639	13,072	37,567	25.8	37,073	1,734	35,339	20,127	8,846
1915	39,754	46,710	13,275	33,435	28.4	35,032	1,605	33,427	23,893	11,139
1916	42,514	51,550	17,928	33,622	34.8	37,744	2,137	35,607	24,253	13,491
1917	44,172	50,472	18,725	31,747	37.1	36,521	2,123	34,398	23,726	12,795
1918	40,512	45,456	19,284	26,172	42.4	31,101	1,789	29,312	21,147	9,954
1918 (July-Dec.)	23,032	25,020	11,066	14,023	44.0	16,113	932	15,181	9,649	6,464
1919	39,052	46,702	21,933	24,769	47.0	36,381	1,614	34,767	24,041	12,340
1920	45,637	64,104	32,110	31,985	50.1	51,531	1,847	49,684	35,387	16,144
1921	40,758	62,285	31,185	31,100	50.1	49,958	1,379	48,579	36,066	13,892
1922	40,926	65,191	31,738	33,453	48.7	51,701	1,104	50,597	43,219	8,482
1923	41,501	66,910	27,725	38,994	41.8	52,775	958	51,817	42,210	10,556
1924	42,435	68,292	29,628	38,664	43.4	54,726	849	53,877	42,403	12,323
1925	42,019	60,378	27,947	41,431	40.3	55,636	731	54,905	43,450	12,156
1926	44,757	76,933	26,800	50,043	35.0	63,759	549	63,210	45,113	18,046
1927	45,459	74,310	29,289	45,021	39.4	58,921	530	58,391	45,462	13,458
1928	48,252	80,211	31,285	48,926	30.0	62,809	453	62,356	48,737	14,052

Yearly average or year	Seaports—Continued				Per cent American	Northern border ports			
	American vessels		Foreign vessels			Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881-1890	2,933	2,559	10,609	9,001	21.7	2,766	1,976	462	2,304
1891-1900	3,619	2,956	15,247	11,228	19.2	3,403	1,589	1,359	2,044
1901-1905	3,962	3,246	20,589	15,960	16.1	5,939	2,602	2,840	3,099
1906-1910	4,175	3,471	25,475	20,150	14.1	8,072	3,207	4,197	3,875
1911-1915	5,276	4,200	30,759	23,578	14.6	11,879	4,564	6,029	4,550
1915-1920 ¹	14,508	11,375	23,563	13,753	38.1	13,440	5,646	7,400	5,950
1921-1925	22,526	18,404	30,433	23,068	42.5	13,334	6,455	7,119	6,215
1910-1914	4,753	3,787	30,459	24,809	13.5	11,407	4,501	6,575	4,832
1914-1920 ²	13,327	10,481	24,276	14,456	35.4	13,169	5,430	7,330	5,840
1913	5,241	3,954	32,732	25,173	13.8	12,606	4,706	7,831	4,835
1915	6,830	5,567	28,202	18,326	19.5	11,078	4,241	6,445	5,233
1916	9,446	7,773	28,298	16,480	25.0	13,806	6,539	8,482	5,324
1917	10,868	8,042	25,623	14,784	20.8	13,951	6,796	7,827	6,124
1918	11,256	9,136	19,845	12,011	36.2	14,355	5,400	8,027	6,328
1918 (July-Dec.)	5,747	4,595	10,366	5,054	35.7	8,916	2,704	5,259	3,657
1919	16,224	12,294	20,157	11,747	44.6	10,321	3,763	5,709	4,612
1920	20,225	10,822	25,306	15,565	50.9	12,573	5,852	5,894	6,079
1921	24,402	18,520	25,556	17,446	48.8	12,327	5,672	6,783	5,544
1922	23,033	20,308	28,068	22,911	45.7	13,490	6,178	8,105	5,385
1923	20,984	17,790	31,791	24,429	39.8	13,544	6,766	6,741	6,803
1924	22,462	18,267	32,264	24,136	41.0	13,565	6,335	7,166	6,399
1925	21,148	17,033	34,487	26,417	38.0	13,742	7,323	6,798	6,944
1926	21,091	17,103	42,668	28,010	33.1	13,174	7,131	5,799	7,375
1927	22,001	17,668	36,920	27,794	37.3	15,389	7,824	7,288	8,101
1928	22,901	18,404	39,818	30,353	36.6	17,402	8,571	8,294	9,108

¹ Average for period July 1, 1915, to Dec. 31, 1920. ² Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 496.—NET TONNAGE OF VESSELS CLEARED IN FOREIGN TRADE: By CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 493]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Percent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881-1890	32,159	10,473	3,450	13,023	20.9	13,719	5,363	8,356	12,705	924
1891-1900	31,902	22,463	5,038	17,425	22.4	10,021	3,818	15,203	17,514	1,607
1901-1905	33,863	30,551	6,812	23,739	22.3	24,633	2,021	22,012	22,460	2,173
1906-1910	33,897	37,192	8,282	28,910	22.3	20,156	1,850	27,300	26,708	2,388
1911-1915	38,700	48,015	12,512	35,503	26.1	35,955	1,654	34,301	32,827	3,128
1915-1920 ¹	42,687	53,647	23,005	30,643	42.9	40,137	2,057	38,080	34,851	5,285
1921-1925	40,120	06,053	20,554	37,090	44.3	58,578	984	52,504	42,233	11,345
1910-1914	37,883	46,570	11,500	34,980	24.9	34,065	1,620	33,345	32,024	2,941
1914-1920 ²	42,141	52,007	21,529	31,078	40.9	30,417	2,010	37,407	34,304	5,023
1913	43,004	51,152	13,946	37,206	27.3	37,566	1,824	35,742	34,310	3,256
1915	30,139	46,885	13,418	33,467	28.0	35,458	1,749	33,709	31,878	3,580
1916	42,136	52,423	17,902	34,521	34.1	38,045	2,310	36,635	35,203	3,742
1917	43,749	52,077	19,146	32,931	36.8	38,094	2,239	35,855	34,383	3,711
1918	39,893	46,014	19,206	26,808	41.7	31,850	1,925	29,944	28,125	3,744
1918 (July-Dec.)	22,580	25,472	11,223	14,249	44.1	16,112	1,011	15,101	13,564	2,518
1919	39,074	51,257	24,992	26,265	48.8	40,751	1,819	38,932	34,680	6,062
1920	46,447	67,817	34,053	33,764	50.2	54,980	2,009	52,971	46,687	9,203
1921	39,553	62,665	30,181	32,484	48.2	50,423	1,218	49,205	39,985	10,438
1922	30,314	64,839	31,759	33,080	40.0	51,709	1,109	50,600	39,244	12,555
1923	40,256	66,024	27,932	38,692	41.9	53,215	1,035	52,180	42,398	10,817
1924	41,100	68,010	30,092	38,818	43.7	55,294	810	54,483	43,787	11,506
1925	40,379	70,229	27,808	42,421	39.6	57,160	746	56,414	46,760	11,410
1926	43,951	70,041	28,532	50,509	36.1	65,583	566	65,017	54,237	11,346
1927	43,019	75,440	29,793	45,647	39.5	59,759	528	59,233	49,419	10,340
1928	46,201	80,697	31,734	48,933	39.3	63,331	436	62,895	51,600	11,722

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881-1890	2,978	2,541	10,741	10,254	21.7	2,754	1,776	472	2,282
1891-1900	3,644	2,914	15,377	14,600	19.2	3,442	2,129	1,394	2,048
1901-1905	4,000	3,284	20,633	19,176	16.2	5,918	3,825	2,812	3,106
1906-1910	4,084	3,498	25,072	23,270	14.0	8,036	5,673	4,193	3,838
1911-1915	5,361	4,522	30,594	28,305	14.9	12,000	8,567	7,161	4,909
1915-1920 ¹	15,455	11,505	24,081	23,346	38.5	13,511	9,637	7,550	5,962
1921-1925	22,556	14,977	31,022	28,057	42.1	13,075	9,236	6,998	6,077
1910-1914	4,773	4,109	30,187	27,915	13.7	11,614	8,360	6,812	4,802
1914-1920 ²	14,171	10,611	25,245	23,783	36.0	13,190	9,279	7,358	5,832
1913	5,289	4,517	32,277	29,793	14.1	13,566	10,173	8,657	4,929
1915	7,110	5,692	28,348	26,186	20.1	11,427	7,309	6,308	5,119
1916	9,763	7,720	29,182	27,483	25.1	13,478	8,045	8,139	5,339
1917	11,339	8,305	26,755	25,578	29.8	13,983	9,745	7,807	6,176
1918	11,280	8,491	20,589	19,634	35.4	14,145	10,200	7,926	6,219
1918 (July-Dec.)	5,614	3,537	10,498	10,057	34.8	9,360	7,433	5,609	3,751
1919	19,133	14,539	21,617	20,150	47.0	10,508	7,616	5,868	4,648
1920	27,875	20,188	27,106	25,499	50.7	12,837	9,365	6,179	6,558
1921	23,432	15,215	26,991	24,770	46.5	12,242	8,602	6,749	5,493
1922	23,755	14,743	28,044	24,501	45.9	13,040	9,234	8,004	5,036
1923	21,305	14,584	31,910	27,814	40.0	13,409	9,514	6,627	6,732
1924	22,896	15,397	32,307	32,398	41.4	13,616	9,933	7,105	6,421
1925	21,304	14,948	35,766	30,802	37.4	13,068	8,805	6,414	6,654
1926	22,234	15,833	43,340	38,399	33.9	13,458	9,241	6,298	7,160
1927	22,073	16,524	37,681	32,805	36.9	15,682	10,656	7,716	7,956
1928	23,180	16,969	40,151	34,640	36.6	17,336	11,898	8,554	8,732

¹ Average for period July 1, 1915, to Dec. 31, 1920. ² Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

**No. 497.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEA-
PORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION**

NOTE.—In thousands of net tons. Only traffic by sea is included. First two columns cover years ended June 30, third column the period July 1, 1914, to Dec. 31, 1920, the others calendar years. For definition of net tonnage see general note, p. 420

Country	1900- 1909, average	1910- 1914, average	1914- 1920, average	1921- 1925, average	1925	1926	1927	1928
Total by sea:								
Entered.....	26,362	35,212	37,604	52,959	55,636	63,759	68,921	62,800
Cleared.....	26,306	34,965	39,417	53,578	57,180	65,583	68,759	63,331
Belgium:								
Entered.....	905	955	392	1,231	1,428	1,865	1,000	1,335
Cleared.....	901	1,039	452	1,190	1,249	1,157	1,358	1,254
Denmark:								
Entered.....	184	297	373	372	350	424	497	520
Cleared.....	352	305	408	450	582	615	623	728
France:								
Entered.....	611	1,047	2,251	1,953	1,980	2,385	2,206	2,375
Cleared.....	1,062	1,453	3,345	2,250	2,245	2,399	2,390	2,554
Germany:								
Entered.....	2,384	3,113	290	2,998	3,261	3,370	3,489	3,029
Cleared.....	2,773	3,474	298	3,105	3,384	3,150	3,597	3,446
Italy:								
Entered.....	1,097	1,305	2,171	1,707	1,846	2,083	1,915	2,177
Cleared.....	1,003	1,062	2,489	1,986	1,947	2,369	1,836	1,690
Netherlands:								
Entered.....	846	1,169	1,291	1,654	1,670	2,957	1,904	1,978
Cleared.....	1,206	1,521	1,460	1,404	1,344	1,496	1,612	1,672
Norway:								
Entered.....		193	521	384	380	349	354	275
Cleared.....		150	830	412	345	422	356	328
Spain:								
Entered.....	483	724	838	608	649	869	672	823
Cleared.....	265	337	490	463	454	504	613	617
Sweden:								
Entered.....		68	240	504	501	578	679	651
Cleared.....		66	440	353	336	436	491	516
United Kingdom:								
Entered.....	7,440	7,238	8,705	9,378	9,716	13,088	10,417	10,432
Cleared.....	7,153	7,162	8,164	8,647	9,733	14,575	9,705	9,648
Canada:								
Atlantic coast—								
Entered.....	1,355	1,479	1,092	1,201	1,344	1,309	1,452	1,661
Cleared.....	1,454	1,594	1,007	1,331	1,511	1,479	1,678	1,759
British Columbia—								
Entered.....	1,508	2,539	3,117	4,571	5,875	5,711	5,687	6,574
Cleared.....	1,509	2,589	3,094	4,573	6,085	6,121	5,805	6,546
Central America:								
Entered.....	799	1,879	1,535	1,734	1,970	2,031	2,410	2,454
Cleared.....	830	2,121	1,610	1,640	2,005	2,159	2,553	2,725
Mexico:								
Entered.....	856	1,789	3,783	8,160	5,783	4,759	3,349	2,165
Cleared.....	745	1,847	3,727	8,391	5,962	4,905	3,145	2,185
British West Indies and British Honduras:								
Entered.....	1,001	1,038	564	1,351	1,762	1,607	1,829	1,864
Cleared.....	932	1,181	642	1,435	1,884	1,881	2,038	2,027
Cuba:								
Entered.....	2,018	3,030	3,450	4,769	5,603	5,615	5,476	5,430
Cleared.....	1,766	2,449	3,560	4,659	5,358	5,610	5,306	5,277
Dominican Republic:								
Entered.....	111	179	345	380	451	517	616	771
Cleared.....	94	200	404	449	609	687	791	1,047
Haiti:								
Entered.....	106	123	108	105	147	175	183	224
Cleared.....	81	124	186	230	209	195	181	181
Argentina:								
Entered.....	207	792	633	1,006	855	1,224	1,161	763
Cleared.....	323	619	762	707	797	1,140	993	1,004
Brazil:								
Entered.....	587	1,131	550	552	940	631	681	1,060
Cleared.....	253	558	841	913	1,031	1,568	1,194	1,203
Chile:								
Entered.....	206	462	853	975	1,382	1,307	1,190	1,433
Cleared.....	133	327	797	793	1,056	896	1,006	1,221
Colombia:								
Entered.....	195	199	231	144	138	511	792	1,064
Cleared.....	172	196	213	226	166	479	1,007	1,249
British East Indies:								
Entered.....	238	329	347	576	729	782	808	773
Cleared.....	107	131	204	330	340	392	462	379

No. 497.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION—Contd.

Country	1900-1909, average	1910-1914, average	1914-1920, average	1921-1925, average	1925	1926	1927	1928
China, Hong Kong, and Kwantung:								
Entered.....	340	442	519	959	778	1,010	876	1,028
Cleared.....	380	391	479	903	802	893	846	1,034
Japan:								
Entered.....	441	646	733	1,607	1,012	2,140	2,204	2,490
Cleared.....	351	542	796	2,106	2,142	2,001	2,658	3,438
Philippine Islands:								
Entered.....	63	85	132	408	576	634	684	590
Cleared.....	93	144	124	359	535	499	484	537
British Australasia:								
Entered.....	256	223	379	509	617	623	866	930
Cleared.....	413	534	567	946	1,230	1,435	1,518	1,885
All other countries:								
Entered.....	2,117	2,725	2,094	3,165	3,571	4,960	4,966	6,820
Cleared.....	1,788	2,240	1,938	3,149	3,623	5,216	5,301	7,476

No. 498.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY NATIONALITY OF VESSEL

NOTE.—In thousands of net tons. Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See Tables 495 and 496 in which the columns for northern border represent the trade with Quebec and Ontario. See note, Table 497

	1900-1909, average	1910-1914, average	1914-1920, average	1921-1925, average	1925	1926	1927	1928
Total by sea:								
Entered.....	26,362	35,212	37,604	52,059	56,636	63,759	58,921	62,809
Cleared.....	26,206	34,965	36,417	53,378	57,180	65,583	59,759	63,331
American:								
Entered.....	4,044	4,753	13,327	22,826	21,149	21,092	22,001	22,991
Cleared.....	4,023	4,778	14,171	22,556	21,364	22,234	22,078	23,180
Total foreign:								
Entered.....	22,318	30,459	24,276	29,433	34,487	42,668	36,920	39,818
Cleared.....	22,182	30,186	22,245	31,022	35,766	43,349	37,681	40,151
Belgian:								
Entered.....	262	412	269	332	375	483	353	367
Cleared.....	269	404	283	343	380	464	351	342
British:								
Entered.....	13,564	17,961	14,168	16,807	18,569	22,834	18,820	19,435
Cleared.....	13,422	17,814	14,755	17,064	19,314	23,010	19,065	19,550
Danish:								
Entered.....	398	472	774	929	1,166	1,155	1,008	1,185
Cleared.....	308	450	795	928	1,165	1,175	1,106	1,233
Dutch:								
Entered.....	667	1,004	1,007	1,300	1,368	1,754	1,648	1,735
Cleared.....	661	1,007	1,055	1,292	1,376	1,748	1,650	1,759
French:								
Entered.....	636	997	876	1,492	1,604	1,744	1,768	1,905
Cleared.....	642	990	919	1,518	1,663	1,763	1,849	1,943
German:								
Entered.....	3,160	4,362	107	847	1,299	1,800	2,109	2,676
Cleared.....	3,171	4,300	79	870	1,440	1,886	2,185	2,713
Italian:								
Entered.....	542	821	1,211	1,400	1,010	2,769	1,979	2,081
Cleared.....	538	850	1,366	1,569	1,978	2,706	2,026	1,973
Japanese:								
Entered.....	127	353	1,099	2,059	2,266	2,285	2,439	2,750
Cleared.....	107	244	1,046	2,235	2,468	2,531	2,602	2,831
Norwegian:								
Entered.....	1,941	2,679	2,744	2,817	3,240	3,872	3,482	4,143
Cleared.....	1,946	2,684	2,822	2,784	3,256	3,979	3,517	4,224
Spanish:								
Entered.....	424	413	606	480	425	880	486	467
Cleared.....	420	398	637	487	415	881	521	484
Swedish:								
Entered.....	62	70	353	564	653	888	900	945
Cleared.....	65	70	367	566	636	907	936	977
All other foreign:								
Entered.....	535	975	1,062	1,317	1,602	2,205	1,838	2,129
Cleared.....	542	977	1,122	1,366	1,675	2,221	1,873	2,108

Source of Tables 497 and 498: Bureau of Foreign and Domestic Commerce.

No. 499.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE

NOTE.—All figures except percentages expressed in millions of dollars. Figures cover fiscal years ended Sept. 30, 1830 and 1840, and June 30, 1850 to 1915, calendar years thereafter

Yearly average or year	Exports (including reexports)					Imports					Water borne—per cent in American vessels	
	Total	Total by water	In American vessels	In foreign vessels	By land vehicles ¹	Total	Total by water	In American vessels	In foreign vessels	By land vehicles ¹	Exports	Imports
1830 ²	74	74	64	10	(³)	71	71	66	5	(³)	86.6	93.1
1840 ²	132	132	106	27	(³)	107	107	93	14	(³)	80.0	87.6
1850 ²	152	162	100	52	(³)	178	178	140	39	(³)	65.6	78.4
1860 ²	400	400	279	121	(³)	362	362	228	134	(³)	70.0	63.0
1870 ²	451	451	170	281	(³)	462	462	153	309	(³)	37.7	33.1
1871-1875 ²	586	578	157	422	8	599	584	170	414	16	27.1	35.1
1876-1880 ²	711	704	142	562	7	514	501	147	354	13	20.2	29.3
1881-1885	792	773	100	673	19	667	640	130	517	21	12.9	20.1
1886-1890	738	714	76	658	25	717	685	122	593	33	10.6	17.8
1891-1895	802	851	73	778	42	785	748	125	623	36	8.6	16.7
1896-1900	1,157	1,079	78	1,001	79	742	706	101	604	36	7.2	14.4
1901-1905	1,454	1,316	97	1,218	138	972	909	122	787	63	7.4	13.5
1906-1910	1,779	1,576	128	1,448	203	1,345	1,262	159	1,103	83	8.1	12.6
1911-1915	2,371	2,049	187	1,862	322	1,712	1,590	198	1,392	123	9.1	12.5
1916-1920 ⁴	6,515	5,712	1,550	4,166	803	3,368	2,901	978	1,984	397	27.2	33.0
1921-1925	4,397	3,783	1,455	2,333	609	3,450	3,013	3,978	2,035	5,437	37.1	32.5
1916	5,453	4,820	665	4,155	633	2,392	2,157	532	1,925	234	13.8	24.7
1917	6,234	5,403	940	4,467	830	2,953	2,590	733	1,857	302	17.5	28.3
1918	6,149	5,229	986	4,240	923	3,031	2,577	717	1,860	454	18.9	27.8
1919	7,020	7,090	2,596	4,494	831	3,904	3,414	1,228	2,180	401	36.6	36.0
1920	6,228	7,252	3,165	4,087	976	5,279	4,731	1,088	2,743	548	43.6	42.0
1921	4,485	3,888	1,402	2,486	597	2,509	2,187	765	1,422	1,322	36.1	35.0
1922	3,832	3,281	1,201	2,020	551	3,113	2,704	921	1,783	409	38.4	34.1
1923	4,168	3,539	1,368	2,181	629	3,792	3,312	1,040	2,272	461	38.4	31.4
1924	4,591	4,010	1,532	2,478	581	3,610	3,145	1,012	2,133	466	38.2	32.1
1925	4,910	4,224	1,473	2,761	686	4,227	3,719	1,151	2,555	510	34.9	31.0
1926	4,809	4,050	1,401	2,649	59	4,431	3,891	1,195	2,696	540	34.6	30.7
1927	4,865	4,007	1,434	2,663	768	4,185	3,662	1,215	2,447	523	35.0	33.2
1928	5,128	4,277	1,472	2,804	851	4,001	3,550	1,133	2,418	541	34.4	31.9

TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels	Year	Total	In American vessels	In foreign vessels	Per cent in American vessels
1830 ²	145	180	15	89.7	1916	6,977	1,197	5,780	17.2
1840 ²	239	198	41	82.3	1917	7,994	1,679	6,315	21.0
1850 ²	330	239	91	72.5	1918	7,803	1,703	6,100	21.8
1860 ²	762	507	255	66.5	1919	10,504	3,824	6,680	36.4
1870 ²	913	323	590	35.6	1920	11,983	5,153	6,830	43.0
1871-1875 ²	1,162	326	835	30.6	1921	6,075	2,167	3,908	35.7
1876-1880 ²	1,206	289	917	23.9	1922	5,935	2,183	3,803	36.5
1881-1885	1,419	229	1,190	16.2	1923	6,850	2,398	4,453	35.0
1886-1890	1,398	198	1,200	14.1	1924	7,155	2,544	4,611	35.7
1891-1895	1,598	198	1,400	12.4	1925	7,040	2,624	5,316	33.0
1896-1900	1,784	179	1,605	10.0	1926	7,941	2,596	5,345	34.0
1901-1905	2,225	220	2,005	9.9	1927	7,759	2,649	5,110	34.1
1906-1910	2,838	287	2,552	10.1	1928	7,827	2,605	5,222	33.3
1911-1915	3,639	385	3,254	10.6					
1916-1920 ⁴	8,673	2,534	6,140	29.2					
1921-1925	6,801	2,383	4,418	35.0					

¹ Exports include parcel post beginning 1924; imports, beginning 1921.

² Includes gold and silver coin and bullion to 1870, inclusive.

³ Included in American and foreign vessels.

⁴ Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 500.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE BY METHOD OF CARRIAGE, AND NATIONALITY OF VESSEL

NOTE.—All figures in thousands of dollars. All data for calendar years

	1914	1920	1922	1924	1925	1926	1927	1928
Exports, excluding reexports.....	2, 071, 058	3, 080, 481	3, 765, 091	4, 407, 649	4, 818, 732	4, 711, 721	4, 758, 864	5, 080, 009
American vessels.....	186, 026	3, 116, 440	1, 248, 780	1, 514, 802	1, 468, 100	1, 387, 814	1, 419, 067	1, 450, 913
Foreign vessels:								
Belgian.....	7, 763	76, 370	25, 869	37, 442	37, 792	36, 163	33, 509	36, 825
British.....	1, 011, 691	2, 587, 813	1, 147, 027	1, 321, 242	1, 423, 507	1, 340, 361	1, 333, 325	1, 841, 764
Danish.....	(1)	71, 841	53, 348	88, 164	94, 980	81, 107	94, 660	93, 654
Dutch.....	83, 895	157, 957	91, 486	127, 952	166, 413	168, 064	172, 705	164, 090
French.....	70, 037	166, 126	111, 539	117, 423	137, 218	132, 300	121, 100	123, 183
German.....	153, 640	9, 671	54, 702	140, 660	163, 707	168, 304	221, 028	252, 283
Italian.....	44, 544	215, 441	94, 707	119, 932	146, 858	124, 631	114, 792	143, 614
Japanese.....	23, 957	208, 876	153, 416	167, 638	173, 205	168, 492	144, 140	158, 532
Norwegian.....	89, 821	236, 696	132, 729	128, 603	172, 324	177, 310	197, 300	230, 005
Spanish.....	(1)	113, 291	55, 878	65, 223	62, 167	62, 788	48, 790	50, 505
Swedish.....	(1)	54, 074	34, 031	51, 430	53, 698	73, 542	78, 932	83, 504
All other.....	126, 611	130, 515	32, 000	61, 685	89, 975	91, 107	69, 512	86, 338
Total foreign.....	1, 616, 959	4, 028, 671	1, 901, 348	2, 436, 304	2, 721, 804	2, 619, 220	2, 620, 915	2, 770, 288
Parcel post.....				21, 420	26, 052	27, 977	27, 785	29, 014
Cars and other land vehicles.....	267, 173	935, 370	525, 007	525, 033	612, 667	676, 701	681, 197	770, 873
Imports.....	1, 789, 276	5, 278, 481	3, 112, 747	3, 609, 962	4, 229, 589	4, 430, 888	4, 184, 742	4, 091, 444
American vessels.....	216, 199	1, 987, 861	921, 064	1, 011, 686	1, 151, 242	1, 194, 095	1, 214, 827	1, 132, 598
Foreign vessels:								
Belgian.....	24, 404	24, 736	10, 342	10, 915	10, 211	13, 839	12, 063	11, 309
British.....	808, 344	1, 600, 697	974, 273	1, 116, 996	1, 384, 926	1, 366, 926	1, 133, 818	1, 120, 985
Danish.....	(3)	40, 767	51, 863	62, 673	54, 142	49, 131	68, 943	57, 452
Dutch.....	90, 840	187, 478	99, 554	96, 898	122, 278	151, 499	141, 500	135, 496
French.....	82, 945	141, 181	140, 112	135, 202	147, 809	190, 865	151, 833	140, 621
German.....	151, 613	14	27, 755	73, 482	85, 945	139, 517	162, 508	109, 154
Italian.....	39, 796	60, 618	45, 254	60, 067	70, 063	78, 483	75, 639	65, 170
Japanese.....	57, 545	454, 180	212, 203	267, 081	390, 393	382, 236	404, 540	377, 108
Norwegian.....	82, 079	111, 811	147, 639	183, 084	164, 095	167, 684	164, 008	150, 157
Spanish.....	(3)	36, 148	11, 220	16, 884	15, 886	26, 933	20, 897	16, 926
Swedish.....	(7)	27, 663	21, 975	37, 095	36, 102	51, 072	54, 933	50, 173
All other.....	77, 410	57, 959	40, 764	69, 459	82, 624	104, 635	75, 826	93, 035
Total foreign.....	1, 415, 576	2, 743, 252	1, 733, 004	2, 132, 836	2, 665, 074	2, 695, 820	2, 446, 507	2, 417, 633
Parcel post.....			98, 375	107, 189	125, 133	129, 161	111, 501	110, 153
Cars and other land vehicles.....	157, 501	547, 368	310, 314	358, 251	385, 140	410, 912	411, 846	431, 061

¹ Included in "All other."

Source: Bureau of Foreign and Domestic Commerce.

22.—FOREIGN COMMERCE OF THE UNITED STATES

[All statistics of foreign commerce in this section are compiled in the Bureau of Foreign and Domestic Commerce, Department of Commerce. The geographic area covered by these statistics, except as noted, is the United States customs area which includes Alaska, Hawaii, and Porto Rico. See headnote, Table 602. Other explanations of the trade tables are given in the introduction to the Annual Commerce and Navigation of the United States.]

No. 501.—SUMMARY OF FOREIGN TRADE OF THE UNITED STATES

NOTE.—Figures for 1911-1915 cover fiscal years; thereafter calendar years are shown

[All figures in thousands of dollars]

	1911-1915, average	1915-1920, ¹ average	1921-1925, average	1925	1926	1927	1928
Merchandise:							
Exports.....	2,370,630	3,521,190	4,397,026	4,808,848	4,808,860	4,865,375	5,128,356
United States merchandise.....	2,331,048	3,416,513	4,310,221	4,818,722	4,711,721	4,758,864	5,030,090
Reexports of foreign merchandise.....	38,891	104,677	86,805	91,126	96,939	106,512	98,258
General imports.....	1,712,319	3,358,354	3,450,103	4,226,589	4,430,888	4,184,742	4,091,447
Excess of exports.....	658,320	3,162,836	946,924	682,258	377,772	680,633	1,036,912
Gold:							
Exports.....	83,173	253,248	82,739	262,640	115,708	201,455	560,759
United States gold.....	81,151	255,867	81,183	262,263	114,004	201,241	555,336
Foreign gold.....	2,022	7,382	1,557	377	1,614	214	5,373
Imports.....	85,969	392,022	347,425	128,273	213,504	207,585	168,897
Excess of exports (+) or imports (-).....	-2,796	-148,773	-264,686	+134,367	-97,796	-6,080	+391,862
Silver:							
Exports.....	61,432	143,447	79,174	89,128	92,258	75,626	87,382
United States silver.....	56,894	127,414	52,602	81,803	74,558	60,315	64,329
Foreign silver.....	4,598	16,034	26,512	17,325	17,700	15,310	23,053
Imports.....	38,739	64,217	69,409	84,595	69,598	55,074	68,117
Excess of exports (+) or imports (-).....	+22,693	+79,231	+9,765	+34,532	+22,662	+20,551	+19,265
Excess of exports (+) or imports (-) of merchandise, gold and silver.....	+678,117	+3,083,298	+992,008	+852,157	+302,638	+695,104	+1,448,039
Imports of merchandise for consumption.....	1,698,029	3,288,839	3,422,748	4,176,218	4,408,070	4,163,090	4,077,937
Entered for immediate consumption.....	1,518,447	3,075,230	3,050,279	3,702,322	3,948,815	3,719,850	3,655,371
Withdrawn from warehouse.....	179,582	213,600	372,469	473,896	459,261	443,234	422,566
Free.....	966,141	2,262,412	2,088,032	2,708,828	2,908,107	2,680,059	2,078,633
Dutiable.....	731,887	1,028,245	1,333,816	1,467,391	1,499,969	1,483,031	1,399,304
Per cent free.....	56.89	68.79	61.03	64.87	65.97	64.33	63.68
Duties calculated.....	283,408	227,035	478,911	551,853	590,045	574,839	542,270
Ratio of duties to total imports for consumption, per cent.....	16.69	6.90	13.99	13.21	13.39	13.81	13.30
Ratio to dutiable imports.....	38.72	22.08	35.99	37.61	39.34	38.76	38.76
Entered for warehouse.....	193,872	283,124	399,824	524,267	482,078	404,886	436,073
Remaining in warehouse, end of period.....	94,406	240,291	172,859	193,899	202,143	207,958	208,766

¹ Period July 1, 1915, to Dec. 31, 1920.

No. 502.—MERCHANDISE TRADE OF CONTINENTAL UNITED STATES WITH FOREIGN COUNTRIES AND OUTLYING TERRITORIES AND POSSESSIONS

IMPORTANT NOTE.—This table differs as to its geographic basis from all other foreign trade tables in this section and in other publications: (1) In the case of other tables the data represent the trade of the "customs area," which includes continental United States, Alaska, Hawaii, and Porto Rico, but not other outlying possessions. Consequently trade between continental United States and Alaska, Hawaii, and Porto Rico is not covered by the figures, while trade between these three Territories and foreign countries is so included. On the other hand, trade between continental United States (also Alaska, Hawaii, and Porto Rico) and the Philippine and Virgin Islands is covered, being treated as if it were trade with foreign countries. However, neither the trade between continental United States and Guam and American Samoa nor their trade with other countries, is covered. (2) The present table takes continental United States as the basis. In the totals, trade between it and Alaska, Hawaii, and Porto Rico is included while their trade with foreign countries is excluded. Trade of continental United States with Guam and American Samoa is also included. Practically all other nations calculate their foreign trade in the manner followed in the present table; that is, totaling the trade of the home country with foreign countries and with all outlying areas. Prior to 1901 Alaska was our only outlying area. Therefore our foreign trade statistics for 1900 and earlier years very nearly represent the trade of continental United States with foreign countries. Data are for years ended June 30, through 1918; thereafter for years ended Dec. 31

[All figures in thousands of dollars]

Yearly average or year	Exports ¹			Imports		
	Total	To foreign countries	To United States Territories and possessions	Total	From foreign countries	From United States Territories and possessions
1906-1910	1,829,286	1,761,625	67,661	1,410,329	1,324,594	85,734
1911-1915	2,441,254	2,337,591	103,664	1,811,234	1,681,207	130,027
1915-1920 ²	6,656,126	6,452,539	203,587	3,506,084	3,274,496	321,588
1921-1925	4,552,456	4,335,341	217,114	3,650,280	3,351,378	298,902
1903	1,447,258	1,410,420	36,838	1,097,420	1,008,531	58,889
1904	1,487,934	1,449,840	38,094	1,031,794	972,663	59,131
1905	1,551,657	1,508,137	43,520	1,173,079	1,097,829	75,250
1906	1,784,527	1,732,800	51,667	1,275,189	1,207,607	67,582
1907	1,932,794	1,865,544	67,250	1,488,894	1,414,055	74,839
1908	1,907,874	1,842,104	65,770	1,264,301	1,175,572	88,729
1909	1,717,172	1,646,784	70,388	1,334,318	1,294,882	89,436
1910	1,804,063	1,720,831	83,232	1,638,942	1,530,956	107,986
1911	2,118,186	2,022,874	95,312	1,607,343	1,499,918	107,425
1912	2,276,732	2,172,434	104,298	1,762,351	1,619,423	142,923
1913	2,539,837	2,429,962	109,875	1,900,427	1,780,538	128,889
1914	2,434,851	2,327,087	107,764	1,980,228	1,865,197	115,031
1915	2,837,606	2,735,597	102,009	1,796,822	1,640,953	155,869
1916	4,420,846	4,302,878	117,973	2,362,645	2,159,598	203,047
1917	6,412,069	6,250,649	161,420	2,856,008	2,603,871	252,137
1918	6,054,232	5,857,167	197,065	3,150,128	2,854,047	296,081
1918 (6 months)	3,222,793	3,138,793	84,000	1,614,762	1,430,878	183,884
1919	8,050,279	7,833,823	225,456	4,125,076	3,821,142	304,834
1920	8,439,474	8,105,660	333,814	5,668,942	5,140,192	528,750
1921	4,620,537	4,427,556	192,981	2,672,013	2,438,856	233,157
1922	3,963,077	3,780,020	183,057	3,282,206	3,036,381	245,825
1923	4,333,730	4,100,344	224,386	4,010,641	3,697,607	313,034
1924	4,761,644	4,521,219	240,425	3,832,148	3,494,159	337,989
1925	5,083,287	4,838,565	244,722	4,456,787	4,060,887	395,900
1926	4,991,783	4,720,811	261,972	4,669,318	4,303,302	366,016
1927	5,056,957	4,785,482	271,475	4,421,181	4,047,124	374,057
1928	5,311,007	5,038,692	272,315	4,349,684	3,951,181	398,503

¹Exports include both United States merchandise and reexports of foreign merchandise.

²Period July 1, 1915, to Dec. 31, 1920.

No. 503.—PRODUCTION OF EXPORTABLE GOODS AND PROPORTION EXPORTED

NOTE.—Agricultural production excludes duplications and seeds. Value added to materials by manufacture is used to represent manufacturing. Value of mine products in 1909 and 1919 are census figures while estimates for other years are based on data of the Bureau of Mines. As the figures are not adjusted for price changes the increase or decrease in absolute values from period to period should be disregarded

Amounts in millions of dollars]

Year	Agricultural products	Manufactures	Mining	Freight receipts (railroad)	Total	Exports, United States merchandise	Per cent of total
1899	3,355	4,831	600	1,981	9,767	1,253	12.8
1904	4,262	6,294	850	1,415	12,821	1,426	11.1
1909	6,472	8,529	1,238	1,801	18,040	1,701	9.4
1914	8,165	9,675	1,450	2,082	21,372	2,071	9.7
1919	17,677	24,748	3,158	3,625	49,208	7,750	15.7
1921	10,268	18,327	2,900	4,004	35,499	4,379	12.3
1923	12,382	25,846	4,800	4,712	47,240	4,001	8.7
1925	13,064	26,771	4,100	4,648	48,603	4,819	9.9
1927	² 13,000	27,586	4,000	4,745	49,331	4,759	9.6

¹ Mean of preceding and following fiscal year.

² Approximate.

No. 504.—EXPORTS OF MANUFACTURED GOODS IN RELATION TO TOTAL PRODUCTION

NOTE.—The value of materials excluding duplication is necessarily an approximation and hence is expressed as a maximum and minimum. As the figures are not adjusted for price changes the absolute increase or decrease from period to period should be disregarded.

[Amounts in millions of dollars]

Year	Value of product			Exports of United States merchandise	
	Materials, excluding duplication	Value added by manufacture	Total net value	Amount	Per cent
All manufactures:					
1899	2,300-2,800	4,831	7,100-7,600	745	9.8-10.5
1904	3,100-3,700	6,294	9,400-10,000	863	8.6-9.2
1909	4,300-5,200	8,529	12,800-13,700	1,001	7.3-7.8
1914	5,300-6,500	9,675	15,000-16,200	1,505	9.3-10.0
1919	12,500-14,500	24,748	37,250-39,250	5,449	13.9-14.6
1921	8,000-9,400	18,327	26,300-27,700	2,722	9.8-10.3
1923	11,500-13,200	25,846	37,350-39,050	2,625	6.7-7.0
1925	11,900-13,600	26,771	38,700-40,400	3,079	7.6-8.0
1927	11,750-13,450	27,586	39,300-41,000	3,145	7.7-8.0
Foodstuffs manufactures:					
1899	1,300-1,500	415	1,700-1,900	312	16.4-18.4
1904	1,700-2,000	540	2,250-2,550	296	11.6-13.2
1909	2,200-2,700	760	2,950-3,450	281	8.1-9.5
1914	2,700-3,300	1,036	3,750-4,350	374	8.6-10.0
1919	7,100-8,300	2,434	9,500-10,700	1,963	18.3-20.7
1921	4,100-4,800	2,084	6,200-6,900	685	9.9-11.0
1923	4,750-5,500	2,460	7,200-7,950	553	7.3-8.1
1925	5,300-6,100	2,663	7,950-8,750	574	6.6-7.2
1927	5,500-6,300	2,886	8,400-9,200	463	5.0-5.5
Other manufactures:					
1899	1,000-1,300	4,416	5,400-5,700	433	7.6-8.0
1904	1,400-1,700	5,764	7,150-7,450	567	7.6-7.9
1909	2,100-2,500	7,779	9,850-10,250	720	7.0-7.3
1914	2,600-3,200	8,639	11,280-11,880	1,131	9.5-10.1
1919	5,400-6,200	22,314	27,750-28,550	3,486	12.2-12.6
1921	3,900-4,600	16,233	20,100-20,800	2,037	9.8-10.1
1923	6,750-7,700	23,386	30,150-31,100	2,042	6.6-6.8
1925	6,600-7,500	24,108	30,780-31,650	2,505	7.9-8.1
1927	6,250-7,150	24,700	30,900-31,800	2,082	8.4-8.7

No. 505.—INDEXES OF CHANGES IN QUANTITY, PRICE, AND VALUE OF IMPORTS AND EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—The purpose of these indexes is to eliminate the effect of price changes upon the total value of trade. They have been constructed by the so-called ideal formula, the essential feature of which is the use as weighting factors of the mean of the values of the several articles during each pair of years compared. For many commodities no quantitative data are available and for others the quantities lack significance because of variation in grades, size, and styles. About 180 commodities were included in the direct calculations for exports and 160 for imports, representing somewhat over two-thirds of the total value. It was then assumed that the prices of articles not directly covered had moved in parallel with those of articles covered save only that in making the adjustment the effect of abnormal price movements of heavily weighted commodities was first eliminated. In constructing the indexes, data for 1913 were linked directly to 1913 and each subsequent year was compared with that preceding. The resulting percentages were made into a series by the chain method.

Yearly average or year	Exports of U. S. merchandise			Imports			Domestic wholesale price index
	Quantity	Price	Value	Quantity	Price	Value	
1913 taken as 100:							
1913.....	100	100	100	100	100	100	100
1910-1914 ¹	2 89	(²)	87	(²)	(²)	84	98
1921-1925.....	123	144	176	151	126	192	142
1919.....	142	223	317	125	174	218	199
1920.....	137	241	330	139	213	294	221
1921.....	120	160	179	120	117	140	140
1922.....	112	138	164	154	113	174	139
1923.....	115	146	167	161	132	212	144
1924.....	130	143	184	156	129	201	141
1925.....	137	144	197	166	142	236	148
1926.....	146	133	192	178	130	247	143
1927.....	158	124	194	180	130	233	137
1928.....	165	125	206	181	126	228	140
1923-1925 taken as 100:							
1913.....	79	69	55	62	75	46	69
1910-1914 ¹	1 70	(²)	48	(²)	(²)	44	68
1921-1925.....	96	100	96	94	94	89	90
1919.....	112	155	173	78	130	101	138
1920.....	108	167	181	80	158	136	153
1921.....	94	104	98	75	87	65	97
1922.....	88	95	84	66	84	80	97
1923.....	90	101	92	100	98	98	100
1924.....	102	99	101	97	96	93	97
1925.....	103	100	108	103	106	109	103
1926.....	115	92	105	110	104	114	99
1927.....	124	86	107	112	96	108	95
1928.....	130	86	113	113	94	106	97

¹ Fiscal years.

² Indexes not calculated for 1910-1914. The quantity index of exports is estimated by assuming that the relation of export prices in 1910-1914 to 1913 was the same as that for domestic prices.

No. 506.—EXPORTS AND IMPORTS OF GOLD AND SILVER: BY MONTHS

[All figures in thousands of dollars]

Month	Gold						Silver					
	1926		1927		1928		1926		1927		1928	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
January.....	3, 037	19, 351	14, 890	59, 355	52, 086	33, 320	9, 763	5, 763	7, 388	5, 151	6, 692	6, 305
February.....	3, 851	25, 416	2, 414	22, 309	25, 806	14, 636	7, 752	8, 863	6, 233	3, 849	7, 479	4, 653
March.....	4, 225	43, 413	5, 625	16, 382	97, 536	2, 683	8, 333	5, 539	6, 077	4, 308	7, 405	5, 134
April.....	17, 834	13, 116	2, 592	14, 503	96, 469	5, 319	7, 612	6, 322	6, 824	3, 815	6, 587	4, 888
May.....	9, 343	2, 935	2, 510	34, 212	83, 089	1, 968	7, 931	4, 872	6, 026	5, 083	6, 712	4, 247
June.....	3, 846	18, 590	1, 840	14, 611	99, 932	20, 091	7, 978	5, 928	5, 444	4, 790	7, 456	6, 221
July.....	5, 070	19, 820	1, 803	10, 738	74, 190	10, 331	7, 921	5, 949	6, 650	4, 288	6, 160	6, 544
August.....	29, 743	11, 979	1, 624	7, 877	1, 693	2, 445	8, 041	5, 959	6, 890	4, 855	9, 246	6, 490
September.....	23, 051	15, 087	24, 444	12, 979	3, 810	4, 273	7, 243	7, 203	6, 627	4, 922	6, 229	5, 739
October.....	1, 186	8, 357	16, 698	2, 056	992	14, 331	7, 279	5, 698	5, 945	5, 069	7, 252	7, 319
November.....	7, 727	16, 738	65, 266	2, 082	22, 916	29, 591	6, 794	3, 941	5, 634	5, 102	7, 674	5, 448
December.....	7, 196	17, 604	77, 849	10, 431	1, 036	24, 950	5, 610	4, 430	7, 186	3, 770	8, 489	5, 120

No. 507.—GOLD UNDER EARMARK FOR FOREIGN ACCOUNT IN THE UNITED STATES

NOTE.—Gold under earmark is gold placed by a bank in the custody of its foreign correspondent but segregated and marked in such a manner as to indicate that the identical coins or bars earmarked are the bank's property and altogether subject to its disposal

[All figures in thousands of dollars]

Year	Increase or decrease during year of gold under earmark ¹	Month	Amount under earmark at end of month					
			1916	1917	1918	1919	1920	1921
1917	+845	January		6,097	6,942	6,942	6,000	18,010
1918		February		6,097	6,942	6,942	5,000	20,000
1919	-1,942	March	2,391	6,097	6,942	6,842	6,000	20,000
1920	+17,000	April	4,571	6,097	6,942		9,000	20,000
1921	-22,000	May	4,571	6,097	6,942		10,000	20,000
1922	+3,700	June	5,071	6,097	6,942		11,500	23,000
1923	-700	July	5,402	6,097	6,942		14,500	18,000
1924	+42,213	August	5,502	6,778	6,942		16,500	18,000
1925	-32,244	September	5,955	6,942	6,942		17,500	8,000
1926	+26,297	October	5,981	6,942	6,942	3,000	20,000	
1927	+160,153	November	5,981	6,942	6,942	4,000	20,500	
1928	-119,522	December	6,097	6,942	6,942	5,000	22,000	

Month	Amount under earmark at end of month						
	1922	1923	1924	1925	1926	1927	1928
January		5,329	3,000	46,023	19,012	19,779	193,919
February		1,000	2,407	47,389	30,012	16,599	191,051
March		1,000	4,859	54,214	53,000	18,101	155,251
April			5,417	39,364	53,000	19,101	109,511
May			4,417	29,639	53,000	114,101	136,050
June			2,417	21,564	53,580	114,601	105,997
July		1,500	5,000	25,465	49,580	114,417	45,050
August		1,500	12,984	16,740	30,350	116,918	39,134
September		1,000	26,213	15,839	32,780	125,918	40,334
October	1,500	3,000	43,213	12,069	32,776	150,919	39,134
November	1,700	3,000	43,713	10,969	40,274	190,919	64,136
December	3,700	3,000	45,213	12,069	39,266	199,419	79,897

¹ Increase is the equivalent of net export and decrease the equivalent of net import.
Source: Federal Reserve Board.

No. 508.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL
IMPORTS OF MERCHANDISE: By MONTHS

[All figures in millions and tenths of millions of dollars]

Month	1901		1902		1903		1904		1905		1906	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
January	136.3	69.3	129.1	70.1	134.0	85.2	142.0	82.6	123.6	98.3	170.6	106.5
February	113.0	64.5	101.6	68.4	125.6	82.6	118.8	80.0	106.6	103.1	141.8	104.2
March	124.5	76.9	106.7	84.2	132.1	86.2	119.9	91.3	137.0	110.4	146.5	113.6
April	120.3	76.7	105.7	75.8	100.8	87.7	100.9	83.6	123.6	95.1	144.4	107.3
May	124.6	78.0	102.3	75.7	100.9	79.0	89.9	80.7	123.8	92.5	130.5	104.9
June	102.8	63.4	89.2	73.1	95.2	82.9	93.2	81.2	121.2	90.4	125.0	100.8
July	109.5	73.1	83.8	79.1	81.8	82.2	85.2	71.2	107.0	84.5	111.7	102.6
August	108.0	73.1	94.9	78.9	89.4	82.0	92.3	87.7	117.7	95.8	129.8	105.7
September	107.0	66.8	121.2	87.7	110.4	81.8	134.3	84.1	136.0	102.0	138.5	102.6
October	145.7	81.4	144.3	87.4	160.4	81.9	162.5	92.8	154.4	107.4	187.4	118.1
November	136.5	72.0	125.2	85.4	160.3	77.0	163.1	95.2	170.3	98.3	182.7	119.8
December	136.9	79.9	148.0	94.4	174.8	77.8	145.3	96.6	199.7	101.1	190.4	134.3
	1907		1908		1909		1910		1911		1912	
January	189.3	126.6	206.1	85.0	166.7	103.6	144.5	133.7	197.1	130.6	202.4	143.6
February	169.5	123.0	167.8	84.8	126.1	113.7	124.6	130.1	176.0	121.7	198.8	134.2
March	161.7	133.1	141.6	89.1	139.3	132.9	143.7	163.0	161.9	139.0	205.4	157.6
April	157.5	129.6	133.4	87.4	125.2	122.2	133.1	133.9	158.0	119.8	179.3	162.6
May	134.8	126.5	113.6	84.0	123.8	116.1	131.1	118.8	153.2	129.8	175.4	165.7
June	137.7	112.5	115.4	92.1	117.4	124.7	127.9	119.9	141.7	122.8	138.2	131.0
July	128.5	124.6	103.2	86.4	109.3	112.5	114.6	117.3	127.7	118.1	148.9	148.7
August	127.3	125.8	110.4	91.2	109.8	117.1	134.7	138.4	144.2	125.9	167.8	164.8
September	135.3	106.4	139.3	98.4	164.0	121.0	168.9	117.3	195.8	125.2	199.7	144.8
October	180.3	111.9	172.0	102.0	200.7	127.7	207.7	124.0	210.4	132.6	254.6	178.0
November	204.5	110.9	161.3	103.9	194.0	140.5	206.0	129.8	201.8	126.2	278.2	163.1
December	207.1	92.2	188.8	111.9	172.5	138.7	229.0	136.7	224.9	140.7	250.3	164.1
	1913		1914		1915		1916		1917		1918	
January	227.0	163.1	204.1	154.7	267.9	122.1	330.0	184.4	613.3	241.8	604.8	233.9
February	194.0	149.9	173.9	148.0	299.8	125.1	401.8	193.9	467.6	199.5	411.4	207.7
March	187.4	155.4	187.5	162.6	286.0	168.0	410.7	213.6	554.0	270.3	522.9	242.2
April	199.8	146.2	169.6	173.8	274.7	160.6	398.6	218.2	529.9	263.0	600.4	279.0
May	194.6	133.7	161.7	164.3	274.2	142.3	474.8	220.2	549.7	280.7	650.9	322.9
June	163.4	131.2	187.1	157.5	268.5	157.7	464.7	245.8	573.5	300.6	483.8	200.4
July	161.0	139.1	184.1	159.7	268.5	143.2	444.7	182.7	572.8	225.8	507.5	241.9
August	187.9	137.7	110.4	129.8	260.6	141.8	510.2	199.3	488.7	267.8	527.0	273.0
September	218.2	171.1	166.1	139.7	300.7	151.2	614.9	164.0	464.5	236.2	550.4	261.7
October	271.9	132.9	194.7	138.1	336.2	149.2	492.8	178.7	542.1	221.2	601.9	246.8
November	245.5	148.2	205.9	126.5	327.7	155.5	516.2	177.0	487.3	220.5	522.2	261.0
December	233.2	184.0	245.6	114.7	350.3	171.8	523.2	204.8	600.1	227.9	565.9	210.9
	1919		1920		1921		1922		1923		1924	
January	622.0	213.0	722.1	473.8	654.3	208.8	278.8	217.2	335.4	329.3	395.2	295.5
February	585.1	235.1	645.1	467.4	496.5	214.5	250.6	215.7	307.0	303.4	365.8	332.3
March	603.1	267.6	619.6	523.9	386.7	252.0	330.0	256.2	341.4	308.0	339.8	320.5
April	714.8	273.0	684.3	495.7	340.5	254.6	318.5	217.0	325.5	364.3	340.9	324.3
May	604.0	328.9	745.5	481.0	329.7	204.9	307.6	252.8	316.4	372.5	335.1	308.0
June	928.4	292.9	620.4	652.6	336.9	185.7	335.1	260.5	320.0	320.2	207.0	274.0
July	568.7	343.7	651.1	637.1	325.2	178.2	301.2	251.8	302.2	287.4	276.6	278.6
August	646.1	307.3	578.2	613.1	366.9	194.8	301.8	281.4	311.0	275.4	330.7	254.5
September	595.2	435.4	604.7	363.3	324.9	170.3	313.2	229.5	381.4	253.6	427.5	287.1
October	631.6	401.8	751.2	333.2	343.3	188.0	370.7	345.1	399.2	308.3	527.2	310.8
November	740.0	424.8	676.5	321.2	294.1	210.9	380.0	291.8	401.5	291.3	493.6	296.1
December	681.4	380.7	720.3	266.1	206.2	237.5	344.3	293.8	426.7	238.3	445.7	333.2
	1925		1926		1927		1928		1929			
January	446.4	346.2	396.8	416.8	419.4	356.8	410.8	337.9	488.0	368.9		
February	370.7	333.4	352.9	387.3	372.4	310.9	371.4	351.0	441.8	360.4		
March	463.7	385.4	374.4	442.9	409.0	378.3	420.6	380.4	489.9	383.8		
April	398.3	346.1	388.0	397.9	415.4	375.7	366.9	345.3	425.8	410.7		
May	370.9	327.5	356.7	320.9	393.1	346.5	422.6	354.0				
June	323.3	325.2	338.0	336.3	357.0	354.9	383.7	317.2				
July	339.7	325.6	365.3	339.0	341.8	319.8	379.0	317.5				
August	370.8	340.1	384.4	336.5	374.8	368.9	379.0	346.7				
September	420.4	350.0	448.1	343.2	425.3	342.2	421.0	319.0				
October	490.6	374.1	455.3	376.9	488.7	355.7	550.0	355.4				
November	447.8	376.4	480.3	373.9	460.9	344.3	544.9	326.6				
December	468.3	396.6	465.4	359.5	407.6	331.2	475.8	330.4				

No. 509.—ESTIMATED BALANCE OF INTERNATIONAL PAYMENTS OF THE UNITED STATES

NOTE.—All figures in millions of dollars. Many items included in this statement are very rough estimates. For full explanations of the items see "The Balance of International Payments of the United States in 1928" Trade Information Bulletin No. 625 of the Bureau of Foreign and Domestic Commerce

Classes of international transactions	1927 (revised)			1928		
	Credits	Debits	Balance	Credits	Debits	Balance
COMMODITY TRADE						
Merchandise exports and imports (as reported).....	4,865	4,184	+681	5,129	4,091	+1,038
Silver.....	76	55	+21	87	68	+19
Bunker coal and oil sales to foreign vessels.....	60	29	+31	50	25	+25
Ship chandling, ship repairs, and tonnage dues.....	45	34	+11	45	34	+11
Other merchandise adjustments.....	45	266	-161	23	279	-256
Total commodity trade (as adjusted).....	5,091	4,608	+583	5,334	4,497	+837
MISCELLANEOUS INVISIBLE ITEMS						
Freight payments and receipts:						
Oversea and Great Lakes traffic.....	125	149	-24	129	167	-38
Railway earnings on transit shipments.....	15	87	-22	14	40	-26
Foreign inland freight on United States imports.....		20	-20		20	-20
Tourist expenditures:						
Canada.....	83	199	-116	87	232	-145
Mexican border and overseas (incl. West Indies).....	80	497	-417	81	550	-469
Ocean-borne passenger traffic.....	89		+89	89		+89
Earnings of long-term private investments:						
Received from American investments abroad.....	743		+743	817		+817
Paid to foreign investors in the United States.....		203	-203		252	-252
Earnings of short-term interest and commissions:						
Collected from foreigners abroad.....	57		+57	65		+65
Paid to foreigners abroad.....		78	-78		107	-107
Immigrant remittances.....	35	241	-206	28	217	-189
War-debt receipts of United States Treasury:						
Interest.....	169		+169	169		+169
Principal.....	46		+46	50		+50
Other United States Government receipts and payments, and foreign representations here.....	57	86	-29	53	110	-57
Missionary and charitable contributions, etc.....		49	-49		52	-52
Motion-picture royalties.....	75	4	+71	70	6	+64
Insurance transactions.....	80	70	+10	80	70	+10
Miscellaneous minor items.....	44	51	-7	46	53	-7
Total commodity and miscellaneous items.....	6,780	6,192	+588	7,103	6,373	+730
MOVEMENT OF PRIVATE LONG-TERM CAPITAL						
<i>New American investments abroad:</i>						
1. Foreign securities publicly offered (par).....		1,537	-1,537		1,433	-1,433
2. Deduct for "estimated refunding to Americans".....	235		+235	237		+237
3. Deduct for American underwriters' commissions.....	63		+63	59		+59
4. Deduct for securities issued below par.....	56		+56	63		+63
5. Add new "direct investments" abroad by Americans.....		257	-257		378	-378
6. Add foreign stocks and bonds bought from foreigners in small lots.....		166	-166		598	-598
<i>Reductions of previous American investments abroad:</i>						
7. Bond-redemption and sinking-fund payments received from foreigners.....	304		+304	361		+361
8. Resale to foreigners of direct investments.....	51		+51	50		+50
9. Foreign stocks and bonds resold to foreigners.....	398		+398	442		+442
<i>New foreign investments in the United States:</i>						
10. Direct investments.....	28		+28	70		+70
11. American stocks and bonds sold to foreigners.....	361		+361	1,634		+1,634
<i>Reductions of previous foreign investments in the United States:</i>						
12. Redemption and sinking-fund payments to foreigners.....		70	-70		70	-70
13. American stocks and bonds bought back from foreigners.....		661	-661		1,153	-1,153
Total private, long-term capital items.....	1,096	2,691	-1,695	2,916	3,652	-1,736
Net change in international banking accounts, as revealed by questionnaire.....					226	-226
Gold shipments.....	201	207	-6	561	199	+392
Changes in ear-marked gold.....	183	23	+160	68	198	-120
Grand total, all items.....	9,160	9,113	+47	10,643	10,608	+40

¹ Estimated net export of long-term private capital.

No. 510.—EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—All figures in thousands of dollars. *Specie values.* Figures are for fiscal years ended Sept. 30, 1790 to 1842, and June 30, 1843 to 1915, subsequently for calendar years. For calendar years 1900-1915 and fiscal years 1916-1923, see Supplemental Table 512. For total exports and total imports by years prior to 1884, see Table 513. Figures include gold and silver prior to 1821

Yearly average or year	Exports			General imports	Total exports and imports	Excess of exports (+) or imports (-)
	Total	U. S. merchandise	Reexports			
1791-1800	46,774	27,740	10,034	59,185	105,959	-12,411
1801-1810	74,532	38,178	36,354	92,766	167,298	-18,234
1811-1820	58,989	46,270	12,719	80,812	139,801	-21,823
1821-1830	69,421	53,221	16,200	72,949	142,370	-3,528
1831-1840	103,550	88,168	15,382	119,520	223,070	-15,970
1841-1850 ¹	122,020	114,894	7,727	121,123	243,743	+1,498
1851-1860	248,887	232,283	16,604	234,475	533,362	-35,588
1861-1865	187,811	170,198	17,613	255,439	443,260	-67,628
1866-1870	320,842	307,090	13,146	408,295	729,137	-87,453
1871-1875	501,841	480,128	16,713	577,873	1,070,714	-76,082
1876-1880	670,781	663,650	13,121	492,670	1,169,381	+194,191
1881-1885	791,892	774,607	17,285	667,142	1,459,034	+124,750
1886-1890	738,379	725,685	12,694	717,281	1,455,610	+21,148
1891-1895	892,421	876,326	16,095	785,137	1,677,563	+107,284
1896-1900	1,157,318	1,136,039	21,279	741,519	1,898,837	+415,799
1901-1905	1,453,803	1,427,020	26,783	972,162	2,425,965	+481,641
1906-1910	1,778,697	1,750,980	27,717	1,344,888	3,123,585	+433,859
1911-1915	2,370,539	2,331,648	38,891	1,712,319	4,082,868	+658,220
1916-1920 ²	6,521,190	6,416,513	104,677	3,358,354	9,879,545	+3,162,830
1921-1925	4,397,026	4,310,221	86,805	3,450,103	7,847,129	+946,924
1884	740,514	724,965	15,549	667,698	1,408,212	+72,816
1885	742,190	726,683	15,607	577,527	1,319,717	+164,663
1886	670,525	665,965	13,560	635,486	1,314,961	+44,089
1887	716,183	703,023	13,160	692,320	1,408,503	+23,863
1888	695,956	683,862	12,093	723,967	1,419,912	-26,002
1889	742,401	730,282	12,119	745,132	1,487,533	-2,731
1890	857,829	845,294	12,535	789,310	1,647,139	+68,519
1891	884,461	872,270	12,211	844,916	1,729,307	+39,565
1892	1,030,278	1,015,732	14,546	827,402	1,867,680	+202,876
1893	847,605	831,031	16,574	866,401	1,714,066	-18,736
1894	892,141	869,295	22,846	964,995	1,547,136	+237,146
1895	807,533	793,363	14,145	731,970	1,539,608	+76,568
1896	882,607	863,201	19,406	770,725	1,662,332	+102,892
1897	1,050,994	1,032,005	18,989	764,730	1,815,724	+236,264
1898	1,231,482	1,210,292	21,190	616,050	1,847,632	+615,432
1899	1,227,023	1,203,631	23,392	697,148	1,924,171	+629,575
1900	1,304,483	1,370,764	23,019	849,941	2,244,424	+544,542
1901	1,487,765	1,460,463	27,302	823,172	2,310,937	+664,593
1902	1,351,719	1,355,482	20,237	903,321	2,285,540	+478,398
1903	1,420,142	1,392,232	27,910	1,025,719	2,445,801	+394,423
1904	1,460,827	1,436,179	25,648	901,087	2,451,914	+469,740
1905	1,518,562	1,491,745	26,817	1,117,513	2,636,075	+401,049
1906	1,743,865	1,717,954	25,911	1,226,562	2,970,427	+517,303
1907	1,880,851	1,853,718	27,133	1,434,421	3,315,272	+446,430
1908	1,890,773	1,834,786	25,987	1,194,342	3,055,115	+666,431
1909	1,668,011	1,638,356	24,655	1,311,920	2,974,931	+431,091
1910	1,744,985	1,710,084	34,901	1,556,947	3,301,932	+188,038
1911	2,049,320	2,013,549	35,771	1,527,226	3,576,546	+522,094
1912	2,201,322	2,170,320	34,002	1,663,266	3,867,587	+551,067
1913	2,465,834	2,428,506	37,328	1,813,003	4,278,892	+652,876
1914	2,564,679	2,320,684	34,896	1,893,926	4,258,505	+470,553
1915	2,768,589	2,716,178	52,411	1,674,170	4,442,759	+1,094,410
1915 (6 months)	1,852,863	1,820,393	32,470	912,787	2,765,650	+940,076
1916	5,482,641	5,422,642	59,999	2,391,635	7,374,276	+3,091,006
1917	6,235,513	6,169,617	65,896	2,952,468	9,185,981	+3,281,445
1918	6,149,083	6,047,875	60,208	3,031,213	9,180,301	+3,117,875
1919	7,920,426	7,749,816	170,610	3,904,365	11,824,791	+4,016,061
1920	8,228,016	8,080,481	147,535	5,278,481	13,506,497	+2,940,536
1921	4,485,031	4,378,928	106,103	2,509,148	6,994,179	+1,975,833
1922	3,831,777	3,765,091	66,686	3,112,747	6,944,524	+719,080
1923	4,167,493	4,090,715	76,778	3,792,066	7,959,559	+375,227
1924	4,590,984	4,497,649	93,335	3,609,903	8,209,947	+891,021
1925	4,909,848	4,818,722	91,125	4,226,589	9,136,437	+683,258
1926	4,808,660	4,711,721	96,939	4,430,888	9,239,548	+377,772
1927	4,669,373	4,758,864	106,512	4,184,742	9,050,117	-680,633
1928	5,128,356	5,030,699	98,258	4,091,444	9,219,800	+1,036,912

¹ Period beginning Oct. 1, 1841, and ending June 30, 1850.² Period July 1, 1915, to Dec. 31, 1920.

No. 511.—EXPORTS AND IMPORTS OF GOLD, SILVER, AND OF MERCHANDISE, GOLD, AND SILVER COMBINED

NOTE.—All figures in thousands of dollars. As to periods covered see heading, Table 510. Figures for gold and silver relate to coin and bullion only prior to 1895; subsequently they include ore also. See also Table 512

Yearly average or year	Gold			Silver			Total merchandise, gold, and silver		
	Exports	Imports	Excess of exports (+) or imports (-)	Exports	Imports	Excess of exports (+) or imports (-)	Exports	Imports	Excess of exports (+) or imports (-)
1821-1830	(1)	(1)	(1)	17,154	16,914	+239	70,575	79,863	-3,288
1831-1840	2,154	3,394	-1,240	3,630	7,868	-4,238	109,234	130,298	-21,064
1841-1850	3,222	5,463	-2,241	3,445	3,443	1	120,288	130,029	-9,741
1851-1860	40,872	3,762	+42,610	3,130	3,958	-858	298,399	292,226	+6,173
1861-1865	56,814	15,881	+40,933	3,061	3,172	-789	248,586	274,402	-25,906
1866-1870	50,452	12,030	+38,422	20,746	6,608	+14,138	392,040	426,932	-34,892
1871-1875	62,423	11,407	+40,926	31,015	9,673	+22,242	586,179	599,043	-12,864
1876-1880	15,040	26,700	-11,760	22,670	13,182	+9,488	714,470	532,642	+181,928
1881-1885	19,203	40,333	-21,070	22,739	12,108	+10,631	833,894	719,583	+114,311
1886-1890	29,651	26,163	+3,488	31,052	18,048	+13,037	799,112	701,439	+97,673
1891-1895	77,737	30,588	+47,149	38,777	18,935	+19,842	1,008,935	843,669	+165,276
1896-1900	60,793	74,492	-13,699	58,125	31,234	+26,891	1,266,236	847,245	+418,991
1901-1905	64,580	63,152	+1,428	51,818	28,807	+22,511	1,569,701	1,064,122	+505,579
1906-1910	74,500	80,283	-14,783	58,300	44,244	+14,056	1,911,407	1,478,365	+433,042
1911-1915	83,173	85,969	-2,796	61,432	38,730	+22,693	2,515,144	1,897,027	+618,117
1916-1920	233,248	382,022	-148,773	143,447	64,217	+79,231	6,897,836	3,804,593	+3,093,233
1921-1925	32,739	347,425	-284,686	79,174	69,400	+9,765	4,568,940	3,806,937	+762,003
1884	41,082	22,831	+18,251	26,051	14,595	+11,456	807,647	705,124	+102,523
1886	8,478	8,263	+215	18,214	33,754	-15,561	17,203	620,770	+603,567
1886	42,952	20,743	+22,209	29,511	17,850	+11,661	751,988	674,030	+77,958
1887	9,701	42,911	-33,210	26,297	17,260	+9,037	752,181	752,491	-310
1888	18,376	43,934	-25,558	28,038	15,404	+12,634	742,369	733,205	+9,164
1889	50,952	10,285	+40,667	36,989	18,678	+18,011	839,043	774,075	+64,968
1890	17,274	12,943	+4,331	34,874	21,033	+13,841	909,977	823,287	+86,690
1891	86,363	18,233	+68,130	22,591	18,027	+4,564	993,434	881,176	+112,258
1892	50,196	49,009	+1,187	32,811	19,965	+12,856	1,113,284	897,087	+216,227
1893	108,081	21,174	+86,907	40,737	23,193	+17,544	997,083	910,739	+86,314
1894	76,078	72,449	+3,629	50,451	13,287	+37,164	1,019,570	740,799	+278,840
1895	66,468	36,385	+30,083	47,295	20,211	+27,084	921,302	788,566	+132,736
1896	112,410	33,525	+78,885	60,542	28,777	+31,765	1,055,559	842,027	+213,532
1897	40,302	85,015	-44,683	61,947	30,533	+31,414	1,153,302	880,278	+273,024
1898	15,406	120,392	-104,986	55,105	30,928	+24,177	1,801,994	707,369	+1,094,625
1899	37,522	38,955	-1,433	56,319	30,675	+25,644	1,320,864	816,778	+504,086
1900	48,207	44,673	+3,534	56,712	35,265	+21,466	1,409,492	929,771	+479,721
1901	53,185	66,051	-12,866	64,285	36,387	+27,898	1,605,235	925,610	+679,625
1902	48,599	52,021	-3,422	49,732	28,232	+21,500	1,480,021	963,574	+516,447
1903	47,091	44,982	+2,109	44,250	24,163	+20,087	1,511,483	1,094,865	+416,618
1904	81,480	39,055	+42,425	48,473	27,699	+20,774	1,591,760	1,117,012	+474,848
1905	92,594	59,449	+33,145	48,849	27,485	+21,364	1,690,005	1,198,647	+491,358
1906	38,574	90,222	-51,648	65,890	44,443	+21,420	1,848,307	1,367,227	+481,080
1907	51,399	114,610	-63,211	56,739	42,947	+13,792	1,988,989	1,591,878	+397,111
1908	72,433	148,337	-75,904	57,921	44,058	+13,263	1,991,127	1,387,327	+603,790
1909	91,532	44,004	+47,528	55,683	43,955	+11,728	1,819,225	1,399,879	+419,347
1910	118,593	43,840	+74,753	55,287	45,217	+10,070	1,918,835	1,645,505	+273,330
1911	22,510	73,607	-51,097	64,750	45,937	+18,813	2,139,580	1,646,770	+492,810
1912	67,328	48,937	+18,391	64,891	47,060	+17,841	2,326,541	1,749,252	+577,289
1913	77,793	69,194	+8,599	71,614	41,269	+30,345	2,615,261	1,923,471	+691,790
1914	112,039	60,539	+51,500	64,955	30,327	+34,628	2,591,593	1,940,791	+650,802
1915	140,224	171,569	-31,345	50,942	29,110	+21,832	2,968,750	1,874,849	+1,093,901
1915 (6 mos.)	23,843	307,030	-283,187	28,750	18,742	+10,008	1,905,455	1,238,569	+666,887
1916	156,793	685,990	-529,197	70,595	32,263	+38,332	5,709,029	3,106,889	+2,602,140
1917	371,884	856,454	-484,570	84,131	53,340	+30,791	6,689,527	3,585,263	+3,104,264
1918	41,076	62,043	-20,967	252,846	71,376	+181,470	6,443,004	3,164,631	+3,278,373
1919	868,135	76,534	+791,601	239,021	69,410	+169,611	6,527,632	4,070,309	+2,457,323
1920	322,001	417,068	-94,977	113,616	88,060	+25,556	6,693,724	5,783,610	+910,114
1921	23,891	691,248	-667,357	51,575	63,243	-11,668	4,500,497	3,203,039	+1,297,458
1922	36,875	275,175	-238,300	62,807	70,807	-7,999	3,991,459	3,458,724	+532,735
1923	28,644	322,716	-294,072	72,469	74,464	-1,995	4,268,005	4,189,236	+78,769
1924	61,648	319,721	-258,073	109,891	73,945	+35,946	4,762,523	4,003,028	+759,495
1925	202,640	128,272	+74,368	99,128	64,596	+34,532	5,271,615	4,419,458	+852,157
1926	115,708	213,504	-97,796	92,258	69,596	+22,662	5,018,626	4,713,988	+304,638
1927	201,455	207,585	-6,130	75,625	55,074	+20,551	5,142,455	4,447,351	+695,104
1928	560,759	168,897	+391,862	87,332	68,117	+19,265	6,776,497	4,328,458	+2,448,039

1 Data shown under silver are for gold and silver. These were not shown separately prior to 1825.
 2 Period beginning Oct. 1, 1841, and ending June 30, 1850. 3 Period July 1, 1915, to Dec. 31, 1920.

No. 512.—SUPPLEMENT TO TABLES 510 AND 511: CALENDAR YEARS 1900 TO 1915, AND FISCAL YEARS ENDED JUNE 30, 1916 TO 1928

[All figures in thousands of dollars]

Year	Merchandise					
	Exports			General imports	Total exports and imports	Excess of exports (+) or imports (-)
	Total	U. S. merchandise	Reexports			
1900	1,477,046	1,453,010	24,036	820,150	2,307,096	+648,708
1901	1,465,376	1,438,079	27,297	880,420	2,345,796	+584,968
1902	1,360,080	1,335,269	27,418	960,317	2,330,003	+391,369
1903	1,484,753	1,467,947	27,106	905,404	2,480,247	+480,259
1904	1,451,319	1,425,711	25,608	1,035,909	2,487,238	+415,410
1905	1,626,001	1,590,423	27,508	1,179,145	2,806,136	+447,846
1906	1,798,243	1,772,716	25,527	1,320,502	3,118,745	+477,742
1907	1,923,426	1,895,356	28,070	1,423,170	3,346,596	+500,256
1908	1,762,835	1,728,070	24,165	1,116,374	2,869,209	+636,461
1909	1,728,199	1,700,722	27,477	1,476,621	3,203,727	+262,678
1910	1,866,259	1,820,023	37,236	1,562,004	3,420,163	+303,355
1911	2,092,527	2,058,413	34,114	1,532,350	3,624,836	+500,168
1912	2,399,218	2,362,690	36,528	1,818,073	4,217,201	+581,445
1913	2,484,018	2,448,284	35,734	1,792,506	4,276,614	+601,422
1914	2,113,624	2,071,058	42,566	1,789,276	3,902,900	+324,348
1915	3,554,671	3,498,231	61,440	1,778,597	6,333,268	+1,776,074
1916	4,333,483	4,272,178	61,305	2,197,884	6,531,367	+2,135,509
1917	6,290,048	6,227,164	62,884	2,659,355	8,949,403	+3,630,603
1918	5,019,711	5,838,652	81,050	2,945,656	8,865,306	+2,079,056
1919	7,232,283	7,081,462	150,821	3,005,720	10,328,003	+4,136,663
1920	8,108,089	7,949,300	158,689	5,238,352	13,347,341	+2,870,637
1921	6,516,610	6,385,884	130,626	3,654,459	10,170,969	+2,862,051
1922	3,771,156	3,600,909	71,247	2,605,079	6,379,235	+1,163,077
1923	3,956,733	3,886,682	70,051	3,780,950	7,737,092	+175,774
1924	4,311,056	4,223,073	87,983	3,554,037	7,865,693	+177,619
1925	4,864,680	4,778,154	86,426	3,824,128	8,688,708	+1,040,452
1926	4,753,382	4,653,148	100,234	4,464,872	9,218,254	+288,509
1927	4,968,100	4,867,340	100,760	4,252,024	9,220,124	+716,076
1928	4,877,071	4,773,332	103,738	4,147,499	9,024,570	+720,572

Year	Gold			Silver			Total merchandise, gold and silver		Excess of exports (+) or imports (-)
	Exports	Imports	Excess of exports (+) or imports (-)	Exports	Imports	Excess of exports (+) or imports (-)	Exports	Imports	
1901	57,784	64,762	+3,022	55,638	31,147	+24,491	1,578,798	960,329	+612,469
1902	36,031	44,193	-8,162	49,278	26,403	+22,870	1,445,990	1,039,919	+408,077
1903	44,347	66,268	-20,921	40,610	23,975	+16,635	1,569,710	1,084,737	+484,973
1904	121,212	84,803	+36,409	50,135	26,087	+24,048	1,622,066	1,146,799	+475,867
1905	46,794	50,203	-3,499	57,513	35,939	+21,574	1,731,298	1,265,377	+466,921
1906	46,709	155,579	-108,870	60,957	44,228	+16,729	1,905,909	1,520,399	+385,600
1907	55,216	143,398	-88,182	61,626	45,912	+15,714	2,040,268	1,612,480	+427,788
1908	81,215	50,276	+30,939	51,838	42,224	+9,614	1,885,888	1,208,874	+677,014
1909	132,881	44,087	+88,794	57,592	40,188	+17,404	1,918,672	1,565,706	+352,876
1910	58,775	59,223	-448	57,361	45,878	+11,483	1,982,395	1,668,005	+314,390
1911	37,183	57,445	-20,262	65,665	43,747	+21,918	2,195,375	1,633,551	+561,824
1912	47,425	66,549	-19,124	71,062	48,401	+22,561	2,518,605	1,933,023	+585,582
1913	91,780	63,705	+28,074	62,777	35,868	+26,909	2,638,594	1,892,169	+746,425
1914	222,616	67,398	+155,228	51,603	25,959	+25,644	2,387,843	1,872,623	+515,220
1915	31,426	451,955	-420,529	53,699	34,484	+19,115	3,639,696	2,265,036	+1,374,660
1916	90,250	494,009	-403,759	59,792	34,154	+25,638	4,483,525	2,726,047	+1,757,478
1917	201,921	977,176	-685,255	78,280	35,004	+43,276	6,660,249	3,671,535	+2,988,714
1918	190,852	124,413	+66,439	139,181	70,328	+68,853	6,249,744	3,140,390	+3,109,348
1919	116,576	62,364	+54,212	301,175	78,325	+222,360	7,650,034	3,230,909	+4,419,125
1920	466,421	150,540	+315,881	179,037	102,000	+76,137	8,754,447	5,491,792	+3,262,655
1921	133,538	698,560	-565,022	52,536	50,431	-6,895	6,702,684	4,352,450	+2,350,134
1922	27,345	468,318	-440,973	62,095	70,684	-7,989	3,861,196	3,147,081	+714,115
1923	49,022	284,090	-235,068	65,907	64,947	+9,040	4,061,662	4,129,996	-68,334
1924	10,207	417,028	-406,819	98,786	79,940	+18,846	4,420,649	4,051,003	+369,646
1925	248,730	134,145	+114,585	108,829	71,608	+37,221	5,220,139	4,029,881	+1,192,258
1926	113,438	210,726	-97,288	97,982	69,401	+28,581	4,964,802	4,744,999	+219,802
1927	103,844	251,756	-147,912	80,931	59,005	+21,276	5,162,825	4,563,385	+599,440
1928	627,102	129,140	+497,962	79,964	69,530	+10,434	5,584,137	4,336,169	+1,247,968

**No. 513.—MERCHANDISE EXPORTS AND IMPORTS WITH TRADE BALANCES:
FOR INDIVIDUAL YEARS 1790 TO 1884**

NOTE.—All figures in thousands of dollars. Specie values. For later years see Table 510. Fiscal years ended Sept. 30, 1790 to 1842, June 30 thereafter

Year	Exports ¹	Imports ¹	Excess of exports (+) or imports (-)	Year	Exports	Imports	Excess of exports (+) or imports (-)	Year	Exports	Imports	Excess of exports (+) or imports (-)
1790	20,205	23,000	-2,795	1822	61,350	79,872	-18,522	1854	237,044	297,804	-60,760
1791	19,012	20,200	-10,188	1823	68,326	72,481	-4,155	1855	218,910	257,800	-38,890
1792	20,753	31,500	-10,747	1824	68,072	72,169	-3,197	1856	281,219	310,432	-29,213
1793	26,110	31,100	-4,990	1825	90,738	90,189	+549	1857	268,824	348,428	-84,604
1794	33,044	34,600	-1,556	1826	72,891	78,094	-5,203	1858	272,011	293,339	-21,328
1795	47,990	69,756	-21,766	1827	74,310	71,333	+2,977	1859	292,002	331,333	-38,431
1796	58,575	81,436	-22,861	1828	64,021	81,020	-16,999	1860	333,576	353,610	-20,040
1797	51,295	75,379	-24,084	1829	67,435	67,089	+346	1861	219,554	289,311	-69,757
1798	61,327	68,552	-7,225	1830	71,671	62,721	+8,950	1862	190,671	189,357	+1,314
1799	78,666	79,069	-403	1831	72,296	95,885	-23,589	1863	203,964	242,330	-38,372
1800	70,972	91,253	-20,281	1832	81,521	95,122	-13,601	1864	158,838	316,447	-157,609
1801	93,021	111,364	-18,343	1833	87,529	101,048	-13,519	1865	166,020	238,746	-72,717
1802	71,957	76,333	-4,376	1834	102,260	108,610	-6,350	1866	348,860	434,812	-85,952
1803	55,800	64,667	-8,867	1835	115,216	130,764	-15,548	1867	294,500	396,761	-101,261
1804	77,699	85,000	-7,301	1836	124,339	170,679	-46,340	1868	281,966	357,436	-75,470
1805	95,566	120,600	-25,034	1837	111,443	130,473	-19,030	1869	286,118	417,500	-131,382
1806	101,537	129,410	-27,873	1838	104,979	95,970	+9,009	1870	392,772	435,958	-43,186
1807	108,343	138,500	-30,157	1839	112,252	156,497	-44,245	1871	442,820	520,224	-77,404
1808	22,431	56,990	-34,559	1840	123,069	98,259	+24,810	1872	444,178	620,595	-176,417
1809	52,203	59,400	-7,197	1841	111,817	122,968	-11,141	1873	522,464	642,136	-119,672
1810	66,758	85,400	-18,642	1842	99,878	96,975	+3,903	1874	586,283	507,406	+78,877
1811	61,317	53,400	+7,917	1843	82,823	42,433	+40,390	1875	513,443	533,005	-19,562
1812	38,527	77,030	-38,503	1844	105,746	102,605	+3,141	1876	540,385	469,741	+70,644
1813	27,856	22,005	+5,851	1845	106,040	113,184	-7,144	1877	602,475	451,323	+151,152
1814	6,927	12,965	-6,038	1846	109,583	117,914	-8,331	1878	694,866	437,952	+256,914
1815	52,558	113,041	-60,483	1847	156,742	122,424	+34,318	1879	710,439	445,778	+264,661
1816	81,920	147,103	-65,183	1848	138,191	148,689	-10,498	1880	835,639	667,955	+167,684
1817	87,672	99,250	-11,578	1849	140,351	141,206	-855	1881	902,377	642,665	+259,712
1818	93,281	121,750	-28,469	1850	144,376	173,510	-29,134	1882	750,542	724,640	+25,902
1819	70,143	87,125	-16,982	1851	188,915	210,771	-21,856	1883	823,830	723,181	+100,649
1820	99,692	74,450	+25,242	1852	166,984	207,440	-40,456	1884	740,514	607,908	+132,606
1821	54,496	64,521	-10,025	1853	203,489	263,777	-60,288				

¹ Includes gold and silver prior to 1821.

² Period beginning Oct. 1, 1842, and ending June 30, 1843.

No. 514.—PER CAPITA EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—Export figures for 1790 to 1820 are based on total exports including reexports (the latter were then relatively large) and for 1821 to date, on exports of United States merchandise only, shown in Table 510. Import figures for 1790 to 1820 are based on general imports shown in Table 510, for 1821 to 1870, total imports less reexports, and for 1871 to date, imports for consumption, shown in Table 516

Yearly average	Exports	Imports	Yearly average or year	Exports	Imports	Year	Exports	Imports	Year	Exports	Imports
1790-1800	Dollars 9.70	Dollars 12.22	1011-1915	Dollars 23.98	Dollars 17.46	1895	11.51	10.41	1912	22.66	17.13
1801-1810	11.82	14.71	1015-1920	61.21	31.37	1896	12.29	10.32	1913	24.97	18.17
1811-1820	6.96	9.53	1021-1925	37.07	30.15	1897	14.43	11.03	1914	23.61	19.32
1821-1830	4.71	5.02	1881	17.37	12.78	1898	16.62	8.06	1915	27.13	14.46
1831-1840	5.85	6.91	1882	14.05	13.74	1899	16.24	9.24	1916	53.01	23.90
1841-1850	5.67	5.60	1883	15.04	13.12	1900	18.17	11.01	1917	59.48	28.14
1851-1860	8.48	9.78	1884	13.24	12.20	1901	18.69	10.34	1918	57.51	28.06
1861-1865	5.11	7.15	1885	12.97	10.34	1902	16.99	11.28	1919	72.00	35.90
1866-1870	8.35	10.73	1886	11.62	10.89	1903	17.10	12.38	1920	74.70	47.22
1871-1875	11.70	13.55	1887	12.00	11.60	1904	17.28	11.82	1921	80.77	23.22
1876-1880	14.01	10.18	1888	11.43	11.81	1905	17.62	12.84	1922	83.75	27.55
1881-1885	14.49	12.40	1889	11.95	12.02	1906	19.90	14.06	1923	86.08	32.01
1886-1890	12.12	11.73	1890	13.54	12.27	1907	21.03	16.09	1924	88.90	30.07
1891-1895	13.21	11.59	1891	13.69	13.27	1908	20.48	13.21	1925	41.14	35.69
1896-1900	15.60	10.03	1892	15.62	12.37	1909	17.96	14.05	1926	89.62	37.07
1901-1905	17.53	11.75	1893	12.53	12.56	1910	18.41	16.66	1927	39.62	34.57
1906-1910	19.64	14.82	1894	12.85	9.32	1911	21.34	16.19	1928	41.29	33.47

No. 515.—IMPORTS ENTERED FOR CONSUMPTION AND DUTIES THEREON

NOTE.—From 1821 to 1865, inclusive, the figures of import values represent total imports less reexports, and for 1870 and later years imports entered for consumption. The ratio prior to 1860 is based upon the values of total imports, since the duties as calculated for those years include the duties afterwards refunded upon reexports. Figures cover fiscal years ended Sept. 30, 1821 to 1840, and June 30, 1850 to 1915; calendar years thereafter

Yearly average or year	Values				Duties	Ratio of duties to total		Amount of duties per capita
	Total	Free	Dutiable	Per cent free		Free and dutiable	Dutiable	
	1,000 dollars	1,000 dollars	1,000 dollars		1,000 dollars	Per cent	Per cent	Dollars
1821-1830	56,749	3,325	53,424	5.86	26,282	46.31	49.20	2.32
1831-1840	104,139	39,880	64,459	38.10	24,509	23.63	38.02	1.03
1841-1850	110,561	20,347	90,214	18.40	26,738	24.18	29.04	1.32
1851-1860	207,871	40,985	227,186	15.19	54,511	20.35	23.99	1.09
1861-1865	237,826	45,110	192,716	18.97	65,275	27.45	33.87	1.06
1866-1870	303,447	26,242	307,205	6.67	174,809	44.43	47.61	4.76
1871-1875	563,234	112,458	450,776	19.97	183,014	32.49	40.60	4.40
1876-1880	482,071	154,601	327,670	32.05	143,388	29.74	43.77	3.03
1881-1885	663,128	204,673	458,455	30.86	197,801	29.83	43.15	3.70
1886-1890	702,234	237,299	464,935	33.80	213,858	30.38	45.89	3.50
1891-1895	708,756	401,921	366,835	52.29	173,832	22.61	47.39	2.62
1896-1900	730,411	341,753	388,658	46.79	181,328	24.83	46.05	2.49
1901-1905	950,891	428,830	528,061	44.81	260,469	20.80	48.57	3.15
1906-1910	1,328,137	616,416	712,721	46.34	305,440	23.00	42.86	3.41
1911-1915	1,698,028	906,141	771,887	56.80	283,408	16.69	38.72	2.91
1915-1920	3,288,839	2,292,412	1,028,245	68.79	227,035	6.90	22.08	2.17
1921-1925	3,422,748	2,088,932	1,333,810	61.03	478,911	13.99	35.90	4.22
1884	607,751	111,089	456,662	31.61	190,282	28.50	41.67	3.48
1885	579,335	192,443	386,892	33.22	178,151	30.75	46.05	3.18
1886	624,049	210,271	413,778	33.69	189,410	30.35	45.78	3.31
1887	679,644	229,319	450,325	33.74	214,222	31.52	47.57	3.66
1888	707,081	238,947	468,144	33.78	216,042	30.55	46.15	3.61
1889	734,824	246,824	484,357	34.05	220,576	30.02	45.49	3.01
1890	705,708	258,137	507,571	33.71	226,540	20.59	44.63	3.63
1891	845,483	379,028	466,455	44.83	210,885	25.65	46.50	3.40
1892	804,297	448,771	355,526	55.78	174,124	21.65	48.98	2.68
1893	832,732	432,450	400,282	51.93	199,143	23.91	49.75	3.00
1894	930,107	372,462	257,645	59.11	129,568	20.56	50.29	1.92
1895	731,162	276,890	354,272	51.55	149,460	20.44	42.19	2.97
1896	759,694	368,807	390,797	48.56	157,013	20.67	40.18	2.24
1897	789,251	381,902	407,349	48.39	172,760	21.80	42.41	2.41
1898	887,153	201,534	295,619	40.05	145,438	24.77	40.20	2.00
1899	985,441	299,669	385,772	43.72	202,072	29.48	52.88	2.73
1900	830,519	366,700	463,750	44.16	220,300	27.02	49.46	3.04
1901	807,763	339,093	468,670	41.98	233,556	28.91	49.83	2.99
1902	899,793	396,642	503,251	44.01	251,453	27.95	49.97	3.15
1903	1,007,960	437,291	570,669	43.38	280,752	27.85	49.20	3.45
1904	981,822	454,153	527,669	46.26	288,101	20.29	48.92	3.11
1905	1,087,118	517,073	570,045	47.50	298,426	23.77	45.33	3.05
1906	1,213,417	548,695	664,722	45.22	293,910	24.22	44.22	3.40
1907	1,415,402	641,953	773,449	45.35	329,480	23.28	42.60	3.75
1908	1,183,120	525,704	657,416	44.43	282,582	23.88	42.98	3.15
1909	1,281,641	599,376	682,265	46.77	294,607	22.99	43.19	3.28
1910	1,547,109	761,353	785,756	49.21	326,561	21.11	41.56	3.52
1911	1,527,945	776,964	750,981	50.85	300,965	20.29	41.27	3.28
1912	1,640,722	881,513	759,209	53.73	304,800	18.69	40.16	3.18
1913	1,766,650	986,972	779,717	55.87	312,509	17.53	40.08	3.21
1914	1,906,400	1,152,322	754,008	60.45	283,719	14.88	37.63	2.87
1915	1,648,380	1,032,803	615,523	62.66	205,946	12.49	33.46	2.06
1915 (6 mos.)	934,675	631,884	308,201	67.56	95,858	10.26	31.61	.95
1916	2,353,612	1,614,842	743,770	68.47	214,214	9.10	28.80	2.69
1917	2,919,201	2,140,947	778,344	73.34	204,585	7.01	26.28	1.97
1918	2,951,531	2,228,075	722,856	75.51	170,934	5.79	23.65	1.63
1919	3,827,083	2,711,462	1,116,221	70.84	237,466	6.20	21.27	2.23
1920	5,101,823	3,115,958	1,985,865	61.08	325,646	6.38	16.40	3.01
1921	2,539,869	1,564,278	992,591	61.18	292,397	11.44	29.46	2.66
1922	3,073,773	1,838,240	1,185,533	61.43	451,356	14.68	38.07	4.05
1923	3,731,769	2,165,148	1,566,621	58.02	506,004	15.18	36.17	5.00
1924	3,575,111	2,118,168	1,456,943	59.25	532,286	14.89	36.53	4.61
1925	4,176,218	2,708,828	1,467,391	64.87	551,853	13.21	37.61	4.71
1926	4,408,076	2,908,107	1,499,969	65.97	590,045	13.39	39.34	4.66
1927	4,163,030	2,680,059	1,483,021	64.38	574,839	13.81	38.76	4.77
1928	4,077,937	2,678,633	1,399,304	65.63	542,270	13.30	38.76	4.45

¹Period July 1, 1915, to Dec. 31, 1920.

No. 516.—PERCENTAGE DISTRIBUTION OF EXPORTS AND IMPORTS OF MERCHANDISE, BY ECONOMIC CLASSES

NOTE.—Percentages are based on figures shown in Table 517

Year or yearly average	Per cent of total exports of United States merchandise					Per cent of total general imports				
	Crude materials	Crude food-stuffs	Manufactured food-stuffs	Semi-manufactures	Finished manufactures	Crude materials	Crude food-stuffs	Manufactured food-stuffs	Semi-manufactures	Finished manufactures
1821.....	60.82	4.79	19.51	9.42	5.66	4.00	11.16	19.85	7.48	50.86
1830.....	62.65	4.95	16.32	7.04	9.34	7.65	11.77	15.39	8.22	56.97
1840.....	67.83	4.00	14.27	4.34	9.47	12.36	15.84	15.46	11.56	45.09
1850.....	62.36	5.59	14.84	4.49	12.72	7.24	10.38	12.37	14.08	54.93
1851-1860.....	61.67	6.61	15.39	4.01	12.32	9.63	11.70	15.43	12.50	50.74
1861-1865.....	19.97	22.13	34.42	5.09	17.78	14.12	14.29	17.47	13.60	40.52
1866-1870.....	57.62	9.05	13.75	4.68	14.89	11.71	13.23	19.93	13.87	41.26
1871-1875.....	44.94	15.47	10.59	4.67	15.33	10.12	14.12	20.07	13.56	39.27
1876-1880.....	32.24	23.93	24.39	4.55	14.87	18.55	18.56	21.49	12.45	29.33
1881-1885.....	33.78	21.00	25.60	4.78	14.94	19.98	14.00	19.15	13.73	32.25
1886-1890.....	38.13	14.98	25.01	5.52	16.36	22.65	15.77	19.49	15.76	29.33
1891-1895.....	33.67	17.21	27.22	6.32	15.57	23.59	18.66	17.92	14.37	25.45
1896-1900.....	26.11	18.90	24.01	9.04	21.33	29.47	16.08	15.93	13.35	26.17
1901-1905.....	30.27	12.19	22.16	11.30	24.07	33.38	12.92	12.36	16.65	24.69
1906-1910.....	31.68	8.90	18.12	14.23	27.07	34.50	10.38	11.80	17.82	24.84
1911-1915.....	30.74	8.83	14.32	15.41	30.70	34.91	12.80	12.59	17.37	22.36
1915-1920 ¹	18.22	9.16	17.66	15.39	33.58	40.13	12.15	16.21	17.10	14.40
1921-1925.....	27.54	9.74	13.93	12.45	36.33	37.40	11.09	12.99	17.66	20.36
1910-1914.....	33.48	5.94	13.84	16.03	30.71	35.23	12.03	11.50	18.18	23.05
1915-1919 ²	16.13	9.62	18.09	16.67	39.47	41.33	12.43	14.14	17.64	14.50
1884.....	33.64	17.99	26.86	5.21	16.30	19.09	15.43	19.59	14.18	31.12
1885.....	34.58	16.97	27.77	5.42	15.25	20.86	16.16	17.82	13.55	31.61
1886.....	38.88	15.13	24.43	5.11	16.76	22.78	14.41	17.75	14.40	30.68
1887.....	35.94	17.85	26.00	5.22	15.90	21.80	15.30	16.14	17.34	29.29
1888.....	40.00	12.63	24.84	5.88	16.65	22.65	16.03	15.34	16.80	29.17
1889.....	39.85	13.54	23.90	5.85	16.87	23.11	16.53	16.41	15.44	28.52
1890.....	36.61	15.62	20.69	5.50	15.68	22.79	16.28	16.89	14.81	29.23
1891.....	40.28	12.17	25.96	5.49	16.09	22.79	17.83	17.48	16.15	25.75
1892.....	31.48	25.94	24.66	4.95	13.07	33.54	21.22	16.89	13.63	24.72
1893.....	30.28	18.43	29.73	5.94	15.63	25.00	15.10	17.75	15.65	26.40
1894.....	32.60	16.30	28.77	7.72	15.61	20.56	20.35	23.72	12.65	22.72
1895.....	33.94	12.60	27.61	7.85	18.10	25.02	19.31	14.63	13.18	27.26
1896.....	29.80	14.90	25.41	8.85	21.04	26.06	16.67	15.24	12.96	29.07
1897.....	29.49	17.58	22.79	9.52	20.63	26.25	16.79	16.90	11.67	28.48
1898.....	24.44	25.21	23.54	5.43	18.38	31.44	16.88	13.97	12.88	24.84
1899.....	29.75	19.35	25.31	9.78	21.81	30.60	14.19	17.71	13.19	24.32
1900.....	24.81	16.48	23.32	11.18	24.20	33.14	11.52	15.65	15.70	23.90
1901.....	23.17	16.83	23.09	10.16	21.76	30.88	13.43	15.25	15.49	24.05
1902.....	23.60	13.03	24.26	9.75	23.75	34.13	13.31	10.56	16.34	25.62
1903.....	29.85	13.31	23.22	10.10	23.52	32.80	11.02	11.37	19.08	25.13
1904.....	32.64	9.40	21.52	12.19	24.30	33.05	13.34	11.03	16.17	25.51
1905.....	32.08	7.92	18.97	14.07	26.90	35.42	15.08	13.01	15.91	22.53
1906.....	29.53	10.32	20.22	13.17	26.76	34.55	10.95	11.44	17.96	25.10
1907.....	32.40	9.03	18.65	14.06	25.93	34.00	10.44	11.09	19.11	25.89
1908.....	30.70	10.30	18.10	14.23	26.68	31.31	12.19	12.31	16.43	27.77
1909.....	32.27	8.23	15.47	14.11	26.87	35.13	12.51	12.63	16.94	22.80
1910.....	33.67	6.42	15.16	15.66	29.19	37.11	9.30	11.60	18.31	23.02
1911.....	35.79	5.13	14.01	15.35	29.72	34.36	11.87	11.26	18.84	23.67
1912.....	33.69	4.60	14.60	16.04	30.98	34.66	13.93	11.86	17.77	21.78
1913.....	30.48	7.49	13.23	16.83	31.97	35.82	11.68	10.72	19.27	22.51
1914.....	34.33	5.90	12.59	16.06	31.11	34.31	13.09	12.02	16.86	23.72
1915.....	21.77	15.60	16.74	13.10	29.73	35.33	13.38	17.07	14.17	20.04
1915 (6 mos.).....	16.66	8.67	16.08	14.72	43.87	41.46	14.29	12.43	15.75	16.08
1916.....	15.04	7.76	11.95	16.82	48.43	43.04	14.13	17.45	14.46	14.46
1917.....	13.50	8.28	13.08	21.39	43.77	43.56	13.07	11.90	18.18	13.28
1918.....	16.07	9.05	23.25	17.41	34.22	40.70	11.41	13.12	21.43	13.34
1919.....	20.94	8.75	25.32	11.90	33.08	43.57	13.97	14.23	15.60	12.64
1920.....	23.30	11.36	13.82	11.86	39.66	33.79	10.94	23.40	15.20	16.61
1921.....	22.46	15.38	15.66	9.38	37.12	34.23	11.96	14.68	14.41	24.71
1922.....	26.25	12.18	15.62	11.63	34.32	37.01	10.59	12.44	17.76	21.80
1923.....	29.54	6.29	14.26	13.78	36.12	37.10	9.53	13.98	19.00	20.34
1924.....	29.63	8.73	12.75	13.57	35.32	34.56	11.77	14.45	18.17	20.73
1925.....	29.51	6.00	11.90	13.73	38.26	41.36	11.71	10.24	17.37	13.83
1926.....	26.77	7.11	10.87	13.91	41.54	40.47	12.18	9.42	18.15	19.78
1927.....	25.07	8.35	9.74	14.70	41.64	38.25	12.06	10.77	17.92	21.00
1928.....	25.71	5.89	9.26	14.24	44.63	35.85	13.44	9.91	18.65	22.15

¹ Period July 1, 1915, to Dec. 31, 1920.

² Fiscal years.

No. 517.—EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal years covered by each class see Annual Commerce and Navigation of the United States. Owing to the special also shown

Yearly average or year	Exports of United States merchandise					
	Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semi-manufactures	Finished manufactures
1821.....	51,684	31,332	2,475	10,085	4,867	2,025
1830.....	58,525	36,665	2,724	9,557	4,118	5,402
1840.....	111,661	75,735	4,505	15,936	4,841	10,584
1850.....	134,900	84,124	7,536	20,017	6,061	17,162
1851-1860.....	232,149	143,156	15,337	35,734	9,317	28,605
1861-1865.....	170,193	33,990	37,670	58,585	9,686	30,267
1866-1870.....	307,695	177,296	27,868	42,300	14,408	45,828
1871-1875.....	486,128	218,449	75,206	65,282	22,681	74,509
1876-1880.....	669,650	213,989	168,853	161,915	30,174	98,719
1881-1885.....	774,607	261,645	162,714	197,457	37,044	115,747
1886-1890.....	726,685	276,703	108,708	181,521	40,023	118,730
1891-1895.....	876,326	295,087	160,846	238,680	58,343	136,470
1896-1900.....	1,136,039	206,064	214,778	272,759	109,500	242,338
1901-1905.....	1,427,020	432,027	173,072	316,220	161,200	343,589
1906-1910.....	1,750,980	554,764	165,828	317,374	249,134	473,890
1911-1915.....	2,331,048	716,037	205,939	393,971	359,239	715,861
1915-1920 ¹	6,416,513	1,168,995	587,588	1,183,226	987,185	2,539,520
1921-1925.....	4,310,221	1,187,056	420,002	600,710	536,793	1,565,660
1910-1914.....	2,130,429	713,184	126,506	294,908	341,620	654,211
1915-1919 ¹	5,227,127	843,258	502,703	945,729	871,731	2,063,646
1884.....	724,065	243,892	130,396	194,703	37,801	118,173
1885.....	726,683	251,290	123,327	201,801	39,437	110,819
1886.....	665,065	256,811	100,800	162,689	34,038	111,627
1887.....	708,023	252,034	125,454	175,785	36,732	112,418
1888.....	683,862	273,553	96,368	169,872	46,176	113,693
1889.....	730,282	291,034	98,847	174,504	42,713	123,184
1890.....	845,204	309,482	132,073	224,757	46,455	132,527
1891.....	872,270	351,355	106,156	226,448	47,961	140,360
1892.....	1,015,732	319,761	262,456	250,439	50,284	132,792
1893.....	831,031	251,669	153,278	247,075	49,071	120,938
1894.....	869,205	283,357	133,197	249,846	67,145	135,659
1895.....	793,393	269,294	99,145	219,090	62,264	143,610
1896.....	863,201	257,227	128,551	210,413	76,220	181,789
1897.....	1,032,008	304,201	181,421	235,052	98,284	212,959
1898.....	1,210,292	295,775	185,109	284,830	101,991	222,537
1899.....	1,203,931	285,887	232,903	304,755	117,730	262,657
1900.....	1,370,764	340,139	225,908	319,606	153,276	331,747
1901.....	1,460,463	411,377	245,830	337,153	143,351	317,746
1902.....	1,355,482	387,711	184,786	323,832	132,206	321,947
1903.....	1,392,232	415,543	185,308	323,245	140,667	327,469
1904.....	1,436,179	466,984	135,747	308,836	174,377	348,735
1905.....	1,491,745	478,518	118,185	283,065	209,926	402,050
1906.....	1,717,954	507,328	177,216	347,385	226,211	469,813
1907.....	1,853,718	600,540	167,348	345,707	259,442	480,681
1908.....	1,834,786	563,197	189,052	331,962	261,106	489,470
1909.....	1,638,356	528,691	135,604	302,555	231,144	440,272
1910.....	1,710,084	574,015	109,828	259,200	267,766	499,215
1911.....	2,013,549	720,611	103,402	282,017	309,162	598,368
1912.....	2,170,320	731,164	99,899	316,889	348,150	672,268
1913.....	2,428,500	740,290	181,907	321,204	408,807	776,297
1914.....	2,329,684	709,838	137,496	293,219	374,224	724,908
1915.....	2,716,178	591,282	506,993	454,575	355,802	807,466
1915 (6 mos.).....	1,820,393	303,228	187,897	292,720	268,502	798,546
1916.....	5,422,642	815,668	421,284	648,030	912,262	2,625,364
1917.....	6,169,617	832,827	508,762	806,941	1,315,242	2,795,845
1918.....	6,047,875	672,167	547,436	1,405,320	1,053,270	2,099,242
1919.....	7,749,816	1,623,085	673,363	1,962,616	922,276	2,583,505
1920.....	8,080,481	1,882,530	917,991	1,116,605	958,497	3,204,858
1921.....	4,378,923	933,563	673,394	685,025	410,167	1,626,849
1922.....	3,765,091	938,456	458,611	587,987	437,730	1,292,307
1923.....	4,090,715	1,208,468	267,478	533,292	563,718	1,477,759
1924.....	4,497,649	1,332,746	392,691	573,492	610,668	1,588,052
1925.....	4,818,722	1,422,058	317,894	573,763	661,683	1,843,334
1926.....	4,711,721	1,261,325	335,093	503,005	655,647	1,956,781
1927.....	4,758,864	1,192,776	421,107	463,299	699,727	1,981,955
1928.....	5,030,099	1,293,287	294,677	465,811	716,352	2,260,002

¹ Period July 1, 1915, to Dec. 31, 1920.

AND GENERAL IMPORTS, BY ECONOMIC CLASSES

ended Sept. 30, 1790 to 1842, and June 30, 1843 to 1915; calendar thereafter, except as noted. For articles influence of the war on the character of our trade, averages for the fiscal years 1910-1914 and 1915-1919 are

Imports						
Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures	Yearly average or year
54,521	2,540	6,081	10,821	4,079	30,999	1821.
62,721	4,797	7,382	9,654	5,152	35,735	1830.
98,259	12,140	15,274	15,189	11,556	44,300	1840.
173,510	12,556	18,012	21,466	20,163	95,313	1850.
284,475	27,394	33,286	43,904	35,559	144,332	1851-1860.
255,439	36,064	36,504	44,613	34,744	103,514	1861-1865.
408,294	47,814	54,018	81,381	56,632	168,449	1866-1870.
577,873	98,182	81,002	115,960	78,360	208,769	1871-1875.
492,670	91,353	89,461	105,865	61,318	144,573	1876-1880.
967,142	133,268	99,376	127,732	91,625	215,141	1881-1885.
717,231	162,436	118,130	118,224	113,045	210,396	1886-1890.
785,137	185,222	146,510	140,726	112,833	190,446	1891-1895.
741,519	218,517	111,843	118,124	99,005	194,030	1896-1900.
972,162	324,508	125,644	120,218	161,809	239,983	1901-1905.
1,544,838	464,809	147,706	153,658	239,577	334,088	1906-1910.
1,712,319	597,791	219,035	215,144	297,476	382,963	1911-1915.
3,358,354	1,347,667	408,152	544,649	574,421	483,506	1915-1920.†
3,450,103	1,200,375	382,539	448,089	606,225	719,875	1921-1925.
1,688,374	594,957	203,205	194,312	307,068	339,332	1910-1914.
2,614,557	1,039,366	312,059	355,305	443,647	364,180	1915-1919.†
667,698	131,439	103,011	130,778	94,698	207,771	1834.
577,627	120,446	93,346	102,988	78,255	182,543	1835.
635,436	144,745	91,589	112,771	91,539	194,792	1836.
692,320	151,303	106,362	111,715	120,080	202,800	1837.
723,957	163,998	116,087	111,048	121,005	211,219	1838.
745,132	172,184	123,131	122,254	115,080	212,483	1839.
789,310	179,889	128,430	133,332	116,924	230,686	1890.
844,916	192,531	150,639	147,722	136,446	217,578	1891.
827,402	194,770	175,559	139,795	112,729	204,544	1892.
866,401	210,624	131,664	153,739	135,609	223,765	1893.
954,995	134,643	135,310	155,349	82,695	143,798	1894.
731,970	157,537	141,377	107,026	96,487	190,543	1895.
779,925	203,205	130,002	118,806	101,071	226,640	1896.
764,730	200,771	128,380	129,245	88,490	217,844	1897.
616,050	193,660	103,085	86,001	79,280	153,025	1898.
697,148	213,297	98,933	123,448	91,954	169,516	1899.
849,941	231,649	97,916	133,028	134,222	203,126	1900.
823,172	254,164	110,385	125,541	127,577	205,505	1901.
903,321	308,613	120,280	95,350	147,659	231,421	1902.
1,025,719	336,338	119,293	116,920	195,751	257,737	1903.
991,087	327,549	132,224	113,223	160,234	232,868	1904.
1,117,513	395,826	146,131	145,356	177,823	252,372	1905.
1,226,562	423,780	134,315	140,358	220,209	307,801	1906.
1,434,421	487,728	149,748	153,650	274,096	364,193	1907.
1,194,342	373,889	145,578	147,009	196,248	331,618	1908.
1,311,920	460,901	164,111	165,701	222,102	299,106	1909.
1,550,947	577,743	144,777	181,566	235,133	367,723	1910.
1,527,226	524,817	181,195	172,066	237,786	361,422	1911.
1,653,265	573,048	230,358	196,101	299,739	360,019	1912.
1,813,008	649,438	211,747	194,243	349,402	408,170	1913.
1,893,926	649,740	247,948	227,544	319,276	449,318	1914.
1,674,170	591,462	223,930	235,725	237,176	335,877	1915.
912,787	378,446	130,398	113,441	143,762	146,760	1915 (6 mos.).
2,391,935	1,029,353	290,132	338,707	417,860	345,673	1916.
2,952,468	1,286,079	385,725	351,553	530,603	392,448	1917.
3,031,213	1,233,697	345,653	397,370	649,585	404,098	1918.
3,904,365	1,791,057	545,201	555,308	608,096	493,203	1919.
5,278,481	1,733,534	577,627	1,233,439	802,459	876,725	1920.
2,509,148	853,858	300,181	368,311	361,747	620,051	1921.
3,112,747	1,179,894	329,809	387,419	652,677	662,947	1922.
3,792,066	1,406,797	363,032	530,208	720,729	771,300	1923.
3,609,963	1,258,266	424,373	621,000	655,888	749,346	1924.
4,220,589	1,748,065	494,800	432,966	755,085	796,733	1925.
4,430,888	1,792,292	639,818	417,817	804,333	876,628	1926.
4,184,742	1,600,800	604,686	450,849	749,801	878,597	1927.
4,091,444	1,466,734	549,392	405,814	762,831	906,173	1928.

† Fiscal years.

No. 518.—GENERAL IMPORTS, FREE AND DUTIABLE,

NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal percentage free in general imports is normally slightly lower than in imports for consumption because imports. Moreover, since 1922, there is an understatement of the free goods in general imports,

Year or yearly average	Total			Crude materials			Crude foodstuffs and food animals		
	Free	Dutiable	Percent free	Free	Dutiable	Percent free	Free	Dutiable	Percent free
1821	2,018	52,504	3.7	1,475	1,066	58.1		0,082	
1830	4,590	58,151	7.3	3,348	1,450	69.8		7,882	
1840	48,314	49,940	49.2	9,780	2,390	80.0	15,214	60	99.6
1850	18,082	155,428	10.4	602	11,954	4.8	15,803	2,208	87.7
1851-1860	44,730	239,745	15.7	6,455	20,938	23.6	30,165	3,121	90.6
1861-1865	48,948	206,491	19.2	10,759	25,805	29.8	17,805	19,140	47.6
1866-1870	27,828	400,467	6.8	9,910	37,904	20.7	4,443	49,575	8.2
1871-1875	105,286	472,587	18.2	48,082	45,100	51.0	45,026	36,576	55.2
1876-1880	154,683	337,887	31.4	60,902	30,450	66.7	74,800	14,654	83.6
1881-1885	204,735	402,407	30.7	91,884	41,884	68.6	76,513	22,884	77.0
1886-1890	242,521	474,710	33.8	104,991	57,475	64.6	90,035	23,095	79.6
1891-1895	402,303	382,774	51.2	143,613	41,610	77.5	124,808	21,702	85.2
1896-1900	342,125	399,394	46.1	177,640	40,868	81.3	88,359	23,484	79.0
1901-1905	426,836	545,326	43.9	243,319	81,189	75.0	98,021	26,723	78.7
1906-1910	614,825	730,013	45.7	348,061	116,749	74.9	120,233	27,472	81.4
1911-1915	961,439	750,880	56.1	491,948	105,753	82.3	181,170	37,865	82.7
1915-1920 ¹	2,268,008	1,090,747	67.3	1,195,593	152,074	88.7	349,026	58,226	85.7
1921-1925	2,060,303	1,389,800	59.7	1,036,581	253,794	80.3	302,242	80,297	79.0
1910-1914	905,706	783,078	53.6	477,331	117,626	80.2	164,554	38,651	81.0
1915-1919 ²	1,744,767	769,780	69.4	925,417	113,949	83.0	263,025	49,033	84.3
1884	209,884	467,814	31.4	87,098	49,740	66.7	80,592	22,410	78.2
1885	193,213	384,314	33.5	79,242	41,205	65.8	73,323	20,022	78.5
1886	212,159	423,277	33.4	97,000	47,146	67.4	71,204	20,984	77.7
1887	234,221	458,090	33.8	100,459	50,904	66.4	84,826	21,630	79.8
1888	244,072	479,885	33.7	107,043	56,955	65.3	87,121	23,969	75.0
1889	256,487	488,645	34.4	107,210	64,974	62.8	100,507	22,624	81.6
1890	205,668	523,642	33.7	112,495	67,894	62.5	106,515	21,965	82.9
1891	366,241	478,675	43.3	130,855	52,679	72.6	126,337	24,302	83.9
1892	457,999	369,403	55.4	140,159	45,616	76.6	155,831	19,723	88.8
1893	444,544	421,857	51.3	165,928	50,997	76.0	106,709	24,895	81.1
1894	379,796	275,190	58.0	106,654	27,989	79.2	114,255	10,564	85.7
1895	303,234	368,736	49.6	156,464	31,073	83.4	120,847	20,580	85.5
1896	369,768	409,967	47.4	176,657	26,649	86.9	108,891	21,111	83.8
1897	381,038	382,702	49.0	182,775	17,966	91.0	108,089	20,291	84.2
1898	291,414	324,936	47.3	147,341	46,319	76.1	86,145	17,840	82.8
1899	300,280	396,868	43.1	168,653	44,643	79.1	69,948	28,985	70.7
1900	367,237	482,704	43.2	212,820	68,820	75.6	68,722	29,194	70.2
1901	339,609	483,663	41.3	191,155	63,009	75.2	80,961	29,424	73.3
1902	396,819	505,502	43.9	233,242	75,371	75.6	90,287	29,993	75.7
1903	426,181	599,538	41.6	249,276	87,112	74.1	86,622	32,681	72.7
1904	454,130	536,957	45.8	249,998	77,652	76.3	110,481	21,742	83.6
1905	517,442	600,071	46.3	292,921	102,905	71.5	126,254	19,877	86.4
1906	549,624	676,838	44.8	312,290	111,499	73.7	114,305	20,010	85.1
1907	644,030	790,391	44.9	366,164	121,664	75.1	125,047	24,701	83.5
1908	525,603	668,739	44.0	282,943	90,946	75.7	116,510	20,068	80.0
1909	599,557	712,363	45.7	334,957	125,944	72.7	131,621	32,400	80.2
1910	755,311	801,636	48.5	448,951	138,792	76.8	113,681	31,095	78.5
1911	776,972	750,254	50.9	409,671	115,145	78.1	147,262	33,022	81.3
1912	881,671	771,594	53.3	453,031	119,117	79.2	180,127	50,281	78.2
1913	987,524	825,484	54.5	519,103	180,334	79.9	179,829	31,017	84.9
1914	1,127,503	766,423	59.5	560,000	89,870	86.2	201,868	46,080	81.4
1915	1,033,527	640,643	61.7	517,034	74,428	87.4	196,763	27,167	87.9
1915 (6 mos.)	628,837	293,950	68.9	332,105	46,340	87.8	113,550	16,849	87.1
1916	1,611,887	779,748	67.4	922,045	107,312	80.6	216,570	43,502	83.3
1917	2,135,552	816,916	72.3	1,169,041	117,038	90.9	310,965	68,759	82.2
1918	2,230,353	800,360	78.6	1,092,837	140,860	88.6	283,535	62,118	82.0
1919	2,098,703	1,205,062	69.1	1,508,164	192,894	88.7	480,856	64,444	88.2
1920	3,117,010	2,161,471	59.1	1,551,570	231,964	87.0	513,117	64,510	88.8
1921	1,562,292	946,856	62.3	750,640	108,219	87.4	253,703	46,477	84.5
1922 ²	1,871,917	1,240,830	60.1	963,150	216,744	81.6	249,600	80,209	75.7
1923 ²	2,135,942	1,056,124	56.3	1,091,393	315,404	87.6	279,222	83,810	76.9
1924 ²	2,030,006	1,529,867	57.6	977,635	280,621	77.7	335,741	80,182	79.0
1925 ²	2,651,266	1,735,323	62.7	1,400,083	347,982	80.1	392,942	101,838	79.4
1926 ²	2,863,411	1,577,477	64.4	1,483,772	308,520	82.8	438,594	101,224	81.2
1927 ²	2,621,873	1,562,860	62.7	1,315,237	285,872	82.2	392,971	111,715	77.9
1928 ²	2,616,239	1,475,205	63.9	1,222,411	244,323	83.3	431,557	118,305	78.5

¹ Period July 1, 1915, to Dec. 31, 1920.² Fiscal years.

AND PER CENT FREE, BY ECONOMIC CLASSES

years ended Sept. 30, 1821 to 1842, and June 30, 1843 to 1915, calendar thereafter, except as noted. The relatively more of the dutiable general imports are reported as reexported than of the free general resulting from the facts set forth in Table 519

Manufactured foodstuffs			Semi-manufactures			Finished manufactures			Year or yearly average
Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	
	10,821		488	3,591	12.0	55	30,944	0.2	1821.
	9,054		1,211	3,942	23.5	31	35,703	.1	1830.
1,021	14,168	6.7	4,902	6,394	43.7	17,337	26,963	39.1	1840.
	21,466		764	25,309	2.9	911	94,401	1.0	1850.
2,426	41,477	5.5	3,419	32,140	9.6	2,235	142,067	1.6	1851-1860.
4,071	39,942	10.5	7,980	26,704	23.0	8,178	95,341	7.9	1861-1865.
1,847	79,534	2.3	0,722	49,010	11.9	4,900	163,543	2.9	1866-1870.
	115,589	.9	6,255	72,105	8.0	5,552	203,216	2.7	1871-1875.
3,244	102,621	3.1	9,114	52,204	14.9	6,616	137,957	4.6	1876-1880.
9,240	118,403	7.2	15,209	76,416	16.6	12,389	202,751	5.8	1881-1885.
13,664	104,560	11.6	19,175	93,870	17.0	14,686	155,709	7.0	1886-1890.
92,078	48,649	65.4	25,614	87,219	22.7	16,281	133,504	8.1	1891-1895.
18,950	99,173	16.0	34,565	64,440	34.9	22,602	171,429	11.6	1896-1900.
3,189	117,629	2.7	59,943	101,866	37.0	21,465	218,518	8.9	1901-1905.
5,498	153,160	3.5	102,198	137,379	42.7	38,335	295,253	11.6	1906-1910.
25,626	189,617	11.9	167,863	129,612	56.4	94,892	288,131	24.8	1911-1915.
73,142	471,407	13.4	424,243	150,177	78.9	215,704	267,862	44.6	1915-1920.
50,020	391,469	12.6	411,802	197,423	67.6	263,058	466,817	35.2	1921-1925.
17,200	177,022	8.9	160,166	146,602	52.2	76,455	302,877	22.2	1910-1914.
59,384	296,122	16.7	340,677	102,070	70.8	150,464	207,715	43.0	1915-1919.
10,930	119,848	8.4	16,087	78,611	17.0	14,576	193,195	7.0	1894.
11,796	91,142	11.5	14,025	64,230	17.9	14,828	107,715	8.1	1895.
10,565	102,207	9.4	16,006	75,533	17.5	16,784	178,007	8.6	1896.
11,095	100,620	9.9	20,282	99,708	16.9	17,559	185,241	8.7	1897.
15,222	95,326	13.7	20,637	100,947	17.0	14,028	107,191	6.0	1898.
16,002	106,192	13.1	19,655	95,425	17.1	13,052	199,430	5.1	1899.
15,875	117,957	11.5	19,275	97,650	16.5	12,000	218,677	5.2	1899.
62,110	85,608	42.1	23,435	113,011	17.2	14,495	203,082	6.7	1891.
111,614	28,180	79.8	26,437	86,293	23.5	14,959	189,585	7.3	1892.
121,858	31,881	79.3	33,114	102,495	24.4	10,578	211,889	7.4	1893.
130,454	24,895	84.0	15,129	67,765	18.3	13,302	135,496	8.9	1894.
84,843	72,683	32.1	29,955	60,531	31.0	21,625	177,910	10.8	1895.
15,903	102,902	13.4	37,718	63,353	37.3	30,588	190,051	13.5	1896.
17,082	112,163	13.2	39,566	48,325	44.7	34,427	133,417	16.8	1897.
18,574	67,217	21.9	23,739	55,550	29.9	15,316	137,709	10.0	1898.
19,783	103,665	16.0	26,226	65,723	28.5	15,670	153,847	9.2	1899.
23,110	109,918	17.4	45,678	88,644	34.0	17,007	186,119	8.4	1900.
2,817	122,724	2.2	44,700	82,377	35.0	19,070	135,530	9.7	1901.
3,068	92,283	3.2	51,133	96,519	34.6	19,084	212,336	8.2	1902.
3,417	113,203	2.9	67,258	128,493	34.4	19,609	238,149	7.6	1903.
3,328	114,895	2.8	65,558	64,676	40.9	24,785	228,092	9.8	1904.
3,317	142,039	2.3	71,061	100,767	40.0	23,800	223,432	9.5	1905.
3,340	137,009	2.4	91,172	129,126	41.4	28,508	279,294	9.3	1906.
4,105	154,551	2.6	116,722	157,374	42.6	31,922	332,201	8.8	1907.
5,469	141,540	3.7	84,721	111,528	43.2	35,961	295,667	10.8	1908.
5,177	160,524	3.1	95,079	127,023	42.8	32,723	266,384	10.9	1909.
9,391	172,176	5.2	123,295	161,843	43.2	64,933	302,730	17.7	1910.
12,339	159,668	7.2	142,773	145,013	49.6	64,928	296,495	13.0	1911.
10,329	179,471	8.5	153,258	140,481	52.2	77,725	232,294	21.6	1912.
16,889	183,354	5.6	180,680	168,822	51.7	97,152	311,057	23.8	1913.
37,202	190,443	16.3	200,925	118,350	62.9	127,508	321,310	28.4	1914.
51,073	234,652	17.9	161,781	75,396	68.2	106,876	229,001	31.8	1915.
20,082	98,359	17.7	103,717	40,035	72.2	59,333	87,367	40.5	1915 (6 mos.).
37,401	301,306	11.0	299,265	118,595	71.6	136,066	208,972	39.5	1916.
59,255	292,298	16.9	422,021	114,642	73.6	168,270	224,178	42.0	1917.
91,724	306,646	23.1	561,448	88,137	86.4	200,809	204,009	49.6	1918.
69,504	486,304	12.5	399,579	209,418	65.8	240,601	252,602	48.8	1919.
124,314	1,113,326	10.0	547,308	255,149	63.2	380,702	496,023	43.4	1920.
53,004	314,707	14.6	230,458	125,239	65.4	267,887	352,164	43.2	1921.
43,115	344,304	11.1	370,871	181,806	67.1	245,131	417,767	37.0	1922.
62,164	478,044	9.8	471,775	248,954	65.5	241,338	529,912	31.3	1923.
62,044	459,556	11.9	462,898	192,959	70.6	241,778	507,568	32.3	1924.
72,171	360,735	16.7	517,010	238,075	63.5	269,060	526,673	33.8	1925.
57,192	360,625	13.7	568,379	235,954	70.7	305,481	571,147	34.8	1926.
75,698	375,151	16.8	827,187	222,614	70.3	810,780	567,817	35.4	1927.
75,115	330,699	13.5	541,456	221,375	71.0	345,671	560,502	38.1	1928.

* See headnote and supplemental Table No. 519, p. 478.

No. 519.—SUPPLEMENT TO TABLES 518 AND 527: FREE AND DUTIABLE GENERAL IMPORTS OF MERCHANDISE ADJUSTED FOR VALUES OF WHEAT AND WOOL CLASSIFIED AS DUTIABLE BUT ENTERED FREE UNDER SPECIAL PROVISIONS, 1922 TO 1928

NOTE.—All figures in thousands of dollars. Since 1922 there is an understatement of the value of free goods in the figures for general imports resulting from the following facts: (1) Wheat imported (practically all coming from Canada) is generally all reported as dutiable when first entered, but most of it is subsequently used for milling-in-bond for export and in that case no duty is collected; (2) carpet wool is nearly all reported as dutiable when first entered but most of it is subsequently used for making carpets in which case no duty is collected. These shifts affect the general total and the totals for the economic classes of crude materials, and crude foodstuffs in Table 518. The following table shows for these classes approximately the proportions free and dutiable since 1922 after adjusting for these shifts. It also shows approximate adjusted figures of free and dutiable imports from Canada (Table 527). The shift of carpet wool from dutiable to free likewise affects somewhat the proportions free and dutiable in imports from countries supplying carpet wool (principally United Kingdom, China, Argentina, Chile, and India), but no adjustments have been made for such countries or for continent totals

	1922	1923	1924	1925	1926	1927	1928
WHEAT							
Imports entered for consumption:							
Total	24,147	19,227	16,224	16,703	22,129	14,679	23,189
Free for manufacture and export	11,757	10,340	9,647	15,001	21,489	14,661	22,908
Per cent free	48.7	53.8	59.5	89.8	97.1	99.8	98.8
General imports dutiable	25,943	19,229	15,590	19,343	19,692	15,344	22,040
Estimated general imports classified as dutiable but entered free under special provision	12,634	10,345	9,278	17,370	18,982	15,313	21,776
CARPET WOOL							
Imports entered for consumption:							
Total	25,667	25,713	33,092	42,416	33,075	35,550	39,556
Free for manufacture into carpets	25,080	22,644	29,543	38,439	29,973	32,809	35,674
Per cent free	97.7	88.1	89.3	90.6	90.6	92.3	90.2
General imports free and dutiable:							
Total	29,267	26,304	34,174	47,232	30,102	37,470	37,947
Estimated general imports entered free	23,594	23,174	30,517	42,792	27,273	34,535	34,228
Carpet wool entered free	22,166	2,484	3,619	5,345	5,214	3,712	4,933
Estimated general imports classified as dutiable but entered free under special provision	6,428	20,690	26,898	37,447	22,058	30,873	29,295

	1922		1923		1924	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities	3,112,747	3,112,747	3,792,066	3,792,066	3,609,983	3,609,983
Free	1,871,917	1,890,970	2,135,942	2,169,977	2,080,096	2,116,270
Dutiable	1,240,830	1,221,768	1,656,124	1,625,089	1,529,867	1,493,693
Per cent free	60.1	60.7	56.3	57.1	57.6	58.6
Crude foodstuffs	329,809	335,699	363,032	363,032	424,878	424,878
Free	249,600	262,234	279,222	289,567	335,741	345,017
Dutiable	80,209	67,575	83,810	73,465	89,132	79,856
Per cent free	75.7	79.5	79.9	79.8	79.0	81.2
Crude materials	1,179,894	1,179,894	1,406,797	1,406,797	1,258,256	1,258,256
Free	963,150	969,578	1,091,393	1,112,083	977,635	1,004,533
Dutiable	216,744	210,316	315,404	294,714	280,621	253,723
Per cent free	81.6	82.2	77.6	79.0	77.7	79.8
From Canada	384,025	384,025	418,006	418,006	399,148	399,148
Free	277,787	290,421	310,024	320,369	300,330	309,605
Dutiable	86,238	73,004	105,981	95,636	98,818	89,542

	1925		1926		1927		1928	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities	4,226,589	4,226,589	4,430,898	4,430,898	4,184,742	4,184,742	4,061,444	4,061,444
Free	2,651,266	2,706,083	2,853,411	2,894,451	2,391,239	2,668,059	2,616,239	2,667,310
Dutiable	1,575,323	1,520,506	1,577,477	1,536,437	1,562,869	1,616,683	1,475,205	1,424,134
Per cent free	62.7	64.0	65.3	65.3	62.7	63.8	63.9	65.2
Crude foodstuffs	494,800	494,800	539,813	539,813	504,660	504,666	549,692	549,692
Free	392,942	410,312	438,594	457,576	392,971	408,284	431,587	453,363
Dutiable	101,858	84,488	101,224	82,242	111,715	96,402	118,305	96,329
Per cent free	79.4	82.9	81.2	84.8	77.9	80.9	78.6	82.4
Crude materials	1,748,065	1,748,065	1,792,292	1,792,292	1,600,809	1,600,809	1,466,794	1,466,794
Free	1,400,083	1,437,530	1,483,772	1,505,830	1,315,237	1,346,116	1,222,411	1,251,706
Dutiable	347,982	310,535	308,520	286,462	285,572	254,699	244,323	215,028
Per cent free	80.1	82.2	82.8	84.0	82.2	84.1	83.3	85.8
From Canada	454,235	454,235	475,861	475,861	475,028	475,028	489,303	489,303
Free	331,763	349,133	352,245	371,227	344,193	350,506	355,484	377,260
Dutiable	122,473	105,103	123,636	104,654	130,835	119,522	133,819	112,043

¹ Includes wheat valued at \$139,000 entered free.

² Wheat valued at \$139,000 entered free has been deducted.

No. 520.—PERCENTAGE DISTRIBUTION OF EXPORTS AND GENERAL IMPORTS, BY CONTINENTS

NOTE.—Percentages are based on figures shown in Table 521. See headnote to that table

Yearly average or year	Per cent of total exports							Per cent of total imports						
	North America		South America	Europe ¹	Asia	Oceania	Africa	North America		South America	Europe	Asia	Oceania	Africa
	North-ern ¹	South-ern						North-ern	South-ern					
1821	4.4	22.0	4.1	65.3	3.6	0.1	0.6	0.7	21.7	2.9	64.2	9.8	0.1	0.7
1830	3.9	20.5	6.4	66.1	2.7	(3)	.3	6.7	17.2	7.8	64.0	10.0	0.0	4.4
1840	4.9	13.9	4.6	74.4	1.3	.3	.6	1.2	15.7	8.3	62.8	10.9	.2	4.4
1850	6.6	9.0	5.4	75.2	2.1	.1	.1	3.0	9.3	9.2	71.0	7.2	(3)	4.5
1860	6.9	8.3	4.7	74.8	2.4	1.5	1.0	6.7	12.5	9.9	61.3	8.3	.3	1.0
1866	10.0	20.5	7.2	57.7	1.4	2.4	.8	14.7	19.5	9.7	48.2	6.1	.5	1.4
1870	5.5	7.9	3.9	79.8	1.5	1.0	.5	8.3	17.1	9.9	55.1	8.7	.4	1.6
1871-1875	6.4	7.2	4.0	80.2	1.0	.8	.4	5.9	16.6	11.0	55.6	9.7	.7	.6
1876-1880	5.0	5.4	3.3	83.1	1.7	1.1	.6	5.6	17.6	13.8	50.3	11.3	.9	.6
1881-1885	5.4	5.7	3.4	81.1	2.2	1.6	.5	6.3	14.4	11.4	55.1	10.5	1.7	.6
1886-1890	5.2	5.8	3.4	79.3	2.5	2.0	.5	5.6	13.8	11.5	55.6	10.4	2.3	.6
1891-1895	5.5	6.8	3.7	79.5	2.3	1.6	.6	4.6	13.3	14.9	50.6	10.8	2.1	.6
1896-1900	6.9	5.6	3.1	76.7	3.9	2.3	1.5	5.0	10.3	23.2	62.6	14.6	3.1	1.3
1901-1905	3.6	6.7	3.2	72.3	5.3	2.0	1.9	5.4	13.3	12.5	51.3	15.4	.9	1.1
1906-1910	10.2	8.7	4.6	68.2	5.5	1.8	1.0	5.9	13.4	11.7	51.3	15.2	1.2	1.2
1911-1915	14.2	7.7	5.2	64.0	5.6	2.2	1.1	7.7	14.5	12.8	46.6	15.8	1.1	1.4
1916-1920 ²	12.0	7.7	5.5	63.2	8.6	1.7	1.3	12.7	17.5	17.6	20.3	27.1	2.1	2.7
1921-1925 ³	14.3	10.1	6.8	52.7	11.3	3.2	1.6	11.5	14.9	12.2	30.4	27.3	1.6	2.1
1910-1914	14.8	8.4	5.6	62.3	5.6	2.2	1.1	7.0	13.5	12.2	49.5	15.3	1.0	1.3
1916-1919 ⁴	12.0	6.4	4.7	66.6	7.6	1.6	1.0	12.8	17.5	18.5	20.9	25.6	2.3	2.4
1884	6.3	6.1	4.2	78.8	2.3	1.8	.3	5.8	14.6	11.3	55.6	10.2	1.0	.6
1885	5.5	4.9	3.7	80.7	2.9	1.9	.4	6.4	13.9	11.3	55.2	10.5	2.1	.5
1886	5.2	5.4	3.8	79.7	3.3	2.2	.4	5.9	13.8	10.4	56.3	10.9	2.2	.5
1887	5.1	5.2	4.3	80.3	2.8	1.9	.4	5.5	13.4	11.5	56.4	10.5	2.1	.5
1888	5.4	6.1	4.3	78.9	2.8	2.1	.4	6.0	13.4	11.7	56.2	10.1	2.2	.5
1889	5.7	6.3	4.7	78.0	2.6	2.2	.5	5.8	14.5	12.4	54.1	10.2	2.6	.5
1890	4.9	6.1	4.5	79.7	2.4	1.9	.5	5.0	13.8	11.4	57.1	10.2	2.1	.4
1891	4.5	6.4	3.8	79.7	2.9	2.1	.5	4.7	14.6	14.1	54.5	9.3	2.4	.5
1892	4.4	5.9	3.2	82.6	2.0	1.5	.5	4.3	13.8	18.2	47.3	10.7	2.0	1.2
1893	5.8	8.4	3.9	78.1	2.0	1.3	.6	4.4	16.8	11.8	52.9	11.5	1.9	.7
1894	6.6	6.9	3.7	78.6	2.4	1.3	.6	4.8	20.7	15.3	45.1	11.4	2.2	.5
1895	6.7	6.7	4.2	77.8	2.2	1.6	.8	5.1	13.2	15.3	52.4	11.5	1.7	.8
1896	6.9	6.3	4.1	76.8	2.9	1.9	1.6	5.3	11.0	14.0	53.7	12.1	2.5	1.4
1897	6.3	5.6	3.2	77.4	3.7	2.1	1.0	5.3	8.5	14.0	56.3	12.0	2.6	1.2
1898	6.9	4.4	2.7	79.1	3.6	1.8	1.4	5.3	9.6	14.9	49.7	15.7	3.7	1.2
1899	7.3	5.6	2.9	76.3	4.0	2.4	1.5	4.5	11.5	12.4	50.3	16.0	3.2	1.5
1900	7.0	6.5	2.8	74.6	4.8	2.9	1.4	4.7	10.6	11.0	51.3	17.2	3.4	1.3
1901	7.3	6.0	3.0	76.4	3.6	2.1	1.7	5.2	12.4	13.4	52.2	14.8	.8	1.1
1902	8.1	6.7	2.8	73.0	5.0	2.1	2.4	5.4	11.3	13.3	52.6	15.1	.8	1.5
1903	8.9	6.3	2.9	72.5	4.4	2.4	2.7	5.4	13.1	10.5	53.4	15.5	.9	1.2
1904	9.2	6.9	3.5	72.4	4.4	1.9	1.7	5.3	14.7	12.1	50.3	15.7	.8	1.0
1905	9.4	7.7	3.7	67.2	8.9	1.8	1.2	5.7	14.6	13.5	48.4	15.6	1.1	1.0
1906	9.2	8.5	4.3	68.8	6.4	1.7	1.1	5.7	13.5	11.4	51.6	15.7	1.0	1.0
1907	9.9	8.7	4.4	69.0	5.4	1.7	.9	5.2	13.2	11.2	52.1	15.6	1.3	1.5
1908	9.2	8.3	4.5	69.0	6.1	1.9	1.1	6.4	13.6	10.5	50.9	16.0	1.2	1.4
1909	10.1	8.5	4.6	69.0	5.0	1.8	1.0	6.1	13.2	12.5	49.9	15.8	1.3	1.2
1910	12.6	9.5	5.3	65.1	4.5	2.0	1.1	6.2	13.5	12.6	51.8	13.5	1.3	1.1
1911	13.4	8.9	5.3	63.8	5.1	2.3	1.2	6.7	13.3	12.0	50.3	15.1	.8	1.8
1912	15.1	8.3	6.0	60.9	6.4	2.2	1.1	6.7	13.5	13.0	49.6	15.0	.8	1.4
1913	17.0	8.0	5.9	60.0	5.7	2.2	1.2	6.7	13.2	12.0	49.2	16.4	.9	1.5
1914	14.8	7.5	5.3	62.9	6.0	2.4	1.2	8.6	14.0	11.8	47.3	16.1	1.3	1.0
1915	11.1	6.2	3.6	71.2	5.0	1.9	1.0	9.6	18.6	15.6	36.7	16.2	1.7	1.5
1915 (6 mos.)	11.0	6.5	4.5	69.7	5.1	2.1	1.1	11.3	15.4	18.2	29.3	21.0	2.0	1.8
1916	11.2	5.7	4.0	69.6	7.1	1.5	1.0	10.0	17.5	17.9	26.5	22.0	2.5	2.6
1917	13.5	6.3	5.0	65.2	7.5	1.2	.8	14.2	15.3	20.3	18.7	27.8	1.2	2.5
1918	14.6	6.9	4.9	62.8	8.1	1.8	1.0	15.1	17.1	20.2	10.5	31.0	3.4	2.8
1919	9.5	6.9	5.6	65.5	9.7	1.6	1.2	12.8	16.8	17.6	19.2	28.4	2.3	2.9
1920	12.0	11.5	7.6	54.3	10.6	2.1	2.0	11.6	19.9	14.4	23.3	26.5	1.5	2.3
1921	13.4	11.8	6.1	52.7	11.9	2.5	1.6	13.5	16.6	11.8	30.5	24.6	1.4	1.6
1922	15.2	8.7	6.9	54.4	11.7	2.7	1.5	11.8	14.6	11.5	31.8	26.6	1.6	2.1
1923	15.8	10.2	6.5	50.2	12.3	3.5	1.5	11.0	15.4	12.3	30.5	26.9	1.6	2.3
1924	13.8	9.9	6.8	53.3	11.2	3.4	1.5	11.1	16.4	12.9	30.4	25.8	1.4	2.0
1925	13.4	9.8	8.2	53.0	9.9	3.6	1.8	10.9	12.3	12.3	29.3	31.2	1.8	2.2
1926	15.5	8.9	9.2	48.0	11.7	4.4	2.1	11.0	11.9	12.8	29.0	31.6	1.5	2.2
1927	17.3	8.4	9.0	47.6	11.5	4.0	2.2	11.6	12.0	12.4	30.5	30.0	1.3	2.2
1928	18.1	7.7	9.4	46.3	12.8	3.5	2.3	12.2	11.3	13.9	30.5	28.6	1.3	2.2

¹ See headnotes to Table 521 and Table 522.

² Less than one-tenth of 1 per cent

³ Period July 1, 1915, to Dec. 31, 1920.

⁴ Fiscal years.

No. 521.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL

NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal years averages for 1910-1914 and 1915-1919. The Philippine Islands are included with Asia for all years; adjusted for recent years for grain shipments to Canada which are actually in transit to Europe are

Yearly average or year	Exports							
	Total	North America		South America	Europe ¹	Asia	Oceania	Africa
		Northern ¹	Southern					
1821	54,496	2,392	11,965	2,208	35,575	1,977	71	309
1830	71,671	2,802	14,723	4,586	47,393	1,906	27	294
1840	123,669	6,090	17,241	5,714	92,039	1,560	300	606
1850	144,376	9,519	14,284	7,730	105,635	3,028	180	987
1860	333,576	22,883	29,273	15,706	249,425	8,100	4,062	3,227
1865	106,029	16,618	34,003	12,026	65,744	2,350	4,016	1,273
1870	392,772	21,703	31,100	15,188	313,315	5,773	3,873	1,820
• 1871-1875	501,841	32,034	36,188	20,235	402,265	5,029	3,969	2,117
1876-1880	676,761	33,714	36,303	22,087	562,202	11,236	7,437	3,782
1881-1885	791,892	42,636	44,830	28,212	641,824	17,526	12,735	4,074
1886-1890	738,379	33,758	43,053	32,046	585,681	20,389	15,070	3,382
1891-1895	892,421	49,310	60,724	33,247	709,239	20,072	13,065	5,293
1896-1900	1,157,318	79,961	65,375	35,690	887,401	45,203	26,338	17,281
1901-1905	1,453,803	124,560	97,733	46,246	1,050,540	76,942	29,738	28,044
1906-1910	1,778,697	180,836	154,743	82,142	1,212,978	97,240	32,358	18,400
1911-1915	2,870,639	337,091	182,315	122,243	1,517,404	133,848	51,500	26,632
1915-1920 ²	6,521,190	780,221	503,439	360,744	4,123,523	562,476	109,121	81,608
1921-1925	4,397,026	627,331	444,578	297,115	2,317,944	493,853	141,426	69,729
1910-1914	2,165,816	319,890	181,205	121,028	1,350,300	121,042	47,715	24,038
1915-1919 ¹	5,308,823	638,704	340,971	250,837	3,534,473	403,716	87,262	52,800
1884	740,514	46,861	45,356	31,227	583,795	17,371	13,347	2,555
1885	742,190	40,539	36,225	27,735	599,241	21,444	18,818	3,187
1886	679,525	35,184	36,797	26,132	541,373	22,594	14,044	2,801
1887	716,183	36,475	36,951	30,744	578,300	20,116	13,720	2,877
1888	695,955	37,637	42,350	29,579	549,093	19,584	14,580	3,123
1889	742,401	42,528	47,023	35,021	578,903	19,371	10,060	3,497
1890	857,829	41,067	52,133	38,753	683,736	20,279	16,346	4,014
1891	884,481	39,844	56,705	33,708	704,798	20,170	18,407	4,768
1892	1,030,278	45,200	60,306	33,148	850,623	20,368	15,512	5,061
1893	847,065	43,826	70,963	32,639	601,977	17,017	11,046	5,196
1894	892,141	58,470	61,223	33,212	700,871	21,668	11,772	4,924
1895	807,538	54,152	54,424	33,526	627,928	18,134	12,997	6,378
1896	882,607	61,231	55,336	36,298	673,004	25,792	17,035	13,871
1897	1,050,994	66,196	58,762	33,769	813,389	39,370	22,568	16,953
1898	1,231,482	85,095	54,533	33,622	973,806	44,836	21,875	17,516
1899	1,227,023	89,765	68,167	35,690	936,602	48,764	29,471	18,504
1900	1,394,483	97,517	90,078	38,946	1,040,168	67,554	40,761	19,470
1901	1,487,765	107,967	88,567	44,400	1,136,505	53,413	31,365	25,543
1902	1,381,719	111,877	92,094	38,044	1,008,034	69,203	39,000	33,409
1903	1,420,142	125,967	86,515	41,138	1,029,257	62,308	33,480	33,437
1904	1,460,827	133,960	100,950	50,755	1,057,930	64,984	28,018	24,230
1905	1,518,562	143,030	117,540	66,894	1,029,973	134,705	26,870	18,541
1906	1,743,865	159,806	148,577	75,160	1,200,166	110,911	29,682	19,562
1907	1,880,851	186,176	163,664	82,157	1,298,452	101,365	32,525	16,511
1908	1,860,773	170,069	154,005	83,584	1,283,690	113,247	35,327	20,341
1909	1,623,011	167,423	142,054	76,592	1,146,755	82,982	30,207	17,035
1910	1,744,985	220,104	165,416	93,247	1,136,915	77,094	34,067	18,551
1911	2,049,320	274,478	182,582	108,895	1,308,276	105,146	46,338	23,607
1912	2,194,322	333,900	182,938	132,310	1,341,733	141,146	48,200	24,409
1913	2,465,884	420,404	197,009	146,148	1,476,075	140,441	53,713	29,080
1914	2,364,679	350,563	178,082	124,540	1,486,490	140,730	56,294	27,902
1915	2,768,580	306,112	170,964	99,324	1,971,435	139,226	53,000	28,520
1915 (6 mos.)	1,852,862	203,475	119,952	83,555	1,291,914	94,712	38,264	21,000
1916	5,482,641	613,416	311,137	220,267	3,813,278	367,735	82,797	54,011
1917	6,233,513	839,305	422,398	311,893	4,061,720	469,402	77,402	51,394
1918	6,149,088	900,248	426,238	302,710	3,858,695	498,477	104,519	69,198
1919	7,920,426	749,950	545,342	441,748	5,187,666	771,717	125,585	97,918
1920	8,228,016	984,818	944,345	623,917	4,466,091	871,579	171,695	165,662
1921	4,485,031	600,434	529,146	273,325	2,363,899	532,015	112,766	72,847
1922	3,831,777	583,451	332,203	226,075	2,083,367	448,970	101,945	55,776
1923	4,167,493	660,507	425,061	269,318	2,093,415	511,496	146,423	60,671
1924	4,590,984	633,876	456,165	314,262	2,445,300	514,562	156,505	70,234
1925	4,909,848	658,040	479,714	402,606	2,603,750	486,592	189,489	89,657
1926	4,808,060	747,635	428,797	443,507	2,310,144	564,543	212,705	101,279
1927	4,865,375	845,307	407,720	438,169	2,313,782	559,605	193,714	107,633
1928	5,128,357	924,172	397,195	480,815	2,374,916	664,514	180,033	116,713

¹See headnote and supplemental Table 522 on p. 482.

IMPORTS OF MERCHANDISE DISTRIBUTED BY CONTINENTS

to and including 1915, calendar years thereafter, except as noted. See headnote, Table 517, concerning Hawaiian Islands are with Oceania prior to 1901. Exports to Northern North America and to Europe shown in Table 522, p. 482

Total	General imports							Yearly average or year
	North America		South America	Europe	Asia	Oceania	Africa	
	Northern	Southern						
54,521	402	11,816	1,570	35,000	5,324	34	375	1821.
62,721	398	10,793	4,919	40,117	6,241	18	234	1830.
98,259	1,228	15,421	8,606	61,721	10,686	162	445	1840.
178,509	5,180	16,116	10,038	123,115	12,434	9	618	1850.
368,016	23,730	44,180	34,920	216,661	20,239	1,170	3,708	1860.
238,746	35,007	40,063	23,221	115,002	14,449	1,124	3,270	1865.
435,958	36,265	74,435	42,004	240,187	37,773	1,612	2,722	1870.
577,873	33,840	90,124	63,357	321,067	55,794	3,955	3,736	1871-1875.
492,570	27,000	80,040	68,185	247,620	55,635	4,619	2,365	1876-1880.
667,142	41,989	96,309	75,940	367,542	69,903	11,370	4,085	1881-1885.
717,281	40,230	98,819	82,427	401,745	74,439	16,158	3,400	1886-1890.
785,137	36,335	128,043	110,707	397,622	85,169	16,257	4,014	1891-1895.
741,519	37,206	70,007	97,713	389,843	107,999	22,781	9,910	1896-1900.
972,162	52,762	129,634	121,748	498,296	149,637	9,036	11,151	1901-1905.
1,344,838	79,511	180,192	167,126	689,838	205,041	16,601	16,529	1906-1910.
1,712,319	131,455	248,943	219,923	798,115	270,797	19,020	24,005	1911-1915.
3,358,354	425,337	588,103	581,295	682,298	910,340	70,134	90,848	1915-1920. ²
3,450,103	396,669	514,233	421,336	1,049,494	942,878	53,994	71,499	1921-1925. ²
1,088,874	118,518	228,618	206,858	836,498	253,534	17,276	22,573	1910-1914.
2,514,557	321,382	439,019	400,212	525,122	642,479	50,002	61,342	1915-1919. ¹
607,698	39,016	97,305	75,754	370,957	67,844	12,708	4,114	1884.
577,527	36,879	80,471	65,290	318,733	60,854	12,060	3,181	1885.
685,436	37,505	87,927	65,875	357,538	69,398	13,964	3,228	1886.
692,320	38,087	92,704	70,764	390,728	72,875	14,604	3,567	1887.
723,957	43,116	96,703	84,356	407,652	73,213	16,205	3,312	1888.
745,132	43,039	107,826	92,135	403,421	75,840	10,253	3,021	1889.
789,310	39,434	108,934	90,006	449,987	80,863	16,704	3,620	1890.
844,016	39,450	123,776	118,737	459,305	78,987	20,454	4,207	1891.
827,402	35,335	138,719	150,728	391,628	88,850	16,824	5,318	1892.
806,041	38,254	145,470	102,208	458,450	99,316	16,838	5,857	1893.
654,995	31,444	135,619	100,147	295,678	74,878	14,456	3,479	1894.
781,970	37,191	96,724	112,167	383,046	83,813	12,720	5,709	1895.
779,725	41,376	85,501	108,828	413,639	94,575	19,632	11,773	1896.
704,730	40,863	66,061	107,389	430,192	91,678	20,017	9,580	1897.
616,050	32,404	58,973	92,092	305,934	96,425	23,020	7,194	1898.
697,148	31,600	80,460	86,588	353,885	111,501	22,588	10,436	1899.
849,941	39,999	90,037	93,667	440,567	145,814	28,640	11,218	1900.
823,172	42,935	102,223	110,367	429,620	122,099	6,974	8,054	1901.
903,321	48,846	102,230	119,786	475,162	136,295	7,564	13,448	1902.
1,025,710	55,669	134,067	107,428	547,227	159,075	9,071	12,582	1903.
991,087	52,701	146,078	120,364	498,697	155,576	8,244	9,427	1904.
1,117,513	63,657	163,572	150,796	549,773	174,641	12,731	11,344	1905.
1,226,562	69,603	165,750	140,423	633,292	192,434	12,432	12,629	1906.
1,434,421	74,813	188,763	160,166	747,291	223,986	18,275	21,127	1907.
1,194,342	76,301	162,615	124,999	608,014	191,332	14,891	16,291	1908.
1,311,920	80,467	173,533	163,879	654,323	206,982	17,628	15,109	1909.
1,556,947	96,371	210,397	196,165	806,270	210,473	19,782	17,490	1910.
1,527,226	102,264	203,233	182,624	768,168	230,850	12,874	27,214	1911.
1,653,265	110,145	223,927	215,089	819,585	248,725	13,207	22,586	1912.
1,813,008	121,764	240,179	217,735	892,806	297,505	16,533	26,425	1913.
1,893,926	162,046	266,353	222,677	895,003	305,115	23,982	19,149	1914.
1,674,170	161,055	312,025	261,490	614,355	271,700	28,502	24,093	1915.
912,787	107,626	140,821	166,239	271,684	191,667	18,021	16,730	1915 (6 mos.).
2,301,635	240,161	418,277	427,610	633,317	550,896	59,511	61,893	1916.
2,922,468	419,124	452,858	508,810	651,145	820,624	36,835	75,064	1917.
3,031,213	457,660	519,955	610,931	318,121	639,301	102,737	85,606	1918.
3,904,365	500,165	657,609	687,525	750,528	1,107,733	88,616	112,188	1919.
5,278,481	614,618	1,048,045	760,999	1,227,843	1,396,977	80,014	150,285	1920.
2,509,148	337,632	417,217	295,623	764,942	617,862	35,499	40,373	1921.
3,112,747	366,524	455,930	358,763	991,203	826,880	48,517	64,924	1922.
3,792,066	418,348	583,169	467,421	1,157,056	1,019,811	59,200	87,061	1923.
3,609,963	402,407	593,108	460,074	1,096,087	930,708	48,945	72,992	1924.
4,226,589	458,791	521,742	518,797	1,238,181	1,319,126	77,808	92,144	1925.
4,480,888	485,503	526,067	567,979	1,285,863	1,400,701	68,365	96,420	1926.
4,184,742	484,499	500,959	518,275	1,276,496	1,256,768	54,531	83,255	1927.
4,091,444	490,959	460,743	569,410	1,248,749	1,168,928	53,460	90,207	1928.

¹ Period July 1, 1915, to Dec. 31, 1920.

² Fiscal years ended June 30.

No. 522.—SUPPLEMENT TO TABLES 520, 521, AND 523: ADJUSTED FIGURES OF EXPORTS TO CANADA, NORTH AMERICA, NORTHERN NORTH AMERICA, AND EUROPE

NOTE.—Especially since 1920 large quantities of United States grain have been shipped through Canada (mostly via Montreal) to other foreign countries. Since the final destination is customarily not known when shipped, this grain is reported as an export to Canada, but as a matter of fact practically all of it except from five to ten million dollars' worth of corn annually goes thence to Europe. In the following table the reported figures of total value of exports are adjusted on the assumption that all this grain was destined for Europe, an assumption adopted for convenience and involving only a small margin of error. Figures cover fiscal years for 1910-1914; calendar, for all other years

[Millions and tenths of millions of dollars]

Yearly average or year	Grain reported as exported to Canada	Adjusted figures deducting such grain from exports to Canada and adding to exports to Europe						
		Values of exports to—				Per cent of exports to entire world to—		
		Canada	Northern North America	North America	Europe	Northern North America	North America	Europe
1910-1914.....	7.1	308.0	313.0	404.0	1,357.4	14.4	22.8	62.7
1921-1925.....	72.3	546.6	555.0	999.6	2,390.3	12.6	22.7	54.4
1913.....	6.5	594.7	402.3	594.7	1,506.1	16.2	23.9	60.6
1919.....	18.8	715.4	731.1	1,277.0	5,206.5	9.2	16.1	65.7
1920.....	70.5	901.3	914.3	1,858.7	4,536.6	11.1	22.5	55.1
1921.....	79.9	513.8	520.6	1,049.7	2,443.8	11.6	23.4	54.5
1922.....	78.5	498.2	505.0	837.2	2,161.9	13.2	21.8	56.4
1923.....	40.6	611.3	619.9	1,045.6	2,134.0	14.9	25.1	51.2
1924.....	105.6	518.4	528.2	984.4	2,550.9	11.5	21.4	55.6
1925.....	37.2	591.5	601.4	1,081.1	2,661.0	12.2	22.0	54.2
1926.....	56.2	682.3	691.5	1,120.3	2,360.4	14.4	23.3	49.2
1927.....	113.9	722.6	731.4	1,139.1	2,427.7	15.0	23.4	49.9
1928.....	82.8	831.9	841.4	1,238.6	2,457.7	16.4	24.2	47.9

No. 523.—SUPPLEMENT TO TABLES 524, 525, AND 526: ADJUSTED FIGURES OF EXPORTS OF UNITED STATES MERCHANDISE TO NORTH AMERICA AND EUROPE BY ECONOMIC CLASSES

[All figures except percentages in thousands of dollars. See headnote to Table 522]

	1910-1914	1921-1925	1925	1926	1927	1928
ADJUSTED EXPORTS, (GRAINS EXPORTED TO CANADA TREATED AS EXPORTED TO EUROPE) ¹						
North America.....	476,127	956,958	1,022,075	1,057,263	1,070,697	1,178,728
Foodstuffs.....	79,049	108,135	169,614	163,591	152,947	155,189
Crude foodstuffs.....	24,304	55,464	52,622	55,633	51,635	51,828
Europe.....	1,340,920	2,351,854	2,632,921	2,836,814	2,393,754	2,424,964
Foodstuffs.....	306,733	768,322	634,422	568,980	638,315	505,376
Crude foodstuffs.....	96,722	348,721	251,790	251,153	363,769	224,270
Per cent of total exports of foodstuffs exported to—						
North America.....	18.8	16.5	19.0	19.5	17.3	20.4
Europe.....	72.8	75.2	71.2	67.9	72.2	66.5
Percentage distribution of total adjusted exports to—						
North America.....	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	18.1	17.3	12.1	17.4	16.8	15.2
Foodstuffs.....	16.6	17.6	16.6	15.5	14.3	13.2
Semimanufactures.....	14.8	12.8	13.9	14.7	14.8	14.4
Finished manufactures.....	50.5	52.3	37.5	52.4	54.1	57.2
Europe.....	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	44.4	37.1	42.4	37.5	33.5	36.6
Foodstuffs.....	22.9	22.7	24.1	24.3	26.7	26.8
Semimanufactures.....	17.1	11.2	13.6	12.9	14.4	14.3
Finished manufactures.....	15.6	10.0	19.9	25.3	25.4	23.2

¹ See Table 522 for grain exports to Canada and for reasons for adjustments.

No. 524.—FOREIGN TRADE WITH EACH CONTINENT, BY ECONOMIC CLASSES

NOTE.—Values in millions and tenths of millions of dollars. Data prior to 1915 are for years ended June 30; thereafter, for calendar years. The Philippine Islands are included in Oceania prior to 1922 and in Asia for later years; therefore, Asia and Oceania are combined for the averages

	1905- 1909 ¹	1910- 1914 ¹	1921- 1925 ¹	1925	1926	1927	1928
EXPORTS OF U. S. MERCHANDISE							
North America ²	297.6	483.3	1,029.3	1,078.3	1,113.5	1,184.6	1,261.6
Crude materials.....	56.5	86.2	165.9	123.3	184.2	179.7	178.9
Crude foodstuffs ²	20.8	31.5	127.8	109.9	111.9	165.6	134.0
Manufactured foodstuffs.....	39.3	54.7	112.7	117.0	108.0	101.3	103.4
Semimanufactures.....	35.9	70.4	122.6	141.7	155.0	158.5	170.1
Finished manufactures.....	145.1	240.6	600.3	587.4	553.9	579.6	674.5
South America.....	74.4	120.5	294.1	400.4	440.9	435.6	477.8
Crude materials.....	.8	2.7	7.9	6.3	15.8	6.3	3.4
Crude foodstuffs.....	.9	1.3	4.0	4.8	11.7	6.8	7.4
Manufactured foodstuffs.....	8.5	11.9	21.9	32.8	31.4	28.4	30.4
Semimanufactures.....	11.5	21.8	49.1	65.5	67.6	76.9	71.8
Finished manufactures.....	62.7	82.8	214.3	291.0	314.3	317.2	364.7
Europe ³	1,178.0	1,333.8	2,279.5	2,576.7	2,280.6	2,279.8	2,342.2
Crude materials.....	469.7	594.9	873.5	1,110.9	870.2	802.9	888.2
Crude foodstuffs ²	131.0	80.6	276.4	194.5	194.9	230.8	141.5
Manufactured foodstuffs.....	255.5	210.0	419.6	382.6	317.8	284.5	281.1
Semimanufactures.....	174.4	229.8	263.7	357.0	300.5	345.6	347.7
Finished manufactures.....	167.5	209.5	446.3	524.6	591.2	607.0	683.7
Asia ³	139.0	168.2	637.7	485.5	583.4	558.9	653.0
Crude materials.....	17.2	27.1	155.0	160.9	165.5	191.3	200.6
Crude foodstuffs.....	2.8	3.1	13.9	8.4	14.5	7.9	10.2
Manufactured foodstuffs.....	15.1	15.2	39.7	29.3	33.0	30.2	39.1
Semimanufactures.....	14.2	17.1	90.4	73.2	103.6	93.1	90.8
Finished manufactures.....	89.6	105.8	355.0	213.7	246.7	235.0	294.3
Oceania.....				188.9	212.1	193.2	179.6
Crude materials.....				9.0	10.3	8.3	9.1
Crude foodstuffs.....				.1	.7	.6	.7
Manufactured foodstuffs.....				5.3	5.7	4.9	4.9
Semimanufactures.....				17.2	20.7	22.7	18.8
Finished manufactures.....				157.3	174.6	156.7	146.1
Africa.....	18.4	24.6	69.6	88.9	101.3	107.0	118.0
Crude materials.....	1.4	2.3	6.4	5.0	9.2	4.3	4.0
Crude foodstuffs.....	2.1	1.0	1.7	.1	1.3	.4	.3
Manufactured foodstuffs.....	3.7	3.2	6.8	6.8	7.1	7.9	6.9
Semimanufactures.....	1.6	2.5	5.7	7.1	7.5	7.9	8.1
Finished manufactures.....	9.5	15.6	49.0	69.4	76.1	86.4	93.7
GENERAL IMPORTS							
North America.....	243.8	347.1	910.9	980.5	1,011.6	985.5	960.7
Crude materials.....	76.8	114.0	220.0	240.4	223.9	207.7	193.1
Crude foodstuffs.....	35.2	53.8	113.4	127.7	147.3	144.7	153.3
Manufactured foodstuffs.....	74.2	102.7	208.3	246.0	238.1	253.0	203.6
Semimanufactures.....	39.7	46.4	148.6	176.8	180.8	170.7	176.5
Finished manufactures.....	17.9	30.1	130.6	183.5	212.5	208.4	231.2
South America.....	148.1	208.9	421.3	518.8	568.0	518.3	569.4
Crude materials.....	67.2	78.9	131.0	145.7	157.1	164.6	175.3
Crude foodstuffs.....	70.5	95.6	197.7	274.7	307.3	268.0	291.8
Manufactured foodstuffs.....	2.6	3.2	8.7	5.8	9.9	9.7	12.4
Semimanufactures.....	16.9	26.8	78.1	90.2	89.4	71.3	85.2
Finished manufactures.....	.8	2.4	5.3	2.4	4.3	4.6	4.7
Europe.....	636.7	836.5	1,049.5	1,238.2	1,285.9	1,276.5	1,249.7
Crude materials.....	166.8	229.4	239.9	337.8	306.7	281.1	261.0
Crude foodstuffs.....	21.3	30.3	27.7	35.8	32.5	34.1	40.5
Manufactured foodstuffs.....	65.0	70.9	70.7	91.0	97.7	100.0	96.5
Semimanufactures.....	138.1	196.5	261.3	321.5	361.2	339.1	332.4
Finished manufactures.....	255.5	309.4	440.8	451.5	487.8	522.1	518.4
Asia ³	213.1	275.8	996.9	1,319.1	1,400.7	1,256.8	1,168.9
Crude materials.....	113.1	151.0	655.3	891.1	989.4	852.3	747.5
Crude foodstuffs.....	20.7	23.0	34.0	41.4	37.2	37.7	43.9
Manufactured foodstuffs.....	19.5	17.5	60.9	83.3	65.6	51.9	86.3
Semimanufactures.....	23.3	37.1	104.7	146.4	138.6	144.1	142.5
Finished manufactures.....	30.5	47.2	141.9	150.4	169.8	140.8	148.7
Oceania.....				77.8	68.4	64.5	63.5
Crude materials.....				70.5	50.4	47.0	44.2
Crude foodstuffs.....				.8	.4	.4	.1
Manufactured foodstuffs.....				4.4	5.7	4.7	6.7
Semimanufactures.....				1.2	1.6	1.8	1.2
Finished manufactures.....				.9	1.2	1.1	1.2
Africa.....	15.3	22.6	71.5	92.1	98.4	93.3	90.2
Crude materials.....	14.7	21.6	46.2	55.6	55.5	48.0	45.6
Crude foodstuffs.....	.3	.4	10.5	14.4	15.1	19.7	17.3
Manufactured foodstuffs.....	(⁴)	(⁴)	.6	1.2	.7	.6	.3
Semimanufactures.....	.1	.3	13.1	20.0	24.0	23.3	25.1
Finished manufactures.....	.2	.2	1.1	1.1	1.0	1.5	2.0

¹ Average for period.

² See headnote to Table 522 and Supplemental Table 523.

³ "Asia and Oceania" for 1905-1909, 1910-1914, and 1921-1925.

⁴ Less than \$50,000.

No. 525.—PER CENT EACH CONTINENT FURNISHES OR TAKES OF TOTAL TRADE IN EACH ECONOMIC CLASS

NOTE.—Percentages are based on data shown in Table 524, except calculations were made from the full figures. See also Supplemental Table 523

Continent	1905-1909, average	1910-1914, average	1921-1925, average	1926	1927	1928	1905-1909, average	1910-1914, average	1921-1925, average	1926	1927	1928
	Crude materials						Foodstuffs					
Exports (U. S. mdse.):												
North America.....	10.6	12.1	14.0	14.6	15.1	13.8	12.5	20.4	23.5	26.2	30.2	31.3
South America.....	1	4	7	1.3	5	3	2.0	3.1	2.5	5.1	4.0	5.0
Europe.....	85.8	83.4	73.5	69.5	67.3	68.7	80.6	71.1	68.1	61.2	50.3	55.6
Asia and Oceania.....	3.2	3.8	11.4	13.9	16.7	16.9	3.7	4.3	5.0	6.4	6.6	7.2
Africa.....	.3	.3	.5	.7	.4	.3	1.2	1.0	.8	1.0	.9	.9
General imports:												
North America.....	17.0	19.2	17.0	12.5	13.0	13.2	36.5	30.4	49.5	40.2	41.7	37.7
South America.....	13.4	13.3	10.2	8.3	10.3	12.0	24.4	24.0	24.8	33.1	20.1	31.8
Europe.....	38.9	38.6	18.6	17.1	17.6	17.8	25.5	25.4	12.9	13.6	14.0	14.3
Asia and Oceania.....	26.4	25.4	50.7	58.5	56.2	54.0	13.4	10.2	11.4	11.4	13.1	14.3
Africa.....	3.4	3.6	3.6	3.1	3.0	3.1	.1	.1	1.3	1.7	2.1	1.8
	Semimanufactures						Finished manufactures					
Exports (U. S. mdse.):												
North America.....	15.1	20.6	22.9	23.7	22.6	23.7	31.9	36.8	32.0	28.3	29.2	29.8
South America.....	4.8	6.4	8.8	10.3	11.0	10.0	11.6	12.7	13.7	16.1	16.0	16.1
Europe.....	73.4	67.3	49.3	45.8	49.4	48.5	34.7	32.0	28.5	30.2	30.6	30.3
Asia and Oceania.....	6.0	5.0	18.0	19.0	15.8	16.6	19.7	16.2	22.7	21.5	19.8	19.6
Africa.....	.7	.7	1.1	1.1	1.1	1.1	2.1	2.4	3.1	3.9	4.4	4.3
General imports:												
North America.....	18.2	15.1	24.5	23.6	22.8	23.1	5.8	7.7	18.1	24.2	23.7	25.5
South America.....	7.7	8.7	12.9	11.1	9.5	11.2	.8	.6	.7	.5	.5	.5
Europe.....	63.3	64.0	45.1	44.9	45.2	43.6	82.2	79.5	61.2	55.6	59.4	57.2
Asia and Oceania.....	10.7	12.1	17.3	17.4	19.4	18.8	11.7	12.1	19.7	19.5	16.2	16.5
Africa.....	(¹)	.1	2.2	3.0	3.1	3.3	.1	.1	.2	.1	.2	.2

¹ Less than one-tenth of 1 per cent.

No. 526.—PER CENT EACH ECONOMIC CLASS FORMS OF TOTAL TRADE WITH EACH CONTINENT

NOTE.—Percentages are based on data shown in Table 524, except calculations were made from the full figures. See also Supplemental Table 523

Class	1905-1909, average	1910-1914, average	1921-1925, average	1926	1927	1928	1905-1909, average	1910-1914, average	1921-1925, average	1926	1927	1928
	North America						South America					
Exports (U. S. mdse.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	19.0	17.8	16.1	16.5	15.2	14.2	1.1	2.2	2.7	3.6	1.4	.7
Foodstuffs.....	20.2	17.8	23.4	19.7	22.5	18.9	12.7	10.9	8.8	9.8	8.1	7.0
Semimanufactures.....	12.0	14.6	11.9	14.0	13.4	13.5	15.5	18.1	15.7	15.3	17.6	15.0
Finished manufactures.....	48.8	49.8	48.6	49.7	48.9	53.5	70.8	68.7	72.9	71.3	72.8	76.3
General imports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	31.5	32.9	24.2	22.1	21.1	20.1	38.7	38.1	31.2	27.7	31.8	30.8
Foodstuffs.....	44.9	45.1	45.2	38.1	40.5	37.5	49.4	47.8	49.0	56.8	53.6	53.4
Semimanufactures.....	16.3	13.4	16.3	18.8	17.3	18.4	11.4	13.0	18.5	15.7	13.8	15.0
Finished manufactures.....	7.4	8.7	14.3	21.0	21.2	24.1	.5	1.1	1.3	.7	.9	.8
	Europe						Asia and Oceania					
Exports (U. S. mdse.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	39.0	44.6	38.3	38.4	35.2	37.9	12.4	16.1	21.2	22.7	26.6	26.3
Foodstuffs.....	32.8	22.5	30.5	22.5	23.0	18.0	12.9	10.8	7.9	7.0	6.6	6.6
Semimanufactures.....	14.8	17.2	11.6	13.2	15.2	14.8	10.2	10.2	15.1	16.0	14.7	14.2
Finished manufactures.....	13.4	15.7	19.6	25.9	26.6	29.2	64.5	62.9	55.8	54.3	52.1	52.9
General imports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	26.2	27.4	22.9	23.8	22.0	20.9	53.1	54.7	65.7	71.4	68.6	64.8
Foodstuffs.....	12.0	12.1	10.2	10.1	10.5	11.0	18.9	14.7	9.5	7.4	9.5	11.2
Semimanufactures.....	21.7	23.5	24.9	28.1	26.8	26.6	10.9	13.5	10.5	9.5	11.1	11.8
Finished manufactures.....	40.1	37.0	42.0	37.9	40.9	41.5	17.1	17.1	14.2	11.6	10.8	12.3

No. 527.—FREE AND DUTIABLE GENERAL IMPORTS BY PRINCIPAL COUNTRIES

NOTE.—For the years 1927 and 1928 dutiable imports for consumption from Canada were less and the free imports correspondingly greater than the general imports because of wheat which was originally classified as dutiable but which was later entered free under special provision. For adjusted figures see Table 519. There was a similar difference between imports for consumption and general imports from China caused by a reclassification of carpet wool from dutiable to free and this affects to a smaller degree statistics for Argentina, British India, and other wool exporting countries. See headnote, Table 519

[All figures except percentages in thousands of dollars]

Country	1910-1914 average			1927			1928		
	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free
Grand total.....	905,796	783,078	53.6	2,621,874	1,562,869	62.7	2,616,230	1,475,205	63.9
Northern North America.....	64,446	54,072	54.4	352,385	132,114	72.9	394,891	135,063	73.0
Canada ¹	63,855	53,358	54.5	344,193	130,535	72.5	355,484	133,819	72.7
Newfoundland and Labrador.....	565	707	44.4	7,810	1,256	86.1	8,919	1,198	88.2
Southern North America.....	97,122	131,435	42.5	203,086	294,873	41.1	221,870	239,173	48.1
Mexico.....	59,387	11,092	84.3	103,059	34,756	74.3	91,928	32,536	73.3
Central American countries.....	16,808	561	96.8	33,445	5,986	82.7	40,139	5,200	88.5
Cuba.....	4,789	117,288	3.9	10,341	240,444	4.0	8,107	194,735	4.0
Other West Indies and Bermudas.....	16,138	2,555	86.3	50,241	6,680	89.9	51,390	6,046	92.5
South America.....	191,833	15,025	92.7	443,807	75,068	85.5	504,455	64,953	88.6
Argentina ¹	22,758	10,120	69.2	41,102	55,137	42.3	52,206	47,231	52.5
Bolivia.....	2	(*)	93.2	201	17	92.2	174	-----	93.9
Brazil.....	110,189	689	99.4	198,179	4,848	97.6	217,054	3,647	98.3
Chile.....	22,527	354	98.5	60,138	1,720	97.2	72,002	2,557	96.6
Colombia.....	10,952	994	91.7	87,281	622	99.4	94,289	310	99.7
Ecuador.....	3,153	212	93.7	4,309	705	8.04	4,321	525	90.2
Peru.....	8,969	811	91.7	19,385	796	96.5	18,558	2,199	89.4
Uruguay.....	3,639	946	78.9	2,071	7,023	27.3	6,427	6,282	46.3
Venezuela.....	8,782	340	96.3	28,434	104	99.4	38,801	104	99.7
Europe.....	332,967	503,532	39.8	462,830	813,636	36.3	476,772	771,977	36.2
Belgium.....	17,288	23,072	42.8	22,093	49,641	31.4	25,963	49,111	34.6
Czechoslovakia.....	-----	-----	-----	3,461	28,260	10.9	6,051	30,732	16.5
Denmark.....	1,966	631	75.7	2,250	1,894	54.3	1,837	2,101	46.6
France.....	41,227	88,903	31.7	46,044	121,756	27.4	46,038	112,710	29.0
Germany.....	63,746	112,716	36.1	69,240	131,808	34.5	84,029	138,101	37.8
Greece.....	474	2,855	14.2	1,796	27,850	6.1	1,642	12,968	11.2
Italy.....	17,321	35,823	33.9	20,231	83,739	18.6	15,766	82,914	13.5
Netherlands.....	10,151	24,785	29.1	30,147	57,091	34.6	26,180	57,424	31.3
Norway.....	2,126	5,960	26.3	10,684	11,547	48.1	9,472	12,254	43.6
Soviet Russia in Europe.....	15,413	3,713	80.6	4,467	7,633	36.7	6,569	7,080	49.2
Spain.....	10,071	11,539	46.6	9,295	25,050	27.1	11,935	23,083	34.1
Sweden.....	1,955	7,875	20.5	39,555	8,341	82.6	30,475	9,011	79.1
Switzerland.....	661	24,121	2.3	5,366	40,801	11.7	5,639	37,856	12.9
United Kingdom.....	140,814	183,083	50.5	172,045	185,286	48.2	171,806	176,735	49.3
Asia.....	187,298	71,236	72.4	1,043,606	213,152	83.0	937,539	231,989	80.2
British India ¹	30,175	26,181	53.5	49,710	81,288	37.9	57,514	91,418	38.6
British Malaya.....	24,313	307	98.8	276,013	1,771	99.4	203,074	1,239	99.4
Ceylon.....	9,430	536	94.6	37,370	3,476	91.5	23,420	2,517	92.5
China ¹	25,613	9,710	72.5	104,464	47,216	68.9	92,789	47,162	66.3
Netherland East Indies.....	4,676	4,513	50.9	87,969	3,419	96.3	80,052	6,091	92.9
Hong Kong.....	1,717	1,337	56.2	9,410	5,375	63.6	6,491	4,078	70.0
Japan.....	66,749	18,250	78.5	364,807	47,298	88.2	339,226	45,224	88.2
Philippine Islands.....	19,412	13	99.9	116,973	8	100.0	116,603	6	99.9
Oceania.....	12,221	5,055	70.7	31,573	22,968	57.9	30,386	23,064	56.8
Australia.....	3,250	4,056	67.1	19,047	19,580	49.3	16,353	18,225	51.8
New Zealand.....	2,821	937	75.1	9,395	3,270	74.1	11,443	7,765	59.6
Africa.....	19,909	2,684	88.2	82,187	11,068	88.1	80,626	9,580	89.4
British South Africa.....	696	1,767	28.3	4,432	4,309	50.7	5,084	4,005	55.4
British West Africa.....	659	98	86.8	23,118	827	96.5	21,897	772	96.5
Egypt.....	16,618	269	98.4	31,010	2,282	93.1	26,902	1,785	93.8

¹ See headnote.

¹ Less than \$500.

No. 528.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF

NOTE.—In the case of some countries, especially those having no seaports, there is considerable indirect imports from them; for such countries the apparent balance of trade may be far from the true bal. Adjusted figures taking account of this movement are given in Table 522. Figures for 1910 to 1914

[All figures in

Country	Imports							
	1910-1914, average	1921-1925, average	1923	1924	1925	1926	1927	1928
Grand total.....	1,688,874	3,450,103	3,792,066	3,609,903	4,220,599	4,430,888	4,184,742	4,091,444
North America ¹	347,139	910,902	1,001,518	995,166	980,633	1,011,570	985,458	980,702
1. Northern ¹	118,518	896,068	418,348	408,047	458,781	486,603	484,499	499,969
Canada ¹	117,213	393,771	416,006	809,148	454,235	475,881	476,028	483,308
Newfoundland and Labrador.	1,272	2,528	2,166	2,569	3,718	9,039	9,099	10,117
Miquelon and St. Pierre.	7	37	2	19	162	64	68	90
Greenland.....	133	333	176	311	601	519	347	449
2. Southern.....	228,617	614,283	583,169	593,109	521,749	526,067	500,959	480,743
Mexico.....	70,479	147,488	140,142	167,037	178,836	169,306	137,815	124,514
Central America.....	17,569	56,327	37,281	37,202	42,055	48,373	40,450	45,545
British Honduras.....	1,435	2,421	2,227	2,156	2,334	2,348	3,740	2,851
Costa Rica.....	3,793	5,090	4,631	4,089	4,702	7,062	6,035	6,566
Guatemala.....	2,845	10,016	11,267	10,089	11,338	14,491	10,179	9,561
Honduras.....	2,766	5,967	4,937	5,060	8,719	8,720	9,311	12,280
Nicaragua.....	1,420	4,987	5,428	5,463	6,188	6,970	4,227	5,400
Panama.....	3,781	4,635	4,267	5,004	6,431	5,640	5,384	6,398
Salvador.....	1,888	3,261	4,524	3,912	2,323	4,237	1,545	3,201
West Indies and Bermudas.....	140,770	380,388	406,747	388,700	300,239	307,387	322,714	290,884
Bermudas.....	599	1,076	1,000	1,195	893	1,124	1,107	944
Barbados.....	1,368	351	359	209	456	509	496	437
Jamaica.....	16,140	6,878	6,626	6,174	8,238	9,111	9,723	8,000
Trinidad and Tobago.	16,490	5,199	5,102	4,802	5,970	8,234	7,461	9,075
Other British.....	1,434	2,372	1,923	2,850	3,028	3,380	3,362	2,297
Cuba.....	122,077	290,605	376,443	361,721	201,673	250,000	256,786	202,842
Dominican Republic.	3,017	8,188	8,360	6,825	7,258	8,131	11,020	9,372
Netherland West Indies.	474	4,200	3,502	4,140	6,208	24,380	20,033	54,433
French West Indies.	50	168	50	218	387	162	106	162
Haiti.....	794	1,651	1,722	1,166	2,060	1,379	1,247	1,537
Virgin Islands of U. S.	221	600	415	394	1,021	810	968	1,195
South America.....	208,868	421,538	467,421	468,074	518,797	567,979	518,275	569,410
3. Caribbean.....	22,545	65,832	60,578	75,887	84,766	116,190	118,840	135,575
Colombia.....	11,940	49,370	45,700	57,720	68,376	90,242	87,803	94,599
Guiana—								
British.....	494	675	702	631	980	1,209	981	914
Surinam (Netherlands).	944	737	821	613	743	361	1,412	1,001
French.....	38	177	179	151	103	66	40	60
Venezuela.....	9,122	14,873	13,112	16,463	19,664	23,310	23,592	38,005
4. East Coast.....	148,230	251,361	282,139	262,230	318,377	342,513	312,075	332,397
Argentina.....	32,878	83,270	116,276	75,298	80,170	88,058	97,240	99,488
Falkland Islands.....		468	1,272	411	655	104		8
Brazil.....	110,878	152,170	143,234	179,337	221,672	236,307	203,027	220,701
Paraguay.....	39	655	545	114	330	541	913	546
Uruguay.....	4,485	14,799	21,811	7,070	10,100	18,602	10,895	11,790
5. West Coast.....	36,034	104,142	124,708	127,937	115,154	110,276	87,360	101,438
Bolivia.....	2	1,082	2,354	84	84	280	218	170
Chile.....	22,881	77,186	91,801	98,234	89,194	81,442	61,367	75,190
Ecuador.....	3,270	6,859	6,146	6,697	8,702	6,787	5,194	5,345
Peru.....	9,780	19,015	24,402	22,822	17,174	21,797	20,091	20,767

For footnotes, see pp. 490 and 491.

MERCHANDISE BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES

trade by way of other countries, this being usually larger in the case of our exports to them than of our
 ance. A specially marked case of indirect trade is that of grain exported through Canada to Europe.
 cover fiscal years; other figures, calendar years

thousands of dollars]

Exports (including reexports)								Country
1910-1914, average	1921-1925, average	1923	1924	1925	1926	1927	1928	
2,168,818	4,397,027	4,167,498	4,590,984	4,909,848	4,808,060	4,805,376	6,128,357	Grand total.
501,095	1,071,969	1,088,168	1,090,041	1,138,364	1,176,482	1,253,027	1,321,367	North America: ¹
319,300	627,382	680,507	633,877	658,641	747,655	846,307	924,173	1. Northern: ¹
315,044	619,017	651,921	624,031	648,768	738,568	839,632	914,713	Canada. ¹
4,778	8,181	8,375	9,098	9,023	8,861	8,488	9,210	Newfoundland and Labrador.
68	174	104	148	231	258	280	245	Miquelon and St. Pierre, Greenland.
	10	17		19		8	4	
181,206	444,877	425,661	456,104	479,713	428,798	407,720	397,196	2. Southern.
53,091	146,345	120,190	135,075	144,720	134,994	109,148	115,664	Mexico.
37,569	58,758	56,197	64,835	72,780	75,058	76,348	82,117	Central America.
1,482	1,922	1,817	1,836	2,162	2,369	2,061	1,838	British Honduras.
3,437	5,139	4,835	5,905	6,800	6,812	7,298	8,088	Costa Rica.
2,334	7,214	6,314	8,824	9,352	11,088	10,632	13,314	Guatemala.
2,847	10,312	11,257	9,101	9,570	7,640	8,487	9,728	Honduras.
2,442	5,284	4,990	6,260	7,435	6,264	6,950	7,357	Nicaragua.
22,451	22,807	21,769	20,367	28,237	31,021	34,051	34,201	Panama.
2,077	6,060	5,214	6,402	9,194	9,557	6,899	7,501	Salvador.
96,546	239,494	249,288	256,354	262,219	218,752	222,224	199,424	West Indies and Bermudas.
1,448	3,637	4,084	3,475	3,160	3,287	3,774	3,458	Bermudas.
2,467	1,801	1,519	1,607	1,410	1,593	1,616	1,531	Barbados.
4,974	8,537	8,837	7,281	8,945	8,886	8,941	8,141	Jamaica.
3,320	5,176	4,304	3,522	4,209	4,005	6,930	4,717	Trinidad and Tobago.
2,045	5,446	5,830	5,162	5,572	6,040	5,750	5,635	Other British.
63,047	181,294	192,433	199,778	198,955	160,488	155,388	127,897	Cuba.
4,411	15,282	13,427	15,642	17,764	14,672	18,871	16,807	Dominican Republic.
864	3,095	2,720	3,710	4,207	4,806	6,431	13,622	Netherlands West Indies.
1,033	2,630	2,461	2,529	2,665	1,958	2,704	2,597	French West Indies.
5,852	10,910	11,883	11,570	13,711	10,857	11,071	12,742	Haiti.
854	1,894	1,618	1,608	1,915	1,799	2,053	2,277	Virgin Islands of U. S.
121,028	297,115	269,318	314,252	402,806	443,507	438,169	480,815	South America.
13,076	43,965	37,081	48,020	70,008	92,281	58,291	99,055	3. Caribbean.
5,764	25,862	22,298	27,764	41,377	49,281	48,694	58,596	Colombia.
1,808	2,094	1,704	1,565	2,000	1,582	1,501	1,348	Guiana—
723	983	810	802	1,220	1,678	1,183	1,034	British.
204	450	350	246	254	151	139	157	Surinam (Netherlands).
4,486	14,576	11,919	17,643	25,187	39,690	34,744	37,920	French.
84,715	193,497	174,029	201,359	258,396	263,005	278,668	306,453	4. East Coast.
47,169	117,002	112,782	117,093	148,759	143,576	168,483	178,899	Argentina.
1	4	1	16	4	60	07	80	Falkland Islands.
31,484	59,921	45,584	65,207	87,431	95,449	88,737	100,104	Brazil.
134	617	586	821	902	905	1,317	1,354	Paraguay.
6,927	15,952	15,077	18,222	21,270	23,016	25,060	26,016	Uruguay.
23,239	59,653	58,208	64,873	74,202	88,221	73,232	75,307	5. West Coast.
915	3,649	3,039	4,122	5,088	5,163	4,942	4,951	Bolivia.
13,870	30,132	31,058	31,377	39,274	40,043	37,899	40,361	Chile.
2,424	4,930	4,330	5,537	6,808	4,662	5,531	6,595	Ecuador.
6,030	20,942	19,770	23,837	29,032	29,353	24,870	23,410	Peru.

No. 528.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MER

[All figures in

Country	Imports							
	1910-1914, average	1921-1925, average	1923	1924	1925	1926	1927	1928
Europe ¹	886,499	1,049,494	1,157,056	1,098,087	1,238,181	1,285,863	1,276,406	1,248,749
6. North-western and Central	728,329	884,987	984,179	924,149	1,036,645	1,070,229	1,050,869	1,064,490
Sweden.....	9,530	34,073	36,184	40,031	41,033	44,018	47,890	40,096
Norway.....	8,086	18,408	20,099	21,892	23,280	25,056	23,281	21,728
Denmark.....	2,597	6,029	6,030	6,168	4,328	5,508	4,145	3,936
Iceland.....	71	100	50	82	97	178	92	327
United Kingdom.....	278,897	* 355,781	404,072	360,460	412,705	383,108	357,931	348,540
Irish Free State.....		* 1,209			1,269	1,470	1,507	1,273
Belgium.....	40,360	58,335	68,005	65,550	60,019	77,793	72,234	75,074
France.....	130,130	147,875	149,613	147,030	157,433	152,020	167,800	158,748
Netherlands.....	34,937	70,625	77,521	74,044	92,539	101,856	87,242	83,004
Austria.....	18,077	4,007	4,697	4,007	5,858	9,410	10,611	12,121
Czechoslovakia.....		17,373	16,073	22,423	22,838	28,302	31,726	36,783
Hungary.....	(^b)	603	1,313	688	710	873	941	1,215
Germany.....	176,462	132,406	101,193	139,258	164,251	168,495	200,554	222,180
Switzerland.....	24,682	38,843	38,124	35,682	40,207	42,638	45,860	42,895
7. Northeastern	19,264	17,719	19,600	24,469	27,987	34,821	31,055	32,735
Estonia.....		400	402	359	320	1,235	432	1,004
Finland.....	2	7,649	10,253	8,251	7,150	9,108	8,670	9,872
Latvia.....		2,573	3,714	4,503	3,709	5,982	4,469	3,536
Lithuania.....		265	161	314	707	947	520	610
Poland and Danzig.....		2,369	3,633	2,848	2,527	4,147	4,825	3,404
Soviet Russia in Europe.....	10,131	4,557	1,347	8,144	12,005	13,603	12,139	13,040
8. South-western	79,689	115,147	120,870	110,018	140,431	151,031	143,753	143,073
Azores and Madeira Islands.....	267	2,495	2,335	2,964	1,743	1,595	1,814	1,615
Gibraltar.....	11	16	16	10	34	31	53	30
Italy.....	51,149	79,141	92,268	75,011	102,206	102,626	108,079	101,681
Portugal.....	0,552	3,855	3,789	3,041	3,651	5,560	4,505	5,329
Spain.....	21,610	29,639	31,401	28,992	32,708	41,369	34,351	35,018
9. Southeastern	13,827	31,642	23,407	37,464	34,718	29,632	44,792	17,881
Bulgaria.....	376	1,020	804	1,544	963	1,205	892	707
Greece.....	3,329	22,255	14,388	27,729	29,187	16,908	20,649	14,610
Malta, Gozo, and Cyprus Islands.....	18	160	123	118	228	106	226	121
Rumania.....	248	266	330	90	302	1,098	649	677
Turkey in Europe.....	8,850	7,421	7,473	7,288	5,002	8,931	12,304	-----
Yugoslavia and Albania.....	7,990	511	193	686	1,431	1,156	985	1,766
Asia	258,634	942,879	1,019,811	930,709	1,318,128	1,400,701	1,256,757	1,188,928
10. Western	13,579	21,279	17,598	22,337	28,967	24,234	26,874	41,791
Aden.....	1,508	2,221	2,513	2,130	3,286	2,802	3,090	3,315
Arabia.....		2,547	2,267	3,892	4,073	4,145	71	90
Iraq.....							4,368	5,744
Palestine.....							248	280
Syria.....		2,337	2,101	3,470	4,450	2,945	3,084	4,081
Persia.....	1,877	4,778	5,181	5,456	7,212	8,401	7,827	9,293
Turkey in Asia.....	10,892	0,402	5,530	7,333	9,046	7,851	7,079	18,388
11. Southern and South-eastern	119,750	425,025	443,088	431,433	715,416	815,192	657,887	566,072
British India.....	56,356	109,020	127,978	103,277	144,563	150,030	131,003	148,032
Ceylon.....	0,960	27,059	27,949	25,325	48,159	55,805	40,840	30,737
British Malaya.....	24,025	153,247	153,865	147,686	314,023	383,800	277,784	204,364
Java and Madura.....	(¹⁰)	(¹⁰)	37,373	37,963	56,100	69,395	51,000	53,890
Other Netherland East Indies.....	9,104	54,962	17,517	19,557	39,074	51,222	39,788	32,532

For footnotes, see pp. 490 and 491.

CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

(thousands of dollars)

Exports (including reexports)								Country
1910-1914, average	1921-1925, average	1923	1924	1925	1926	1927	1928	
1,350,299	2,317,944	2,093,415	2,445,300	2,003,750	2,310,144	2,313,782	2,374,916	Europe ¹
1,222,899	1,960,627	1,799,075	2,096,293	2,193,586	1,984,517	1,976,878	1,975,049	6. Northwestern and Central
10,033	39,443	42,403	42,313	42,465	40,854	44,089	57,323	Sweden.
7,819	28,081	27,610	23,237	23,200	24,850	23,361	21,141	Norway.
15,393	42,615	38,768	43,413	55,747	30,377	58,005	47,173	Denmark.
16	290	128	123	249	247	202	207	Iceland.
567,502	930,412	882,321	952,942	1,038,856	972,606	840,059	847,326	United Kingdom.
	47,280			7,280	16,937	10,882	13,466	Irish Free State.
68,117	111,284	100,762	116,001	120,258	99,299	116,216	111,830	Belgium.
138,841	265,196	272,131	281,064	230,209	264,034	228,731	240,602	France.
104,575	138,228	109,173	151,764	141,518	135,795	143,320	142,278	Netherlands.
20,581	2,211	1,833	3,192	2,884	2,861	4,304	5,978	Austria.
	1,065	1,080	1,951	2,854	2,935	7,442	5,341	Czechoslovakia.
	390	123	370	819	937	1,753	2,734	Hungary.
304,008	333,219	316,837	440,418	470,344	364,162	481,631	467,260	Germany.
833	7,198	5,901	8,008	8,813	8,200	10,123	12,210	Switzerland.
25,822	58,287	56,437	57,890	90,485	66,995	92,000	109,487	7. Northeastern
	2,081	1,417	1,389	1,584	823	918	960	Estonia.
3,031	10,442	11,214	9,378	12,801	12,010	10,488	18,742	Finland.
	3,047	5,285	1,128	1,305	727	1,029	1,070	Latvia.
	67	105	102	43	88	218	835	Lithuania.
	10,881	12,111	4,581	6,556	3,039	9,261	15,876	Poland and Danzig.
23,456	31,749	6,305	41,314	68,196	48,499	64,089	72,504	Soviet Russia in Europe.
96,451	268,107	239,102	268,188	204,679	240,199	219,496	263,859	8. Southwestern
214	937	495	886	1,144	1,280	1,046	731	Azores and Madeira Islands.
473	3,412	615	907	1,345	1,677	1,450	1,619	Gibraltar.
65,960	185,237	167,532	187,146	205,151	167,402	131,661	162,125	Italy.
3,610	8,005	8,595	8,085	8,733	11,634	10,672	12,771	Portugal.
20,189	70,465	61,862	71,163	79,203	68,206	73,776	86,613	Spain.
5,083	30,943	18,901	22,229	24,109	18,433	26,909	26,521	9. Southeastern
165	745	613	332	302	368	408	649	Bulgaria.
873	17,163	11,900	13,722	16,633	10,363	15,023	13,853	Greece.
378	1,381	1,067	1,259	1,192	1,312	1,112	805	Malta, Gozo, and Cyprus Islands.
1,415	2,400	1,178	1,192	2,199	3,111	4,925	9,431	Rumania.
2,225	8,058	2,947	2,943	2,773	2,510	3,380	3,380	Turkey in Europe.
12	1,198	1,066	481	1,001	789	999	1,733	Yugoslavia and Albania.
121,042	498,853	511,498	514,692	486,592	564,543	559,605	664,514	Asia
2,800	8,047	4,565	5,503	7,074	6,122	7,478	11,909	10. Western.
1,345	1,099	950	471	589	549	587	516	Aden.
	362	350	330	600	1,043	400	322	Arabia.
	3,129	2,488	3,084	4,779	3,360	633	704	Iraq.
	132	950	245	837	754	1,088	1,506	Palestine.
1,123	2,508	2,523	722	607	417	2,647	3,078	Syria.
						1,569	1,531	Persia.
						647	4,242	Turkey in Asia.
46,613	119,137	103,708	120,012	135,161	106,770	184,987	138,985	11. Southern and South-eastern.
10,904	38,188	30,250	34,901	35,282	50,013	63,297	53,604	British India.
413	1,453	1,501	1,589	2,386	2,858	2,674	2,740	Ceylon.
2,876	8,030	7,724	7,801	11,388	13,503	13,624	11,816	British Malaya.
(16)	(16)	8,997	6,629	13,649	17,407	23,568	25,316	Java and Madura.
3,093	17,242	3,003	4,950	5,665	10,202	8,579	9,129	Other Netherland East Indies.

No. 528.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MER

[All figures in

Country	Imports							
	1910-1914, average	1921-1925, average	1923	1924	1925	1926	1927	1928
Asia—Continued.								
11. Southern and Southeastern—Continued.								
French Indo-China.....	1	235	806	171	100	197	142	34
Philippine Islands.....	19,430	80,108	77,724	97,088	111,819	103,797	115,980	115,609
Siam.....	110	301	222	307	770	633	670	254
Other Asia.....	68	94	105	50	208	414	174	-----
12. Eastern.....								
China.....	125,208	496,575	559,116	476,939	574,743	559,275	571,990	541,085
Hong Kong.....	36,523	142,035	187,002	117,888	168,030	143,204	161,630	139,951
Kwantung.....	3,054	15,937	10,861	16,490	17,780	11,203	14,735	13,567
Japan.....	98	2,739	4,386	2,442	8,527	3,406	2,688	3,021
Soviet Russia in Asia.....	84,999	335,354	345,995	340,005	884,159	400,693	402,105	384,450
	1,734	480	1,272	24	332	610	738	70
13. Oceania.....								
Australia.....	17,276	53,994	59,200	48,945	77,808	69,355	54,531	53,450
New Zealand.....	12,312	37,534	41,039	32,808	55,110	45,738	38,627	31,577
British Oceania.....	3,758	13,821	15,573	13,525	19,734	18,820	12,671	19,208
French Oceania.....	118	804	1,000	640	625	1,454	1,009	1,182
Other Oceania.....	1,048	1,459	1,457	1,750	1,871	2,337	2,164	1,433
	40	280	81	147	468	-----	-----	-----
Africa.....								
	22,573	71,469	87,061	72,992	92,144	96,420	93,255	90,207
14. Mediterranean.....								
Algeria and Tunisia.....	18,069	36,232	41,854	32,711	44,999	39,379	39,338	35,619
Canary Islands.....	¹³ 783	¹² 2,000	2,372	1,057	2,033	3,154	4,350	4,938
Egypt.....	130	259	235	193	282	404	652	856
Italian Africa.....	10,887	33,471	38,800	30,095	41,025	35,215	34,292	28,697
Morocco.....	104	21	83	1	2	1	11	22
Spanish Africa, n. e. s.....	232	394	358	465	737	542	731	1,130
	-----	-----	-----	-----	-----	-----	-----	-----
16. Other Africa.....								
Ethiopia.....	4,477	35,267	45,207	40,281	47,145	57,042	53,917	54,588
Belgian Congo.....	1	2	(¹⁵)	2	-----	14	28	20
British Africa—	7	909	973	1,180	1,824	1,097	16,015	15,729
West.....	¹⁴ 749	12,843	17,497	12,106	17,349	19,794	23,945	22,168
Union of South Africa.....	2,463	9,292	13,423	7,727	9,215	19,827	8,742	9,120
Other British South Africa.....	-----	-----	-----	-----	-----	-----	-----	61
East.....	942	1,750	1,578	1,057	3,344	2,258	1,614	2,810
Liberia.....	2	29	18	5	77	280	302	104
Madagascar.....	33	207	150	231	525	271	198	217
French Africa, n. e. s.....	(¹⁴)	^{14,12} 775	524	920	1,233	1,199	1,630	1,201
Portuguese Africa.....	280	9,615	-----	-----	-----	-----	-----	-----
Mozambique.....	-----	-----	3,139	4,924	13,444	11,563	1,309	3,071
Other.....	-----	-----	7,851	11,424	54	141	173	81
Latin America (groups 2, 3, 4, and 5).....	435,478	935,569	1,050,580	1,059,183	1,040,539	1,094,040	1,019,233	1,030,153
Far East (groups 11, 12, 13)....	262,233	975,594	1,061,413	957,317	1,367,967	1,442,823	1,284,416	1,180,587

¹ See headnote and Table 522.² Average, 1911-1914.³ Irish Free State is included in United Kingdom prior to 1925.⁴ 1925 only.⁵ Figures given under Austria are for Austria-Hungary.⁶ Includes Ukraine.⁷ Serbia and Montenegro.⁸ Includes Greece in Asia and Armenia and Kurdistan.

COMMERCE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Exports (including reexports)								Country
1910-1914, average	1921-1925, average	1923	1924	1925	1926	1927	1928	
								Asia—Continued.
243	1,079	2,041	787	1,371	2,190	1,427	1,738	11. Southern and Southeastern—Continued.
22,590	51,927	49,241	59,519	61,062	68,648	69,522	79,805	French Indo-China.
481	1,199	799	925	1,444	1,852	940	2,638	Philippino Islands.
1	19	4	11	14	37	54	103	Siam.
77,829	371,669	403,226	369,077	344,367	391,651	367,440	456,629	Other Asia.
21,678	104,175	108,595	109,189	94,442	110,205	83,471	137,061	12. Eastern.
0,137	17,819	17,010	17,476	14,309	12,819	18,866	21,977	China.
076	0,735	8,700	8,614	5,267	6,466	6,608	5,246	Hong Kong.
45,280	241,877	266,940	253,000	229,642	280,764	257,570	288,158	Kwantung.
1,148	1,072	1,312	789	710	1,407	836	1,687	Japan.
47,718	141,426	149,423	158,505	189,489	212,705	193,714	180,033	Soviet Russia in Asia.
38,722	111,273	119,380	125,178	148,524	168,695	150,124	141,440	13. Oceania.
7,701	28,193	25,293	29,306	33,363	41,575	32,517	35,825	Australia.
290	606	441	581	1,066	1,425	1,156	1,500	New Zealand.
754	1,065	1,044	1,216	1,215	1,011	917	1,259	British Oceania.
153	284	267	225	322				French Oceania.
24,638	60,729	60,671	70,294	89,057	101,279	107,088	116,713	Other Oceania.
								Africa.
4,014	20,830	19,362	15,595	13,200	23,873	25,145	27,898	14. Mediterranean.
12,357	17,329	5,585	5,525	5,652	6,669	6,853	8,725	Algeria and Tunisia.
752	2,110	1,685	2,001	1,080	3,333	2,343	3,259	Canary Islands.
1,088	8,221	6,174	5,806	7,394	10,249	11,182	11,059	Egypt.
50	63	47	31	95	15	66	80	Italian Africa.
17	2,445	2,112	1,570	2,391	2,313	3,296	3,600	Morocco.
19,724	48,899	44,309	54,639	70,857	77,401	81,943	88,845	Spanish Africa, n. e. s.
34	409	322	498	787	1,233	729	771	15. Other Africa.
14,189	7,835	8,127	8,000	10,688	9,913	13,777	13,454	Ethiopia.
12,910	31,360	28,401	30,020	40,162	51,080	52,480	57,016	Belgian Congo.
							2,077	British Africa—
708	2,306	1,465	2,562	3,840	3,977	4,843	4,890	West.
90	213	175	209	329	389	756	597	Union of South Africa.
18	130	80	139	168	287	300	313	Other British South Africa.
(13) 2,770	11,115 2,350	1,855	2,600	3,250	4,066	2,028	3,363	East.
	4,087	3,157	3,946	4,907	4,959	4,872	5,008	Liberia.
		703	695	713	1,492	1,174	1,345	Madagascar.
								French Africa, n. e. s.
								Portuguese Africa.
								Mozambique.
								Other.
802,233	741,892	694,979	770,416	882,319	872,305	845,879	878,010	Latin America (groups 2, 3, 4, and 5).
166,158	632,232	653,367	665,594	669,007	771,126	745,841	822,847	Far East (groups 11, 12, 13).

⁹ Other British East Indies prior to 1922.

¹⁰ Included in other Netherlands East Indies.

¹¹ Includes Far Eastern Republic.

¹² Figures given under Algeria and Tunisia include French Africa, n. e. s., for years prior to 1922.

¹³ Less than \$500.

¹⁴ Includes Kamerun.

¹⁵ Average, 1922-1925.

No. 529.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY GROUPS OF CUSTOMS DISTRICTS

Note.—Fiscal years to and including 1915; thereafter, calendar years. All figures except export figures for 1885 and 1870-1878 represent specie values; exports for those years represent mixed gold and currency values and hence do not agree with the specie values given for total exports in other tables. Exports and imports of the interior districts, a small percentage of the total (see Table 681), are not included in this table

[All figures in thousands of dollars]

Year or yearly average	Atlantic coast		Gulf coast		Mexican border		Pacific coast		Northern border	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	160, 216	304, 577	158, 689	22, 303	1, 012	528	4, 081	7, 372	13, 088	18, 836
1865	267, 459	193, 741	3, 622	1, 470			10, 005	16, 949	10, 228	27, 580
1870	293, 440	370, 014	146, 020	10, 500	2, 213	950	14, 647	16, 241	1, 5043	31, 639
1871-1875	390, 885	501, 968	122, 677	20, 099	2, 719	1, 440	21, 581	26, 039	22, 318	28, 328
1876-1880	683, 477	426, 404	107, 452	12, 430	3, 114	1, 707	33, 406	30, 320	25, 028	22, 703
1881-1885	689, 552	572, 700	114, 719	13, 834	4, 431	2, 200	50, 742	40, 285	32, 049	37, 141
1886-1890	648, 775	594, 176	112, 611	14, 264	3, 040	6, 413	42, 352	46, 455	31, 000	43, 514
1891-1895	655, 100	651, 233	140, 229	21, 407	8, 597	9, 619	44, 200	40, 683	44, 235	48, 245
1896-1900	813, 139	611, 207	188, 587	18, 350	15, 051	4, 570	60, 712	49, 027	79, 727	50, 247
1901-1905	923, 853	776, 744	267, 581	37, 652	25, 364	12, 931	81, 029	55, 747	126, 276	76, 141
1906-1910	1, 058, 483	1, 052, 150	408, 056	60, 901	33, 074	10, 989	80, 229	82, 515	132, 242	112, 767
1911-1915	1, 504, 240	1, 278, 958	513, 900	100, 153	22, 785	24, 708	135, 718	128, 019	295, 493	159, 878
1916-1920	4, 234, 948	2, 245, 780	946, 560	185, 341	49, 361	41, 471	449, 906	429, 557	840, 369	432, 185
1921-1925	2, 207, 289	2, 296, 418	1, 089, 692	233, 228	78, 826	17, 117	674, 002	421, 082	663, 701	450, 922
1884	542, 780	583, 397	110, 109	12, 048	4, 042	1, 915	46, 365	37, 184	36, 680	32, 254
1885	603, 743	481, 845	97, 798	10, 820	2, 625	2, 422	47, 923	36, 980	30, 101	41, 845
1886	505, 302	538, 642	105, 431	10, 052	2, 095	3, 730	39, 824	38, 704	20, 813	43, 909
1887	538, 943	578, 040	104, 220	11, 969	2, 654	5, 089	41, 414	42, 223	28, 943	40, 793
1888	522, 696	595, 770	104, 674	13, 805	3, 443	5, 712	36, 314	40, 187	28, 826	51, 263
1889	548, 011	609, 888	107, 000	17, 289	4, 401	8, 182	48, 847	51, 171	33, 543	51, 090
1890	628, 866	663, 535	141, 120	17, 821	5, 805	9, 353	45, 361	50, 993	36, 876	49, 540
1891	637, 454	697, 955	151, 941	23, 214	7, 541	11, 106	52, 528	53, 581	34, 962	49, 584
1892	758, 107	689, 468	174, 686	21, 750	6, 993	12, 501	55, 829	49, 988	50, 666	45, 010
1893	624, 278	717, 360	125, 592	24, 682	12, 152	13, 826	42, 230	48, 815	43, 413	52, 923
1894	670, 269	537, 644	127, 788	20, 681	7, 345	8, 226	54, 509	41, 241	53, 143	41, 095
1895	560, 393	613, 737	122, 138	16, 700	8, 955	2, 435	30, 001	40, 290	42, 991	51, 017
1896	685, 842	645, 204	131, 320	17, 548	10, 984	3, 687	44, 071	49, 174	60, 390	56, 153
1897	733, 209	639, 407	181, 209	19, 991	13, 999	4, 135	68, 925	43, 000	63, 690	50, 096
1898	802, 325	502, 146	201, 818	13, 063	12, 135	5, 065	74, 188	60, 264	80, 481	46, 478
1899	870, 755	676, 163	194, 390	17, 483	15, 820	4, 632	66, 204	45, 876	80, 904	30, 588
1900	965, 569	693, 113	234, 108	23, 693	22, 320	5, 373	70, 175	58, 910	104, 267	59, 948
1901	1, 002, 841	700, 622	285, 405	26, 670	21, 147	10, 142	90, 534	48, 203	107, 939	57, 120
1902	895, 445	724, 371	263, 079	31, 077	24, 231	13, 704	87, 515	54, 301	111, 441	67, 756
1903	903, 172	821, 252	285, 021	38, 378	25, 936	13, 377	79, 253	56, 475	125, 759	82, 054
1904	397, 160	778, 237	334, 795	43, 624	20, 201	12, 450	65, 723	67, 469	133, 242	83, 744
1905	917, 856	888, 239	319, 544	48, 210	20, 245	14, 081	103, 122	62, 257	152, 300	90, 030
1906	1, 061, 778	974, 563	368, 723	53, 934	34, 925	16, 945	101, 770	66, 324	175, 665	97, 928
1907	1, 079, 770	1, 133, 032	469, 273	62, 908	41, 101	18, 001	92, 030	91, 140	195, 674	109, 172
1908	1, 155, 761	907, 185	306, 862	59, 341	33, 101	10, 869	94, 207	81, 982	181, 147	114, 874
1909	976, 903	1, 018, 847	409, 631	50, 560	27, 130	16, 178	69, 946	85, 902	170, 329	112, 690
1910	1, 018, 144	1, 227, 165	369, 100	65, 705	29, 106	22, 611	73, 189	88, 057	225, 398	120, 123
1911	1, 160, 409	1, 163, 540	487, 929	82, 148	30, 337	20, 512	94, 261	102, 703	260, 890	137, 724
1912	1, 282, 679	1, 268, 101	495, 974	92, 245	27, 194	22, 614	127, 542	111, 488	322, 371	177, 892
1913	1, 348, 811	1, 375, 850	543, 677	103, 612	24, 903	27, 060	146, 850	128, 805	401, 968	153, 613
1914	1, 304, 109	1, 374, 621	556, 388	120, 372	16, 639	32, 803	139, 243	138, 151	341, 183	205, 273
1915	1, 739, 159	1, 212, 660	508, 435	102, 388	14, 801	20, 501	173, 680	158, 858	532, 020	104, 807
1915 (6 mos.)	1, 303, 840	638, 241	223, 556	44, 396	9, 700	13, 024	97, 319	105, 007	218, 331	105, 396
1916	3, 826, 421	1, 554, 404	624, 381	114, 298	23, 501	42, 070	330, 024	204, 073	670, 419	283, 982
1917	4, 287, 541	1, 795, 340	658, 341	144, 470	48, 420	40, 144	390, 024	689, 336	844, 186	404, 061
1918	3, 768, 942	1, 820, 544	776, 176	150, 390	47, 550	52, 414	538, 987	508, 563	1, 027, 428	408, 316
1919	5, 211, 140	2, 628, 614	1, 235, 148	220, 298	58, 021	85, 195	690, 000	463, 137	817, 110	549, 496
1920	4, 604, 006	3, 801, 048	1, 083, 476	330, 513	84, 220	38, 345	511, 233	391, 483	1, 044, 482	665, 769
1921	2, 878, 557	1, 726, 498	1, 077, 736	158, 231	103, 543	10, 113	311, 005	190, 303	614, 591	408, 411
1922	1, 938, 344	2, 024, 214	914, 466	188, 420	57, 012	11, 300	312, 357	430, 152	600, 598	460, 260
1923	2, 070, 261	2, 534, 277	991, 894	237, 570	59, 564	20, 155	371, 672	480, 670	674, 231	485, 843
1924	2, 245, 662	2, 357, 723	1, 104, 452	231, 881	73, 253	20, 343	447, 311	477, 302	638, 940	441, 717
1925	2, 408, 650	2, 839, 389	1, 295, 444	300, 038	75, 769	23, 078	427, 475	520, 960	883, 937	507, 373
1926	2, 308, 548	2, 953, 131	1, 120, 944	325, 614	72, 831	26, 817	518, 888	540, 102	759, 473	543, 493
1927	2, 297, 143	2, 774, 503	1, 100, 618	285, 873	77, 120	27, 023	506, 125	510, 569	866, 284	555, 002
1928	2, 290, 374	2, 677, 130	1, 227, 717	284, 576	95, 464	30, 394	561, 007	604, 995	924, 741	564, 113

¹Period July 1, 1915, to Dec. 31, 1920.

No. 580.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS

NOTE.—All figures in thousands of dollars. Fiscal years to and including 1915; thereafter, calendar years. Figures represent specie values except for exports for years 1885 and 1870-1878. Areas of districts were rearranged July 1, 1913. Prior to that date some of the districts were more restricted. However in most cases, this change only slightly affects the comparability of the figures. Prior to 1914 the statistics given in the table for Buffalo include the (former) districts of Buffalo Creek and Niagara; those for Michigan include the (former) districts of Superior, Huron, and Detroit; and those for Massachusetts and Maryland were the former districts of Boston and Baltimore, respectively. See also headnote, Table 529

Year or yearly average	Massachusetts		New York		Philadelphia		Maryland		Georgia	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	12, 748	30, 334	80, 048	231, 310	5, 527	14, 612	8, 940	9, 781	18, 352	782
1865	19, 862	24, 890	202, 509	152, 249	11, 053	7, 038	12, 141	4, 816		
1870	14, 126	47, 484	196, 615	281, 049	16, 928	14, 483	14, 511	19, 512	29, 747	1, 002
1871-1875	25, 334	59, 165	257, 564	383, 499	24, 007	22, 809	21, 531	27, 966	30, 749	807
1876-1880	47, 545	45, 732	321, 990	331, 362	45, 503	24, 360	50, 007	19, 098	20, 691	484
1881-1885	64, 752	64, 084	357, 502	453, 943	39, 145	52, 807	51, 007	18, 801	22, 191	702
1886-1890	61, 519	62, 691	322, 030	467, 009	39, 442	44, 150	51, 657	12, 898	22, 619	354
1891-1895	83, 827	68, 510	300, 521	503, 284	43, 432	67, 017	75, 026	14, 873	25, 020	887
1896-1900	110, 895	60, 025	433, 950	477, 123	56, 405	43, 284	98, 726	12, 390	27, 214	377
1901-1905	102, 378	80, 132	511, 404	597, 139	73, 588	53, 972	88, 505	22, 211	51, 084	933
1906-1910	88, 467	113, 207	639, 080	798, 318	88, 842	74, 278	91, 931	30, 252	60, 781	2, 352
1911-1915	76, 794	141, 012	913, 312	975, 410	74, 238	86, 261	107, 095	30, 196	84, 022	4, 882
1916-1920	217, 239	273, 049	2, 012, 529	1, 703, 482	415, 261	144, 849	320, 396	42, 282	139, 812	16, 745
1921-1925	55, 569	267, 227	1, 611, 328	1, 675, 784	117, 833	182, 857	113, 906	77, 686	71, 832	19, 714
1884	63, 498	65, 800	329, 833	465, 120	36, 493	33, 667	43, 079	11, 424	19, 947	652
1885	62, 000	53, 416	344, 516	380, 078	38, 723	29, 919	46, 063	11, 850	20, 871	653
1886	64, 069	58, 431	314, 329	419, 339	33, 753	30, 561	35, 848	11, 097	20, 305	426
1887	59, 002	61, 018	310, 347	456, 099	35, 427	39, 952	51, 607	12, 536	23, 783	202
1888	56, 457	63, 808	310, 627	470, 427	28, 840	41, 772	46, 237	11, 742	20, 256	294
1889	66, 834	60, 731	319, 839	472, 154	29, 775	48, 529	50, 612	15, 224	17, 865	374
1890	71, 202	62, 877	349, 052	516, 427	37, 411	53, 936	73, 984	13, 140	30, 884	472
1891	77, 020	71, 213	346, 529	537, 786	33, 674	59, 428	64, 412	20, 559	33, 506	516
1892	87, 176	71, 780	413, 053	536, 838	58, 541	60, 007	98, 850	13, 419	25, 704	302
1893	85, 460	70, 353	347, 396	548, 559	49, 402	60, 122	71, 507	16, 151	19, 840	338
1894	83, 972	58, 309	369, 146	415, 706	40, 501	53, 727	78, 422	11, 979	25, 527	326
1895	85, 505	66, 889	325, 580	477, 741	35, 043	48, 803	61, 939	12, 261	20, 624	426
1896	95, 851	79, 180	354, 275	499, 933	39, 567	43, 841	66, 399	13, 477	21, 409	274
1897	100, 867	90, 178	391, 680	480, 604	47, 805	48, 073	85, 693	11, 371	23, 443	416
1898	117, 532	51, 475	445, 516	402, 281	56, 244	31, 420	118, 846	8, 907	28, 938	392
1899	128, 037	52, 098	465, 444	405, 560	60, 950	41, 223	107, 155	9, 151	24, 030	376
1900	112, 196	72, 196	518, 894	537, 237	78, 406	51, 866	115, 530	19, 045	38, 252	430
1901	143, 708	61, 452	529, 593	527, 260	70, 354	48, 043	106, 239	18, 899	46, 739	645
1902	102, 404	71, 921	490, 362	559, 031	80, 833	47, 750	80, 553	22, 826	41, 625	572
1903	98, 126	86, 311	505, 830	618, 706	73, 532	59, 995	81, 704	27, 803	54, 141	1, 037
1904	89, 846	80, 658	500, 808	600, 171	71, 393	53, 890	82, 836	20, 346	53, 770	924
1905	87, 804	100, 318	524, 726	679, 629	63, 278	60, 181	91, 215	21, 181	62, 245	1, 489
1906	98, 704	106, 442	607, 160	734, 351	82, 564	70, 801	106, 925	30, 085	64, 840	1, 503
1907	100, 872	124, 433	627, 950	853, 697	94, 832	79, 870	104, 809	37, 774	63, 040	2, 204
1908	96, 051	93, 679	701, 063	688, 216	109, 261	93, 432	89, 989	20, 477	61, 695	2, 044
1909	76, 158	112, 473	607, 239	779, 309	84, 280	68, 884	77, 551	24, 022	50, 900	2, 152
1910	70, 517	129, 006	651, 936	935, 091	73, 286	88, 403	77, 382	29, 901	63, 428	3, 865
1911	71, 534	116, 597	772, 552	881, 593	69, 056	83, 027	85, 121	32, 174	72, 076	5, 297
1912	69, 692	129, 293	817, 046	978, 744	69, 070	85, 038	92, 211	26, 438	104, 287	5, 130
1913	69, 553	144, 599	917, 936	1, 048, 321	76, 815	93, 210	116, 474	32, 895	55, 235	4, 462
1914	65, 715	159, 016	864, 546	1, 040, 351	65, 183	96, 453	109, 690	34, 489	110, 595	6, 270
1915	107, 476	152, 654	1, 193, 581	931, 011	90, 660	127, 948	131, 978	24, 363	74, 919	3, 251
1916 (6 mos.)	53, 707	81, 945	1, 026, 310	498, 617	77, 689	31, 420	57, 647	11, 938	20, 262	859
1916	183, 953	202, 900	2, 790, 403	1, 257, 185	317, 134	111, 411	201, 168	38, 942	68, 638	1, 684
1917	208, 532	220, 404	2, 901, 138	1, 361, 662	502, 224	102, 244	377, 376	36, 903	107, 777	4, 888
1918	221, 315	205, 915	2, 560, 857	1, 294, 416	425, 072	115, 011	300, 717	35, 963	111, 691	15, 001
1919	334, 457	290, 305	3, 466, 329	2, 064, 654	519, 594	183, 819	353, 713	38, 900	258, 682	15, 397
1920	192, 802	392, 763	3, 283, 873	2, 892, 621	442, 250	232, 763	351, 657	69, 324	202, 014	54, 269
1921	60, 251	164, 922	1, 730, 256	1, 332, 265	130, 672	122, 302	142, 810	41, 124	64, 124	9, 986
1922	50, 545	238, 607	1, 375, 396	1, 484, 685	125, 477	154, 332	124, 941	60, 069	67, 673	14, 072
1923	62, 159	307, 288	1, 518, 892	1, 797, 820	106, 500	219, 710	93, 436	91, 836	51, 493	28, 928
1924	57, 346	253, 852	1, 657, 999	1, 690, 003	106, 444	202, 597	100, 172	100, 494	77, 337	22, 666
1925	47, 494	321, 667	1, 474, 436	2, 074, 149	119, 064	215, 343	108, 614	94, 906	68, 534	22, 917
1926	41, 283	305, 879	1, 062, 538	2, 224, 964	97, 005	195, 823	129, 348	106, 241	104, 594	19, 490
1927	42, 181	288, 499	1, 726, 110	2, 042, 733	90, 911	204, 500	101, 323	108, 967	97, 228	18, 056
1928	45, 470	276, 512	1, 769, 904	1, 950, 058	88, 424	215, 692	98, 974	110, 026	60, 199	18, 394

Period July 1, 1915, to Dec. 31, 1920.

No. 530.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS—Continued

[All figures in thousands of dollars]

Year or yearly average	New Orleans		Galveston		Buffalo		Chicago		Michigan	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	108,105	20,630	5,772	533	3,049	4,860	1,165	60	8,827	961
1866	5,522	1,464			901	7,118	4,590	811	2,877	1,441
1870	107,587	14,877	14,874	500	363	9,275	2,613	730	3,110	1,730
1871-1875	90,875	16,604	15,768	1,012	789	7,145	5,058	611	6,314	2,401
1876-1880	78,594	9,793	15,214	1,155	678	5,079	3,359	474	9,015	2,994
1881-1885	86,105	10,083	21,011	1,082	412	8,364	3,223	2,717	13,969	5,138
1886-1890	87,050	11,707	18,319	608	458	9,280	2,013	12,260	16,964	5,376
1891-1895	63,028	18,583	30,797	776	4,073	7,060	3,054	15,853	16,729	6,081
1896-1900	99,832	13,333	65,432	1,386	15,077	0,030	4,700	12,030	26,018	5,009
1901-1905	147,174	28,215	114,840	2,055	30,760	8,465	5,049	18,150	30,045	7,973
1906-1910	153,171	45,945	185,524	4,717	47,433	12,532	4,534	24,769	62,739	13,426
1911-1915	179,038	78,868	241,284	7,611	82,712	24,321	10,341	32,000	102,300	20,907
1916-1920 ¹	428,107	149,070	346,684	5,680	188,686	58,161	21,370	40,133	294,376	61,803
1921-1925	361,342	167,731	523,904	30,066	162,000	77,517	27,661	40,060	211,729	76,859
1884	81,868	10,785	20,455	1,120	445	7,364	2,900	618	16,708	4,369
1885	79,148	8,089	12,679	1,167	467	8,687	2,083	9,618	14,746	4,346
1886	82,500	8,115	16,967	757	410	8,766	2,310	10,182	12,492	5,052
1887	79,520	9,652	18,003	705	450	9,545	1,461	11,704	14,172	5,032
1888	81,257	11,618	15,703	716	478	10,367	1,632	12,721	18,045	6,354
1889	83,820	14,402	15,670	728	459	11,230	2,181	13,106	18,013	5,807
1890	108,127	14,658	24,447	410	588	9,726	2,481	13,600	19,390	5,389
1891	106,107	20,267	33,772	648	732	8,809	2,340	15,363	16,510	5,988
1892	181,253	18,610	35,386	1,317	730	7,088	3,678	14,079	17,028	5,297
1893	77,888	21,790	37,470	863	3,022	7,511	4,084	18,448	16,903	6,977
1894	81,620	18,088	35,012	981	0,246	4,478	3,610	15,486	16,700	6,284
1895	98,413	13,802	41,887	870	9,688	0,868	1,558	15,063	10,004	5,915
1896	80,087	13,471	30,397	608	10,790	5,068	1,263	15,640	22,028	6,050
1897	101,494	16,610	38,198	779	10,818	7,189	2,310	11,628	22,273	6,381
1898	112,827	9,004	68,420	1,166	14,951	5,385	7,480	10,141	23,966	5,002
1899	87,993	11,918	78,477	2,921	14,670	5,440	7,675	12,154	28,726	4,657
1900	115,859	17,491	85,658	1,454	24,206	0,960	5,212	15,310	32,550	5,358
1901	152,777	20,462	101,867	954	23,620	6,720	10,030	14,532	33,742	6,222
1902	134,487	23,763	95,722	609	25,129	5,003	10,861	34,735	7,630	
1903	146,073	28,881	104,121	1,511	28,009	8,973	4,551	20,122	46,328	8,566
1904	148,595	34,037	146,316	1,848	35,601	7,080	2,322	21,688	41,688	8,480
1905	150,937	33,933	126,182	4,002	40,755	10,413	3,221	18,145	44,738	8,067
1906	150,479	39,465	166,318	5,019	44,267	10,132	2,581	22,210	57,750	10,908
1907	170,562	46,047	237,308	7,029	48,750	11,744	4,013	25,017	64,855	11,515
1908	150,456	42,789	161,352	5,604	40,480	11,310	4,925	20,172	61,108	14,537
1909	144,982	45,713	180,484	3,365	42,801	13,066	4,775	23,671	60,161	14,172
1910	140,377	55,712	173,170	2,488	55,100	16,563	6,529	20,761	69,794	15,909
1911	172,835	68,722	220,505	3,531	67,279	18,973	6,916	30,580	81,898	17,081
1912	140,161	75,090	218,146	4,310	81,543	20,503	7,655	28,749	96,041	19,815
1913	160,980	82,390	281,468	7,821	103,103	20,405	4,899	32,637	112,641	19,687
1914	193,849	90,383	255,708	12,245	87,076	30,300	8,638	38,631	102,673	26,347
1915	209,378	70,745	230,392	10,148	74,960	31,416	23,665	29,498	117,747	24,950
1915 (6 mos.)	91,583	35,970	92,370	2,814	50,015	20,120	7,835	14,018	34,852	14,225
1916	266,062	92,041	252,545	8,373	184,619	41,421	3,990	20,000	222,063	32,575
1917	320,391	116,249	220,229	13,979	212,820	105,612	4,419	27,008	279,143	54,131
1918	306,097	124,253	226,334	14,013	208,340	99,915	60,019	40,301	370,168	57,221
1919	603,073	177,286	467,133	17,704	199,951	96,378	6,524	45,804	297,020	74,896
1920	712,380	274,073	640,253	30,730	237,930	121,430	25,800	64,504	356,220	107,351
1921	423,043	110,283	452,911	18,858	154,101	50,241	45,230	41,401	177,091	63,052
1922	363,282	120,759	417,142	21,190	144,029	60,283	38,508	40,914	205,977	65,442
1923	301,416	171,020	539,540	32,062	178,818	70,310	13,997	45,555	235,500	90,019
1924	411,091	205,074	379,609	41,487	156,255	72,247	26,415	45,730	195,002	81,637
1925	467,279	221,023	639,418	35,862	177,764	118,490	14,259	50,030	252,274	84,247
1926	413,793	238,805	633,825	38,006	191,674	125,008	17,843	50,478	272,375	101,682
1927	370,607	211,694	554,803	35,883	219,904	137,036	17,718	61,586	270,007	91,314
1928	375,837	211,783	682,340	30,801	223,938	144,028	9,002	50,381	328,439	92,009

¹ Period July 1, 1916, to Dec. 31, 1920.

No. 530.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS—Continued.

[All figures in thousands of dollars]

Year or yearly average	San Francisco		Washington		Year or yearly average	San Francisco		Washington	
	Ex-ports	Im-ports	Ex-ports	Im-ports		Ex-ports	Im-ports	Ex-ports	Im-ports
1860	4,868	7,367	68	-----	1899	30,215	35,747	15,200	7,240
1865	9,988	15,802	633	12	1900	40,368	47,870	17,008	7,149
1870	18,992	15,983	428	35	1901	34,507	35,162	20,679	6,721
1871-1875	19,476	25,459	407	30	1902	38,184	35,103	33,789	11,071
1876-1880	27,718	29,798	486	33	1903	33,503	30,464	32,600	12,177
1881-1885	41,740	39,109	1,647	09	1904	32,547	37,543	22,730	11,285
1886-1890	33,036	44,844	2,708	417	1905	49,924	40,670	43,843	7,378
1891-1895	32,365	43,557	5,627	1,068	1906	30,915	44,433	49,285	13,614
1896-1900	36,607	40,443	13,048	6,399	1907	33,027	54,095	43,650	25,353
1901-1905	37,751	38,188	30,708	9,007	1908	28,000	48,251	44,033	22,239
1906-1910	32,758	49,228	35,567	23,409	1909	31,609	49,998	25,788	26,990
1911-1915	60,164	63,760	67,711	50,200	1910	31,181	49,351	30,121	28,910
1915-1920 ¹	186,317	197,613	222,702	206,802	1911	40,625	53,585	39,361	36,655
1921-1925	155,275	155,500	110,301	214,213	1912	49,260	59,235	63,746	39,011
1894	37,051	35,858	1,955	133	1913	66,021	62,502	62,548	51,474
1895	38,110	35,040	3,185	238	1914	63,375	67,111	55,012	55,392
1896	30,228	37,142	2,123	661	1915	81,501	76,068	67,888	68,467
1897	32,711	40,705	1,770	348	1915 (6 mos.)	41,807	42,200	46,161	55,933
1898	27,655	40,698	2,251	407	1916	126,758	117,123	200,448	161,760
1899	37,078	43,426	4,060	362	1917	175,130	231,079	196,932	289,078
1890	36,376	48,751	3,320	305	1918	214,695	245,519	206,106	300,054
1891	40,169	50,943	5,729	477	1919	240,518	238,027	292,274	195,019
1892	40,787	47,130	6,566	573	1920	225,823	211,923	192,880	134,079
1893	31,144	45,291	5,003	840	1921	120,111	97,129	90,327	85,539
1894	24,903	33,147	4,942	1,230	1922	145,099	170,815	90,071	213,213
1895	24,373	30,270	5,805	2,222	1923	160,432	166,635	118,088	262,156
1896	31,633	41,400	6,855	5,484	1924	173,442	146,335	134,780	270,284
1897	39,643	34,376	11,805	7,066	1925	183,232	196,537	129,557	261,370
1898	41,224	42,823	17,919	5,058	1926	186,773	210,139	147,570	261,880
					1927	174,555	199,909	129,513	239,284
					1928	201,265	198,275	150,817	229,024

¹ Period July 1, 1915, to Dec. 31, 1920.

No. 581.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, AND DUTIES COLLECTED, BY CUSTOMS DISTRICTS

NOTE.—“Duties collected” are as reported to the Treasury Department by collectors, subject in certain cases to subsequent refund as well as drawback. Those figures are somewhat higher than duties as calculated on the basis of imports for consumption as shown in Table 515

[All figures in thousands of dollars]

Customs district	Exports, domestic and foreign			Imports			Duties collected
	1926	1927	1928	1926	1927	1928	1928
Total	4,808,660	4,865,375	5,128,369	4,480,888	4,184,742	4,091,444	561,884
North Atlantic coast	1,812,269	1,868,484	1,912,048	2,773,089	2,580,046	2,482,631	411,006
Maine and New Hampshire.....	11,315	9,142	8,141	31,187	30,346	28,584	1,408
Massachusetts.....	41,283	42,181	45,470	306,870	288,499	276,512	86,086
Rhode Island.....	118	81	108	7,424	7,238	4,890	1,061
Connecticut.....	9	9	9	7,822	6,680	6,890	987
New York.....	1,062,538	1,720,110	1,709,904	2,224,924	2,042,783	1,950,058	324,311
Philadelphia.....	97,005	90,611	88,424	195,823	204,500	216,032	40,643
South Atlantic coast	490,289	428,709	378,329	180,068	194,467	194,499	32,686
Maryland.....	120,345	101,823	98,974	105,241	108,907	110,020	10,100
Virginia.....	209,520	174,229	182,595	21,500	28,022	32,818	5,563
North Carolina.....	9,763	12,288	11,178	8,001	20,546	7,881	8,277
South Carolina.....	35,485	36,082	18,981	12,007	11,702	12,554	600
Georgia.....	104,694	97,228	90,109	19,400	18,056	18,394	5,926
Porto Rico.....	7,580	7,568	6,368	12,066	11,264	13,320	1,211
Gulf coast	1,120,944	1,100,918	1,227,757	326,614	285,378	284,576	39,307
Florida.....	56,583	82,404	54,204	35,918	26,014	28,340	3,800
Mobile.....	42,157	54,011	48,860	9,717	8,808	10,319	693
New Orleans.....	418,793	370,607	375,837	238,805	211,684	211,733	25,420
Sabine.....	74,887	50,004	66,451	2,278	2,085	3,333	0
Galveston.....	533,525	554,893	682,340	88,900	35,883	30,801	9,070
Mexican border	72,851	77,120	95,494	20,317	27,623	30,394	2,958
San Antonio.....	46,892	56,633	75,152	4,000	5,801	6,715	858
El Paso.....	13,440	9,971	10,181	8,747	7,190	6,061	690
Arizona.....	13,484	10,516	10,182	12,880	14,541	17,598	1,404
Pacific coast	618,888	506,125	561,007	546,102	510,569	504,656	27,286
Washington.....	147,870	120,613	150,817	261,680	230,284	220,024	4,803
Oregon.....	78,494	78,733	63,879	13,714	14,208	12,124	1,322
San Francisco.....	186,773	174,656	201,265	210,130	190,099	198,275	12,549
Los Angeles.....	103,646	120,573	141,890	40,571	47,140	54,351	6,681
Alaska.....	522	484	624	544	700	550	28
Hawaii.....	1,884	2,268	2,524	10,254	9,172	10,361	1,895
Northern border	759,473	856,284	924,741	543,498	555,092	564,119	39,259
Vermont.....	55,063	50,628	61,080	47,131	47,680	54,005	1,739
St. Lawrence.....	72,432	76,544	77,087	128,408	132,392	127,984	2,115
Rochester.....	9,022	8,345	12,379	8,202	8,240	8,430	1,845
Buffalo.....	191,679	219,604	223,638	125,068	137,030	144,928	6,310
Ohio.....	31,300	31,978	35,385	22,809	10,203	23,657	4,286
Michigan.....	272,375	270,907	328,430	101,682	91,314	92,099	4,767
Chicago.....	17,843	17,718	9,002	60,478	51,685	50,381	15,698
Wisconsin.....	1,476	3,000	3,467	6,133	6,313	5,735	681
Duluth and Superior.....	47,683	101,141	84,265	20,425	22,310	23,583	418
Dakota.....	53,253	60,738	70,207	28,998	34,786	29,344	966
Montana and Idaho.....	6,736	9,312	9,364	3,498	2,733	3,103	301
Interior.....	.....	.....	.....	30,232	31,873	30,530	9,982
Pittsburgh.....	.....	.....	.....	11,350	8,098	7,385	2,401
Kentucky.....	.....	.....	.....	657	420	1,302	492
Tennessee.....	.....	.....	.....	1,403	478	543	145
Indiana.....	.....	.....	.....	1,551	1,955	1,793	617
Iowa.....	.....	.....	.....	250	192	169	86
Omaha.....	.....	.....	.....	953	1,471	682	649
St. Louis.....	.....	.....	.....	11,890	10,838	10,223	2,979
Minnesota.....	.....	.....	.....	6,759	7,274	7,413	1,570
Colorado.....	.....	.....	.....	1,308	872	918	271
Utah and Nevada.....	.....	.....	.....	105	76	99	52
Parcel post	27,977	27,785	29,014	.....	.....	.....	.....

¹ Total duties collected. This amount less the cost of collection is turned into the island treasury.

No. 532.—IN TRANSIT AND TRANSSHIPMENT TRADE OF THE UNITED STATES: BY CONTINENTS AND PRINCIPAL COUNTRIES

[Values in thousands of dollars]

Year ended Dec. 31	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
	North America		South America		Europe		Asia and Oceania	
1920	193,222	92,107	9,658	11,149	35,487	141,212	20,645	18,693
1921	194,954	41,950	6,023	6,810	19,884	175,432	17,258	12,720
1922	233,412	50,504	10,082	8,109	10,012	204,899	12,457	10,789
1923	208,846	70,536	14,978	15,325	28,245	240,098	17,189	21,822
1924	252,050	67,188	10,543	13,058	22,350	194,874	15,590	21,447
1925	332,984	68,471	15,753	28,100	27,274	262,640	15,054	25,832
1926	300,070	82,115	14,005	32,413	25,918	210,952	24,097	25,594
1927	371,419	91,285	17,050	30,908	30,552	274,524	14,735	29,631
1928	280,004	174,215	15,811	23,117	101,755	198,741	19,719	22,915
	Africa		Canada		Mexico		Cuba	
1920	1,194	3,045	157,657	51,600	8,842	7,021	11,445	10,928
1921	486	1,669	181,221	21,410	3,693	5,604	3,937	7,586
1922	513	2,133	214,002	27,978	6,510	6,913	5,464	8,693
1923	1,145	5,572	273,801	35,755	8,013	7,087	6,728	14,030
1924	651	5,529	220,410	32,271	6,393	5,803	6,001	13,841
1925	925	6,768	308,133	24,701	9,105	9,731	6,953	18,076
1926	1,014	6,210	275,891	37,748	7,849	11,574	7,318	17,554
1927	1,807	9,215	338,611	35,089	13,339	12,502	10,010	23,427
1928	2,456	7,756	252,359	132,403	15,554	11,066	8,455	13,428
	Argentina		Peru		United Kingdom		Belgium	
1920	3,973	2,672	1,342	741	19,347	53,917	770	12,251
1921	602	2,342	2,692	840	11,191	50,022	564	9,935
1922	1,446	3,378	3,610	109	11,283	101,487	374	12,101
1923	3,683	7,218	6,142	285	16,602	105,018	798	15,509
1924	3,242	8,197	6,621	474	11,273	96,822	808	14,442
1925	2,378	12,200	7,500	008	13,050	121,729	1,085	16,453
1926	3,010	10,446	5,840	1,287	10,875	92,081	1,613	16,139
1927	8,600	13,117	7,211	1,408	11,177	149,926	3,277	15,082
1928	4,996	8,536	3,743	1,748	61,532	100,778	3,899	12,186
	France		Netherlands		Germany		Italy	
1920	4,047	11,306	1,034	11,446	988	6,712	2,266	9,135
1921	1,442	10,712	1,623	8,071	1,365	6,701	928	10,715
1922	1,468	11,410	1,941	16,174	1,087	7,000	640	27,539
1923	2,450	16,523	2,140	28,053	1,707	18,198	1,658	27,494
1924	1,761	18,495	2,776	13,221	2,047	21,558	1,348	15,544
1925	2,057	14,477	3,808	17,546	2,969	30,925	2,021	22,671
1926	1,712	7,832	3,038	22,221	3,842	32,022	1,700	12,670
1927	1,030	14,068	3,045	22,123	5,432	29,235	1,053	15,950
1928	4,813	13,588	0,403	14,123	11,139	27,025	4,718	12,014

No. 533.—IN TRANSIT AND TRANSSHIPMENT TRADE: BY CUSTOMS REGIONS THROUGH WHICH SHIPPED

[Values in thousands of dollars]

Year ended Dec. 31	Total	Atlantic Coast			Gulf coast	Mexican border	Pacific coast	Northern border
		Total ¹	Maine and New Hampshire	New York					Philadelphia
1920	266,207	199,185	53,359	117,556	9,783	2,630	17,835	43,644
1921	235,605	209,753	20,864	137,835	22,845	347	10,103	15,774
1922	276,325	245,141	18,306	155,074	30,110	857	10,896	10,025
1923	360,354	313,754	30,787	215,601	30,179	1,176	14,544	28,361
1924	307,197	261,586	15,561	196,345	2,320	580	17,681	22,853
1925	392,871	356,035	13,491	275,581	38,497	170	16,595	10,585
1926	366,693	314,645	15,296	241,480	24,327	235	21,687	25,019
1927	435,594	333,512	10,575	266,704	20,774	2,265	22,760	31,791
1928	426,744	307,778	5,372	248,764	17,300	3,404	15,770	91,411

¹Includes districts not specified.

No. 534.—VALUE OF PRINCIPAL ARTICLES

NOTE.—Specie values except for 1855, and 1870-1873; for those years mixed gold and currency values, thereafter. In some cases blanks represent entire absence

[All figures in thou

Year or yearly average	Meat products	Animal fats and oils	Leather	Rye (including flour)	Wheat (including flour)	Oil cake and meal	Fruits and nuts	Rubber and manufactures	Naval stores, gums, and resins	Tobacco, un-manufactured
1821					4,470				315	5,049
1830					6,132		24		856	5,586
1840					11,770		55		666	9,884
1850					7,742		25		1,372	9,951
1850	8,086	6,200	693		19,528	1,069	200	241	3,856	16,307
1855	20,496	14,473	960	169	40,905	2,207	415	201	343	41,625
1870	11,630	9,909	111	217	68,341	3,419	543	186	3,277	21,100
1871-1875	33,937	25,773	3,786	710	82,138	4,105	1,138	212	5,102	24,475
1876-1880	65,090	35,406	7,256	2,194	133,940	5,298	1,831	232	4,511	23,680
1881-1885	69,344	37,492	9,174	2,185	137,600	6,551	2,893	560	6,354	19,407
1886-1890	59,734	35,108	9,367	380	105,331	7,143	3,724	867	6,003	23,865
1891-1895	82,184	61,133	11,931	2,570	147,211	8,545	4,076	1,450	7,536	22,086
1896-1900	100,868	63,370	18,708	4,075	148,176	12,300	8,394	2,280	9,084	26,269
1901-1905	110,045	70,933	24,019	1,311	131,020	10,470	14,778	4,505	13,896	26,891
1906-1910	93,593	57,320	31,234	1,089	117,703	23,472	10,531	7,831	10,438	28,158
1911-1915	81,315	53,800	44,056	3,013	172,788	25,570	31,305	13,362	21,852	46,064
1915-1920 ¹	401,251	166,808	110,215	52,009	612,063	21,978	61,601	10,430	20,417	139,509
1921-1925	139,333	146,401	44,237	39,475	821,894	24,095	82,809	30,003	22,379	104,596
1884	64,294	30,372	7,024	4,842	126,169	7,118	1,751	635	7,005	17,766
1885	63,293	31,732	8,939	2,010	125,079	6,674	2,516	686	4,085	22,020
1886	54,894	27,198	7,653	140	88,768	7,054	3,310	564	4,844	27,158
1887	53,179	32,105	9,170	228	142,837	7,310	2,070	894	5,801	26,948
1888	52,462	32,854	8,423	61	111,019	6,424	3,510	867	5,090	21,986
1889	59,727	35,982	9,615	172	86,040	6,928	5,072	832	5,060	18,901
1890	78,409	48,202	11,176	1,294	102,312	8,000	4,000	1,000	7,444	21,430
1891	81,065	51,011	12,025	240	106,120	7,462	2,435	1,230	8,102	21,084
1892	84,048	48,841	10,518	11,455	236,701	9,713	6,020	1,410	7,000	20,870
1893	80,842	50,907	10,695	1,013	109,020	9,089	8,019	1,800	7,287	22,392
1894	81,698	57,311	12,770	139	128,079	8,807	2,424	1,472	6,791	24,065
1895	82,369	47,534	13,640	17	95,438	7,100	4,072	1,517	7,420	25,790
1896	82,387	46,710	17,766	459	91,735	9,950	5,679	1,050	8,844	24,371
1897	89,017	42,505	10,481	3,675	115,895	7,739	1,027	9,215	24,711	
1898	105,939	54,771	17,796	8,339	214,948	12,582	9,013	2,059	9,193	22,172
1899	110,410	60,679	10,725	6,051	177,363	14,640	7,897	2,321	9,983	25,467
1900	119,494	62,187	21,797	3,457	140,999	10,300	11,643	3,124	12,474	20,422
1901	123,367	68,226	21,321	1,333	166,231	18,724	10,827	3,650	12,587	27,056
1902	122,012	72,985	22,350	1,590	178,537	19,943	8,719	4,032	11,794	27,104
1903	168,169	72,258	23,514	8,157	161,552	19,830	18,068	4,074	12,919	35,261
1904	103,220	71,040	24,852	452	104,745	17,009	20,070	5,149	10,145	29,041
1905	99,036	70,158	28,068	21	44,082	21,777	16,007	5,509	10,107	29,801
1906	114,670	92,110	20,317	925	87,894	23,992	15,274	6,544	20,070	28,808
1907	107,571	94,098	32,065	579	122,300	20,416	17,638	7,420	21,557	33,337
1908	102,045	92,076	26,070	2,201	103,907	21,867	14,339	7,574	21,642	34,727
1909	81,773	80,075	30,413	1,064	110,262	25,830	16,568	7,433	19,000	30,000
1910	61,763	71,769	37,414	184	95,428	19,251	18,880	10,176	18,632	38,115
1911	66,391	85,065	37,200	27	71,427	19,031	24,498	12,453	25,023	39,255
1912	71,874	85,512	41,763	22	79,477	28,229	30,960	12,823	20,755	43,252
1913	68,018	88,573	42,384	1,282	142,208	29,444	37,070	14,325	23,471	40,354
1914	68,443	89,563	36,650	1,580	142,408	31,668	31,850	12,441	19,832	59,064
1915	131,860	78,720	65,229	15,150	428,422	23,879	34,033	14,762	11,127	44,494
1915 (6 mos.) ²	90,440	33,893	42,079	7,556	146,719	14,078	22,549	15,841	5,480	30,454
1916	198,000	85,062	100,499	19,390	313,240	33,253	37,345	33,934	10,289	62,833
1917	273,008	99,099	80,817	27,960	384,272	15,810	35,332	34,788	14,401	45,974
1918	697,027	181,421	155,127	81,065	505,266	2,785	32,373	31,501	10,236	123,918
1919	697,707	320,290	218,784	74,217	660,351	36,041	126,265	58,866	31,434	236,686
1920	270,870	191,587	108,870	125,878	321,468	18,012	84,300	85,437	64,503	245,332
1921	157,122	145,056	31,737	44,589	550,752	24,480	70,157	30,736	11,440	205,133
1922	140,176	118,215	45,471	46,075	291,821	19,898	75,864	34,000	18,510	146,489
1923	153,677	168,520	42,384	29,021	204,441	19,831	68,619	30,072	24,320	159,439
1924	121,150	159,017	49,183	40,204	328,324	27,600	97,680	40,622	25,309	144,130
1925	127,033	150,298	52,155	37,484	233,784	31,006	102,015	52,930	31,800	153,737
1926	106,837	136,111	40,815	12,370	234,872	26,468	111,707	60,733	36,866	139,091
1927	71,011	110,700	54,093	30,013	324,830	30,130	121,065	70,691	34,335	139,667
1928	67,722	119,442	55,173	17,667	193,743	37,108	129,324	69,546	26,433	154,466

¹ Incl. des semimanufactures.

² Average for period July 1, 1915, to Dec. 31, 1920.

OF UNITED STATES MERCHANDISE EXPORTED

Figures are for fiscal years ended Sept. 30, through 1840, and June 30, 1850 through 1915; calendar years of trade; in other cases the item was not segregated

sands of dollars]

Cotton, raw	Cotton manufactures ¹	Saw-mill products	Other wood manufactures	Coal and coals	Petroleum and products	Iron and steel-mill products	Copper and manufactures	Machinery, all classes	Automobiles including engines and parts	Year or yearly average
20, 187		1, 518					27			1821.
29, 078	1, 318	1, 660	426				37			1830.
63, 870	3, 560	2, 072	921				87			1840.
71, 985	4, 784	2, 646	2, 279	167			107			1850.
191, 807	10, 935	3, 884	6, 148	741			1, 064			1860.
6, 830	3, 452	7, 020	11, 201	1, 371	15, 760	1, 190	1, 646	7, 222		1866.
227, 028	3, 787	4, 660	7, 886	1, 306	32, 669	539	1, 042	5, 783		1870.
205, 624	3, 106	6, 749	0, 108	2, 538	30, 018	1, 115	749	8, 373		1871-1875.
183, 530	10, 047	7, 840	7, 024	2, 474	43, 808	1, 135	2, 664	8, 357		1870-1880.
218, 703	12, 693	11, 796	9, 847	4, 777	47, 763	1, 322	3, 951	13, 552		1881-1885.
224, 014	12, 423	13, 376	8, 840	5, 747	51, 161	1, 022	7, 309	13, 602		1886-1890.
230, 743	13, 354	14, 782	9, 694	10, 184	49, 344	8, 241	14, 392	22, 061		1891-1895.
220, 894	20, 494	22, 399	13, 853	14, 006	38, 766	20, 438	30, 746	50, 125		1896-1900.
335, 443	31, 333	34, 447	17, 413	20, 121	32, 200	32, 759	54, 042	77, 958		1901-1905.
437, 582	35, 141	50, 754	21, 075	38, 826	103, 803	54, 297	92, 334	113, 983	6, 292	1906-1910.
637, 044	52, 525	61, 379	24, 687	58, 648	137, 058	96, 313	123, 655	158, 897	35, 805	1911-1915.
768, 361	214, 697	60, 630	36, 550	161, 590	347, 308	491, 191	208, 900	354, 216	157, 775	1915-1920. ¹
804, 985	133, 052	85, 078	30, 840	131, 112	405, 061	166, 776	129, 761	320, 988	177, 164	1921-1925.
197, 015	11, 855	12, 455	9, 749	5, 080	48, 366	1, 551	5, 590	16, 336		1884.
201, 962	11, 837	11, 017	8, 401	4, 581	51, 983	1, 422	10, 187	10, 970		1885.
205, 080	13, 960	11, 040	8, 112	4, 207	51, 929	1, 372	5, 672	10, 102		1886.
205, 222	14, 920	10, 085	7, 710	4, 561	48, 868	1, 465	3, 727	10, 598		1887.
223, 177	13, 013	12, 632	8, 331	0, 345	49, 211	1, 025	8, 877	12, 160		1888.
227, 775	10, 213	15, 977	10, 205	6, 714	51, 943	2, 056	9, 867	15, 934		1889.
250, 969	9, 909	16, 046	9, 872	6, 910	53, 812	2, 793	8, 403	10, 521		1890.
260, 713	13, 605	14, 887	9, 042	8, 434	55, 741	3, 189	11, 875	21, 110		1891.
280, 401	13, 220	14, 721	9, 056	8, 761	48, 771	2, 871	13, 261	21, 475		1892.
168, 771	11, 809	14, 351	9, 499	10, 185	40, 658	3, 358	9, 117	21, 809		1893.
120, 809	14, 341	14, 463	10, 501	12, 093	45, 320	3, 340	22, 133	21, 087		1894.
204, 901	13, 790	14, 989	10, 313	11, 445	50, 230	3, 446	15, 673	24, 224		1895.
100, 066	16, 837	17, 515	11, 830	11, 140	66, 790	4, 692	21, 764	29, 313		1896.
230, 891	21, 038	22, 038	13, 042	11, 556	67, 692	10, 732	33, 661	37, 738		1897.
230, 442	17, 024	20, 393	13, 393	12, 293	62, 156	18, 973	33, 005	44, 438		1898.
210, 900	23, 567	23, 591	13, 939	14, 294	63, 078	29, 207	36, 424	61, 117		1899.
242, 989	24, 003	23, 614	16, 500	20, 737	84, 214	38, 534	58, 262	78, 020		1900.
315, 105	20, 272	32, 370	15, 415	23, 751	77, 070	40, 455	44, 614	73, 489		1901.
291, 508	32, 108	27, 546	16, 330	22, 486	81, 162	25, 686	43, 620	67, 510		1902.
317, 065	32, 216	33, 581	19, 110	23, 119	76, 665	21, 418	40, 595	76, 202	1, 207	1903.
372, 049	22, 404	42, 106	18, 256	30, 044	87, 920	30, 332	58, 110	88, 841	1, 896	1904.
351, 399	49, 666	36, 533	17, 050	31, 387	87, 532	46, 402	87, 564	88, 748	2, 481	1905.
401, 006	52, 944	44, 115	20, 511	30, 662	92, 850	51, 183	83, 179	108, 379	3, 497	1906.
481, 278	32, 305	53, 237	20, 969	37, 741	93, 887	55, 451	96, 601	125, 255	5, 502	1907.
437, 788	25, 178	53, 839	22, 825	42, 074	112, 867	57, 820	105, 873	120, 551	5, 278	1908.
417, 391	31, 879	44, 213	19, 879	40, 069	112, 446	46, 630	86, 708	98, 953	5, 992	1909.
450, 447	33, 307	53, 368	21, 193	43, 590	106, 977	60, 403	89, 309	116, 718	11, 100	1910.
585, 319	40, 852	62, 947	24, 384	48, 314	105, 494	78, 790	104, 908	151, 205	15, 509	1911.
565, 349	50, 770	66, 811	25, 607	55, 587	122, 789	102, 385	117, 033	160, 045	26, 435	1912.
647, 387	51, 510	76, 955	30, 764	68, 416	149, 260	124, 222	143, 124	194, 738	32, 982	1913.
100, 475	49, 246	70, 095	26, 326	62, 711	161, 085	90, 920	151, 472	167, 909	34, 591	1914.
376, 218	70, 247	30, 085	10, 206	58, 211	146, 668	85, 247	101, 090	119, 990	69, 516	1915.
157, 548	48, 714	19, 026	9, 959	37, 236	83, 234	109, 804	70, 093	90, 647	59, 647	1915 (6 mos.) ³
545, 229	127, 052	33, 061	20, 818	72, 500	220, 089	375, 975	236, 850	275, 071	123, 064	1916.
575, 304	157, 267	40, 302	26, 062	118, 950	273, 906	644, 924	362, 871	358, 658	124, 476	1917.
674, 123	179, 106	54, 121	28, 095	119, 742	309, 542	632, 219	206, 732	260, 951	109, 889	1918.
1, 137, 371	270, 235	76, 884	51, 239	125, 505	374, 530	449, 939	330, 790	361, 900	156, 426	1919.
1, 136, 409	398, 468	110, 013	64, 347	359, 805	539, 348	497, 601	141, 717	587, 671	308, 262	1920.
534, 242	115, 539	52, 632	28, 040	170, 983	399, 871	236, 126	67, 898	408, 465	83, 740	1921.
673, 250	130, 679	67, 890	24, 485	95, 562	344, 255	136, 218	103, 874	234, 028	103, 202	1922.
807, 103	130, 188	103, 378	33, 347	166, 014	365, 625	167, 065	120, 220	282, 296	170, 612	1923.
560, 531	130, 637	101, 999	32, 248	115, 969	442, 564	150, 369	160, 646	311, 540	209, 872	1924.
1, 059, 761	140, 107	99, 589	36, 109	107, 035	472, 952	144, 102	161, 166	363, 000	318, 386	1925.
814, 429	123, 708	97, 444	37, 884	203, 884	554, 534	174, 101	141, 204	400, 046	320, 179	1926.
826, 306	133, 186	107, 574	38, 039	109, 887	485, 903	160, 647	150, 214	436, 349	338, 528	1927.
920, 008	134, 642	108, 798	37, 525	99, 518	525, 852	179, 649	169, 831	497, 284	500, 177	1928.

¹ July to December.

No. 535.—VALUE OF PRINCIPAL COMMODITIES

NOTE.—Specie values. Figures represent general imports; they are for fiscal years ended Sept. 30
entire absence of trade; in other

[All figures in thou

Year or yearly average	Hides and skins	Furs, and manufactures	Fruits and nuts	Vegetable oils expressed and fats	Coffee	Sugar ¹	Rubber, crude	Tobacco, unmanufactured	Cotton manufactures	Hurlaps
1821	898	224	181	—	4,490	3,554	—	—	7,301	—
1830	2,410	300	520	18	4,227	4,031	—	—	7,805	—
1840	2,760	423	1,405	233	8,540	5,581	—	—	6,504	—
1850	4,709	1,014	1,191	922	11,235	7,550	—	—	20,751	—
1860	10,525	1,838	4,804	1,610	21,834	31,070	1,427	1,300	33,210	—
1865	4,550	2,300	2,265	634	11,242	27,320	1,223	552	9,224	—
1870	14,402	2,230	7,417	2,153	24,235	56,924	3,460	2,534	23,380	—
1871-1875	13,649	3,704	10,987	1,097	43,737	76,754	5,391	4,725	31,263	—
1876-1880	18,237	4,680	11,486	1,230	54,011	73,078	6,998	4,000	22,118	—
1881-1885	25,179	7,280	17,880	1,637	48,257	87,900	12,732	6,188	31,739	—
1886-1890	24,373	7,161	10,584	1,808	62,004	83,014	13,791	11,170	28,858	4,552
1891-1895	25,208	9,707	21,322	3,025	98,220	105,040	17,763	12,810	29,482	5,828
1896-1900	39,076	9,224	17,061	3,710	67,830	88,705	24,609	11,355	33,004	3,021
1901-1905	56,206	15,003	23,034	7,350	60,450	77,440	34,823	16,743	47,839	14,368
1906-1910	82,519	21,407	33,892	14,002	73,490	92,280	60,087	24,905	67,851	22,730
1911-1915	102,987	10,341	43,033	26,654	108,970	118,230	82,736	31,679	63,040	30,749
1915-1920 ²	201,517	47,020	61,765	84,462	165,266	138,906	192,149	51,012	65,816	62,645
1921-1925	93,067	79,840	75,940	59,652	205,792	295,389	192,922	64,831	86,568	60,406
1884	22,351	8,175	10,812	1,677	49,087	98,203	13,780	5,923	20,075	4,057
1885	20,556	5,258	10,706	2,001	40,723	72,520	9,005	0,302	27,107	3,795
1886	20,609	6,814	17,318	1,024	42,673	80,774	11,888	7,830	20,700	3,077
1887	24,219	7,280	20,608	1,685	50,348	78,411	13,757	8,705	25,040	3,827
1888	23,039	6,736	20,502	1,914	60,508	74,245	10,097	10,871	25,918	4,040
1889	25,123	7,416	18,740	1,805	74,725	38,544	12,387	10,868	20,806	5,884
1890	21,852	7,554	20,746	2,160	78,207	96,005	14,855	17,005	29,918	6,434
1891	27,931	9,320	25,983	2,108	96,124	105,723	17,856	13,284	29,713	5,606
1892	20,850	10,107	20,944	3,116	125,042	104,409	19,718	10,332	28,324	7,064
1893	28,343	10,568	23,657	3,640	80,480	116,250	17,809	14,703	33,038	6,154
1894	10,786	7,020	18,755	2,641	90,815	126,872	15,078	10,985	22,440	4,567
1895	20,123	10,322	17,240	3,522	96,131	70,403	18,353	14,749	33,297	5,789
1896	30,520	9,303	19,032	3,604	84,793	39,220	10,003	10,503	32,043	6,440
1897	27,803	9,016	17,127	3,487	81,544	99,000	17,438	6,684	34,001	9,243
1898	37,039	7,881	14,567	3,358	65,068	90,473	25,334	7,489	27,420	5,971
1899	41,983	10,861	18,314	3,600	55,275	94,904	31,708	6,909	32,205	8,138
1900	67,903	12,060	19,204	4,462	62,408	100,251	31,877	13,297	41,541	10,000
1901	48,220	11,020	19,587	4,688	62,861	90,488	28,455	16,200	40,436	12,006
1902	58,097	16,624	21,481	6,626	70,932	55,091	24,390	15,212	44,966	15,532
1903	68,032	16,302	23,727	9,487	50,201	72,080	30,437	17,235	58,299	14,378
1904	82,006	14,703	24,430	7,329	60,552	71,916	40,444	10,939	60,370	14,031
1905	64,764	18,300	25,937	8,110	84,054	97,046	49,878	18,030	50,162	19,663
1906	83,882	21,850	28,016	9,688	73,250	85,400	45,114	22,448	40,390	20,654
1907	83,207	21,884	35,505	11,000	78,232	92,308	58,929	26,055	74,747	20,114
1908	64,770	15,918	36,874	12,309	67,638	80,238	36,019	22,370	68,825	28,225
1909	78,487	21,087	30,444	14,622	70,112	90,555	61,710	25,491	63,232	19,780
1910	112,243	26,598	36,601	21,639	60,194	106,349	101,079	27,751	68,053	21,448
1911	70,506	23,910	30,078	28,071	90,668	90,091	76,245	27,860	67,004	21,104
1912	102,476	24,680	42,567	26,157	117,827	115,515	93,013	31,910	65,175	21,350
1913	117,386	24,162	41,091	25,191	118,963	103,040	90,170	35,919	68,087	37,774
1914	120,390	13,880	51,026	30,650	110,725	101,436	71,220	35,029	70,723	42,421
1915	104,177	10,162	40,504	23,699	100,760	173,867	83,030	27,137	46,258	28,080
1915 (6 mos.) ¹	67,579	8,040	20,896	10,984	54,304	67,425	58,858	9,384	20,767	15,800
1916	72,803	21,060	44,749	40,081	118,813	227,319	159,746	20,850	54,000	39,089
1917	209,730	20,033	44,743	66,307	122,007	221,000	233,221	33,472	56,676	53,704
1918	105,044	34,184	48,722	111,312	90,423	241,390	146,378	54,080	40,701	80,279
1919	306,510	76,273	78,991	127,833	261,270	393,171	215,820	75,146	62,652	65,768
1920	243,878	92,399	101,551	108,026	252,451	1,015,188	242,790	81,030	137,583	89,359
1921	67,561	40,058	73,532	39,880	142,800	235,287	73,773	54,172	75,430	41,877
1922	107,039	68,110	72,409	50,042	160,854	251,066	101,843	60,000	87,070	49,266
1923	118,917	87,075	70,463	64,680	190,232	380,090	185,060	57,188	100,153	65,972
1924	75,052	87,700	72,335	50,687	245,828	363,666	174,231	76,362	90,914	59,866
1925	96,704	115,349	88,004	74,985	290,235	246,008	429,705	71,464	70,271	55,028
1926	90,812	117,418	87,500	70,000	322,740	232,534	505,818	60,570	67,150	82,238
1927	112,846	135,674	84,721	75,050	264,275	256,163	839,859	74,017	69,197	82,289
1928	150,810	118,357	80,067	77,618	300,044	207,048	244,865	55,160	69,207	80,087

¹ Includes sirups and maple sugar prior to Oct. 4, 1913.² Includes semimanufactures.

IMPORTED INTO THE UNITED STATES

through 1840, and June 30, 1850 through 1915; calendar years thereafter. In some cases blanks represent cases the item was not segregated

sands of dollars]

Year or month	Wool and mohair	Wool manu- factures (includ- ing rags, noils, waste)	Silk, raw	Saw- mill prod- ucts	Wood pulp	Paper and manu- factures	Petro- leum and prod- ucts	Copper, includ- ing ore and manu- factures	Tin, includ- ing ore	Fertil- izers and mater- ials	Year or yearly average
07		7,239				58		233	149		1821.
846		5,001	119			170		807	108		1830.
1,090		10,808	234			70		1,653	229		1840.
4,843		43,142	386			432		2,418	674	92	1850.
7,734		19,621	1,230			497		1,930	1,153	526	1860.
6,743		21,029	1,104			372		1,144	591	590	1866.
		34,491	3,018			1,100		956	2,192	2,192	1870.
15,150		47,763	5,237	7,542		1,822		1,495	3,139	2,383	1871-1875.
10,509		28,482	7,543	4,017		1,359		972	2,927	2,251	1876-1880.
10,603		37,945	12,545	8,070		1,588		525	4,962	4,077	1881-1885.
16,459		48,638	19,380	8,003		2,325		470	7,096	7,096	1886-1890.
18,129		94,531	21,806	9,104	1,851	3,149		396	7,887	6,240	1891-1895.
26,212		29,496	30,514	7,707	1,107	2,882		5,866	10,604	7,043	1896-1900.
24,087		17,429	44,815	12,147	3,027	3,539		23,611	21,550	14,892	1901-1905.
40,132		21,285	60,202	21,112	7,729	6,708		35,026	30,244	27,046	1906-1910.
42,664		22,777	80,079	21,884	18,254	12,952	8,077	40,129	41,493	30,631	1911-1915.
173,173		20,852	213,960	45,592	42,814	47,214	30,363	103,805	73,739	67,142	1915-1920.*
102,309		64,592	348,123	67,002	67,002	105,239	90,793	77,811	59,225	56,565	1921-1925.
12,385		41,168	12,481	8,780		1,714		527	5,430	4,480	1884.
8,880		35,777	12,422	7,077		1,593		499	4,283	3,302	1885.
10,740		41,421	17,233	7,332		1,839		608	5,874	4,511	1888.
16,424		44,003	18,087	7,858		2,028		338	6,928	4,959	1887.
16,887		47,710	10,161	8,918		2,401		408	8,750	8,340	1888.
17,975		52,595	18,544	9,610		2,542		483	7,014	4,956	1889.
16,264		66,582	23,286	9,205	1,814	2,817		521	6,899	4,847	1890.
18,231		41,060	17,995	10,077	1,003	3,091		730	7,978	5,950	1891.
19,688		35,596	24,321	9,606	1,820	3,342		1,148	8,698	6,007	1892.
21,064		38,049	29,060	10,739	2,909	3,881		944	12,359	6,157	1893.
6,107		10,439	15,628	8,289	1,665	2,628		861	2,641	5,749	1894.
25,556		38,540	22,029	7,259	953	2,864		801	6,787	7,339	1895.
32,451		58,404	26,247	8,527	1,053	3,169		1,630	6,762	7,161	1896.
53,249		49,163	18,497	9,095	801	3,122		1,626	5,536	5,785	1897.
10,784		14,824	31,447	5,068	602	2,839		3,869	8,776	6,811	1898.
8,523		18,893	31,827	6,015	672	2,302		6,817	11,843	9,949	1899.
20,261		16,164	44,569	9,829	2,406	2,800		15,490	19,104	9,509	1900.
12,630		14,585	29,354	8,636	1,586	3,055		20,582	10,806	11,525	1901.
17,712		17,384	41,714	12,015	2,059	3,170		25,063	19,462	11,741	1902.
22,153		19,540	40,003	13,922	3,388	3,483		20,801	23,019	15,087	1903.
24,814		17,734	44,462	12,027	3,003	3,865		21,682	21,486	16,812	1904.
46,220		17,894	59,543	14,137	4,501	4,117		24,835	23,378	10,204	1905.
50,093		23,081	52,856	19,367	4,686	4,793		32,593	30,933	22,761	1906.
41,534		22,321	70,230	20,959	6,349	6,759		47,725	38,117	25,998	1907.
23,665		10,388	63,066	20,257	7,313	7,312	584	31,520	25,295	24,237	1908.
45,172		18,102	73,881	20,903	8,629	7,183	556	38,070	26,007	20,616	1909.
51,221		28,532	65,425	24,079	11,768	7,491	992	40,245	30,370	35,020	1910.
23,228		18,570	72,714	20,761	18,990	8,224	2,578	39,882	37,963	41,953	1911.
33,078		14,913	67,173	19,704	14,219	7,273	4,006	45,217	42,124	38,900	1912.
35,580		16,318	82,148	23,095	16,165	12,169	0,721	59,590	53,113	41,383	1913.
93,191		34,244	97,828	22,312	17,023	18,244	13,993	54,506	39,422	46,381	1914.
63,243		29,791	80,532	23,455	19,881	18,849	10,087	31,661	30,778	30,139	1915.
43,363		7,461	53,302	16,231	8,567	9,858	5,985	27,092	21,422	15,950	1915 (6 mos.)
125,624		16,471	144,757	30,497	26,969	24,611	14,398	95,335	55,830	43,859	1916.
171,557		23,343	184,233	35,094	41,979	42,081	21,243	137,787	68,372	69,731	1917.
251,778		22,809	180,210	41,900	31,477	48,214	26,232	133,525	104,889	95,995	1918.
216,705		19,480	320,339	50,314	37,048	54,452	32,414	86,271	62,762	31,894	1919.
126,072		65,116	284,891	76,657	89,418	80,510	66,724	90,019	92,882	114,850	1920.
60,482		51,218	259,054	44,492	39,396	88,330	77,715	45,785	22,310	30,683	1921.
86,546		50,414	365,787	63,844	63,292	85,334	88,455	66,829	46,302	45,123	1922.
129,711		69,118	801,908	82,622	74,744	115,659	78,713	96,988	63,261	63,913	1923.
93,151		69,310	327,582	72,042	75,743	117,673	101,357	96,184	69,024	66,531	1924.
141,957		78,900	396,286	78,150	85,834	119,201	107,094	84,270	95,219	78,072	1925.
106,721		70,667	392,790	74,579	91,231	139,499	124,556	99,742	104,980	69,229	1926.
82,933		78,775	390,365	64,004	85,842	149,365	113,434	84,993	100,944	58,842	1927.
79,861		78,391	367,997	54,886	83,464	156,407	132,842	98,187	87,952	78,118	1928.

* Average for period July 1, 1915, to Dec. 31, 1920.

† July to December.

No. 536.—EXPORTS OF UNITED STATES MERCHANDISE AND GENERAL IMPORTS BY GROUPS AND SUBGROUPS

[Values in millions and tenths of millions of dollars]

Group and subgroup	Exports of U. S. merchandise					General imports				
	1910-1914 ¹	1921-1925 ¹	1926	1927	1928	1910-1914	1921-1925	1926	1927	1928
Grand total.....	2,130.4	4,310.2	4,711.7	4,768.9	5,030.1	1,888.9	3,450.1	4,430.9	4,184.7	4,081.4
Group 00.—Animals and animal products, edible	167.8	342.8	384.9	326.2	325.4	42.9	80.0	116.3	136.1	140.2
A. Animals, edible.....	7.8	6.7	2.4	2.0	2.2	7.0	5.9	0.2	21.1	22.5
B. Meat products.....	67.8	139.8	106.8	71.0	67.7	7.7	10.3	28.7	34.9	35.6
C. Animal oils and fats, edible.....	76.7	138.5	128.4	108.4	112.6	8.8	4.4	1.5	1.2	1.3
D. Dairy products.....	8.3	30.1	19.0	17.4	18.6	10.8	28.1	34.2	37.0	34.2
E. Fish.....	9.7	18.0	19.9	18.3	20.8	16.5	20.3	34.3	36.4	38.5
F. Other edible animal products.....	2.9	9.3	8.3	8.4	6.7	.5	7.9	8.3	6.5	8.0
Group 0.—Animals and animal products, inedible	90.0	109.6	117.0	131.1	138.8	174.1	233.2	300.2	346.3	376.8
A. Hides and skins, raw, except furs.....	3.2	7.6	10.8	11.5	11.1	94.6	93.1	99.8	112.8	120.8
B. Leather.....	39.1	44.3	40.8	54.0	56.2	8.5	15.3	28.6	37.4	43.2
C. Leather manufactures.....	10.0	21.8	18.6	18.4	17.6	0.6	12.8	17.2	21.7	25.7
D. Furs and manufactures.....	14.7	22.5	23.2	30.9	39.6	22.0	70.8	117.4	135.0	118.4
E. Animal oils and greases, inedible.....	7.4	8.1	7.8	8.5	7.0	1.1	4.7	9.0	8.8	9.8
F. Other inedible animals and animal products.....	6.6	5.4	6.7	7.9	8.5	27.0	27.6	31.2	29.0	29.0
Group 1.—Vegetable food products and beverages	253.6	675.9	653.2	668.2	632.1	356.3	739.2	841.4	819.4	815.5
A. Grains and preparations.....	147.3	474.8	365.7	443.8	316.7	18.0	32.6	28.0	23.9	20.5
B. Fodders and feeds.....	28.4	26.7	28.2	32.0	30.9	2.7	8.0	12.0	11.2	15.7
C. Vegetables and preparations.....	0.3	10.1	20.9	21.0	22.7	14.4	26.2	38.4	38.4	30.0
D. Fruits and nuts.....	28.7	32.9	111.8	121.7	120.3	42.3	75.5	87.0	84.7	89.7
E. Vegetable oils and fats, edible.....	19.4	11.9	5.0	7.3	6.8	7.4	13.3	13.9	17.6	15.0
F. Cocoa, coffee, and tea.....	7.7	7.3	0.8	0.9	4.1	185.0	263.1	308.3	350.8	380.1
G. Spices.....	.1	.2	.2	.2	.3	7.3	13.9	16.4	20.1	20.6
H. Sugar and related products.....	10.7	51.5	19.3	21.6	20.1	106.4	368.5	244.6	270.9	220.3
I. Beverages.....	4.0	2.0	1.8	1.9	2.2	21.9	2.2	1.6	1.8	1.8
Group 2.—Vegetable products, inedible, except fibers and wood	100.6	276.3	282.5	290.9	302.7	210.7	442.0	802.7	635.9	619.0
A. Rubber and manufactures.....	12.4	89.0	60.7	70.7	69.5	97.7	107.8	516.0	349.0	253.0
B. Naval stores, gums, resins, and balsams.....	23.4	22.4	36.9	34.8	26.4	11.0	30.9	34.0	32.5	32.2
C. Drugs, herbs, leaves and roots, crude.....	1.9	3.2	3.6	3.0	3.3	4.2	6.5	9.2	6.0	10.9
D. Oilseeds.....	.5	.2	.2	.1	.1	15.1	51.2	70.5	64.9	60.7
E. Vegetable oils, inedible.....	1.3	4.2	5.4	6.0	6.2	22.5	51.0	71.7	67.6	69.7
F. Dyeing and tanning materials.....	.8	2.3	1.8	2.2	2.7	0.2	8.1	7.9	10.1	9.2
G. Seeds, except oilseeds.....	2.6	3.8	4.0	3.0	2.7	8.2	11.5	11.6	9.5	9.1
H. Nursery and greenhouse stock.....	.4	.4	.5	.4	.5	3.0	7.2	7.6	7.4	7.8
I. Tobacco and manufactures.....	50.3	187.2	157.4	156.2	179.2	37.4	73.2	69.5	83.0	63.1
J. Miscellaneous vegetable products.....	6.8	13.6	12.0	13.1	11.8	4.5	3.8	4.8	4.3	3.4
Group 3.—Textiles	614.1	997.2	1,006.0	1,021.4	1,124.6	387.8	693.8	999.7	664.5	920.1
A. Cotton, unmanufactured.....	551.9	895.0	814.4	829.3	920.0	20.7	46.3	46.2	45.7	42.8
B. Cotton semimanufactures.....	4.7	15.4	10.1	24.0	24.2	6.1	8.4	6.5	5.4	6.3
C. Cotton manufactures.....	46.6	117.7	109.7	109.2	110.4	61.3	78.2	60.7	60.8	63.0
D. Jute and manufactures.....	1.0	2.8	3.6	3.4	3.7	40.0	76.6	113.3	90.1	101.3
E. Flax, hemp, and ramie manufactures.....	.....	.3	.5	.4	.5	36.4	48.9	52.7	55.3	50.9
F. Other vegetable fibers and manufactures.....	9.6	9.5	7.0	4.9	6.3	20.5	34.7	50.1	41.2	37.0
G. Hats of straw or fiber and materials for.....	.....	1.0	.4	.4	.5	9.7	10.2	15.2	14.3	10.8
H. Miscellaneous fiber manufactures.....	.....	.....	.....	.....	.....	2.9	3.3	4.5	4.9	4.9
I. Wool, unmanufactured.....	(²)	.2	.1	.1	.2	39.3	102.4	106.7	82.9	79.9
J. Wool semimanufactures.....	4.5	.9	1.0	1.2	1.6	.....	20.5	11.6	14.6	16.1
K. Wool manufactures.....	2.9	6.7	4.0	4.6	4.9	21.5	44.0	50.2	54.2	62.3
L. Hair and manufactures.....	1.4	1.7	2.2	2.8	2.7	5.4	8.9	7.3	6.1	4.8
M. Silk, unmanufactured.....	.....	.....	.....	.....	.....	79.5	369.3	402.7	399.1	373.3
N. Silk manufactures.....	1.9	13.0	17.8	15.3	18.0	29.9	40.9	40.6	42.2	41.4
O. Rayon manufactures.....	.....	7.0	7.7	7.4	6.4	2.7	8.8	13.9	13.7	15.5
P. Miscellaneous textile products.....	1.7	16.1	22.2	21.9	24.3	2.4	5.1	8.7	8.9	9.8

¹ Yearly average.² Less than \$50,000.

No. 536.—EXPORTS OF UNITED STATES MERCHANDISE AND GENERAL IMPORTS BY GROUPS AND SUBGROUPS—Continued

Group and subgroup	Exports of U. S. merchandise					General imports				
	1910-1914 ¹	1921-1925 ¹	1926	1927	1928	1910-1914	1921-1925	1926	1927	1928
Group 4.—Wood and paper	109.7	153.3	178.7	192.2	200.9	79.9	296.6	372.3	365.6	358.8
A. Wood, unmanufactured	5.1	8.1	11.1	12.5	18.3	9.6	15.0	17.0	18.0	14.6
B. Wood semifinufactures—sawmill products	60.0	85.1	97.4	107.6	108.8	22.1	68.4	74.6	64.0	54.9
C. Wood manufactures	25.7	30.8	37.0	38.1	37.5	4.2	9.1	10.6	10.6	10.6
D. Cork and manufactures	.9	.9	1.5	1.0	1.7	5.8	4.7	9.7	9.9	9.9
E. Paper base stocks	1.9	3.7	5.0	5.4	6.1	27.5	94.2	121.5	118.6	112.3
F. Paper and manufactures	10.7	24.6	26.8	26.9	30.9	10.7	105.2	139.6	149.4	160.4
Group 5.—Non metallic mineral products	203.3	582.4	811.6	654.5	687.3	69.3	230.1	301.4	262.8	285.2
A. Coal and related products	56.7	131.1	203.9	109.7	99.5	4.7	12.3	12.3	5.0	6.5
B. Petroleum and products	127.7	405.1	564.5	485.9	525.9	6.3	90.8	124.6	113.4	132.8
C. Stone, sand, cement, lime, and plaster	6.4	5.5	5.6	5.7	5.9	2.5	5.8	9.6	8.2	7.3
D. Glass and glass products	3.5	10.1	9.2	8.9	10.1	6.5	17.0	20.9	17.0	15.2
E. Clay and clay products	4.1	7.2	8.0	8.4	9.6	12.6	19.0	25.9	25.7	23.6
F. Precious stones and pearls, and imitations	-----	.1	.1	.1	.1	42.6	66.5	80.7	68.7	74.6
G. All other	5.9	23.3	30.3	35.8	36.2	14.1	19.2	27.0	24.8	25.1
Group 6.—Metals and machinery, except machinery and vehicles	283.3	415.5	459.2	440.2	500.2	163.3	243.3	364.0	323.4	315.7
A. Iron ore	2.8	3.0	3.4	3.4	4.8	6.7	7.0	5.0	6.1	5.4
B. Iron and steel semifinufactures	37.0	73.2	92.7	86.7	96.0	13.7	11.7	16.4	10.0	10.7
C. Steel mill products—manufactures	54.3	93.6	81.4	73.6	83.6	1.6	7.7	17.7	18.8	17.5
D. Iron and steel, advanced manufactures	45.0	68.6	75.9	73.3	82.6	8.6	8.3	6.9	7.2	8.8
E. Ferro-alloys	.3	.5	.8	1.1	.9	3.1	13.3	20.8	16.4	13.9
F. Nonferrous metals, except precious	141.1	173.5	200.6	216.1	227.4	111.9	178.1	272.2	247.4	240.1
G. Precious metals, jewelry, and plated ware ²	2.8	3.1	4.5	5.7	4.9	7.6	17.2	24.1	22.5	19.2
Group 7.—Machinery and vehicles	200.6	531.4	765.9	857.0	1,036.5	12.5	17.8	26.2	27.5	29.8
A. Electrical machinery and apparatus	20.9	69.3	84.4	84.3	89.0	-----	1.8	2.6	3.0	2.8
B. Industrial machinery	78.6	166.7	179.6	201.5	228.6	-----	-----	-----	-----	-----
C. Office appliances	15.0	23.5	36.3	44.1	43.5	-----	11.4	10.6	16.5	18.7
D. Printing machinery	3.3	9.6	14.3	15.2	16.6	-----	-----	-----	-----	-----
E. Agricultural machinery and implements	40.5	51.9	85.5	90.7	110.7	-----	2.6	5.0	5.4	4.8
F. Automobiles and other vehicles	42.2	210.4	355.9	420.7	538.3	2.6	2.0	2.2	2.6	3.4
Group 8.—Chemicals and related products	46.6	107.6	125.2	132.8	137.3	87.7	112.1	134.8	129.9	143.2
A. Coal-tar products	.1	9.0	14.1	17.1	14.1	14.3	16.1	19.8	24.0	23.9
B. Medicinal and pharmaceutical preparations	6.8	16.1	19.7	20.1	20.4	1.8	4.9	5.9	5.4	5.2
C. Industrial chemical specialties	2.1	5.1	7.5	9.7	15.1	-----	-----	-----	-----	-----
D. Industrial chemicals	12.7	25.2	23.6	20.0	25.5	25.5	23.2	28.3	23.5	24.2
E. Pigments, paints and varnishes	6.8	14.0	19.3	21.3	25.6	2.1	3.1	3.8	3.8	3.8
F. Fertilizers and fertilizer materials	10.7	17.5	20.0	17.7	16.1	40.7	56.9	69.2	58.8	78.1
G. Explosives, etc.	1.7	3.9	4.2	3.5	5.2	.7	.9	1.2	1.1	1.0
H. Soap and toilet preparations	6.6	15.3	16.8	16.9	15.4	2.5	7.1	8.6	8.2	7.1
Group 9.—Miscellaneous	59.9	118.8	132.9	134.9	142.4	95.4	153.1	171.3	173.4	187.2
A. Photographic goods	8.0	17.4	18.6	18.7	20.2	2.7	6.4	5.7	5.8	6.0
B. Scientific and professional instruments, apparatus and supplies	4.6	10.0	12.1	12.2	12.4	1.0	2.1	2.9	3.2	3.4
C. Musical instruments	0.1	10.9	16.0	17.7	15.1	1.7	3.8	5.2	4.8	4.3
D. Miscellaneous office supplies	2.0	7.1	8.8	8.6	10.0	-----	-----	-----	-----	-----
E. Toys, athletic and sporting goods	1.4	3.6	3.9	4.4	4.9	8.1	8.1	6.8	6.9	6.4
F. Firearms and ammunition	6.8	5.1	6.3	6.0	5.5	-----	.3	.5	.5	.6
G. Books, maps, pictures and other printed matter	0.2	19.9	21.9	24.2	24.3	9.2	9.4	14.4	13.2	14.4
H. Clocks and watches	3.2	3.2	3.2	3.6	3.9	3.3	11.8	15.0	15.6	13.2
I. Art works	1.0	.9	1.4	1.4	1.5	35.0	31.2	53.5	60.4	65.8
J. Misc. articles, n. e. s.	16.7	40.9	40.6	38.1	41.9	34.2	30.0	67.4	63.0	73.1

¹ Yearly average.

² Except gold and silver in ore, bullion, and coin.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years except for 1910-1914 which are for years ended June 30. Figures for 1910-1914 and 1921-1925 are annual averages. A greater number of items are shown separately beginning about 1912 and 1922 and for this reason many averages for two, three, and four years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the averages

Group and article	Quantity					Value in thousands of dollars						
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
Total exports of domestic merchandise							2,130,429	4,310,921	4,818,722	4,711,721	4,758,864	5,030,099
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							167,813	342,348	323,161	284,354	226,248	228,425
A. Animals, edible							7,848	6,098	3,870	2,359	2,648	2,163
Cattle—												
Bulls for breeding..... number			3,381	1,469	997	1,663			274	181	174	242
Cows for breeding..... do	87,625	97,292	17,303	6,574	6,322	4,504	7,212	4,985	755	585	615	413
Other cattle..... do			59,881	14,259	11,360	5,130			1,359	545	415	296
Hogs (swine)..... do	11,491	83,472	46,040	28,566	42,270	54,174	113	1,188	869	603	693	822
Sheep..... do	132,601	36,407	12,041	12,311	22,926	4,164	523	275	270	176	381	65
Poultry, live..... 1,000 lbs.		1,629	712	565	647	566		1,312	343	269	370	325
B. Meat products..... do	519,083	838,927	648,025	512,501	388,771	398,326	67,298	139,833	127,038	106,837	71,011	67,722
Beef and veal—												
Fresh..... do	29,452	4,725	3,359	2,479	1,738	2,052	3,100	779	541	432	344	442
Pickled or cured..... do	32,873	23,339	20,930	19,653	14,868	9,364	2,779	2,342	2,224	2,298	1,626	1,174
Pork—												
Carcasses, fresh or frozen..... do		38,075	3,294	2,705	1,576	1,936			495	495	231	251
Loins and other fresh pork..... do	2,024		16,527	12,860	6,659	9,476	251	5,959	3,002	2,701	1,274	1,523
Wiltshire sides..... do			14,031	6,188	653	931			2,819	1,316	124	140
Hams and shoulders, cured..... do	166,813	296,758	251,853	183,718	122,613	124,149	21,788	53,709	52,121	43,601	25,320	23,306
Bacon..... do			176,829	147,505	105,640	117,687			33,988	28,050	16,684	16,682
Cumberland sides..... do	182,474	345,934	24,746	14,180	8,805	5,312	23,205	52,083	5,131	3,119	1,633	896
Pickled pork..... do	48,275	33,785	27,453	29,047	29,271	33,402	5,062	4,301	4,398	4,785	4,175	4,733
Mutton and lamb..... do	3,539	2,835	1,464	1,171	937	1,024	380	512	313	267	188	233
Sausage, not canned..... do	5,856	7,686	7,963	4,288	4,351	3,388	794	2,106	2,127	1,219	1,272	998
Canned meats..... do		115,911	16,890	15,599	16,601	14,694	2,907	5,551	5,295	5,257	5,913	5,325
Beef..... do	9,392	2,807	2,174	2,645	2,752	1,900	1,111	710	682	956	912	677
Pork..... do	4,227	2,898	4,702	6,462	7,274	8,153	537	927	1,684	2,830	3,000	3,128
Sausage..... do	11,282	2,950	3,773	3,753	3,844	2,035	1,174	846	1,050	1,126	1,149	682
Other canned meat..... do		17,538	6,241	2,737	2,730	2,603	1,189	3,069	1,879	815	853	838
Poultry and game, fresh..... do		15,152	5,102	3,406	4,629	3,090	899	1,445	1,548	1,117	1,365	920
Other meats (including edible offal)..... do		146,320	41,006	38,531	37,266	38,562	1,536	4,435	3,896	4,075	4,005	4,320
Sausage casings—												
Hog casings..... do					9,502	12,536					3,638	3,571
Beef casings..... do	33,645	29,927	36,578	32,120	21,499	17,967	4,597	6,610	9,635	8,104	2,594	2,622
Other casings..... do					2,154	2,554					395	387

C. Animal oils and fats, edible.....do	725, 032	1, 053, 575	851, 616	856, 117	814, 436	885, 493	78, 874	138, 462	139, 740	128, 386	108, 388	112, 513
Oleo oil.....do	116, 225	105, 534	91, 972	96, 902	78, 781	62, 779	12, 484	12, 770	11, 814	11, 785	9, 599	8, 28
Oleo stock.....do		12, 970	12, 187	12, 159	11, 913	6, 779		1, 484	1, 528	1, 431	1, 378	862
Tallow.....do	29, 009	26, 356	17, 514	10, 628	6, 610	3, 211	1, 808	2, 126	1, 624	958	563	287
Lard and substitutes.....do												
Lard.....do	474, 355	860, 840	688, 829	698, 961	681, 303	759, 722	52, 098	115, 602	118, 090	108, 600	92, 085	98, 701
Neutral lard.....do	43, 572	22, 959	18, 854	18, 116	20, 397	23, 750	4, 797	3, 351	3, 548	3, 048	3, 003	3, 225
Lard compounds, containing animal fats.....1,000 lbs.	67, 319	18, 683	14, 091	10, 581	8, 988	4, 713	0, 109	2, 316	2, 041	1, 485	1, 084	613
Oleo and lard stearin.....do	(¹)	8, 353	7, 395	7, 318	5, 648	3, 883	(²)	1, 920	961	874	597	436
Oleomargarine of animal or vegetable fats.....1,000 lbs.	3, 268	2, 144	774	1, 452	796	656	341	367	134	204	129	108
D. Dairy products.....do							3, 338	30, 100	28, 565	19, 021	17, 422	18, 494
Milk and cream.....do												
Fresh and sterilized.....1,000 gals.		1, 112	86	59	65	125	351	166	67	52	48	73
Condensed (sweetened).....1,000 lbs.		62, 962	42, 707	38, 711	34, 981	38, 763		9, 559	6, 607	6, 020	5, 517	6, 191
Evaporated (unsweetened).....do	15, 774	142, 143	105, 056	75, 838	68, 047	76, 789	1, 277	13, 687	10, 615	7, 832	7, 182	7, 905
Dried.....do		5, 450	3, 649	2, 661	3, 326	4, 016		862	717	774	940	1, 035
Butter.....do	4, 278	7, 680	5, 343	5, 483	4, 343	3, 898	1, 013	3, 149	2, 411	2, 529	2, 010	1, 861
Cheese.....do	4, 916	7, 720	9, 190	3, 903	3, 410	2, 600	697	1, 936	2, 420	1, 115	1, 023	799
Infant's food, malted milk, etc.....do		2, 258	2, 819	2, 570	2, 592	2, 185		742	728	698	696	632
E. Fish.....do							9, 710	17, 961	20, 738	19, 904	18, 341	20, 785
Fresh.....do												
Salmon.....1,000 lbs.	14, 319	4, 234	3, 062	3, 079	3, 454	3, 454	6, 811	466	502	488	472	555
Other.....do	5, 447	11, 987	6, 282	3, 766	5, 000	4, 469	7, 277	770	662	382	440	404
Shellfish, not canned.....do		4, 365	6, 795	3, 656	7, 483	8, 261	336	844	934	839	1, 053	1, 194
Fish, salted or dry-cured.....do												
Salmon.....do	1, 826	1, 626	2, 122	2, 356	4, 367	4, 367	(⁵)	1, 275	333	455	510	976
Cod.....do	5, 587	4, 382	3, 954	3, 820	3, 165			1, 613	538	424	374	362
Herring.....do	6, 944	3, 955	3, 437	2, 351	2, 342	1, 889	138	235	212	155	137	110
Haddock, hake, and pollock.....do		3, 769	3, 164	2, 704	2, 189	1, 951		1, 279	278	197	158	151
Other.....do	7, 101	5, 631	1, 710	1, 616	2, 204	1, 646	370	492	131	181	182	129
Fish, pickled.....do												
Salmon.....barrels of 200 lbs.		22, 791	23, 869	16, 781	14, 737	9, 565		1, 124	1, 302	803	787	503
Other.....do		21, 070	12, 442	3, 104	7, 612	4, 604	147	167	126	136	93	72
Fish, canned.....do												
Salmon.....1,000 lbs.	57, 785	58, 815	53, 172	53, 511	38, 248	40, 953	5, 615	8, 671	9, 061	8, 578	6, 029	7, 662
Sardines.....do		41, 924	62, 713	71, 285	79, 440	30, 253		3, 570	5, 302	6, 126	6, 126	6, 523
Shellfish.....do		4, 588	4, 051	3, 443	3, 863	4, 731	657	659	938	691	826	1, 011
Other canned fish.....do		2, 201	1, 993	2, 015	9, 362	214	596	304	308	311	311	939
Other fish products.....do		523	1, 494	1, 918	3, 399	150	149	110	130	151	151	186
F. Other edible animal products.....do							2, 945	9, 293	8, 240	8, 347	8, 438	6, 747
Eggs, in the shell.....1,000 doz	13, 170	30, 337	24, 999	26, 634	28, 707	20, 192	2, 914	8, 661	7, 534	7, 632	7, 738	6, 135
Eggs and yolks, frozen, dried, canned.....1,000 lbs.		1, 460	301	522	661	508	31	91	45	75	111	87
Meat extracts and bouillon cubes.....do		1, 298	184	206	188	160		1, 438	362	376	391	365
Gelatin.....do		1, 351	461	282	307	244		1, 238	290	214	198	159

¹ Average for years 1922-1925.

² Average for years 1913-14.

³ Includes neutral lard for 1910.

⁴ Average for years 1911-1914; included with oleo oil in 1910.

⁵ Stearins and fatty acids, inedible, include oleo and lard stearin.

⁶ Salmon, fresh, includes all salmon except canned.

⁷ Average for years 1910 and 1912-1914.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE												
Total							89,979	109,633	129,192	118,988	131,149	138,791
A. Hides and skins, except furs 1,000 lbs.	26,097	54,765	73,449	75,689	63,992	48,419	3,191	7,582	12,031	10,838	11,476	11,063
Cattle hides..... do.	\$ 15,981	38,604	49,916	51,773	37,565	24,189	\$ 2,271	4,587	7,037	6,767	5,945	5,080
Catskins..... do.	\$ 592	7,481	12,941	10,226	15,083	12,078	\$ 108	1,680	3,106	2,027	3,319	3,518
Sheep and goat skins..... do.		1,982	2,783	1,675	1,977	1,939		1,521	859	512	594	616
Other hides and skins..... do.		7,094	7,809	11,965	9,368	8,213		878	1,029	1,526	1,617	1,849
B. Leather							39,083	44,288	52,156	49,815	54,093	55,178
Upper leather (except patent)—												
Cattle, side upper—												
Grain..... 1,000 sq. ft.			14,541	18,265	14,071	11,428			3,927	4,620	3,837	3,718
Black..... do.				5,113	2,305	1,775				1,244	610	584
Other..... do.		15,258		13,152	11,766	9,653		3,638		3,376	3,226	3,134
Finished splits..... do.			4,082	4,563	4,684	4,596			879	645	794	834
Wax and rough splits..... 1,000 lbs.		3,490	3,145	2,855	3,488	3,402		887	1,001	840	1,579	1,813
Calf and kip..... 1,000 sq. ft.	\$ 8,628	21,140	29,276	31,726	32,790	28,502	\$ 2,062	7,150	9,935	10,200	10,719	10,946
Black..... do.				5,525	5,627	5,930				1,812	1,893	2,300
Other..... do.				26,201	27,163	22,572				8,388	8,826	8,646
Sheep and lamb..... do.		17,074	6,467	8,100	8,413	8,262		1,857	996	1,155	1,012	1,075
Goat and kid upper leather (glazed kid)..... 1,000 sq. ft.	\$ 97,885	39,319	45,242	48,546	52,645	48,444	16,789	10,968	12,579	13,486	15,086	14,888
Black..... do.				22,331	22,595	20,523				5,826	6,033	5,984
Other..... do.				26,215	30,050	27,922				7,660	9,053	8,904
Horse and colt..... do.		1,767	554	579	488	651		1,224	188	248	140	207
Other upper leather..... do.			4,045	3,003	2,243	2,374	6,961	1,330	1,041	794	646	764
Patent upper leather—												
Patent side upper leather..... do.			28,891	25,147	30,830	29,183			9,313	7,883	10,520	10,644
Goat and kid..... do.			5,399	3,235	2,512	2,681			2,447	1,442	1,161	1,259
Horse and colt..... do.		33,393	2,055	1,405	1,087	883	1,331	11,418	784	537	406	377
Other..... do.			640	827	1,353	919			185	276	469	347
Sole leather..... 1,000 lbs.	37,632	17,839	19,328	13,438	9,817	10,186	8,568	4,704	5,013	3,846	3,145	3,693
Bands, backs, sides..... do.		10 7,581	7,339	5,538	4,792	3,695		18 2,595	2,628	2,115	1,894	1,875
Other (including offal)..... do.		10 11,138	10,930	6,885	4,389	5,642		10 1,916	2,020	1,405	982	1,462
Cut stock..... do.		10 1,052	1,059	1,015	636	849		10 394	365	327	228	356

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, IN-EDIBLE—Continued												
E. Animal oils and greases, inedible—Continued												
Fish oils.....1,000 lbs.	7,081	864	614	809	692	832	275	140	115	119	80	105
Stearins and fatty acids, except oleo and lard stearin—												
Grease stearin.....1,000 lbs.	1,53,234	13,159	2,629	2,429	3,406	1,452	2,278	1,314	296	270	337	114
Oleic acid, or red oil.....do.			491	852	2,174	6,254			51	86	191	547
Stearic acid.....do.			1,931	1,012	2,353	2,261			283	139	240	257
Other animal greases, oils, and fats.....do.		169,886	31,264	72,765	81,829	62,964	126,219	6,143	9,394	6,954	7,266	5,713
F. Other inedible animals and animal products												
Animals.....							6,635	5,443	7,188	6,748	7,944	8,507
Horses—							5,118	3,327	4,628	3,188	4,027	4,339
For breeding.....number	28,073	13,105	562	570	1,069	822	4,008	1,358	282	190	248	363
Other.....do.			15,643	14,675	8,947	17,433			1,137	925	833	1,027
Mules, asses, burros.....do.	5,125	15,215	26,470	18,832	19,722	18,993	768	1,559	2,722	1,702	2,352	1,027
Other live animals.....do.							342	410	487	372	594	722
Bones, hoofs, and horns, unmanufactured.....1,000 lbs.												
.....do.							151	210	146	79	72	112
Feathers, crude, not dressed.....do.							453	355	598	422	578	725
Feathers, dressed, and manufactures of.....do.								1,248	267	162	162	199
Glue of animal origin.....1,000 lbs.	2,551	2,390	2,546	2,453	2,352	2,547	271	384	385	381	384	426
Sponges.....do.	209	121	98	106	100	115	186	139	122	165	168	147
Wax manufactures.....do.							84	368	288	482	393	250
Other animal products, inedible.....do.							372	463	754	1,869	2,161	2,309
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total.....							253,583	675,699	566,705	553,214	653,169	532,063
A. Grains and preparations												
Barley—							147,263	474,262	351,791	355,687	443,787	315,694
Grain.....1,000 bus. of 48 lbs.	7,896	21,274	29,059	13,586	37,973	51,677	5,073	18,598	26,930	10,371	33,422	44,837
Malt.....1,000 bus. of 34 lbs.	211	5,072	4,704	3,316	2,869	3,260	178	5,773	5,687	3,440	3,048	3,608
Buckwheat.....1,000 bus. of 48 lbs.	32	215	110	101	467	161	21	254	127	122	464	169
Corn—												
Grain.....1,000 bus. of 56 lbs.	39,810	73,180	12,762	23,064	13,428	25,799	25,231	55,349	14,253	19,840	11,432	26,367
Meal and flour.....1,000 bbls. of 196 lbs.	400	568	348	516	387	273	1,351	2,535	2,010	2,500	1,872	1,348
Hominy and corn grits.....1,000 lbs.												
.....do.		187,440	20,055	30,141	23,143	11,542		1,570	490	554	472	291
Corn breakfast foods ready to eat.....do.		15,860	7,923	10,367	8,038	6,729		1,403	598	739	598	521

Oats—													
Grain	1,000 bus. of 32 lbs	8,304	13,972	29,443	11,574	10,053	10,421	3,345	7,313	15,812	5,758	5,269	5,217
Oat meal, flaked and rolled oats	1,000 lbs.	24,320	121,738	151,654	140,900	66,562	84,074	805	4,630	6,262	6,006	4,020	4,293
Rice—													
Grain	do	18,489	316,330	39,907	77,081	239,596	288,702	637	11,876	2,375	3,536	9,742	10,878
Flour, meal, and broken rice	do													26,792	40,410	70,403	90,257	909	1,348	2,058	2,357
Rye—													
Grain	1,000 bus. of 56 lbs	855	34,453	28,675	11,941	35,941	14,499	598	38,938	37,241	12,282	39,677	17,378
Flour	barrels of 196 lbs.	5,579	112,447	36,747	15,667	38,460	31,650	22	536	242	97	236	189
Wheat—													
Grain	1,000 bus. of 60 lbs.	56,913	159,222	86,526	138,275	168,307	96,290	55,063	228,342	148,717	201,739	239,504	119,888
Flour	1,000 bbls. of 196 lbs.	10,679	15,049	11,119	11,850	12,823	11,852	51,127	93,322	85,067	83,133	85,332	73,855
Bread, biscuits, cakes, and crackers	1,000 lbs.	13,048	11,327	16,026	13,935	11,489	10,675	749	1,658	2,399	2,211	2,051	1,966
Plain, not sweetened or flavored	do				8,275	6,617	6,754				1,123	987	1,093
Sweetened or flavored	do				5,660	4,872	3,921				1,089	1,064	873
Macaroni, spaghetti, and noodles	do		17,674	8,557	8,273	8,468	9,979		1,622	727	711	714	900
Other wheat products for table use	do		16,118	9,235	3,612	4,303	3,385		1,478	768	371	339	329
Cereal breakfast foods, n. e. s.	do		1,139,577	6,365	2,247	2,891	2,891	13 2,230	13 1,530	680	307	347	335
Other grains and preparations of	do			8,271	9,404	43,542	14,638	833	950	497	621	1,160	967
B. Fodders and feeds.													
Hay	tons.	56,166	36,576	21,280	13,828	13,538	14,471	29,447	26,736	33,777	28,214	32,917	30,894
Oil and oil-cake meal	1,000 lbs.	1,668,021	1,165,577	1,437,756	1,449,758	1,569,969	1,186,934	23,645	24,695	31,665	26,458	30,186	27,198
Cottonseed cake	do	14 933,288	403,867	561,446	541,231	623,371	409,621	14 12,557	8,387	11,671	8,854	11,498	9,107
Linseed cake	do	14 661,819	553,808	638,532	577,236	646,356	547,475	14 10,044	12,149	14,238	12,109	13,480	13,086
Other oil cake	do		22,370	17,698	14,748	23,017	39,229	14 1,044	347	273	218	346	754
Cottonseed meal	do		156,065	237,523	300,837	257,728	171,397		3,196	4,938	4,951	4,465	3,806
Linseed meal	do		20,607	12,159	13,490	16,941	14,133		451	284	285	330	320
Other oil-cake meal	do		1 11,075	20,398	2,165	2,555	5,079		1 206	361	39	45	115
Kafr and milo	1,000 bus. of 56 lbs.						1,369						1,194
Prepared and mixed feeds	tons of 2,240 lbs.	99,664	14,644	20,975	25,738	46,318	26,987	2,781	578	990	1,015	1,637	1,000
Other feeds, including screenings	do		23,416	20,701	12,335	35,055	43,454	2,034	717	646	433	789	1,200
C. Vegetables and preparations													
Beans, dried	1,000 bus. of 60 lbs.	342	815	499	586	520	344	6,349	19,068	19,065	20,851	21,814	22,666
Peas, dried	do													95	69	126	162	223	951	3,005	2,151	2,089	1,697	1,177
Vegetables, fresh—													
Potatoes, white	do	1,689	3,056	2,323	2,033	2,379	2,698	1,364	3,823	3,226	3,497	3,596	2,254
Onions	1,000 lbs. of 57 lbs.	352	675	516	616	476	561	315	1,082	879	833	716	822
Other fresh vegetables	1,000 lbs.	1 90,212	101,001	116,533	141,356	156,109	1,733	3,212	3,693	4,073	4,550	5,087	5,087
Vegetables, canned													
Asparagus	do		1 49,378	55,361	71,347	80,846	91,143	1,401	4,902	5,918	6,749	7,487	8,691
Baked beans and pork and beans	do		1 8,923	10,776	12,290	15,364	17,718		1 582	1,759	1,870	2,260	2,705
Corn	do		1 7,172	9,317	16,377	14,427	14,017		1 616	818	1,256	1,224	1,197
Peas	do		1 4,598	6,126	4,313	5,017	8,050			336	502	354	362
Soups	do		1 4,120	5,460	4,349	6,109	6,487			1 386	484	389	524
Tomatoes	do		1 13,878	15,669	22,342	23,695	28,279		1 460	1,750	2,075	2,164	2,603
Other canned vegetables	do		1 7,683	5,233	7,266	6,331	5,272			477	346	382	359
	do		1 3,005	2,790	4,411	9,905	10,965			563	259	334	670

¹ Average for years 1922-1925.

² Average for years 1913-14.

¹⁴ Average for years 1923-1925.

¹³ "Cereal preparations other than oat meal and rolled oats" prior to 1922.

⁸ Stearins and fatty acids, inedible, includes also lard and stearin.

¹¹ "Other animal greases" include lubricating greases for 1910-1914.

¹⁴ Oil cake and oil-cake meal are shown under oilcake; not reported separately.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES—Continued												
C. Vegetables and preparations—Continued.												
Pickles.....1,000 lbs.			2,129	1,938	3,453	4,487			253	208	264	393
Ketchup and other tomato sauces.....do		1,10,816	5,820	5,822	7,795	12,791	1,883	1,691	871	942	1,133	1,639
Other sauces and relishes.....do			2,670	2,586	2,969	3,060			559	595	608	684
Vinegar.....1,000 gals.	154	199	200	239	318	226	32	85	120	133	137	140
Yeast.....1,000 lbs.		1,2,846	3,468	3,647	3,478	3,516	200	728	883	980	767	634
Other vegetable preparations.....do		1,1,795	1,660	2,041	2,533	2,409		1,175	170	216	258	245
D. Fruits and nuts												
Fruits and preparations												
Subtropical fruits												
Grapefruit.....1,000 boxes		1,316	447	411	765	679		1,998	1,506	1,773	3,315	2,904
Lemons.....do	176	210	162	296	308	251	1,354	997	889	1,286	1,484	1,430
Oranges.....do	1,186	2,088	1,981	2,692	3,562	2,678	3,004	8,465	9,859	11,416	15,132	13,912
Pineapples.....boxes		1,36,564	36,781	59,256	70,478	44,093		1,145	137	197	221	146
Other fresh fruits												
Apples in boxes.....1,000 boxes		1,4,909	4,922	6,924	6,407	8,149		1,11,400	12,787	15,431	15,015	17,431
Apples in barrels.....1,000 bbls.	1,551	1,493	1,707	3,062	3,042	1,829	5,670	7,988	8,276	15,043	15,173	9,232
Berries.....1,000 lbs.		1,9,668	8,142	8,739	11,106	14,240	1,646	952	960	907	1,142	1,434
Grapes.....do		1,19,650	24,265	30,650	38,715	53,610		1,1,242	1,429	1,536	1,979	2,505
Pears.....do		1,49,627	71,702	68,741	54,695	72,635	773	2,421	4,125	3,603	3,828	4,143
Peaches.....do		1,15,082	16,226	14,464	17,729	22,181		1,639	734	523	777	730
Other fresh fruits.....do		1,35,253	37,447	30,402	47,297	59,415	(1)	1,913	1,525	1,400	1,883	2,295
Dried and evaporated fruits												
Raisins.....do		1,287,970	331,709	363,557	481,690	585,134	14,030	25,571	28,938	30,678	33,797	39,607
Apples.....do	18,004	54,543	125,924	141,038	177,435	226,490	1,070	8,188	9,291	11,178	12,302	12,670
Apricots.....do	35,137	21,304	22,721	28,327	27,664	35,086	2,815	2,478	2,788	2,974	2,998	4,145
Peaches.....do	19,438	20,444	20,161	15,955	20,913	23,843	2,123	3,245	3,512	3,334	3,510	3,547
Prunes.....do	5,482	6,855	4,412	5,335	6,517	9,810	394	693	508	775	671	963
Other.....do	80,428	127,730	146,485	158,076	229,690	267,707	4,715	9,637	11,266	10,635	12,614	16,221
Other.....do		1,11,702	12,006	14,826	19,571	22,198	1,2,908	1,330	1,563	1,780	1,701	2,061
Canned fruits												
Berries.....do		1,210,101	263,361	233,749	247,879	305,762	3,964	20,253	26,830	22,684	23,632	26,760
Apples and apple sauce.....do					6,901	13,089					806	1,334
Apricots.....do		1,13,470	12,858	14,319	12,878	12,447		1,799	754	998	767	1,188
Cherries.....do		1,32,126	33,408	32,360	25,917	28,765		1,2,779	3,041	3,263	2,476	2,644
Other.....do		1,1,720	1,695	1,917	1,802	2,202		1,277	273	306	292	346

Prunes.....do.....		1 ² 2,684	2,882	3,461	3,072	2,231	-----	1 ² 306	312	381	324	218
Peaches.....do.....		1 ² 62,198	84,749	66,599	78,177	96,237	-----	5,525	7,910	6,595	6,519	7,667
Pears.....do.....		1 ² 53,906	69,458	61,890	78,266	5,918	-----	5,918	8,304	5,529	6,205	7,607
Pineapples.....do.....		1 ² 26,321	36,268	31,121	45,993	54,394	-----	2,767	3,547	2,981	4,208	4,885
Other canned fruits.....do.....		1 ² 33,784	22,547	22,746	10,248	9,181	-----	3,712	2,688	2,661	1,035	971
Preserved fruits, jellies, and jams.....do.....		1 ² 2,011	1,556	1,884	2,471	2,062	185	449	333	396	423	383
Other fruit preparations.....do.....		8,258	17,434	27,000	24,851	34,455	-----	917	2,430	3,439	3,341	4,885
Nuts.....do.....		1 ¹¹ 1,153	8,130	9,660	11,022	11,015	630	1,403	1,274	1,486	1,521	1,529
Peanuts.....do.....	6,242	7,707	3,489	4,232	4,827	5,419	319	578	319	347	393	523
Other nuts.....do.....		1 ⁵ 5,142	4,631	5,428	6,195	5,596	311	826	955	1,139	1,128	1,006
E. Vegetable oils and fats, edible.....do.....	291,149	112,728	76,918	50,478	77,141	63,846	19,388	11,901	8,952	5,585	7,292	6,835
Cottonseed oil.....do.....	271,428	96,644	62,416	40,901	67,982	51,702	18,119	9,603	6,517	4,090	5,938	4,657
Crude.....do.....		1 ²⁷ 999	33,554	27,357	51,407	41,126	-----	12,474	3,036	2,486	4,134	3,456
Refined.....do.....		1 ²⁹ 668	28,862	13,544	16,575	10,576	-----	1 ³ 439	3,481	1,604	1,754	1,201
Corn oil.....do.....	19,721	4,404	3,847	1,324	310	337	1,269	548	518	190	35	778
Cocoa butter.....do.....		1,619	2,432	667	342	2,433	-----	447	688	209	130	778
Vegetable oil lard compounds.....do.....		1 ¹² 577	8,223	7,586	5,431	5,681	-----	1 ¹ 628	1,229	1,097	715	760
Other edible vegetable oils and fats.....do.....					3,075	3,693	-----				474	590
F. Cocoa and coffee.....do.....		1 ³⁵ 232	31,132	34,034	24,025	12,688	7,728	7,294	8,679	9,806	6,880	4,113
Cocoa, powdered.....do.....			3,488	2,351	3,464	2,133	440	767	345	304	378	351
Chocolate, including sweetened.....do.....		1 ⁷ 719	1,571	1,181	930	926	-----		333	252	224	226
Coffee, green.....do.....	44,904	26,775	23,584	28,062	16,806	6,440	6,981	5,716	6,893	8,050	5,018	2,066
Coffee, roasted.....do.....	1,490	1,551	1,623	1,371	1,653	2,080	307	447	571	532	603	760
Coffee extracts and substitutes.....do.....		1 ⁷ 49	866	1,069	1,172	1,109	-----	1,454	537	667	658	710
G. Spices.....do.....		1 ¹ 542	1,172	1,081	1,508	1,679	73	204	209	204	240	273
H. Sugar and related products.....do.....							10,725	51,526	40,638	19,295	21,800	20,077
Sugar, refined.....1,000 lbs.....	70,988	882,928	758,716	213,785	250,646	245,173	2,969	39,926	28,160	7,570	10,311	8,548
Molasses.....1,000 gals.....	3,511	4,253	3,107	4,159	6,093	10,693	397	622	440	396	488	959
Confectionery—												
Chocolate.....1,000 lbs.....			2,685	2,040	2,015	2,091	-----		767	566	606	620
Other.....do.....		11,349	11,295	11,402	12,490	12,399	1,086	2,103	1,861	1,959	2,131	2,146
Chewing gum.....do.....		1 ³ 143	4,388	5,026	3,769	3,028	134	1,292	1,907	2,194	1,587	1,353
Honey.....do.....		3,357	5,089	7,754	12,055	10,752	154	362	588	700	1,053	971
Glucose (corn sirup).....do.....	139,527	175,229	146,068	146,718	135,634	122,762	3,116	5,464	5,660	4,694	4,403	4,280
Grape sugar (corn sugar).....do.....	40,997	7,874	2,789	9,752	6,451	8,374	873	274	108	321	224	295
Sirup, including maple.....1,000 gals.....	14,109	5,166	4,445	3,688	2,665	3,024	1,996	1,485	1,192	996	796	905

¹ Average for years 1922-1925.

² Average for years 1913-14.

¹⁰ Average for 1923-1925.

¹³ "Other fresh fruits" are included with "other dried and evaporated."

¹⁸ Average for years 1924-25.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES—Continued												
I. Beverages							3,955	2,022	1,584	1,776	1,884	2,189
Malt extract and sirup.....1,000 gals.	2,679	240	344	422	476	519	1,209	166	268	351	400	429
Distilled liquors.....1,000 pt. gals.	1,512	238	118	294	94	216	2,082	641	157	123	27	102
Flavoring extracts ^U.....1,000 lbs.		1,354	498	397	648	624	127	623	428	457	493	560
Mineral waters, natural and artificial.....1,000 gals.		1,216	207	256	198	195		1,180	179	192	173	184
Other beverages and fruit juices ^U.....do.		1,279	407	424	503	602	337	448	552	652	791	914
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							100,566	276,269	284,619	282,539	290,880	302,743
A. Rubber and manufactures							12,444	39,003	52,830	60,733	70,691	68,545
Rubber, reclaimed.....1,000 lbs.	5,002	4,747	10,240	12,076	19,130	21,453	792	486	1,067	1,425	1,751	1,641
Rubber, scrap and old.....do.	6,801	16,486	30,951	29,843	31,332	43,327	712	768	1,616	1,947	1,946	2,302
Rubberized piece goods and hospital sheeting.....1,000 sq. yds.				1,331	2,331	1,774				682	1,098	862
Rubber footwear—												
Boots.....1,000 pairs.		2,879	457	907	1,013	874	1,263	1,166	2,091	2,372	2,074	2,817
Shoes.....do.			1,481	1,106	1,458	1,911	2,525	1,369	985	1,452	1,709	1,758
Canvas shoes with rubber soles.....do.			13,832	4,642	5,469	4,739	3,313	2,883	3,291	3,969	3,289	3,675
Rubber water bottles and fountain syringes.....1,000 pieces.			300	267	339	360			214	207	222	226
Rubber gloves.....doz. pairs.				69,617	76,204	94,364		978	1,129	244	243	273
Other druggists' rubber sundries.....doz. pairs.									487	447	430	430
Rubber balloons.....1,000 gross.					562	625				759	751	751
Rubber toys and balls.....doz. pairs.								1,135	1,289	846	176	203
Bathing caps.....1,000 dozens.		6,164	184	151	158	162		296	321	334	340	375
Hard rubber goods—												
Electrical hard rubber goods.....1,000 lbs.		1,752	1,132	839	1,247	1,626		1,256	358	279	314	328
Other hard rubber goods.....do.								1,500	595	403	383	353
Tires—												
Casings, automobile.....thousands.		1,1392	1,628	1,497	2,631	2,504		16,288	21,056	24,359	33,789	31,065
Tubes, automobile.....do.		1,135	1,475	1,127	1,631	1,656		1,949	2,973	3,024	3,499	3,531
Other casings and tubes.....do.		1,104	96	71	61	62		292	283	219	174	126
Solid tires—												
For automobiles and motor trucks.....number.		191,972	112,592	98,122	97,001	56,255		2,213	3,180	3,458	2,887	1,803
Other.....1,000 lbs.		1,148	1,715	1,551	1,765	1,852		1,290	430	502	436	400

FOREIGN COMMERCE

Tire rubber accessories and repair materials								1 574	1, 104	1, 612	1, 833	1, 635	
Rubber and friction tape	1,000 lbs.			1, 087	1, 489	1, 590			352	429	429	1, 483	
Rubber belting	do	1 3, 447	4, 079	4, 173	5, 011	4, 887		1, 852	2, 425	2, 657	2, 682	2, 785	
Rubber hose	do	1 4, 402	5, 349	6, 125	7, 118	7, 272	2, 284	1, 769	2, 098	2, 523	2, 671	2, 620	
Rubber packing	do	1 1, 628	1, 915	2, 149	2, 415	2, 629		742	881	1, 097	1, 109	1, 213	
Rubber soles and heels	1,000 doz. prs.					1, 470		754	1, 059	1, 363	1, 526	1, 911	
Rubber thread	1,000 lbs.	1 1, 179	1, 517	1, 460	1, 526	1, 601		1 1, 326	1, 816	1, 958	1, 906	1, 764	
Rubber bands and erasers	do			685	891	913			650	550	639	602	
Other rubber manufactures	do						4, 103	3, 141	2, 392	2, 412	2, 360	2, 613	
B. Naval stores, gums, and resins							23, 363	22, 379	31, 809	36, 885	34, 335	28, 433	
Naval stores—													
Rosin	1,000 bbls. 15'	1, 348	1, 038	1, 172	1, 094	1, 382	1, 174	13, 772	11, 278	18, 889	24, 633	23, 082	27, 616
Gum rosin	do				956	1, 238	1, 022				21, 904	20, 927	15, 563
Wood rosin	do				138	144	152				2, 730	2, 155	2, 053
Gum spirits of turpentine	1,000 gals.	17, 989	10, 636	11, 557	11, 587	15, 810	12, 510	9, 302	9, 988	11, 346	10, 636	9, 505	6, 678
Wood turpentine	do		1 508	584	685	681	1, 042		1 408	439	530	395	524
Tar and pitch of wood	barrels 15'	10 60, 953	10 23, 518	14, 025	13, 702	27, 676	21, 046	10 289	10 244	202	220	256	216
Other gums and resins	1,000 lbs.		1 2, 171	2, 807	3, 095	3, 756	4, 821		1 679	933	845	1, 097	1, 399
C. Drugs, herbs, leaves, and roots, crude								1, 935	3, 174	2, 961	3, 578	3, 587	3, 273
Ginseng	1,000 lbs.	190	168	138	180	169	184	1, 429	2, 031	1, 668	2, 640	2, 556	2, 268
Other crude vegetable drugs	do		1 5, 837	5, 743	4, 922	4, 864	5, 462	506	1, 143	1, 293	937	1, 030	1, 005
D. Oilseeds	do	32, 922	3, 244	3, 686	2, 452	1, 709	2, 211	497	178	279	168	99	98
E. Vegetable oils	do		1 35, 620	38, 565	44, 435	50, 963	53, 725	1, 311	4, 184	5, 277	5, 430	6, 572	6, 180
Expressed oil and fats, inedible—													
Coconut oil	do		14, 579	17, 901	15, 952	20, 418	24, 653		1, 316	1, 764	1, 545	1, 783	2, 088
Linseed oil	do	3, 936	2, 820	2, 487	2, 567	2, 525	1, 965	308	364	355	251	304	228
Soy-bean oil	do		1, 708	520	1, 567	5, 444	7, 142		164	44	191	607	756
Vegetable soap stock	do		1 6, 307	7, 751	12, 399	10, 264	7, 529		1 374	499	681	549	492
Other expressed oils and fats	do			8, 537	8, 816	8, 482	8, 190	347	832	941	1, 067	1, 204	709
Essential or distilled oils—													
Peppermint	do	128	120	68	68	213	177	340	511	776	571	833	604
Other	do		1 1, 028	1, 321	3, 067	3, 617	4, 069	316	698	898	1, 125	1, 291	1, 283
F. Dyeing and tanning materials								838	2, 272	1, 939	1, 839	2, 213	2, 745
Dye extracts—													
Logwood extract	1,000 lbs.		1 2, 072	2, 225	1, 862	2, 724	2, 099		349	252	204	253	209
Other dye extracts	do		1 2, 000	1, 396	666	1, 049	940	345	472	151	138	98	99
Dyeing and tanning materials, crude	tons	1, 208	2, 692	8, 011	1, 341	1, 529	3, 453	34	96	141	60	82	119
Tanning extracts—													
Chestnut	1,000 lbs.		1 8, 297	7, 287	6, 176	5, 875	10, 652		1 268	217	175	176	351
Other	do		1 22, 535	21, 515	24, 847	30, 823	38, 200	459	1, 141	1, 178	1, 262	1, 604	1, 967

1 Average for Years 1922-1925.

2 Average for Years 1911-1914.

3 Average for Years 1924-25.

4 "Fruit juices" are included with "Flavoring extracts" prior to 1924 and with "other beverages" thereafter.

5 Of 500 pounds.

6 Tar, turpentine, and pitch prior to 1922.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 2. VEGETABLE PRODUCTS, INEDIBLE—Contd.												
G. Seeds, except oilseeds.....1,000 lbs.		3,3,008	26,642	29,625	32,536	24,794	2,625	3,822	3,539	3,990	3,648	2,699
Field and garden seeds.....												
Alfalfa.....do		1,780	1,333	742	1,393	782		1,138	219	157	280	147
Red clover.....do			416	584	1,280	456	672		101	153	314	66
Other clover.....do	4,652	2,935	721	1,169	793	390		611	199	254	191	66
Timothy.....do	14,163	17,183	12,485	13,685	16,670	12,220	817	1,262	946	1,021	885	659
Other grass seeds.....do		4,610	5,606	5,889	5,660	5,258	593	747	975	1,116	854	694
Other field seeds.....do			2,022	4,297	2,502	2,374			125	605	171	162
Vegetable and flower seeds.....do			4,059	3,260	4,238	3,314	543	1,062	974	684	949	905
H. Nursery and greenhouse stock							429	439	434	491	434	817
Flowers, cut.....							59	110	125	158	151	179
Fruit stock, cuttings, or seedlings, thousands.....			1,685	2,125	1,575	3,043			99	109	94	280
All other nursery or greenhouse stock, plants, and bulbs.....							370	329			188	353
I. Tobacco and manufactures							50,999	187,219	171,303	157,418	156,194	179,159
Tobacco, unmanufactured.....1,000 lbs.	392,183	502,969	477,489	487,058	511,868	583,845	44,788	164,595	153,787	136,919	139,667	154,465
Leaf tobacco.....do	383,284	487,157	468,471	478,772	506,252	575,411	44,686	163,883	153,351	136,675	139,411	154,133
Bright flue-cured.....do		10 241,259	278,279	287,334	302,425	434,898		10 95,352	109,979	102,607	109,212	128,943
Burley.....do		10 6,472	6,017	6,729	17,844	6,544		10 1,747	1,816	1,385	2,393	1,198
Dark-fired, Kentucky and Tenn.....do		10 146,027	116,974	119,847	112,008	84,014		10 25,908	22,955	18,561	14,759	13,242
Dark Virginia.....do		10 33,258	20,343	18,390	24,277	18,695		10 13,831	7,718	6,149	5,177	3,847
Maryland and Ohio export.....do		10 14,935	13,913	13,592	20,036	10,947		10 2,839	2,622	2,108	2,923	2,069
Green River.....do		10 16,038	17,971	14,076	12,829	8,368		10 3,550	3,906	2,576	1,932	1,368
One-sucker leaf.....do					6,370	3,227					809	539
Black fat, water baler, dark African.....do					619	1,500					118	287
Cigar leaf.....do		10 912	883	619	531	662		10 470	620	442	459	574
Other leaf tobacco.....do		10 37,608	14,092	18,185	9,313	6,566		10 9,532	3,735	2,845	1,630	2,061
Stems, trimmings, and scrap tobacco.....do	3,899	15,311	9,017	8,285	5,617	8,434	102	712	436	242	257	332
Tobacco manufactures							5,511	22,624	17,516	20,499	16,527	24,693
Cigarettes.....millions	1,786	10,182	8,146	9,539	7,093	11,706	2,823	19,631	15,043	17,898	13,837	22,059
Chewing tobacco, plug and other.....1,000 lbs.	6,554	3,538	3,725	3,651	3,728	3,832	1,731	1,775	1,739	1,783	1,856	1,861
Smoking tobacco (including cigar cuttings).....1,000 lbs.	1,350	2,386	1,138	1,036	1,134	1,015	679	931	605	635	728	644
Other tobacco manufactures.....do				529	217	238	275	288	129	184	106	129

FOREIGN COMMERCE

J. Miscellaneous vegetable products -----							6,825	13,593	14,448	12,027	13,110	11,815			
Starch—															
Cornstarch and corn flour	1,000 lbs.	96,206	250,075	222,267	203,789	242,870	236,746	2,163	7,069	7,978	6,241	7,474	7,893		
Other starch	do		15,592	10,482	21,551	9,651	4,336							460	379	623	334	196
Broom corn	tons		4,122	4,912	4,082	4,048	4,513	393	668	632	537	479	634		
Brooms	dozens		1 19,367	22,133	18,235	18,540	15,942	2 159	112	126	99	101	85		
Hops	1,000 lbs	15,548	18,236	20,655	12,833	14,119	7,985	4,112	4,830	4,534	3,355	3,525	1,804		
Other inedible vegetable products														1,203	
GROUP 3.—TEXTILES															
Total -----							614,066	997,187	1,278,370	1,009,537	1,021,357	1,124,439			
A. Cotton, unmanufactured -----							551,890	804,985	1,059,762	814,429	826,308	920,008			
	1,000 bales	8,532	6,839	8,582	9,048	9,478	8,732	}	}	}	}	}	}	}	
	1,000 lbs	4,419,802	3,420,430	4,364,159	4,691,579	4,897,063	4,579,427								
Lint cotton	1,000 bales		6,528	8,362	8,916	9,199	8,546	}	}	}	}	}	}	}	
	1,000 lbs		3,363,726	4,296,281	4,620,744	4,739,823	4,471,843								
Long staple (1½ inches or over)	1,000 bales	22			2	1		}	}	}	}	}	}	}	
Sea-island	1,000 lbs	8,440	226	171	1,111	776	356								
Other ²⁰	1,000 bales	8,510	2,222	1,623	1,286	1,194	1,104	}	}	}	}	}	}	}	
	1,000 lbs	4,411,362	1,150,372	839,761	674,856	621,861	579,211								
Short staple (under 1½ inches)	1,000 bales		1,532	6,739	7,628	8,093	7,441	}	}	}	}	}	}	}	
	1,000 lbs		2,706,410	3,456,349	3,944,776	4,117,187	3,892,276								
Linters	1,000 bales		111	170	132	279	186	}	}	}	}	}	}	}	
	1,000 lbs		56,704	87,878	70,835	157,239	107,584								
B. Cotton semimanufactures -----							4,852	15,395	22,212	19,060	23,997	24,225			
Cotton-mill waste	do		62,273	59,245	66,788	96,522	63,429	3,833	6,739	8,721	6,078	3,651	7,119		
Cotton rags, except paper stock	do	2 10,359	13,559	19,068	12,590	15,407	19,199	2 496	967	1,591	850	1,022	1,423		
Cotton batting, carded cotton, and roving	1,000 lbs						415						76		
Cotton yarn—															
Carded yarn, not combed	do	}	}	}	}	}	}	}	}	}	}	}	}	}	
Combed yarn	do														
Mergerized	do	15,439	13,506	14,794	17,496	13,160	13,465	}	}	}	}	}	}	}	
Not mergerized	do		8,386	9,242	11,045	13,465	11,098								
	do				8,573	11,098	2,367			5,708	5,237	5,724	4,877		
	do							621	7,690	6,188	6,895	8,600	10,725		
	do											7,410	9,490		
	do											1,191	1,235		
C. Cotton manufactures -----							40,502	117,657	123,955	109,708	109,189	110,417			
Cotton thread and cordage—															
Sewing thread	1,000 lbs		1 1,400	960	1,299	1,237	1,031		1,660	1,047	1,280	1,128	1,023		
Crochet, darning, and embroidery cotton	1,000 lbs		1 186	98	123	136	135		1 202	136	160	157	160		
Twine and cordage	do		1 3,538	4,586	4,994	4,500	3,755		1 1,569	2,036	1,892	1,664	1,491		
Cotton cloth, duck, and tire fabric															
Tire fabric—	1,000 sq. yds. ²¹	398,574	524,932	543,317	513,300	565,021	546,847	27,052	79,875	85,011	74,589	76,756	79,298		
Cord	do				787	3,454	4,742				386	1,406	2,113		
Other	do				1,216	1,325	1,068				463	393	524		

¹ Average for years 1922-1925.

¹⁰ Average for years 1923-1925.

² Average for years 1913-14.

²⁰ Data for 1910-1914 are "Upland and other" and include linters.

²¹ Stated in thousands of linear yards prior to Jan. 1, 1922.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued.

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FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 3. TEXTILES—Continued.												
C. Cotton manufactures—Continued.												
Cotton cloth, duck, and tire fabric—Contd.		9,597	11,557	11,302	15,161	13,847		4,229	5,065	4,184	4,740	4,776
Cotton duck, 1,000 sq. yds. ²¹												
Heavy filter, paper dryer, hose, and belting duck, 1,000 sq. yds.						640						451
Unbleached (gray) do		7,451	9,024	9,166	11,927	9,905		3,410	4,150	3,413	3,755	3,816
Once do					5,998	5,162					1,636	1,488
Numbered do					5,930	4,743					2,121	1,828
Bleached do		1,330	1,717	1,253	1,927	1,935		520	617	453	610	558
Colored do		817	816	833	1,307	1,367		300	298	318	374	451
Cotton cloth do		515,335	531,760	499,995	544,881	526,590		75,646	79,946	69,556	70,216	71,885
Unbleached do	195,667	147,866	129,581	119,608	125,719	124,293	13,488	16,347	15,096	12,455	11,356	11,713
Drills and twills do						13,481						1,664
Sheetings, 40 inches and under do						73,485						6,586
Sheetings, over 40 inches do						1,628						191
Osnaburgs do						20,275						2,083
All other do						15,474						1,189
Bleached do	33,848	87,278	92,938	98,359	87,301	96,209	2,590	12,658	13,352	12,371	9,984	11,098
40 inches wide and under do						90,222						10,222
Over 40 inches wide do						6,047						876
Colored do	169,059	280,191	309,240	282,029	331,862	306,028	10,974	46,641	51,499	44,730	48,876	49,074
Voiles do						46,020						7,327
Percales and prints—												
32 inches and narrower do						33,522						3,549
Over 32 inches wide do						11,863						1,577
Flannels and flannelettes do						4,898						728
Khaki and fustians do						4,342						876
Denims do						14,518						2,857
Suitings (drills, etc.) do						27,223						4,618
Ginghams do						13,324						1,512
Chambrays do						12,339						1,372
All other printed fabrics do						40,912						7,815
All other piece-dyed fabrics do						58,681						9,470
All other yarn-dyed fabrics do						23,309						3,715
Cotton and rayon mixtures (cotton chief value), 1,000 sq. yds.						15,077						4,168

Other cotton fabrics—											
Blankets.....	1,000 lbs.	1,421	1,265	1,492	1,583	1,353	894	818	860	926	817
Damasks.....	1,000 sq. yds.	518	434	306	372	780	1,178	160	108	97	213
Pile fabrics, plushes, velveteens, and corduroys.....	1,000 sq. yds.	1421	335	417	590	635	1,399	355	430	546	513
Tapestries and other upholstery.....	do.	196	53	66	78	432	1,126	84	86	112	258
Other cotton goods.....	1,000 lbs.	3,902	3,250	2,649	3,703	9,004	1,915	1,520	1,226	1,503	3,337
Cotton wearing apparel.....											
Knit goods—											
Gloves.....	doz. prs.	172,034	129,424	130,772	149,753	88	1,130	232	270	212	158
Hosiery.....	1,000 doz. prs.	4,564	5,534	4,745	4,337	3,875	9,114	10,494	8,407	7,330	6,728
Women's.....	do.					2,032					3,701
Children's.....	do.					715					1,125
Men's socks.....	do.					1,130					1,903
Underwear.....	1,000 doz.	1,234	1,019	794	663	584	1,968	4,476	3,828	3,214	2,541
Sweaters, shawls, and other knit outerwear.....	1,000 pcs.			570	509	566		455	445	495	412
Other wearing apparel—											
Collars and cuffs.....	1,000 doz.	1,343	428	363	356	287	522	683	570	525	425
Overalls, breeches, pants.....	doz.	15,040	11,707	11,987	12,715	33,255	1,247	177	168	166	421
Underwear, not knit.....	1,000 doz.	1,190	222	201	162	120	1,021	1,213	922	750	581
Shirts.....	do.	1,216	217	203	210	184	2,918	2,497	2,340	1,988	1,769
Dresses, skirts, and waists.....	1,000 pcs.	1,308	241	233	209	456	1,425	290	223	229	511
Other cotton clothing.....							2,299	2,311	1,898	1,619	1,176
Other cotton manufactures—											
Handkerchiefs.....	1,000 doz.	1,344	286	259	225	238	1,242	190	179	143	156
Laces, embroideries, and lace window curtains.....	1,000 yds.	7,005	7,387	8,970	6,406	5,431	2,198	420	310	258	216
Cotton belting for machinery.....	1,000 lbs.	1,407	473	549	521	478	10,197	263	292	321	285
Cotton bags.....	do.	1,374	5,414	6,811	6,575	9,354	1,192	1,980	1,705	1,393	2,065
Quilts, comforters, counterpanes, etc. number.....		82,121	83,856	89,332	87,589	193,898	1,154	180	154	137	275
Bed sheets, pillow, bolster, and mattress cases.....	doz.	18,493	21,448	18,172	24,486	29,326	1,176	201	171	172	218
Towels, bath mats, wash cloths.....	1,000 doz.	1,389	376	452	485	784	1,890	864	927	899	1,097
Other cotton manufactures.....							5,519	7,771	6,883	7,248	4,661
D. Jute manufactures.....											
Jute yarn, cordage, and twine.....	1,000 lbs.	1,028	902	835	1,042	1,247	1,048	2,769	3,740	3,581	3,428
Bagging for covering cotton.....	1,000 sq. yds.	1,821	1,586	3,013	932	709	2,510	2,196	167	171	196
Bags of jute.....	1,000 lbs.	31,062	32,551	25,011	29,099	30,161	538	1,166	168	307	87
Other jute manufactures.....	do.			2,836	2,843	3,986		2,142	3,055	2,794	3,150
								1,373	308	222	335
E. Flax, hemp, and ramie manufactures.....											
							1,378	434	481	434	519

¹ Average for years 1922-1925.² Average for years 1913-14.¹⁰ Average for years 1923-1925.²¹ Stated in thousands of linear yards prior to Jan. 1, 1922.²² Date prior to 1922 are all twine of vegetable fibers other than binder twine.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued.

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 3.—TEXTILES—Continued												
F. Other vegetable fiber manufactures							9,580	9,480	9,226	6,970	4,882	6,345
Cordage, except of cotton or jute—												
Binder twine.....1,000 lbs.....	94,403	61,289	54,247	36,500	19,286	30,525	7,027	7,140	7,107	4,712	2,253	3,303
Manila cordage.....do.....			5,034	5,100	4,630	4,329			1,138	1,107	940	767
Sisal or henequen cordage.....do.....			1,238	1,135	749	4,899			1,159	150	88	478
Other cordage.....do.....			790	463	492	533			159	98	80	107
Oakum.....do.....	1,351	1,761	2,066	1,864	2,027	2,098	61	144	183	167	181	173
Other vegetable fiber, straw, or grass manufactures.....do.....							24 1,505	24 990	480	736	1,338	1,517
G. Hats of straw or fiber and materials								983	558	417	387	533
Hat braid of straw or other fiber.....1,000 yds.....		1 15,855	7,034	6,928	9,254	9,435		1 150	82	65	111	88
Hats of straw, palm leaf, etc.....1,000 hats.....		1 528	404	340	319	725		863	476	352	276	445
I. Wool and mohair, unmanufactured.....1,000 lbs.....	92	699	273	292	323	485	31	204	146	121	189	180
J. Wool semimanufactures												
Wool rags.....1,000 lbs.....	14,987	9,293	9,054	11,093	15,124	18,270	521	934	941	1,024	1,175	1,650
Wool noils and waste.....do.....	24,979	8,580	8,380	10,291	14,293	17,397	867	641	681	807	987	1,366
Wool yarns.....do.....		1 774	618	769	796	828		1 138	127	158	121	195
		1 118	56	33	35	45		1 229	133	59	67	89
K. Wool manufactures												
Fabrics wholly or chiefly of wool—							2,916	6,708	4,932	3,954	3,978	4,870
Wool cloth and dress goods.....1,000 lbs.....		938	425	335	349	345						
.....1,000 yds.....		1,401	716	520	531	498		1,869	895	648	695	653
Mohair cloth.....1,000 lbs.....		1 97	63	55	46	83						
.....1,000 yds.....		1 184	120	99	111	133		1 216	151	163	133	181
Other wool fabrics.....1,000 lbs.....		1 112	60	43	44	58		1 156	87	61	70	98
Carpets and rugs of wool.....sq. yds.....		1 79,333	58,971	96,116	80,557	124,600		1 234	207	282	332	667
Wool felts.....1,000 lbs.....		1 408	390	320	259	238		1 519	553	483	371	305
Wool wearing apparel—												
Knitted bathing suits.....dozen.....					12,036	26,036						
Other knit goods.....do.....					37,554	36,618		1 440	544	725	342	723
Men's and boys' overcoats, suits, pants,.....1,000 pieces.....				173	186	136	1,872	1,412	1,210	639	558	654
Women's and children's wool clothing,.....1,000 pieces.....				47	49	54		1,012	573	355	373	456
Other wool or mohair manufactures.....do.....							1,044	1,163	712	568	709	667

I. Hair and manufactures.....1,000 lbs	1 16,249	18,227	15,336	20,819	23,981	1,389	1,693	2,555	2,218	2,846	2,698
Hair, unmanufactured—											
Cattle.....do	1 15,821	7,126	6,185	7,273	10,664	} 1,267	1,414	{ 875	671	715	904
Other.....do		10,588	8,281	12,459	12,065						
Hair manufactures.....do	1 428	513	870	1,087	1,252	2 284	279	307	314	315	390
A. Silk manufactures						1,891	12,992	18,181	17,788	15,299	18,648
Tram, organzine, hard twists, and spun silk.....pounds	1 86,840	201,712	89,808	128,927	174,539		1 392	573	586	679	951
Sewing, embroidery, and crochet silk.....do	1 81,288	32,204	74,715	97,203	78,368		1 623	689	609	703	622
Fabrics wholly or chiefly of silk—											
Broad silks.....1,000 yds	2,568	2,533	3,201	2,289	2,854		3,146	3,152	3,870	2,768	3,448
Velvets, plushes, and chenilles, including ribbon.....pounds	1 68,962	45,304	40,355	27,761	17,836		1 223	124	114	98	62
Silk ribbons, except velvet and plush.....1,000 yds	10 7,094	6,221	4,820	3,245	2,750		1 489	315	262	206	127
Silk wearing apparel—											
Underwear.....number	1 70,323	109,649	83,226	71,389	50,850		1 155	237	169	144	105
Dresses, skirts, waists, and blouses.....do	1 79,484	74,814	102,768	115,524	197,040		1 893	905	1,093	1,182	1,818
Hosiery.....1,000 doz. pairs	1 685	1,202	960	779	900		1 6,271	10,368	8,995	8,021	9,658
Women's seamless.....do					96						737
Women's full fashioned.....do					657						8,114
Children's.....do					17						65
Men's socks.....do					130						742
Other silk wearing apparel.....do							1 658	677	507	384	612
Other silk manufactures.....do							1 361	1,141	1,643	1,119	1,245
O. Artificial silk (rayon) manufactures											
Yarn.....1,000 lbs	25 148	148	400	401	195			8,701	7,651	7,378	6,351
Embroidery, crochet, and knitting thread.....1,000 lbs							25 290	290	521	754	291
Tapestry and drapery fabrics.....sq. yds					19						51
Woven and knit dress and piece goods.....1,000 sq. yds					90						68
Hosiery.....1,000 doz. pairs	1,126	1,561	1,252	1,172	3,019						1,288
Women's.....do					1,091		4,794	6,177	4,709	3,952	3,613
Children's.....do					616						2,279
Men's socks.....do					106						267
Knit underwear.....dozens					369						1,067
Ribbons, braids, fringes, and narrow trimmings.....1,000 yds			3,641	12,859	40,300				45	133	335
Other artificial silk manufactures.....do					3,633						114
							2,099	2,234	2,406	2,540	591
P. Miscellaneous textile products						1,696					
Linoleum.....1,000 sq. yds	3,715	650	787	1,093	1,721		16,194	28,097	22,158	21,920	24,310
Felt base and oilcloth floor coverings.....do		4,159	2,898	3,480	5,198	114	1,578	412	561	717	1,173
Coated or waterproof fabrics.....do								1,554	1,072	1,325	1,855
Oilcloth, except for floors.....do	1 9,002	10,222	9,261	10,599	10,764	530	2,085	2,546	2,237	2,305	2,344
Window shade and book cloth.....do	10 1,921	2,445	3,023	2,752	2,866		1 415	558	644	523	533

1 Average for years 1922-1925.

2 Average for years 1913-1914.

3 Average for years 1912-1914.

4 Average for years 1923-1925.

28 Data prior to 1922 are "cordage of all vegetable fibers."

29 Data prior to 1922 are "other manufactures of all vegetable fibers, straw, and grass."

30 1925 only.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

520

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 3.—TEXTILES—Continued												
P. Miscellaneous textile products—Continued												
Coated or waterproof fabrics—Continued.												
Leather cloth, or artificial leather												
1,000 sq. yds.	19 4,455	5,520	4,981	5,268	6,202	2,402	2,420	3,533	3,091	2,955	3,555	
Waterproofed auto cloth ²⁵ do.	10 2,285	2,962	2,191	2,178	2,349		1,190	1,537	1,247	1,097	1,287	
Waterproofed outer garments . . . thousands.		276	217	358	372		1,605	703	513	729	777	
Corsets, brassieres, and girdles . . . 1,000 pieces.		1,691	967	1,427	1,402	1,387	2,227	1,847	1,967	2,180	1,902	1,786
Pajamas, nightshirts, gowns . . . dozens						13,220						152
Hats and caps, except straw or other fiber—												
Men's and boys' fur-felt hats . . . thousands.	1,327	279	386	372	474		1,042	1,267	1,835	1,685	2,047	
Women's and children's fur-felt hats . . . do.		76	56	43	84			260	167	108	218	
Wool-felt hats . . . do.	1,205	169	110	184	453		1,374	286	184	224	384	
Other hats and caps . . . do.	1,1328	1,328	1,037	1,066	1,131		1,135	1,228	977	866	854	
Hat trimmings, artificial flowers, etc.												
Mattresses, cotton, kapoc, moss, hair . number.	112,472	11,837	12,550	21,236	28,295		1,109	105	110	124	173	
Absorbent cotton, gauze, and surgical dressings . . . 1,000 lbs.	15 2,934	3,038	3,199	3,165	3,275		16 2,118	2,221	2,284	2,149	3,238	
Elastic webbing . . . 1,000 yds.					32,647						1,297	
Garters and arm bands . . . 1,000 doz. prs.	1,482	607	721	606	567		1,682	815	923	390	835	
Suspenders and braces . . . dozens.	158,662	47,757	35,518	30,999	27,166		1,196	155	114	102	92	
Other textile manufactures							12,097	3,357	3,547	3,772	2,255	
GROUP 4.—WOOD AND PAPER												
Total												
							108,636	153,263	176,062	178,747	192,159	200,891
A. Wood unmanufactured												
Logs and hewn timber—												
Hardwoods—												
1,000 ft. b. m.	15,446	24,427	12,338	19,302	16,411		1,008	1,561	769	1,340	1,297	
Softwoods—												
Southern pine . . . do.		7,686	13,340	4,215	2,463			323	553	169	101	
Douglas fir . . . do.		8,095	28,296	32,514	34,483	3,770		161	475	528	515	
Cedar . . . do.	109,275	107,790	138,463	186,976	261,520		3,376	3,120	3,595	4,112	5,953	
Other soft woods . . . do.		13,535	50,558	80,690	116,136			242	695	1,184	1,670	
Railroad ties . . . thousands.	15,270	2,702	3,105	3,761	3,550	4,163	2,591	2,978	2,975	3,508	3,560	
Hardwood . . . do.		1,564	411	194	224	296		1,799	646	216	281	
Softwood . . . do.	12,026	2,694	2,618	2,488	2,949	2,488	1,826	2,329	2,201	2,201	2,088	
Crossed or otherwise preserved . . . do.			949	839	818				1,091	1,191	1,205	

FOREIGN COMMERCE

Piling.....	1,000 lin. ft.	1 1,514	1,627	4,472	4,686	6,458	1,433	444	987	1,228	2,047																					
Telegraph, trolley, and electric-light poles	number	1 51,766	54,968	63,455	44,871	89,237	1 274	315	312	214	429																					
Firewood and other unmf'd.....	1,000 cu. ft.	1 2,245	2,303	3,278	2,425	2,931	284	195	187	190	198																					
B. Wood, semimanufactures—sawmill products.																																
Sawed timber.....	1,000 ft. b. m.	482,624	475,658	554,519	737,161	781,699	756,966	10,837	14,748	15,934	18,428	20,428	19,443																			
Softwoods—																																
Southern pine.....	do	482,624	322,522	147,638	154,467	121,680	178,395	160,740	10,837	8,839	6,354	4,867	7,995	6,751																		
Douglas fir.....	do			340,742	555,338	544,827	556,224	10,837							5,576	7,309	11,499	11,225	11,262													
Cedar.....	do			35,581	27,955	5,257	2,499													10,837	8,839	1,438	1,025	187	106							
Oth softwoods.....	do			20,212	27,415	26,556	30,999																			10,837	8,839	584	735	622	885	
Hardwoods.....	do			5,498	3,517	1,930	1,094																									10,837	8,839	333	250	138	69	106
Creosoted or otherwise preserved—																																
Southern pine.....	do			1,309	3,743	4,133						94	229	284																		
Other sawed timber.....	do			1,534	1,827	753						72	100	39																		
Boards, planks, and scantling.....	do	2,221,261	1,668,945	1,947,809	1,956,727	2,188,692	2,353,890	50,686	60,165	83,027	78,219	86,465	88,592																			
Softwoods.....	do	1,391,617	1,585,725	1,604,189	1,781,336	1,897,043		48,887	57,275	53,224	58,804	59,179																				
Cypress.....	do	2 14,443	8,246	9,069	8,500	10,849	7,538	2 438	557	589	501	598	492																			
Douglas fir.....	do	5 658,298	563,869	607,908	694,486	685,907	768,076	8 8,333	13,856	13,925	15,273	15,379	16,624																			
Rough.....	do	10 560,274	587,424	587,424	651,478	627,791	703,404		10 14,141	13,213	14,042	13,764	14,914																			
Dressed.....	do	10 22,862	20,484	43,003	58,116	64,672			10 936	712	1,231	1,615	1,710																			
Southern pine.....	do	8 890,770	586,975	701,046	581,564	710,549	708,735	8 18,339	24,291	31,548	25,779	30,312	29,004																			
Rough.....	do	10 557,469	610,841	491,454	614,781	625,213			10 23,936	27,737	21,874	26,355	25,533																			
Dressed.....	do	10 117,190	90,205	90,110	95,768	83,522			10 4,983	3,811	3,905	3,968	3,471																			
White, western, and sugar pine.....	do	8 255,437	49,079	34,673	32,038	33,783	32,976	8 6,565	2,534	2,111	1,991	1,941	1,911																			
Cedar.....	do					19,094	25,645					878	1,184																			
Redwood.....	do	2 59,529	38,795	46,235	47,855	65,630	59,815	2 1,636	2,593	3,257	2,647	3,702	3,847																			
Spruce.....	do	3 18,516	27,635	27,701	20,497	24,862	29,004	3 563	1,410	1,595	1,423	1,034	1,223																			
Hemlock.....	do	10 120,973	126,972	179,669	211,607	256,143			10 3,013	2,698	3,856	4,256	5,101																			
Small softwood dimension stock.....	do			10,417	10,764	4,576					316	384	140																			
Other softwoods.....	do		44,435	32,121	29,163	8,291	4,535		1,836	1,552	1,428	319	153																			
Hardwoods.....	do		277,168	362,084	352,538	407,356	461,847		20,279	25,752	24,995	27,601	29,411																			
Ash.....	do	10 20,812	25,141	17,526	26,134	30,083			10 1,497	1,756	1,171	1,717	2,003																			
Birch, beech, maple.....	do			5,135	8,092	15,179					441	575	846																			
Chestnut.....	do		1 7,870	7,098	7,879	9,150			1 562	470	431	521	589																			
Cottonwood.....	do					5,560							318																			
Gum.....	do	8 71,550	46,412	54,633	59,035	52,194	60,081	8 2,130	2,398	2,794	3,071	2,629	2,889																			
Red and sap.....	do					51,243	52,285					2,552	2,556																			
Tupelo and black.....	do					951	7,796					36	333																			
Hickory.....	do		1 3,309	4,419	3,645	4,207	4,518		1 818	429	311	377	451																			
Oak.....	do	8 247,143	136,157	183,590	177,835	212,202	229,404	8 11,184	9,288	12,070	12,188	13,773	13,600																			
Poplar.....	do	8 30,539	21,798	30,644	32,207	34,554	38,985	8 1,384	1,799	2,202	2,171	2,190	2,324																			

¹ Average for years 1922-1925.
² Average for years 1913-14.

⁸ Average for years 1912-1914.
¹⁰ Average for years 1923-1925.

¹⁶ Average for years 1924-25.
²⁸ "Waterproofed auto cloth and rubberized fabrics" prior to 1926.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

522

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 4.—WOOD AND PAPER—Continued												
B. Wood, semimanufactures, etc.—Continued												
Boards, planks, and scantling—Continued												
Hardwoods—Continued												
Walnut.....1,000 ft. b. m.		17,702	10,893	8,522	10,218	13,019		1,090	1,508	1,104	1,279	1,663
Mahogany.....do		16 17,422	19,002	17,955	17,043	16,010		19 2,512	2,694	2,697	2,555	2,380
Wagon-oak planks.....do				1,409	7,565	6,853				94	501	425
Small dimension stock.....do				1,950	1,640	5,391				201	185	550
Other hardwoods.....do		38,241	26,664	19,440	24,357	23,315		3,313	1,829	1,115	1,360	1,375
Other sawed lumber.....do		17,258	5,282	4,620	4,456	4,853	4,363	850	304	340	216	252
Lath.....thousands		131,300	26,099	49,348	29,240	21,384		1 188	126	239	146	92
Shingles.....do	59,640	30,570	41,603	53,927	87,948	114,166	149	163	196	218	322	420
C. Wood manufactures												
Cooperage.....thousands	69,246	69,746	81,928	67,567	81,425	80,462	5,853	3,879	4,828	4,136	4,816	4,676
Staves.....do		123,898	31,511	28,156	32,032	33,388		1 3,206	4,075	3,554	4,033	3,997
Tight staves.....do		142,112	50,417	39,411	49,394	47,074		1 742	753	383	783	679
Slack staves.....do		1 3,335	4,402	3,444	4,827	3,726	322	421	598	625	1,041	717
Heading.....1,000 sets				1,190	1,969	1,377				454	765	531
Tight heading.....do				2,254	2,858	2,349				171	277	186
Slack heading.....do												
Cooperage shooks—												
Tight.....do		1,688	1,056	1,240	1,221	779	1,957	3,493	3,707	4,034	3,565	2,563
Slack.....do			879	892	1,365	441			535	561	825	279
Tight empty barrels, casks, hogsheads.....thousands	1 360	304	353	399	357	546	873	852	846	978	814	
Box shooks—												
Southern pine.....1,000 bd. ft.			11,344	10,743	14,063	15,373			528	569	718	702
Hemlock.....do			43,859	72,377	49,144	67,611			1,337	2,085	1,405	1,992
Spruce.....do		1 86,832	1,691	2,691	5,716	4,322	1,188	3,179	67	85	209	125
Gum.....do						5,261						300
Other.....do			40,121	34,820	28,186	14,933			1,807	1,687	1,239	661
Veneers.....1,000 sq. ft.			56,930	72,173	65,901	83,774			1,571	1,869	1,626	2,248
Plywood.....do		1 55,347	17,562	19,141	17,206	27,676		1,669	691	753	779	1,285
Veneer fruit and vegetable packages.....do												92
Hardwood flooring.....1,000 ft. b. m.		10 6,384	7,171	7,132	11,287	15,300		10 483	492	484	710	986
Doors.....thousands			1,371	1,825	2,122	1,675			2,700	3,351	3,730	2,961
Sash and blinds.....do		10 1,022	61	53	81	123	1,086	1,643	118	126	153	211
Trimnings and moldings.....1,000 lin. ft.		10 4,644	5,203	6,048	6,997	10,513	808	256	220	225	235	345

FOREIGN COMMERCE

Cane and reed manufactures, n. e. s.								1 429	401	352	287	235
Furniture of wood—												
Chairs..... thousands		1 186	181	194	196	173		721	631	689	694	724
Office furniture.....								297	274	296	279	279
Store fixtures.....							6, 367	2, 371	217	354	167	179
School and church furniture.....								246	162	268	241	268
Other wood, willow, and wicker furniture.....								1, 405	1, 591	1, 758	1, 758	2, 297
Boat oars and paddles..... number		1 92, 794	101, 711	78, 689	75, 916	93, 547		202	220	176	189	215
Wagon and other vehicle stock.....												246
Plow and similar bent handles..... 1,000 doz						27						68
Hoe, fork, shovel, broom, and other long handles..... 1,000 doz				300	909			2, 009	559	454	973	889
Handles for striking tools..... do				1, 353	970	560			1, 827	1, 796	1, 283	1, 262
Pencil slats..... 1,000 lbs					14, 368	13, 704					1, 833	1, 838
Woodenware.....							616	268	203	273	466	593
Other wood manufactures.....							7, 034	9, 563	10, 053	10, 326	7, 747	7, 505
D. Cork manufactures.....							284	903	1, 492	1, 547	1, 613	1, 747
Disks, washers, and washers..... 1,000 gross		10 3, 271	4, 601	5, 906	5, 182	3, 839		1 142	184	206	209	155
Crown bottle caps..... do		16 3, 918	4, 371	3, 792	3, 812	3, 649		16 314	873	801	804	745
Stoppers..... 1,000 lbs		1 296	153	194	370	730		1 108	74	84	142	227
Other cork manufactures..... do		1 2, 216	2, 771	16, 630	2, 933	4, 615		1 302	361	456	458	620
E. Paper base stocks.....							1, 928	3, 704	5, 783	4, 964	5, 412	6, 102
Pulpwoods..... cords		1 14, 380	8, 226	12, 662	59, 059	27, 518		1 122	87	114	485	221
Wood pulp.....												
Sulphite wood pulp..... tons of 2,240 lbs.			22, 675	20, 875	24, 252	22, 272			1, 362	1, 346	1, 266	1, 308
Soda wood pulp..... do	11, 144	26, 097	2 455	1, 601	2 027	2 441	483	1, 744	228	133	177	194
Other wood pulp..... do			8 734	8, 078	2 233	5 183			856	606	91	27
Rags and other paper stock..... 1,000 lbs.	56, 103	105, 109	176, 921	195, 020	217, 798	230, 626	1, 445	1, 863	3, 275	2, 765	3, 394	4, 103
F. Paper and manufactures.....							10, 882	24, 809	23, 844	26, 830	24, 946	30, 933
Printing paper—												
Newsprint paper..... 1,000 lbs.		39, 352	45, 476	33, 516	24, 657	22, 780		1, 987	2, 025	1, 849	1, 191	866
Book paper, not coated..... do	118, 795	26, 333	17, 348	13, 085	16, 045	24, 511	3, 611	3, 143	1, 935	1, 722	1, 371	1, 790
Cover paper..... do		11, 209	1 215	1 560	1 651	2 038		1 207	231	269	283	341
Grease proof and waterproof paper..... do		11, 665	2 115	2 419	2 613	3 107		1 193	282	354	381	490
Wrapping paper..... do		27, 928	28 736	33, 015	32 312	36 757	2 556	2 170	2 173	2 234	2 256	2 587
Surface-coated paper..... do		1 3, 725	3 802	5 903	5 973	11 157		1 560	562	745	768	1, 137
Tissue and crepe paper..... do			3 742	4 400	4 801	4 995			958	1, 080	1, 092	1, 096
Toilet paper..... do		1 7, 966	5 044	5 272	5 528	6 448		1 281	604	648	669	685
Paper towels and napkins..... do		1 1, 274	1 618	2 030	2 360	3 018		200	244	295	332	400
Box board..... do		25 22, 482	22 482	52 469	43 634	48 670		25 796	796	1 502	1 351	1 354
Bristols and bristol board..... do		11, 340	1 133	1 527	1 845	1 979		1 144	130	173	180	221
Other paper board and strawboard..... do		1 52, 223	32 375	40 313	38 555	42 124		2 291	1 581	2 030	2 073	2 150
Sheathing and building paper..... do		1 7, 479	12 834	11 906	12 802	14 854		1 334	591	506	503	551
Wall board of paper or pulp..... 1,000 sq. ft.		1 14, 907	14 097	25 476	45 909	61 601	2 63	544	475	879	1 506	2 069
Blotting paper..... 1,000 lbs.		10 2, 186	2 920	3 175	3 667	3 921		10 326	356	403	411	446

¹ Average for years 1922-1925.

² Average for years 1913-14.

⁷ Average for years 1910 and 1912-1914.

¹⁰ Average for years 1923-1925.

¹⁶ Average for years 1924-25.

²⁶ 1925 only.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

524

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 4.—WOOD AND PAPER—Continued												
F. Paper and manufactures—Continued.												
Filing folders, index cards, and other office forms.....1,000 lbs.		1 ⁰ 550	649	808	1,036	1,502		1 ⁰ 190	219	237	322	516
Papeteries (fancy writing paper).....do		1 ⁵ 926	541	705	706	752	1,238	1,719	191	213	186	196
Other writing paper.....do			4,022	10,406	13,228	25,834			709	1,662	1,918	2,833
Paper hangings (wall paper).....1,000 yds.		1 ²¹ 421	22,754	22,142	29,390	33,951	401	555	590	572	603	642
Paper bags.....1,000 lbs.		1 ¹⁰ 930	12,881	11,534	11,247	9,155	2 429	975	1,134	1,024	971	801
Boxes and cartons.....do		1 ¹² 746	17,095	19,866	23,659	28,449	2 506	1,126	1,301	1,435	1,628	1,901
Envelopes.....do		1 ² 588	2,491	2,683	2,509	2,453		1 502	476	484	423	406
Vulcanized fiber sheets, strips, rods, and tubes.....1,000 lbs.												
Manufactures of vulcanized and indurated fiber.....1,000 lbs.		1 ⁵ 382	5,579	5,354	4,285	5,524	590	1,525	1,664	1,590	1,264	1,455
Cash register and adding machine paper.....do		1 ¹ 242	413	481	524	468		182	165	149	136	136
Other paper and paper products.....do		1 633	1,633	2,009	2,104	3,419	4,221	4,994	169	205	213	359
GROUP 5.—NONMETALLIC MINERALS												
Total.....							203,312	582,352	632,665	811,552	654,486	687,278
A. Coal and related fuels.....1,000 tons of 2,240 lbs.												
Coal—												
Anthracite.....do	3,533	3,502	2,838	3,598	2,969	2,979	18,183	38,476	31,761	41,086	32,928	32,657
Bituminous.....do	13,750	16,350	15,591	31,493	16,082	14,433	34,455	86,482	65,403	155,819	71,329	59,464
Coke.....do	853	655	852	881	720	980	3,085	6,154	6,980	6,980	5,431	7,395
Fuel or bunker coal for vessels in foreign trade (not included in exports).....1,000 tons of 2,240 lbs.	7,019	4,908	4,344	6,907	4,076	3,834	22,678	31,588	23,398	38,025	22,077	20,258
B. Petroleum and products												
Petroleum, crude.....1,000 bbls. of 42 gals.	4,306	13,330	13,125	15,406	15,843	18,961	6,382	22,487	24,275	28,496	25,944	26,786
Refined oils.....do	38,964	76,454	93,843	108,398	115,399	126,157	112,956	363,586	422,603	497,212	429,663	465,215
Gasoline, naphtha, and other light products.....1,000 bbls. of 42 gals.	3,508	21,100	30,638	42,480	43,334	51,751	16,735	152,051	197,492	263,200	209,839	232,297
Illuminating oil.....do	25,131	20,446	21,075	22,016	19,352	21,846	64,098	85,381	84,699	100,353	79,303	93,467
Gas and fuel oil.....do	5,769	26,555	32,509	34,516	42,963	41,573	6,853	41,207	49,040	45,354	49,802	45,812
Fuel or bunker oil for vessels in foreign trade (not included in exports).....1,000 bbls. of 42 gals.		36,501	42,827	46,662	50,051	51,226		55,842	68,173	71,045	72,967	59,426
Lubricating oil.....do	4,556	8,332	9,585	9,256	9,606	10,817	25,270	84,439	90,597	86,415	88,843	91,576
Red and pale.....do		10 4,994	5,454	5,475	5,954	6,945		10 42,240	44,234	43,182	49,368	54,463
Black.....do		10 1,075	970	609	672	1,029		10 6,214	5,655	3,511	3,486	5,124
Cylinder.....do		10 2,892	3,161	3,172	2,950	2,843		10 35,831	40,708	39,712	35,989	31,989

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Mineral spirits (substitute for turpentine)..... 1,000 bbls. of 42 gals.	10 24	25	42	63	56	10 337	309	396	550	509
Insulating or transformer oils..... do.			78	68	101			1,086	836	1,040
Light lubricating oils in small packages..... 1,000 bbls. of 42 gals.	10 14	11	9	13	13	10 510	466	409	490	514
Lubricating greases..... 1,000 lbs.	181,673	98,169	96,083	100,483	108,112	(11) 4,395	5,396	5,213	5,299	5,588
Paraffin wax..... do.	228,423	311,435	334,179	335,584	340,423	7,917	13,828	18,625	18,934	16,864
Unrefined..... do.		77,789	72,289	70,948	78,249		2,928	3,864	3,668	2,748
Refined..... do.		233,646	261,890	264,636	264,174		10,891	14,761	15,277	13,852
Petroleum asphalt..... tons of 2,240 lbs.	25 79,477	79,477	130,883	343,778	439,609	25 1,762	1,762	3,184	8,287	9,789
Petroleum coke..... do.			85,814	98,253	128,688			887	1,053	1,384
Residuum..... 1,000 bbls. of 42 gals.	1,677	131	95	160	217	1,202	403	291	608	226
C. Stone, sand, cement, and lime.						6,363	5,537	5,118	5,562	5,740
Marble in blocks, rough or dressed..... cu. ft.	1 59,498	53,849	66,293	65,380	64,326	1 238	249	252	237	254
Roofing slate..... squares	1 8,363	3,785	5,621	6,798	12,236	2 235	82	54	53	80
Other building or monumental stone..... 1,000 cu. ft.	1 918	338	328	384	653	509	388	435	852	473
Other manufactures of stone..... 1,000 cu. ft.						1,125	1,047	837	1,024	1,006
Sand and gravel..... 1,000 tons of 2,240 lbs.	1 368	380	379	376	658	1,191	455	496	610	558
Cement, hydraulic..... 1,000 bbls. 27	2,900	1,042	1,020	974	817	3,209	3,003	2,996	2,797	2,939
Lime..... do. 28	225	110	148	130	155	168	166	219	192	211
D. Glass and glass products.						3,494	10,053	8,579	9,171	8,882
Plate and window glass—										
Window glass, common..... box, 50 sq. ft.	41,496	25,131	30,976	21,164	18,601	210	243	143	184	118
Plate glass unsilvered..... 1,000 sq. ft.	118	2,098	1,579	855	1,081	2,280	38	852	407	347
Other window and plate glass..... 1,000 lbs.	1 2,481	2,447	3,026	4,415	3,905		1 274	273	272	434
Glass containers (bottles, vials, and jars).....						1 760	3,245	2,937	3,104	3,077
Table glassware, plain.....						1 1,808	1,754	1,662	1,440	1,382
Table and other glassware, cut or engraved.....						182	160	172	143	135
Lamp chimneys and lantern globes..... 1,000 lbs.	1 1,803	1,868	2,084	1,911	1,601	1 345	356	386	388	327
Globes and shades for lighting fixtures..... do.	1 1,568	1,658	1,778	1,669	1,814	1 451	495	598	611	645
Chemical glassware..... do.	1 247	227	227	213	231	190	197	206	184	201
Electrical glassware, except for lighting..... do.	1 2,506	2,664	4,881	2,240	4,727	1 217	270	486	237	424
Other glassware.....						2,942	2,863	1,587	1,858	1,893
E. Clays and clay products.						4,123	7,224	7,658	8,012	8,405
Clays—										
Fire clay..... tons of 2,240 lbs.	32,831	39,319	42,622	42,947	53,695	36	263	351	348	392
Other clays..... do.	37,136	84,827	37,640	45,784	54,385	250	346	531	644	896
Pottery—										
China and porcelain ware—										
Table, toilet, or kitchen ware..... 1,000 lbs.	1 565	448	476	504	680	1 168	129	140	161	197
Electrical porcelain—										
For less than 6,600 volts..... do.	1 7,889	6,247	5,273	4,514	4,605	1 1,646	950	755	604	669
For 6,600 volts and over..... do.		4,150	4,614	3,432	4,302		702	787	598	706
Other china and porcelain ware..... do.		1 393	459	584	674		727	133	127	128

1 Average for years 1922-1925.

2 Average for years 1913-1914.

10 Average for years 1923-1925.

11 "Other animal greases" includes lubricating greases for 1910-1914.

16 Average for years 1924-1925.

25 1925 only.

27 Of 376 pounds.

28 Of 200 pounds.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 5.—NONMETALLIC MINERALS—Continued												
E. Clays and clay products—Continued												
Pottery—Continued												
Earthenware plumbing fixtures . . . number		1 49,415	60,119	91,801	111,461	124,331		658	789	1,027	1,199	1,371
Other earthen, stone, and crockery ware . . . 1,000 lbs.		1 33,298	33,363	27,981	38,456	38,190	1,453	1,063	759	695	862	817
Crucibles, clay and graphite . . . 1,000 pieces		1 444	408	619	558	352		1 103	92	149	109	110
Bricks and tiles—												
Fire-clay bricks thousands		31,272	22,938	25,620	28,500	29,576		1,358	644	708	874	815
Other refractory bricks do		1 8,994	14,088	14,008	13,465	16,718	1,911	1 788	1,315	1,379	1,338	1,455
Refractory shapes 1,000 lbs.		1 23,940	26,518	27,723	40,340	58,487		1 557	679	699	812	1,274
Building bricks and hollow tile . . . thousands		11,226	8,073	6,329	5,781	11,266		290	194	177	161	264
Wall and floor tiles 1,000 lbs.		1 6,061	5,404	5,764	6,491	946	1 850	475	396	376	391	298
F. Precious stones, including pearls												
G. Other nonmetallic minerals												
Abrasives												
Wheels of emery and corundum . . . 1,000 lbs.		1 1,665	1,357	780	698	737	1,749	4,980	6,808	7,022	7,254	8,526
Grindstones do		1 10,734	11,699	12,719	11,154	10,633	2 733	699	440	249	254	254
Other natural abrasives, hones, whetstones, etc. 1,000 lbs.			5,531	7,473	8,169	9,627	2 148	419	554	630	573	561
Artificial abrasives, crude or in grains. do			9,732	10,213	13,416	18,376			196	323	419	453
Wheels of artificial abrasives do			4,982	4,750	5,346	6,287	1,397	3,861	825	778	800	1,024
Abrasive paper and cloth 1,000 reams					217	282			1,901	1,868	1,820	2,210
Other artificial abrasives 1,000 lbs.			11,354	7,046	6,844	8,085			2,475	2,769	3,273	3,273
Asbestos—												
Unmanufactured tons of 2,240 lbs.	514	706	990	986	276	759	17	73	71	86	49	347
Paper, millboard, and roll board . . . 1,000 lbs.		1 2,548	2,160	1,792	1,576	1,626		1 139	119	153	117	132
Pipe covering and cement do		1 4,622	4,553	4,266	4,832	4,923		1 304	280	257	275	286
Textiles, yarn, and packing do		1 1,068	1,370	1,450	1,407	1,653		1 689	803	814	781	924
Brake clutch lining 1,000 lin. ft.					7,760	7,760		2 863	863	1,040	379	1,422
Other mfrs., except roofing 1,000 lbs.		1 2,831	2,179	2,721	2,566	2,895	516	1,039	342	335	317	434
Asphalt and bitumen, natural—												
Unmanufactured tons of 2,240 lbs.	36,046	46,564	29,317	34,123	35,603	23,449	812	1,219	826	906	1,034	684
Manufactures, except roofing 1,000 lbs.		1 63,930	92,648	52,175	59,137	39,044	364	1,957	1,606	977	1,249	771
Carbons and electrodes—												
Electrodes for electric furnaces . . . do		2 12,208	12,203	13,711	13,740	15,690		2 1,214	1,214	1,641	1,858	2,195
Other carbon products do		1 25,647	26,223	30,577	32,998	8,158		1,766	2,000	1,361	1,299	698
Chalk manufactures do		1 1,288	1,627	1,661	1,763	1,560	76	205	236	224	240	204
Gypsum—												
Crude, crushed, or ground. tons of 2,240 lbs.						2						24

Plaster board and wall board.....1,000 sq. ft.					9, 531	15, 217							244	403
Plaster calcined and manufactures, n. e. s. ²⁰ 1,000 lbs.			54, 106	58, 320	36, 859	32, 845	313	472	735	798	471	471	393	393
do.....	1, 720		2, 422	2, 326	2, 868	3, 662	45	167	198	231	207	207	229	229
Mica and manufactures.....														
Sulphur—														
Sulphur or brimstone..... tons of 2,240 lbs.	57, 603	471, 093	629, 401	576, 966	789, 274	685, 051	1, 070	7, 504	11, 000	10, 918	16, 254	16, 254	14, 345	14, 345
Refined, sublimed, and flowers.....1,000 lbs.		1 5, 114	6, 382	12, 002	31, 419	44, 537		1 120	153	236	544	544	707	707
do.....		1 4, 402	5, 264	6, 579	5, 532	5, 837		1 280	317	323	369	369	355	355
Magnesia and manufactures.....														
do.....	114, 804	268, 042	310, 159	317, 816	307, 664	290, 792	397	1, 315	1, 220	1, 278	1, 330	1, 330	1, 186	1, 186
Salt.....														
Graphite and manufactures, except crucibles 1,000 lbs.		1 3, 726	4, 270	4, 284	3, 639	4, 406		463	491	512	436	436	455	455
do.....								51	1, 491	2, 014	1, 211	1, 136	1, 136	1, 518
Other nonmetallic mineral products.....														
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES														
Total.....							283, 274	415, 488	463, 704	459, 184	460, 217	460, 217	500, 173	500, 173
A. Iron ore.....1,000 tons of 2,240 lbs.	889	877	831	889	899	1, 282	2, 805	2, 994	2, 411	3, 881	3, 425	3, 425	4, 798	4, 798
B. Iron and steel semimanufactures.....							37, 027	73, 209	70, 249	92, 694	86, 717	86, 717	98, 025	98, 025
Pig iron, not containing alloys.....														
tons of 2,240 lbs.	181, 516	32, 929	32, 674	25, 208	50, 992	84, 682	2, 698	823	725	524	1, 028	1, 028	1, 367	1, 367
Iron and steel scrap (including tin-plate scrap)..... tons of 2,240 lbs.	67, 519	69, 735	82, 573	104, 838	239, 209	516, 148	910	1, 104	1, 377	1, 794	3, 765	3, 765	6, 615	6, 615
Steel ingots, blooms, billets, slabs, and sheet bars..... tons of 2,240 lbs.	150, 026	3, 463	4, 271	7, 091	7, 053	30, 101	3, 365	429	255	373	392	392	1, 233	1, 233
Iron and steel bars and rods—														
Iron bars.....1,000 lbs.			10, 340	11, 583	8, 674	13, 959			425	445	345	345	492	492
Steel bars.....do.	368, 523	352, 528	250, 767	308, 606	248, 922	354, 983	6, 170	11, 065	7, 605	8, 995	6, 938	6, 938	9, 114	9, 114
Alloy steel bars.....do.			8, 269	11, 077	13, 775	31, 535			703	823	916	916	1, 487	1, 487
Wire rods.....do.	99, 432	62, 816	47, 503	44, 008	36, 124	86, 515	1, 307	1, 445	1, 082	1, 086	833	833	1, 734	1, 734
Iron and steel plates, sheets, skelp, and strips—														
Boiler plate.....1,000 lbs.		332, 532	9, 742	20, 239	34, 808	20, 225		9, 297	224	445	686	686	433	433
Other plates, not fabricated.....do.		224, 222	289, 463	277, 962	362, 219	362, 219		5, 981	7, 157	6, 398	7, 966	7, 966	8, 384	8, 384
Skelp iron or steel.....do.		1 207, 595	186, 386	210, 254	205, 097	295, 130		1 4, 210	3, 636	4, 182	3, 952	3, 952	5, 664	5, 664
Iron or steel sheets, galvanized.....do.	800, 223	245, 762	359, 002	400, 141	340, 577	340, 996	18, 370	11, 825	16, 842	18, 392	15, 498	15, 498	14, 664	14, 664
Steel sheets, black.....do.		354, 650	213, 769	393, 658	341, 652	401, 601		13, 932	8, 211	14, 195	12, 183	12, 183	18, 577	18, 577
Iron sheets, black.....do.		28, 691	33, 087	43, 126	38, 405	36, 490		1, 420	1, 473	2, 024	1, 663	1, 663	1, 634	1, 634
Strip steel, cold rolled.....do.		1 21, 492	27, 425	28, 694	25, 867	44, 221		1 914	1, 044	1, 148	1, 025	1, 025	1, 581	1, 581
Hoop, band, and scroll iron or steel.....do.	7 24, 246	58, 119	64, 276	76, 392	70, 812	85, 880	7 488	2 134	2 079	2 305	2 036	2 036	2 398	2 398
Tin plate, terneplate, and tagger's tin.....do.	109, 706	282, 790	361, 503	561, 751	568, 710	559, 199	3 816	15, 635	18, 687	28, 766	29, 062	29, 062	26, 346	26, 346
C. Steel-mill products—Manufactures.....							54, 317	93, 568	73, 852	81, 407	73, 830	73, 830	83, 624	83, 624
Structural iron and steel—														
Structural shapes—														
Not fabricated..... tons of 2,240 lbs.	242, 157	153, 362	104, 339	157, 121	148, 176	202, 804	10, 831	11, 319	5, 470	7, 655	6, 554	6, 554	8, 754	8, 754
Fabricated.....do.			20, 773	28, 127	26, 084	54, 333		1, 841	3, 020	2, 500	2, 500	2, 500	4, 629	4, 629
Ship and tank plates, punched or shaped .....1,000 lbs.		15, 494	26, 862	12, 820	15, 762	9, 227		533	702	343	441	441	319	319
do.....		10 5, 409	7, 709	9, 803	10, 446	12, 004		1 419	577	729	779	779	830	830
Metal lath.....do.		1 112, 974	91, 164	97, 295	81, 819	77, 031		1 4, 094	3, 250	3, 589	2, 970	2, 970	3, 164	3, 164

¹ Average for years 1922-1925.

² Average for years 1913-14.

⁷ Average for years 1910 and 1912-1914.

¹⁰ Average for years 1923-1925.

²⁵ 1925 only.

²⁶ Includes "crude, crushed, or ground" prior to Jan. 1, 1928.

No. 504.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 6. METALS AND MANUFACTURES—Contd.												
C. Steel-mill products—Manufactures—Continued												
Railway track material—												
Rails— tons of 2,240 lbs.	393, 942	245, 301	151, 690	187, 557	177, 593	190, 925	11, 549	10, 722	6, 155	7, 643	6, 783	6, 926
50 pounds and over per yard.....do		203, 485	137, 542	176, 657	169, 562	165, 764		1 7, 926	5, 646	7, 279	6, 478	6, 076
Less than 50 pounds per yard.....do		22, 686	14, 148	10, 900	8, 031	25, 161		1 877	509	364	305	850
Rail joints, splice bars, fishplates, and tie-plates.....1,000 lbs.		1 60, 422	{ 42, 508	62, 056	47, 942	62, 432	{ 2, 670	3, 375	{ 1, 249	1, 676	1, 436	1, 738
Switches, frogs, and crossings.....do			{ 14, 625	14, 564	15, 570	15, 414			{ 1, 177	1, 025	1, 150	1, 087
Railroad spikes.....do	2 24, 770	18, 086	17, 311	12, 384	9, 927	10, 978	1 454	649	542	387	308	348
Railroad bolts, nuts, washers, and nut locks.....1,000 lbs.		1 5, 187	4, 779	4, 562	3, 551	5, 227		1 292	283	255	262	310
Tubular products and fittings—												
Boiler tubes.....do		1 3, 070	31, 046	41, 337	32, 958	41, 997		2, 175	1, 784	2, 204	1, 741	2, 301
Casing and oil line pipe.....do			240, 612	296, 593	214, 512	268, 317			10, 105	12, 599	9, 318	11, 399
Welded black pipe.....do			154, 305	188, 221	206, 415	167, 396			6, 667	7, 704	7, 856	6, 324
Welded galvanized pipe.....do		499, 525	88, 771	90, 861	102, 697	79, 691		26, 145	4, 262	4, 015	4, 384	3, 303
Malleable iron screwed pipe fittings.....do	492, 300		22, 145	27, 702	22, 544	22, 643	12, 895		2, 825	3, 454	3, 086	2, 857
Cast-iron screwed pipe fittings.....do			15, 072	23, 000	16, 246	16, 325			1, 433	1, 980	1, 506	1, 348
Cast-iron pressure pipe and fittings.....do		73, 861	36, 923	29, 383	25, 987	22, 273		4, 746	1, 720	1, 313	1, 235	1, 914
Cast-iron soil pipe and fittings.....do			20, 146	24, 027	20, 430	37, 256			748	801	695	1, 088
Wire and manufactures of—												
Plain iron or steel and galvanized wire—												
Plain iron or steel wire.....1,000 lbs.	249, 797	155, 619	{ 38, 188	38, 375	32, 721	43, 766	{ 5, 228	6, 339	{ 1, 709	1, 609	1, 451	1, 869
Galvanized.....do			{ 41, 550	31, 764	46, 652	59, 658			{ 1, 481	1, 102	1, 393	1, 599
Barbed wire.....do	191, 912	146, 069	150, 994	104, 305	105, 943	155, 003	4 595	5, 293	4 731	3, 212	3, 156	4 377
Woven-wire fencing.....do		1 7, 816	8, 308	9, 310	11, 423	11, 520	1 355	477	503	507	606	638
Woven-wire screen cloth.....do		1 3, 904	4, 154	4, 456	5, 045	4, 221		1 731	744	746	827	626
Wire rope.....do			{ 9, 802	10, 706	10, 184	12, 028			{ 1, 258	1, 443	1, 342	1, 578
Insulated iron or steel wire and cable.....do		1 13, 091	1, 437	1, 653	1, 103	1, 435		1, 697	268	276	191	217
Other wire and manufactures.....do		1 28, 030	18, 763	20, 121	21, 413	21, 983	1 1, 647	2, 385	1, 991	1, 983	1, 894	2, 145
Nails and bolts (except railroad)—												
Cut nails.....do	18, 235	4, 769	3, 627	2, 398	2, 572	2, 904	342	193	148	101	103	113
Wire nails.....do	107, 401	71, 955	22, 037	26, 304	22, 380	32, 583	2 230	2, 834	834	855	763	956
Horseshoe nails.....do			2, 059	2, 364	2, 416	2, 564			257	279	279	279
Tacks.....do	18, 134	13, 162	{ 15, 006	{ 2, 030	2, 005	1, 666	595	1, 463	{ 1, 371	{ 295	{ 286	{ 229
Other nails, including staples.....do			{ 10, 960	{ 11, 890	11, 890	15, 027			{ 960	{ 999	{ 1, 063	
Bolts, nuts, rivets, and washers, except railroad.....1,000 lbs.	1 46, 436	42, 973	37, 996	29, 616	27, 390	29, 747	1 1, 668	3, 499	2, 819	2, 409	2, 196	2, 537
Castings and forgings—												
Iron castings.....do		1 31, 338	23, 322	19, 799	26, 263	27, 013	2 887	2, 742	{ 1, 420	1, 276	1, 353	1, 518
Steel castings.....do			9, 430	16, 947	15, 687	21, 753			{ 1, 122	1, 829	1, 808	2, 561

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Car wheels and axles.....do.....	1 44,862	44,655	37,360	37,323	38,436	408	2,000	1,734	1,467	1,273	1,309	
Horseshoes.....do.....	2 2,659	1,893	1,557	1,478	1,289	1,049	132	116	102	91	73	
Iron and steel forgings.....do.....		1 5,178	4,854	5,925	10,901	23,222	515	556	533	527	2,308	
D. Iron and steel, advanced manufactures							45,006	63,603	76,412	75,863	73,331	62,558
Cutlery							1,089	7,256	13,095	9,406	10,232	12,981
Razors, safety.....1,000 doz.....	7,471	432	385	570	599		2 420	4,774	1,417	883	733	875
Safety-razor blades.....do.....		13,782	8,949	11,017	15,602				5,572	5,930	7,021	9,564
Scissors and shears.....dozens.....	1 78,358	62,043	37,553	27,154	42,454			1 262	274	178	153	141
Table and kitchen cutlery.....1,000 doz.....	1 496	456	378	535	418		1 150		697	580	611	557
Other cutlery and parts.....								1,523	2,135	1,826	1,714	1,544
Hollow ware												
Tin and galvanized hollow ware.....1,000 lbs.....		5,300	6,284	5,529	7,144		1 266	1,696	685	740	704	849
Tin cans, finished or unfinished.....do.....	1 11,723	9,391	8,991	8,046	8,900				991	929	840	973
Enameled ware of iron or steel—												
Bathtubs.....number.....	2 12,305	18,050	19,638	18,718	17,522	20,292	2 232	557	588	635	586	692
Lavatories, sinks, and other plumbing fixtures.....number.....	1 48,899	52,424	52,279	56,643	55,551		2 516	632	633	602	651	617
Enameled household ware.....1,000 lbs.....	1 3,999	3,212		1,986	3,506		2 385	1,017	626	662	402	604
Metal furniture and fixtures—												
Filing cases.....number.....	1 28,684	38,083	42,813	60,508	65,855			1 1,006	1,538	1,706	2,157	2,166
Safes and cabinets, fire and burglar proof.....number.....	3,056	6,683	7,343	8,439	14,751	18,810	436	694	584	626	844	1,017
Bank and safety deposit vaults and equipment.....								16 202	149	225	452	842
Other office furniture and fixtures.....								624	641	796	773	1,030
Metal beds and bed springs.....number.....			168,340	169,619	176,856		685	2,132	2,476	1,399	1,411	1,564
Other metal furniture.....									1,335	1,305	1,305	1,437
Stoves and furnaces, except electric—												
Cooking stoves and ranges.....number.....		20,467	13,127	14,382	13,494				417	352	365	363
Heating stoves and warm-air furnaces.....do.....		6,383	9,204	8,400	19,938				141	220	249	336
Gas stoves, ranges, and water heaters.....do.....		32,621	37,015	42,551	49,000		1 739	2,559	719	926	790	890
Kerosene cooking stoves and ranges.....do.....		102,337	220,762	98,257	90,991				853	1,839	978	957
Gasoline cooking stoves and ranges.....do.....					21,098							255
Parts of stoves and ranges.....1,000 lbs.....		4,346	5,862	3,567	4,342				928	1,197	842	879
House-heating boilers and radiators.....sq. ft.....					2,292		2 427	815	717	392	902	712
Oil burners and parts.....												984
Tools							10,536	15,914	17,514	16,959	16,451	17,474
Axes (broad and hand).....1,000 doz.....	2 160	99	117	94	100	109	2 1,146	1,220	1,341	1,055	1,034	1,129
Wood-cutting saws.....thousands.....			630	588	487		1 322	1,986	970	792	691	625
Metal-cutting and other saws.....do.....			26,235	34,729	40,416				1,494	1,109	1,305	1,481
Augers and bits, woodworking.....dozens.....			92,478	97,160	82,912			964	402	316	290	283
Files and rasps.....1,000 doz.....	1 1,998	2,271	2,151	2,375	2,639			2,575	2,912	2,674	2,804	3,100
Hammers and hatchets.....do.....	1 59	67	63	72	77		2 372	413	419	363	370	341
Hand hoes and rakes.....thousands.....	1 379	457	400	278	341			1 173	211	167	119	138
Shovels and spades.....1,000 doz.....	1 48	47	41	41	36		3 365	497	488	432	417	358
Vises ²³.....thousands.....	16 116	117	146	171	51			16 247	258	257	239	198
Mechanics' and other hand tools, n. e. s.....							8,461	8,022	9,019	9,794	9,211	9,821

¹ Average for years 1922-1925.² Average for years 1913-14.³ Average for years 1910 and 1912-1914.⁴ Average for years 1911-1914.¹⁶ Average for years 1924-25.²⁰ "Vises and clamps" prior to Jan. 1, 1928.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 6.—METALS AND MANUFACTURES, ETC.—												
Continued												
D. Iron and steel, etc.—Continued.												
Hardware							6,474	8,485	8,902	8,825	7,820	8,501
Padlocks	1,000 doz.		369	283	222	187			760	599	524	466
Door locks and lock sets	do.		97	73	61	58		2,035	742	613	455	488
Cabinet and other locks	do.		203	209	158	165			366	376	340	352
Hinges and butts	1,000 doz. prs.			1,028	615	571		1,914	860	703	567	521
Other builders' hardware								1,801	1,685	1,834	1,555	1,619
Furniture hardware								1,355	383	409	401	377
Saddlery and harness hardware								1,332	354	295	215	204
Car and marine hardware								1,212	280	234	222	224
Other hardware								1,013	3,472	3,762	3,543	4,250
Needles, hand and machine	thousands	1 64,868	79,728	76,017	57,128	71,715		544	837	712	687	849
Sprocket and other power transmission chains	1,000 lbs.		3,193	4,597	6,159	6,285			738	1,085	1,226	1,266
Other chains	do.	1 12,977	12,996	12,847	9,248	8,719		2,256	1,792	1,651	1,287	1,112
Automatic scales	number		124,185	14,502	13,628	13,580	1,057	2,049	2,442	931	1,105	1,072
Other scales and balances	do.	1 112,934		105,086	107,511	135,034				1,167	1,217	1,307
Wood screws	1,000 gross		7,965	8,372	7,225	7,989		1,196	911	962	814	813
Other iron and steel manufactures							20,929	19,265	17,495	19,537	18,204	19,915
E. Ferro-alloys.												
Ferromanganese and spiegeleisen	tons of 2,240 lbs.	3,008	5,496	693	1,641	9,440	285	489	668	818	1,076	861
Ferromanganese, tungsten metal, and wire	pounds	1 6,050	13,238	29,380	20,143	16,641		118	161	44	62	233
Other ferro-alloying ores and metals	1,000 lbs.	10 4,848	3,878	6,032	7,295	5,855	9 356	286	363	618	849	505
F. Nonferrous metals, except precious.												
Aluminum							141,084	173,483	255,830	200,555	216,184	227,377
Bauxite and other aluminum ores and concentrates	tons of 2,240 lbs.	9 10,691	51,969	78,663	87,770	121,858	1,441	6,538	10,191	8,194	14,108	12,102
Ingots, scrap, and alloys	1,000 lbs.		3,049	8,130	587	3,325	9 479	2,569	4,134	4,741	7,800	5,211
Plates, sheets, bars, strips, and rods	do.		3,165	4,512	7,047	10,997		674	1,835	1,38	742	444
Tubes, moldings, castings, and other shapes	1,000 lbs.	1 1,979	3,572	2,115	1,530	1,004		1,015	1,531	1,997	2,737	3,315
Table, kitchen, and hospital utensils								1,644	1,196	672	500	398
Other aluminum manufactures							1,058	1,647	629	531	565	663
								1,227	866	1,115	1,764	2,091

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Copper.....	1,000 lbs. ³¹	827, 808	876, 676	1, 080, 751	965, 685	1, 076, 729	1, 123, 019	121, 179	129, 760	161, 165	141, 204	150, 214	169, 831
Ores, concentrates, composition metal, and unrefined copper (copper content).....	1,000 lbs.		686	1, 839	5, 465	7, 236	3, 833	2, 348	95	233	612	785	508
Refined copper in ingots, bars, or other forms.....	1,000 lbs.	802, 472	791, 171	968, 065	856, 125	922, 466	949, 474	2 124, 402	111, 475	140, 221	121, 231	125, 378	140, 340
Old and scrap copper.....	do.		4, 852	12, 105	19, 426	45, 418	55, 467		601	1, 556	2, 178	5, 128	6, 994
Pipes and tubes.....	do.		2, 424	2, 784	3, 253	3, 139	3, 554		639	697	840	777	910
Plates and sheets.....	do.	66, 453	7, 074	12, 205	5, 032	7, 074	6, 039		1, 475	2, 331	1, 075	1, 321	1, 275
Rods.....	do.		48, 908	54, 270	44, 790	58, 617	71, 325		7, 263	8, 098	6, 857	8, 870	11, 066
Wire.....	do.	36, 982	10, 852	11, 666	13, 041	10, 289	15, 676		1, 962	2, 684	2, 244	2, 624	2, 624
Insulated copper wire and cable.....	do.		13, 386	17, 817	18, 553	22, 490	19, 651		33 1, 992	4, 498	4, 900	4, 816	5, 166
Other copper manufactures.....	do.								3, 552	1, 753	1, 035	1, 099	1, 297
Brass and bronze.....									7, 099	11, 084	18, 585	13, 674	17, 619
Ingots, scrap, and old ³⁴	1,000 lbs.	27, 704	32, 074	96, 378	50, 265	91, 994	84, 826		2, 841	3, 472	9, 889	4, 944	8, 824
Bars and rods ³⁵	do.			7, 017	3, 291	2, 618	1, 995				1, 121	553	410
Plates and sheets ³⁵	do.	6, 121	4, 501	968	1, 464	893	2, 409		817	836	332	238	511
Pipes and tubes.....	do.		2, 572	2, 823	3, 357	3, 433	4, 261			700	239	922	788
Pipe fittings and valves.....	do.		2, 992	3, 706	3, 435	3, 278	4, 042		1, 661	707	2, 037	1, 828	1, 807
Hardware of brass or bronze.....									1, 359	691	815	764	671
Plumbers' brass goods.....	1,000 lbs.			439		713	969				232	394	541
Wire of brass or bronze.....	do.		1, 064	1, 182	1, 267	1, 196	1, 357		359	400	407	380	435
Brass wood screws.....	1,000 gross					623	599					158	157
Other brass and bronze manufactures.....	do.								4, 545	4, 121	3, 462	3, 641	3, 753
Lead.....	1,000 lbs.		126, 998	220, 774	167, 965	252, 864	244, 472	1, 007	8, 834	17, 604	12, 710	13, 742	11, 856
In pigs, bars, etc.....	do.		117, 300	205, 705	142, 481	242, 983	229, 564		7, 368	15, 598	9, 412	12, 424	10, 210
From domestic ore.....	do.		7, 893	9, 911	8, 552	5, 066	28, 403		508	784	601	309	1, 299
From foreign ore.....	do.		109, 407	195, 794	133, 929	237, 917	201, 161		6, 860	14, 814	8, 811	12, 115	8, 911
Other lead manufactures.....	do.		12, 122	15, 069	25, 484	9, 881	14, 907	1, 007	1, 517	2, 006	3, 297	1, 318	1, 646
Nickel—													
Nickel, monel metal, and alloys.....	do.	23, 188	3, 203	2, 569	1, 599	2, 108	2, 349	7, 533	604	835	420	601	880
Manufactures.....	do.							101	263	361	575	788	1, 161
Tin—													
Bars, blocks, or pigs.....	1,000 lbs.		1, 508	809	1, 511	2, 262	781		574	446	703	889	326
Manufactures.....	do.		6, 766	4, 512	5, 837	6, 593			10 1, 599	1, 359	1, 626	1, 909	1, 514
Zinc.....								1, 582	9, 119	18, 026	13, 146	9, 456	4, 795
Ore and concentrates ³⁶	tons of 2, 240 lbs.	16, 361	25 61, 563	61, 563	85, 046	41, 711	4, 034	634	25 3, 277	3, 277	4, 056	1, 691	206
Dross ³⁶	1,000 lbs.	4, 480	20, 870	31, 936	20, 922	8, 902	6, 297	179	901	1, 568	1, 101	296	241
Cast in slabs, plates, blocks, or pigs.....	do.	10, 597	92, 236	152, 703	85, 669	91, 279	50, 513	641	6, 349	11, 654	6, 358	6, 028	3, 008
Rolled in sheets, strips, etc.....	do.		6, 647	8, 393	9, 281	7, 845	8, 650		695	927	1, 037	869	907

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¹ Average for years 1922-1925.

¹⁰ Average for years 1923-1925.

² Average for years 1913-14.

²⁵ 1925 only.

³ Average for years 1912-1914.

³¹ Not including pounds of "other copper manufactures."

⁶ Average for years 1911-1914.

³² The estimated quantity of copper content of ore is included.

³³ 1914 only. Included in "electrical appliances for earlier years."

³⁴ Prior to 1925 data are "scrap and old tin only for manufacture."

³⁵ Prior to 1925 data are "ingots, plates, sheets, bars, and rods."

³⁶ For years 1922-1924 data included for "dross" are "ores, concentrates, and dross."

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 6.—METALS AND MANUFACTURES, ETC.—Con.												
F. Nonferrous metals, except precious—Continued.												
Zinc—Continued.												
Dust.....1,000 lbs.		1 5,094	4,484	2,181	2,713	2,016		1 389	408	225	259	199
Other zinc manufactures.....do.		1 925	1,462	2,593	2,667	2,026	128	207	192	319	312	234
Nickel silver, or German silver in bars, rods, or sheets.....1,000 lbs.		1 407	493	1,539	1,424	1,405	61	187	136	336	319	364
Babbitt metal.....do.	1,213	1 239	2,218	1,337	1,654	1,692	225	342	673	465	598	564
Other metal and alloys.....do.		1 1,388	2,454	2,104	2,923	6,805		1 560	1,249	859	1,095	1,547
Plated ware, other than gold or silver—Type.....1,000 lbs.	684	555	727	620	637	769	237	888	1,053	1,031	1,026	893
Other metal and metal composition manufactures.....								337	344	377	381	443
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin.							539	3,490	3,323	4,223	3,491	3,482
Platinum—							2,770	3,138	4,782	4,466	5,795	4,934
Ingots, sheets, wire, alloys, and scrap.....ozs. (troy)	845	5,593	16,234	11,573	19,923	9,050	34	589	1,787	1,254	1,578	619
Manufactures, except jewelry.....do.		1,481	3,537	1,898	1,549	2,168	85	115	250	161	129	161
Jewelry.....							1,245	827	975	870	1,177	1,634
Gold and silver ware, except cutlery and jewelry—												
Silver plated—												
Tableware.....									296	237	237	288
Other articles.....							963	946	216	183	183	195
Gold-plated articles.....									434	490	487	336
Gold manufactures, n. e. s.....									623	914	1,550	1,477
Silver manufactures, n. e. s.....							443	662	201	357	364	224
GROUP 7.—MACHINERY AND VEHICLES												
Total							200,483	531,382	720,267	755,934	857,018	1,036,544
A. Electrical machinery and apparatus												
Generators—							20,856	69,236	73,983	84,404	84,806	88,957
Direct current—												
Under 500 kilowatts.....number			4,425	4,062	2,754	3,593						
500 kilowatts and over.....do.			35	54	66	159			848	960	871	1,231
Alternating current—									428	455	659	624
Under 2,000 kilovolt-amperes.....do.		1 8,462	406	293	271	279			303	188	170	227
2,000 kilovolt-amperes and over.....do.			70	30	34	20			1,901	1,273	1,098	394
Steam turbine generator sets.....do.		16 444	796	841	1,179	1,124			796	1,412	1,822	856

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Accessories and parts for generators.....								1 1,130	1,089	920	1,137	1,094
Self-contained lighting outfits..... number	1 2,764	3,866	4,411	5,153	4,015			1 727	1,076	1,151	1,340	1,116
Batteries—												
Flashlight batteries..... thousands		10,156	16,108	23,438	34,440				1,214	1,674	2,250	2,941
Other primary batteries..... do	1 8,600	4,003	6,101	6,471	7,972	27 686	3,940		1,203	2,020	2,429	2,750
Storage batteries..... do		207	282	302	338				2,683	3,443	3,673	3,401
Transforming or converting apparatus—												
Power transformers, 500 kilovolt amperes and over..... number		3,165	2,415	3,321	2,327							1,197
Distribution transformers, less than 500 kilovolt-amperes..... number	1 58,556				5,257	27 1,455	5,199		2,175	2,231	1,556	829
Instrument transformers..... do		55,098	42,411	43,154	1,023				1,315	1,266	1,051	91
Other transformers..... do					52,532							893
Battery chargers under 15 amperes..... do					60,856							280
Rectifiers, double current and motor generators, dynamotors, synchronous, and other converters..... number	1 50,865	59,625	65,486	94,482				1 1,122	967	1,557	1,729	
Transmission and distribution apparatus—												
Switchboard panels, except telephone..... number		4,404	4,230	3,813	4,343				2,305	2,193	1,628	1,619
Switches and circuit breakers over 10 amperes..... thousands	1 5,538	201	341	390	388			4,246				
Fuses and fuse blocks..... do	1 2,914	3,457	4,035	3,994	5,366			1 284	2,424	2,618	1,987	1,758
Watt-hour and other measuring meters..... number		45,373	47,393	45,360	102,474				343	352	370	436
Volt, watt, and ampere meters, and other recording, indicating, and testing apparatus..... number	1 185,927	205,702	240,222	249,784				1,969			419	994
Electrical indicating instruments..... do					58,605				1,696	2,152	2,139	
Electrical recording instruments..... do					6,151							458
Other electrical testing apparatus..... do												216
Lightning arresters, choke coils, reactors, and other protective devices..... number	1 80,045	101,201	82,126	87,821	78,867			1 730	707	709	726	782
Motors, starters, and controllers—												
Motors $\frac{1}{2}$ horsepower and under..... do		92,153	95,028	114,036	113,507				2,102	2,000	2,614	2,122
Motors over $\frac{1}{2}$ and under 1 horsepower..... number	1 101,750				25,551	2 4,170	7,531					835
Stationary motors—												
1 to 200 horsepower..... do		18,833	22,084	22,817	19,859				2,472	3,207	3,068	2,872
Over 200 horsepower..... do		211	263	132	158				604	834	402	387
Railway motors..... do		790	1,282	922	513				807	1,127	915	598
Electric locomotives—												
Railway..... do	8 35	22	34	18	107	8 267	1,914		482	1,841	690	1,058
Mining and industrial..... do	116	79	144	124	78				331	759	631	471
Other motors..... do								116				
Station and warehouse electric motor trucks..... number	223	248	175	240	202			162	194	178	196	178

1 Average for years 1922-1925.
2 Average for years 1913-14.

3 Average for years 1912-1914.
4 Average for years 1924-25.

57 1914 only.

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No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 7.—MACHINERY AND VEHICLES—CON.												
A. Electrical machinery and apparatus—Continued.												
Motors, starters, and controllers—Continued.												
Starting and controlling equipment—												
For industrial motors								1,338	1,159	1,395	1,152	1,523
For electric railway and vehicle motors								278	203	247	238	238
Portable electric tools— number				14,173	23,130	29,524			549	965	1,301	1,301
Accessories and parts for motors								1,709	2,040	2,181	2,410	2,542
Electric appliances—												
Electric fans— number	2 31,537	64,008	60,140	65,600	74,063	66,193	2 396	978	916	948	1,005	938
Electric lamps—												
Metal filament— thousands	2 1,106	6,668	7,239	8,883	9,843	11,361	2 307	1,565	1,250	1,603	1,538	1,465
Other electric lamps— do	2 1,414	564	696	1,172	2,427	3,097	2 331	262	244	281	440	595
Flashlights— do		1 894	1,650	2,165	2,718	2,971		1 716	1,342	2,058	2,474	2,528
Searchlights and projectors— number		1 12,319	13,090	17,437	19,970	16,444		1 397	562	574	874	640
Motor-driven household devices—												
Electric vacuum cleaners— number						60,263						1,308
Other motor-driven devices, except tools— number		1 34,248	41,779	75,239	94,538	27,201		1 900	1,205	1,744	2,312	858
Electric flatirons— do						141,799						362
Domestic heating and cooking devices—												
Electric cooking ranges— thousands		1 323	481	581	474	10		1 132	1,340	1,722	1,558	294
Other domestic heating and cooking devices— thousands						293						931
Industrial electric furnaces and ovens— number		1 1,812	2,133	1,700	2,069	2,249		1 236	252	253	532	456
Therapeutic apparatus, X-ray machines, galvanic and faradic batteries, etc								1 952	1,415	1,478	1,660	1,780
Signal and communication devices—												
Radio apparatus—												
Transmitting sets and parts										556	401	769
Receiving sets— number				69,452	75,839	96,341				2,874	2,961	4,550
Tubes— thousands				665	722	553		1 5,570	9,904	868	1,064	1,018
Receiving-set components										2,016	2,306	3,054
Receiving-set accessories										2,481	2,510	2,671
Telegraph apparatus							2 140	606	497	1,018	1,037	866
Telephone apparatus—												
Telephone instruments— number			40,147	27,355	27,279	30,973			622	437	356	433
Telephone switchboards— do			768	906	1,042	1,096	2 1,300	3,603	789	2,219	727	400
Other telephone equipment									2,298	2,468	2,721	2,495

FOREIGN COMMERCE

Railway signals, switches, and attachments								1 796	803	505	775	713	
Bells, buzzers, annunciators, and alarms								1 123	171	296	319	364	
Other electrical apparatus—													
Spark plugs— number						4,550,352							
Other starting, lighting, and ignition equipment								1,744	2,708	1,904	2,007	1,417	
Insulating material—1,000 lbs.	1 4,509	6,014	4,818	5,223	5,339			1 1,352	1,545	1,380	1,361	1,349	
Metal conduit, outlet, and switch boxes													
1,000 lbs.	1 6,010	8,763	10,762	10,875	14,768			1 536	796	1,164	1,038	1,331	
Sockets, receptacles, and lighting switches													
thousands	1 4,697	6,976	7,789	10,441	12,809			1 1,110	1,595	1,718	1,803	1,931	
Electric interior lighting fixtures													
Electric street lighting fixtures								1 1,886	1,314	1,860	1,902	2,092	
Other wiring supplies and line material												575	
Other electrical apparatus, n. e. s.								1 12,856	12,032	1,132	1,164	1,358	
										6,883	7,423	7,491	
												8,299	
B. Industrial machinery								78,553	166,715	172,912	179,556	201,456	226,628
Power-generating, except electric and automotive								12,042	36,901	27,795	28,353	25,463	23,983
Steam engines—													
Stationary, except turbines— number	8,238	703	660	498	593	335	1,868	718	508	524	726	490	
Mechanical-drive turbines— do		1 124	78	80	78	68		1 997	640	782	634	426	
Locomotives— do	416	467	363	271	228	193	3,959	11,891	7,022	5,113	5,327	3,182	
Other engines and parts—1,000 lbs.		25 26,916	26,916	28,929	22,435	16,051	4,443	5,840	3,930	3,954	3,784	2,836	
Boilers—1,000 sq. ft. ²⁵		1 717	822	781	787			2,263	1,930	1,605	1,744		
Steam boilers, fire tube— do												470	
Steam boilers, water tube— do												929	
Condensers, heaters, accessories—1,000 lbs.	1 1,762	1,591	3,111	3,419	2,779			1 391	428	646	668	632	
Steam specialties—injectors, gauges, safety valves, steam traps, boiler-tube cleaners, etc.—1,000 lbs.	1 7,644	10,229	7,313	7,468	5,313			1 1,603	2,087	1,908	2,043	1,955	
Internal combustion engines—													
Stationary and portable engines—													
Gasoline locomotives and tractors													
number		25 253	253	326	225	343		25 315	315	607	541	940	
Diesel and semi-Diesel— do		1 1,068	1,259	834	684	937		1 528	859	1,587	1,167	1,247	
Other—													
Not over 10 horsepower ³⁰ — do			28,631	33,357	29,009	39,559			2,448	3,177	2,585	3,312	
Over 10 horsepower ³¹ — do	1 22,035	27,262	2,481	2,842	2,738	4,760	5 2,953	4,031	2,326	2,575	1,605	2,016	
Marine engines, Diesel and semi-Diesel													
number	1 282	291	1,009	720	600			1 377	715	1,169	1,207	1,286	
Engine accessories and parts (carburetors)								1 3,422	4,111	4,273	3,219	3,502	
Water wheels and water turbines— number	1 237	72	106	62	76			1 302	276	254	212	740	
Construction and conveying machinery													
Excavators, including power shovels													
number	1 139	192	268	410	489			1 631	2,400	3,352	4,842	5,655	
Excavator parts and accessories—1,000 lbs.	25 4,020	4,020	5,285	7,314	7,843			25 893	893	1,153	1,783	2,100	

¹ Average for years 1922-1925.³¹ 1914 only.² Average for years 1913-14.²⁵ Heating surface.³ Average for years 1912-1914.²⁹ "Not over 8 horsepower" and "over 8 horsepower" prior to 1925.²⁵ 1925 only.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

536

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 7. MACHINERY AND VEHICLES—Contd.												
B. Industrial machinery—Continued.												
Construction and conveying machinery—Con.												
Dredging machinery.....1,000 lbs.		1 3,700	5,269	9,692	3,404	5,097		1 598	725	1,225	550	821
Concrete mixers.....number		1 861	1,163	1,211	2,007	1,932		629	807	737	1,131	1,106
Road rollers.....do			137	217	142	184			346	398	380	499
Road grading and maintaining equipment 1,000 lbs.			7,064	9,065	12,382	3,779		980	1,084	1,291	1,839	614
Other road-making equipment.....do						10,912						1,688
Other construction equipment.....do			2,951	6,821	6,016	8,926		1 888	470	874	935	1,277
Cranes with swinging booms.....number		1 236	92	79	91	102		1 1,088	629	770	928	1,043
Other cranes.....do			211	193	249	372			750	815	710	1,443
Monorail hoists.....do						177						25
Other hoists.....do		1 4,704	6,052	7,209	6,810	8,138		1 886	1,172	1,237	1,156	1,295
Derricks, except mining.....do						195						439
Elevators, freight and passenger.....do			310	468	552	709			761	938	1,072	1,220
Conveyors, bucket, chain, or belt.....do			1,208	1,545	1,575	1,692	2 1,521	2 2,969	302	454	428	632
Other conveying equipment.....1,000 lbs.				19,232	17,445	13,700			2,498	3,803	3,375	2,935
Mining, oil-well, and pumping machinery							11,467	24,738	28,406	38,850	38,581	38,962
Mining and quarrying machinery—												
Coal cutters.....number		1 6 78	72	181	193	104		1 10 206	191	635	645	440
Rock drills.....do		1 6,108	7,348	8,527	10,565	11,375		1 1,065	1,374	1,506	1,855	2,023
Mine hoists and derricks.....do		1 228	280	294	713	1,006		1 248	285	294	468	780
Ore crushing and sorting.....1,000 lbs.		1 14,582	18,795	30,068	22,551	20,613		1 1,798	2,199	4,048	3,110	3,131
Concentrating and smelting.....do		2 831	3,106	6,363	4,100	2,812		1 442	529	1,164	791	886
Other mining and quarrying.....do		1 17,790	18,285	22,073	14,864	17,701	7,777	6,058	5,975	7,211	6,290	7,097
Oil-well and oil-refinery machinery—												
Well-drilling apparatus.....do								7,762	5,492	8,292	8,477	8,118
Other oil-well and oil-refinery.....do									4,757	7,014	8,365	8,074
Pumping equipment—												
Centrifugal pumps.....number			2,235	2,669	3,717	5,794			806	742	969	1,495
Steam pumps.....do			6,646	6,323	6,211	6,549			1,517	1,494	1,704	1,430
Other reciprocating power pumps.....do			19,245	20,245	23,128	18,893	3,690	8,038	2,527	3,037	2,818	2,513
Hand and windmill pumps.....do			87,306	96,235	102,755	107,289			911	898	763	756
Other pumps and parts of pumps.....do									1,833	2,017	2,235	2,516
Power-driven metal-working machinery												
Engine lathes.....number				288	716	797	4 11,573	4 13,814	17,800	14,816	20,391	27,422
Turret lathes.....do				156	279	434		1,726	2,584	326	846	1,110
Other lathes.....do		1 1,059	1,542	622	444	840				759	913	1,721

FOREIGN COMMERCE

Vertical boring mills and chucking machinery..... number			87	136	113				191	345	290
Thread-cutting and automatic screw machines..... number	1 886	919	827	895	822	1 630	1, 193	727	963	1, 152	
Knee and column type milling machines..... number	1 540	1, 008	209	241	321	1 778	1, 631	454	472	811	
Other milling machines..... do			373	486	650			505	1, 061	1, 489	
Gear-cutting machines..... do	1 378	400	199	401	404	1 390	816	444	905	1, 095	
Vertical drilling machines..... do			319	349	517			252	382	492	
Radial drilling machines..... do			71	95	132			132	215	341	
Other drilling machines..... do			1, 912	1, 377	1, 241			319	385	604	
Planers and shapers..... do	1 233	305	372	403	398	1 354	564	314	662	762	
External cylindrical grinding machines..... number		1, 328	505	711	945		1, 814	799	1, 648	2, 173	
Internal grinding machines..... do		327	240	467	462		645	478	1, 100	921	
Metal-working tool-sharpening machines..... number			880	679	727	1, 588		322	388	508	
Other metal-grinding machines..... 1,000 lbs		1, 426	746	1, 421	1, 636		617	364	702	798	
Sheet and plate metal-working machines..... 1,000 lbs			6, 537	7, 013	12, 699			1, 299	1, 400	2, 773	
Forging machinery..... do			5, 396	4, 940	5, 138			1, 059	1, 109	955	
Rolling-mill machinery..... do			5, 090	7, 677	8, 739			402	542	634	
Foundry and molding equipment..... do	1 2, 876	3, 850	6, 865	6, 900	18, 619	1 515	689	891	1, 061	1, 351	
Other power-driven metal-working machinery and parts..... do					15, 015	40 8, 367	7, 247	3, 544	3, 687	5, 751	
Other metal-working machinery..... number	1 12, 254	16, 173	17, 743	20, 092	21, 824	1 3, 197	4, 238	4, 550	4, 989	6, 703	
Pneumatic portable tools..... number						1 813	1, 558	1, 278	1, 575	1, 704	
Other portable and hand or foot operated metal-working machines and parts..... number			605	611	1, 007			603	651	1, 017	
Chucks for machine tools..... 1,000 lbs	1 23, 732	23, 589	17, 615	15, 640	19, 324	1 295	333	230	220	244	
Drills and reamers..... do								639	659	659	
Taps, dies, screw plates, and pipe stocks..... do						1 2, 018	2, 747	2, 439	902	1, 798	
Cutters and other metal-working tools..... do									1, 001	1, 281	
Textile, sewing, and shoe machinery..... number						12, 253	23, 690	23, 482	21, 938	23, 363	24, 817
Textile machinery..... do						2 1, 790	12, 583	11, 489	10, 400	11, 466	12, 556
Circular hosiery knitting machines..... number			7, 062	8, 331	8, 953				2, 803	3, 448	2, 751
Other circular knitting machines..... do			1, 279	1, 946	1, 839				634	840	784
Other knitting machines and parts..... 1,000 lbs	10 4, 290	4, 835	960	1, 306	1, 996	1 3, 211	4, 707	1, 025	1, 206	1, 429	
Cotton spinning and twisting machines..... 1,000 lbs	10 2, 396	2, 396	3, 348	2, 276	2, 215	10 456	441	543	523	454	
Cotton looms..... do	10 5, 833	5, 833	3, 829	2, 755	4, 226	511	991	693	518	693	
Other cotton machinery..... do	10 4, 300	5, 373	3, 282	2, 418	2, 118	10 1, 041	1, 096	837	529	544	

¹ Average for years 1922-1925.

² Average for years 1913-14.

¹⁰ Average for years 1923-1925.

¹⁰ Average for years 1924-25.

²³ 1925 only.

⁴⁰ All metal-working machinery is included prior to 1922.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

538

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 7.—MACHINERY AND VEHICLES—Contd.												
B. Industrial machinery—Continued.												
Textile, sewing, and shoe machinery—Con.												
Textile machinery—Continued.												
Wool carding and weaving machinery												
1,000 lbs.	1 944	1 014	892	1 017	1 060	1 267	324	286	268	342		
Silk machinery	1 792	396	328	1 004	1 764	1 254	152	162	354	599		
Other textile and textile finishing machinery	18,408	9,588	9,489	12,023	13,926	13,244	3,778	3,413	3,780	4,260		
1,000 lbs.												
Sewing machines—												
For domestic use	number											
For factory or industrial use	do.	1 246,151	213,608	214,947	171,360	166,837	9,914	8,210	5,328	5,560	4,595	4,356
Sewing-machine parts			48,928	42,483	65,625	62,128			3,415	3,123	4,369	4,250
Shoe machinery, except sewing	1,000 lbs.	11,641	1,754	1,943	2,379	2,505	1,623	1,861	1,890	1,492	1,715	1,615
								1,404	1,370	1,353	1,718	1,740
Other industrial machinery							30,610	61,870	58,344	55,010	69,041	81,948
Cigarette, cigar-making, and other tobacco machinery												1,208
Bakery machinery and parts												1,070
Flour-mill and gristmill	1,000 lbs.	15,084	4,551	4,278	3,113	2,447	21,348	1,135	889	863	626	582
Rice-mill machinery	do.	1 717	726	1,098	816	785		1 187	219	247	227	214
Sugar-mill machinery—												
Cane mills	number		4,089	3,634	3,338	3,188	2,452	8,405	391	365	390	638
Other sugar-mill machinery	1,000 lbs.		56,767	24,497	39,575	27,502		7,879	3,677	5,433	4,053	4,053
Paper and pulp-mill machinery	do.	19,333	7,364	18,921	20,100	14,061	929	2,134	1,717	3,846	3,823	3,037
Sawmill machinery	do.	13,638	4,608	3,977	4,517	4,776	819	740	823	966	860	921
Planers, matchers, jointers, and molders	number	25 188	188	275	242	209		25 198	198	267	275	222
Other woodworking machinery	1,000 lbs.		3,162	4,055	5,861	1,450	1,571	1,425	1,200	1,455	2,052	2,052
Blowers and ventilating machinery	do.	19 2,074	2,189	3,509	3,281	4,067	514	573	836	847	1,290	847
Brewers' machinery	do.	13,495	4,669	4,255	4,498	4,935	572	633	968	946	1,022	1,253
Ice-making equipment	do.		4,779	4,233	4,173	4,188		832	747	761	820	820
Refrigerating equipment—												
Refrigerating sets up to 1 ton capacity	number				2,588	35,712	824	2,150			3,685	6,469
Over 1 and up to 10 tons refrigerating capacity	1,000 lbs.		3,870	10,238	7,418	5,171			1,206	3,620	215	1,330
Over 10 tons refrigerating capacity	do.		2,633	3,994	5,223	5,008			447	692	787	912
Oil-mill machinery	do.	11,768	3,549	4,428	6,236	3,594	1,323	631	894	983	775	573
Cotton gins, and parts	1,000 lbs.	12,929	4,942	3,307	1,367	2,572	221	566	993	692	368	573

FOREIGN COMMERCE

Ball and roller bearings, and parts.....do.....	1	2,464	1,836	2,235	2,309	4,176	1	1,485	1,270	1,691	1,805	2,326		
Air compressors—														
Capacity up to 25 cubic feet.....number.....	}	1	5,790	4,797	7,869	12,669	12,887	} 2	583	3,120	644	1,088	1,354	1,201
Capacity over 25 cubic feet.....do.....				2,780	2,744	3,920	4,064				3,243	3,567	4,519	5,536
Meat and other grinding and slicing machines.....number.....						92,032	14,983				942	1,118		
Paint-spraying equipment.....do.....												593		
Laundry machinery—														
Domestic washing machines.....number.....			10,090	14,726	19,579	27,173	}	1,093	1,581	600	954	1,344	1,823	
Power laundry machines.....do.....			2,880	2,274	1,980	2,348				999	1,210	1,456		
Other laundry equipment.....1,000 lbs.....			3,014	3,427	4,526	6,340				783	1,003	1,102	2,040	
Gas meters.....number.....	}	1	34,062	21,234	23,769	22,663	25,337	}	590	242	273	332	320	
Water meters.....do.....				15,526	24,841	30,445	27,984			344	404	534	477	
Iron or steel body valves for steam, water, oil, and gas.....number.....						195						2,470		
Other parts, n. e. s.....1,000 lbs.....			84,257	78,341	97,980	124,104	23,395	37,357	31,023	24,952	31,439	35,311		
C. Office appliances.....do.....							15,024	23,466	33,860	36,811	44,094	48,489		
Accounting and calculating machines—														
Billing and bookkeeping machines.....number.....	}	20,933	33,257	8,484	11,483	12,325	}	1,174	4,451	8,226	3,357	5,078	6,236	
Listing-adding-bookkeeping.....do.....				4,808	7,308	8,884					2,203	3,884		
Typewriter-bookkeeping-billing.....do.....				6,675	5,017	6,675					2,352	2,352		
Nonlisting adding machines.....do.....				1,271	2,273	1,271					110	121		
Listing-adding machines.....do.....				20,030	33,754	33,683					3,130	3,786		
Calculating machines.....do.....				11,383	13,814	11,383					2,335	2,335		
Card punching, sorting, and tabulating machines.....number.....		1,500	1,371	1,356	1,116	1,119								
Other, including used and rebuilt.....do.....		2,570	3,743	5,346	282	282								
Duplicating machines, parts and supplies for cash registers.....number.....	39,565	17,269	24,664	27,644	35,498	38,264	3,775	1,450	641	431	594	569		
Parts of cash registers.....do.....								3,436	4,892	5,139	6,794	7,475		
Typewriters.....number.....		1,254,463	319,324	328,852	378,108	390,539	10,310	359	448	522	622	673		
Standard typewriters, new.....do.....		²⁵ 205,407	205,407	202,122	216,338	212,959								
Portable typewriters, new.....do.....		²⁵ 85,602	85,602	98,456	123,953	132,291		²⁵ 14,192	18,021	18,199	20,856	21,012		
Used and rebuilt typewriters.....do.....		²⁵ 27,315	28,315	28,274	37,817	45,289		²⁵ 14,010	14,010	13,734	14,934	14,627		
Typewriter parts.....do.....								²⁵ 3,087	3,037	3,532	4,700	4,937		
Other office appliances.....do.....								²⁵ 924	924	883	1,221	1,398		
								¹ 834	1,632	891	1,011	949		
										2,429	2,743	3,914		
D. Printing machinery.....do.....							8,344	9,806	9,900	14,278	15,248	16,579		
Typesetting machines.....number.....		¹ 1,249	1,237	1,279	1,312	1,446	² 1,851	3,641	3,447	3,740	4,504	4,947		
Printing presses.....do.....		¹ 2,724	2,208	2,518	2,972	2,931	2,604	5,282	4,798	6,232	6,251	6,156		
Other printing machinery and accessories.....do.....								¹⁰ 1,705	1,655	4,303	4,491	5,476		

¹ Average for years 1922-1925.

² Average for years 1913-14.

⁸ Average for years 1912-1914.

⁹ Average for years 1911-1914.

¹⁰ Average for years 1923-1925.

¹⁶ Average for years 1924-25.

²⁵ 1925 only.

⁴¹ Up to 10 tons refrigerating capacity prior to Jan. 1, 1927.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

540

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 7—MACHINERY AND VEHICLES—Contd.												
E. Agricultural machinery and implements												
Cream separators..... number	1 9,923	8,551	11,252	14,843	8,227	12,367	40,486 2 410	51,913 406	77,354 553	85,499 803	90,747 429	118,651 797
Other dairy machinery and parts..... number								1 902	1,289	1,325	1,342	1,504
Incubators and brooders..... number		1 11,216	14,703	21,599	28,956	31,099		237	367	444	668	735
Other poultry equipment, n. e. s.												187
Implements of cultivation												
Horse and power plows..... do			240,863	179,262	164,206	183,021			7,636	5,542	5,321	6,006
Harrows..... do		1 242,067	33,052	27,617	29,354	31,371	7,003	6,162	1,561	1,440	1,484	1,811
Cultivators, horse and power..... do			70,315	59,635	55,173	55,944			1,190	1,120	818	960
Planters, horse and power..... do			13,742	11,359	3,451	5,860			642	551	164	250
Drills and seeders, horse and power..... do		1 18,568	18,355	16,287	20,237	15,891	8 1,262	1,141	1,811	1,571	1,955	1,574
Sprayers and dusters..... do					55,983	83,269			25 255	255	296	483
Other cultivating implements and parts..... do		25 36,233	36,233	57,409				1 3,241	4,316	4,378	4,506	4,702
Harvesting machinery												
Mowers, except lawn..... number		1 68,724	36,603	19,319	14,362	14,120	42 16,708	2,813	2,367	1,211	883	835
Lawn mowers, hand and power..... do			102,538	119,931	85,818	117,950	2 377	48 543	746	875	727	949
Hayrakes and tedders..... do		1 10,388	18,912	7,718	5,611	10,820	2 578	389	691	274	204	363
Grain harvesters and binders..... do		1 29,563	31,423	45,258	27,280	22,577		1 4,738	5,339	7,874	4,640	4,472
Combines (reapers, threshers)..... do		1 1,720	1,720	4,444	4,705	7,317		25 1,028	1,028	3,165	5,476	10,449
Other harvesting implements and parts..... do								1 3,292	3,955	3,706	2,963	4,033
Seed separators												
Threshers..... number		1 5,175	4,229	5,590	4,717	6,046	8 3,859	4,755	3,503	5,156	4,644	5,723
Corn shellers..... do		1 10,626	14,423	15,160	14,537	21,272		1 212	278	344	199	237
Other separators and parts..... do								1 1,158	1,262	2,404	1,928	2,024
Feed cutters, grinders, and crushers..... number		1 2,910	3,504	4,861	8,394	8,905						
Wheel tractors..... do			44,969	49,984	56,563	53,993		1 165	230	249	282	393
Track-laying tractors..... do			977	1,258	1,715	3,169			26,142	28,282	34,540	44,590
Track-laying tractors less tracks..... do	2,097	22,965				703	3,978	14,312	1,538	2,204	3,211	6,947
Engines for tractors..... do			1,460	2,251	1,265	642						1,162
Parts and accessories for tractors..... do									613	1,197	494	213
Windmills..... number		1 11,558	17,056	17,807	21,695	25,151	1,646	2,559	4,615	5,614	7,443	9,612
Towers and parts of windmills, except pumps..... do								1,105	1,431	1,193	1,428	1,584
Hay presses, hand and power..... number		1 1,922	1,287	851	769	1,205		1 528	697	656	892	776
Other agricultural machinery, implements, and parts..... do								1 252	317	244	250	530
F. Automobiles and other vehicles												
Automobiles, parts, and accessories..... do							42,240	310,397	362,258	355,888	420,689	538,290
							24,142	177,164	318,286	320,179	388,528	500,177

FOREIGN COMMERCE

Electric trucks and passenger cars, number.....		1 202	128	103	114	138		1 280	195	156	207	178
Motor trucks and buses, and chassis, except electric..... number.....	2 859	25,952	58,625	66,880	105,447	138,768	2 1,459	18,165	37,704	47,176	70,123	91,361
Up to 1 ton..... do.....		1 23,752	46,502	52,184	85,674	104,666		19,610	19,441	24,084	40,777	51,844
Over 1 to 2½ tons..... do.....		1 5,572	10,423	12,414	17,517	30,996		17,102	13,014	16,025	22,686	32,201
Over 2½ tons..... do.....		1 1,246	1,699	2,282	2,256	3,106		1 3,411	5,249	7,067	6,661	7,816
Passenger cars and chassis, except electric..... number.....	2 26,299	124,092	244,306	238,540	278,748	368,329	2 24,834	94,339	184,886	176,432	207,966	263,575
Factory list price.....												
Low price range, up to \$1,000 ⁴ do.....		1 96,682	160,678	165,293	153,484	280,440		1 47,274	80,089	84,299	73,671	149,986
Medium price range over \$1,000 up to \$2,000 ⁴ do.....		1 47,300	78,413	67,493	115,882	76,335		1 52,968	90,578	76,598	111,726	85,732
Over \$2,000..... do.....		1 3,896	5,215	5,754	9,382	11,554		1 9,473	14,219	15,625	22,570	27,857
Parts of, except tires—												
Automobile engines—												
For motor trucks and buses..... do.....	3 7,379	54,420	41,571	4,265	5,423	16,244	3,300	3,550	586		678	1,651
For passenger cars..... do.....			104,277	114,228	91,631	108,061		6,355	11,740	11,940	10,208	11,375
Automobile parts for assembly								42,487	33,535	41,295	62,491	62,491
Automobile parts for replacement, n. e. s.							4,032	29,213	36,075	50,177	60,334	60,334
Automobile accessories								8,611	9,279	7,874	9,281	9,281
Automobile shock absorbers..... number.....						500,551					1,254	1,254
Automobile bumpers..... do.....						67,891					344	344
Other accessories, n. e. s.											7,683	7,683
Automobile service appliances, n. e. s.											6,998	6,998
Automobile tire-service equipment								10 3,117	5,433	6,862		7,365
Pumps for gasoline and oil..... number.....						97,706					1,135	1,135
Other service appliances											3,472	3,472
Automotive fire engines..... number.....		10 95	115	41	47	54		10 169	153	136	123	224
Trailers..... do.....		1 654	623	1,002	928	854		1 264	282	347	419	396
Airplanes, seaplanes, and other aircraft, do.....	3 31	54	80	50	63	182	3 125	341	511	303	849	1,760
Engines for aircraft..... do.....		1 112	73	297	54	179		1 132	171	574	485	665
Parts of aircraft, except tires							2 32	150	102	150	570	1,240
Cycles—												
Bicycles..... number.....		1 14,591	7,710	5,344	4,832	5,089	1 186	463	210	151	129	134
Motor cycles..... do.....		17,759	22,845	22,676	19,469	18,934		4,386	5,080	4,916	4,374	4,403
Parts and accessories, except tires								1 1,637	1,668	1,707	1,812	1,472
Motor boats with engines installed..... number.....	549	135	174	212	296	455	542	405	422	562	510	755
Internal-combustion marine engines, except Diesel—												
Detachable motors (outboard)..... number.....	3 10,380	5,038	3,611	5,165	6,541	10,479	3 1,511	1,199	377	576	807	1,484
Other..... do.....			2,880	3,147	2,672	2,987			1,029	1,145	1,249	1,613
Railway cars—												
Passenger service—												
Electric railway..... do.....		45 1,187	59	59	91	94	45 3,237	45 1,584	518	674	632	1,026
Steam railway..... do.....		143	183	249	216	275		1,347	696	1,324	1,605	1,450
Freight cars..... do.....		6,654	6,171	4,403	2,723	3,883	6,443	8,276	7,153	3,904	2,539	3,938

¹ Average for years 1922-1925.

² Average for years 1913-14.

³ Average for years 1912-1914.

¹⁰ Average for years 1923-1925.

¹⁵ 1925 only.

⁴ Mowers and reapers.

⁴ Up to \$800 and \$800 up to \$2,000, respectively, prior to Jan. 1, 1923.

⁴⁵ Data prior to 1922 are "cars for railways other than steam."

⁴⁵ Average for years 1921, 1922, and 1925.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

542

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 7.—MACHINERY AND VEHICLES—Contd.												
F. Automobiles and other vehicles—Continued.												
Railway cars—Continued.												
Mine cars..... number		1 1,916	1,953	1,437	1,437	1,325		1 420	417	367	278	382
Air-brake equipment.....								1 698	979	1,224	1,161	1,121
Parts, except axles and wheels.....								5,506	4,047	5,077	3,766	3,370
Wagons and drays..... number	2 20,565	8,389	8,214	5,489	4,624	7,051	2 1,280	705	839	657	421	501
Wheelbarrows..... do			100,154	110,699	110,934	101,242			458	479	446	335
Pushcarts and hand trucks..... do		1 92,965	13,169	12,434	12,005	15,550	628	600	198	232	231	301
Wheels, except automobile and car..... thousands		1 184	133	199	100	102		1 204	230	290	253	292
Other vehicles and parts.....							4,557	3,618	2,880	4,050	2,986	3,776
GROUP 8.—CHEMICALS AND RELATED PRODUCTS												
Total.....							46,632	107,564	116,770	125,222	132,251	137,314
A. Coal-tar products												
Crudes.....												
Benzol..... 1,000 galls.		9,730	7,852	19,137	25,794	21,338		2,591	1,748	5,513	6,665	4,963
Crude coal tar and coal-tar pitch..... 1,000 bbls	73	217	109	216	673		103	701	327	883	3,256	
Crude coal tar..... do						138						581
Coal-tar pitch and coal-tar pitch coke..... tons of 2,240 lbs.						38,354						608
Other crude distillates..... 1,000 lbs.		1 12,345	20,499	25,363	14,201	16,090		412	641	663	453	458
Intermediates..... do		1,694	2,531	1,750	2,418	2,790		306	472	340	343	316
Finished products—												
Package dyes for household use..... do						265						195
Other colors, dyes, stains..... do		1 16,948	25,800	23,812	26,771	27,559		5,332	6,694	5,950	5,495	6,336
Medicinals..... do		1 452	728	733	655	792		1 290	447	357	329	321
Other finished products..... do		1 4,034	3,417	1,746	4,134	2,106		1 446	432	357	365	335
B. Medicinal and pharmaceutical preparations												
Quinine sulphate and other salts of cinchona..... 1,000 oz.		1 439	638	239	252	253	6,801	18,061	19,768	19,877	20,103	20,350
Antitoxins, serums, vaccines, etc.....								1 198	237	144	113	111
Medicated plasters..... 1,000 lbs.		1 494	500	445	315	356		1 781	1,249	1,439	1,730	1,586
Medicinal preparations—												
For external use..... do								1 631	645	585	422	452
For internal use..... do												4,079
Other noncoal-tar preparations.....								1 15,601	17,637	17,509	17,839	11,658
												2,166

FOREIGN COMMERCE

C. Industrial chemical specialties						2, 138	5, 051	5, 050	7, 480	9, 883	15, 118
Nicotine and tobacco extracts	1,000 lbs.				2, 297	2, 287					603
Nicotine sulphate	do					93					90
Other tobacco extracts	do					2, 294					513
Lead arsenate	do					1, 094					141
Calcium arsenate	do					1, 179					67
Other agricultural insecticides, etc.	do					6, 305					663
Household insecticides, etc.	do			13, 190	4, 396	17, 416			2, 722	498	4, 435
Wood preservatives	do					139				3, 650	17
Washing powder and fluid	do	8, 262	4, 206	4, 516	4, 935	5, 821	378	248	274	263	317
Baking powder	do	2, 426	3, 890	4, 026	4, 501	5, 679	709	1, 568	1, 533	1, 634	2, 016
Petroleum jelly	do		1, 136	6, 482	5, 095	6, 404	599	1, 216	1, 075	899	889
White mineral oil	1,000 galls.					210					172
Water softeners, purifiers, boiler and feed-water compounds	1,000 lbs.					2, 814					285
Metal welding, soldering, and core compounds, fluxes, and hardeners	1,000 lbs.					1, 733					240
Filtering, deodorizing, and decolorizing compounds, chars, and carbons	1,000 lbs.					288					39
Polishes—											
Metal and stove polishes	do	13, 018	2, 808	2, 285	2, 402	2, 339	135	346	343	338	338
Shoe polishes	do	15, 376	5, 257	3, 393	3, 512	3, 282		1, 260	1, 303	996	938
Other blackings and polishes	do	2, 887	2, 608	3, 500	3, 380	4, 581	671	665	522	628	979
Leather dressings and stains	do					2, 168					425
Floor wax, wood, furniture, and auto polishes	1,000 lbs.					2, 413					554
Other chemical specialty compounds, n. e. s.											2, 930
D. Industrial chemicals						12, 748	25, 185	24, 147	23, 647	26, 018	25, 498
Acids and anhydrides—											
Acetic	1,000 lbs.					298					42
Sulphuric	do	7, 957	10, 468	7, 537	9, 224	7, 512	82	204	152	174	146
Boric (boracic)	do					3, 382					190
Other acids and anhydrides	do	14, 268	15, 608	16, 382	14, 252	12, 132	362	984	829	530	789
Alcohols—											
Menthanol ¹⁶	1,000 galls.	1, 658	788	408	417	311	718	732	321	312	263
Glycerin	1,000 lbs.		1, 963	1, 367	768	693		325	282	192	144
Other alcohols	do					2, 949	44	721	387	235	467
Acetone	do					4, 959					427
Formaldehyde (formalin)	do	2, 744	2, 799	2, 387	2, 236	2, 308		320	291	226	199
Amyl, ethyl, and butyl acetates	do					842					141
Nitro or aceto cellulose solutions, collodion, etc.	1,000 lbs.					1, 505					381
Ammonium compounds (except sulphate and anhydrous ammonia)	1,000 lbs.	15, 124	4, 521	4, 878	4, 388	2, 679		1, 934	871	675	561
Aluminum sulphate	do	33, 900	41, 512	44, 063	42, 257	45, 423		1, 452	506	521	552
Other aluminum compounds	do					837					86

¹ Average for years 1922-1925.² Average for years 1913-14.¹⁶ Average for years 1924-25.¹³ Of 500 pounds.¹⁶ "Wood and denatured alcohol" prior to 1924.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

544

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 8.—CHEMICALS, ETC.—Continued.												
D. Industrial chemicals—Continued.												
Calcium compounds—												
Acetate of lime.....1,000 lbs.	70,371	22,598	22,038	18,559	11,634	11,173	1,681	644	685	626	409	373
Carbide.....do	31,101	9,482	4,855	4,534	4,873	3,746	868	452	208	184	197	173
Chlorinated lime or bleaching powder do		27,467	27,389	20,858	16,687	21,870		508	472	388	311	370
Other, except arsenate and cyanide do						17,441						486
Ferrous or ferric compounds (coppers and other iron salts).....1,000 lbs.												
Copper sulphate (blue vitriol).....do	5,896	4,080	6,139	4,799	6,207	726	268	206	286	231	321	14
Other copper compounds.....do						8,667						455
Lead compounds (except arsenate and pigments).....1,000 lbs.						8						5
Dextrine or British gum.....do		¹ 19,329	22,678	22,200	24,659	384		¹ 773	1,031	906	1,002	43
Potassium compounds, n. e. s.....do		¹ 7,156	4,310	3,856	3,930	21,391		465	399	319	488	929
Sodium compounds, n. e. s.....do												
Bichromate and chromate.....do		¹ 355,100	355,346	348,088	391,645	542,350		8,725	8,353	8,427	9,672	11,624
Cyanide.....do		² 7,299	7,299	8,527	8,906	8,692		² 445	445	531	563	561
Borate (borax).....do		¹ 3,014	11,592	1,883	1,299	1,522		¹ 368	274	305	213	242
Carbonate (soda ash, sal soda, washing soda).....1,000 lbs.		25,979	33,888	28,610	73,908	135,703		1,176	1,528	1,257	2,422	3,454
Silicate (water glass).....do		43,055	45,772	52,186	53,544	66,662		936	970	1,096	1,141	1,241
Hydroxide (caustic soda, lye).....do		31,249	40,517	48,345	54,985	59,326		305	354	396	432	642
Bicarbonate (acid soda or baking powder).....1,000 lbs.		100,872	100,955	103,295	100,889	119,445		3,400	2,996	3,112	2,994	3,458
Other sodium compounds, n. e. s.....do		15,403	17,298	19,339	18,267	18,711		344	351	373	338	345
		¹ 112,520	108,025	83,854	79,825	132,319		2,180	1,435	1,357	1,569	1,651
Tin compounds.....do												
Zinc compounds (except oxide).....do						591						201
Gases, compressed and liquefied—												
Ammonia.....do						3,377						152
Carbon dioxide (carbonic acid).....do						1,908						315
Chlorine.....do						547						56
Oxygen.....do						5,498						235
Other gases, n. e. s.....do						497						77
Other industrial chemicals.....do						1,335						232
							8,725	9,151	9,074	9,400	10,528	5,142

FOREIGN COMMERCE

E. Pigments, paints, and varnishes							6,802	14,765	18,936	19,254	21,319	25,614	
Mineral earth pigments, ocher, umber, sienna, oxides, whitening, etc. 1,000 lbs.		1,28,944	31,265	31,955	37,292	38,733		1,925	903	1,006	1,125	1,084	
Chemical pigments—													
Zinc oxides	do.	29,608	10,517	21,710	29,323	28,989	29,598	1,104	775	1,504	1,917	1,822	1,850
Lithopone	do.		2,655	2,573	3,881	4,220	6,652		146	133	200	223	338
Bone black and lampblack	do.			3,805	3,529	3,016	3,751			250	242	189	219
Carbon black	do.		133,637	43,183	39,210	54,431	77,903	926	3,175	3,556	3,623	4,600	6,794
Red lead and litharge	do.		2,325	1,604	1,550	2,858	4,168		226	184	175	271	365
White lead	do.	16,291	10,832	13,663	12,478	12,095	12,953	2,979	944	1,293	1,119	947	952
Other chemical pigments	do.		15,640	6,326	5,576	4,074	5,270		716	790	707	531	747
Paints, stains, and enamels—													
Roofing preparations (liquid or plastic) 1,000 gals.							1,412		10,275	425	366	411	725
Enamel paints	do.			432	479		642		1,592	882	1,147	1,213	1,595
Laquers	do.						557						1,392
Ship-bottom paints, anticorrosive and anti-fouling 1,000 gals.							56						111
Other ready-mixed paints	do.	11,861	2,237	2,208	2,634	2,697	2,154	3,669	4,658	4,590	5,378	5,294	
Stains, paste, paint, and other	1,000 lbs.	10,378	11,438	9,973	9,968	8,332	2,828	2,168	2,363	2,120	1,999	1,533	
Varnishes—													
Oil	1,000 gals.	1,111	890	712	631	482	4,351	1,587	1,279	1,128	870	782	
Other varnishes	do.		395	476	802	412	1,000	746	912	1,740	588	1,223	
Paint specialties													
F. Fertilizers and fertilizer materials													
tons of 2,240 lbs.		1,289,319	1,023,151	1,142,354	1,102,732	1,271,043	1,218,838	10,735	17,472	17,298	20,040	17,724	16,095
Nitrogenous fertilizer materials—													
Sulphate of ammonia	do.		129,026	123,141	181,125	138,692	93,015		7,924	6,749	9,824	6,827	4,373
Other nitrogenous materials	do.		16,614	6,802	9,639	8,951	7,772		1,338	368	566	492	324
Phosphate materials—													
Phosphate rock—													
High-grade hard rock	do.		117,793	158,985	103,572	128,774	89,702		2,343	2,283	1,196	889	616
Low-grade hard rock	do.		616,033	711,215	645,391	789,431	809,062	9,130	3,607	3,394	3,240	3,843	3,897
Superphosphates (acid phosphates)	do.		36,938	65,779	64,452	107,507	88,613		516	989	987	1,615	1,511
Prepared fertilizer mixtures	do.		124,832	29,923	26,438	14,720	14,414		1,187	1,530	1,000	618	936
Other fertilizers	do.	58,748	43,445	46,509	72,164	82,962	104,260	1,605	1,862	1,985	3,268	3,441	4,498
G. Explosives, fuses, etc.								1,747	3,892	4,691	4,223	3,455	5,185
Explosives—													
Smokeless powder	1,000 lbs.	1,154	1,349	1,128	614	236	1,998	328	559	621	453	168	1,608
Other gunpowder	do.			446	672	484	587			147	163	179	159
Blasting powder	do.		2,458	2,670	1,664	2,957	3,329		1,216	194	126	226	228
Dynamite	do.	13,396	14,590	16,986	16,221	12,110	15,501	1,419	2,270	2,444	2,331	1,808	2,171
Other explosives	do.		1,072	1,952	921	767	466		1,224	384	277	186	83
Primers and fuses—													
Safety fuses	1,000 lin. ft.				83,710	91,191	95,698		407	510	515	564	589
Electric and other blasting caps	1,000 caps.				60,617	33,989	31,541		1,331	391	358	373	346

¹ Average for years 1922-1925.
² Average for years 1913-14.
¹⁰ Average for years 1923-1925.

²⁵ 1925 only.
⁴⁷ "Red lead" prior to Jan. 1, 1927.
⁴⁸ "Other varnishes" includes "Laquers" prior to Jan. 1, 1928.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

546

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 8.—CHEMICALS, ETC.—Continued												
H. Soap and toilet preparations.....							5,563	15,257	16,119	16,806	16,853	15,880
Soap.....												
Toilet and fancy.....1,000 lbs.....		1,6768	6,761	8,975	8,187	7,237	1,867	2,784	2,805	3,038	2,802	2,299
Laundry.....do.....			55,806	60,767	56,229	47,617			4,009	4,120	3,878	3,377
Other.....do.....	52,199	76,213	13,098	13,625	12,992	9,022	2,487	5,821	1,222	1,245	1,183	827
Perfumery and toilet waters.....								1,482	451	391	374	460
Talcum and other toilet powders.....1,000 lbs.....		1,3,539	3,469	3,289	3,254	3,187		1,1,660	1,882	1,727	1,621	1,606
Creams, rouges, and other cosmetics.....do.....		1,2,256	2,535	2,880	2,957	3,508		1,1,144	1,331	1,624	1,707	1,898
Dental creams.....do.....			3,119	3,119	3,828	2,942				3,021	3,357	2,659
Other dentifrices.....do.....		1,3,374	3,406	491	697	631		1,2,712	3,211	359	383	331
Other toilet preparations.....do.....		1,1,757	1,745	1,760	2,001		1,209	1,854	1,206	1,281	1,548	1,893
GROUP 9.—MISCELLANEOUS												
Total.....							59,005	118,942	127,187	132,904	134,938	142,387
A. Photographic goods.....												
Cameras.....thousands.....		1,206	312	437	474	460	7,984	17,399	18,469	18,603	18,698	20,218
Parts of cameras, except lenses.....							8,679	1,226	1,223	1,621	2,461	2,424
Motion-picture films.....								1,369	384	702	892	574
Sensitized, not exposed.....1,000 lin. ft.....	113,936	55,875	74,605	41,437	49,512	75,015	5,797	1,296	1,589	1,033	1,354	1,727
Exposed.....do.....		167,127	235,586	220,628	232,105	222,123		7,048	8,681	7,731	7,231	6,474
Negatives.....do.....		18,690	9,930	6,601	9,449	7,712		1,1,253	1,893	1,335	1,456	1,221
Positives.....do.....		1,164,999	225,656	214,027	222,656	214,411		1,5,928	6,788	6,396	5,776	5,253
Other sensitized films, not exposed.....thousands.....		1,21,867	21,911	23,457	20,940	20,562	2,065	4,144	3,631	4,371	3,500	4,403
Dry plates.....1,000 doz.....		1,651	722	1,000	864	805		1,430	380	525	370	471
Photographic paper.....1,000 lbs.....		1,1,567	1,802	1,830	1,914	1,925		1,1,477	1,479	1,471	1,576	2,014
Other photographic apparatus and supplies (including unsensitized picture films).....							797	1,864	1,122	1,149	1,314	2,133
B. Scientific and professional instruments, apparatus, and supplies.....												
Projection apparatus.....							4,645	9,986	10,629	12,110	12,300	12,386
Motion-picture machines.....number.....		1,1,238	1,507	1,943	3,042	5,955		1,302	346	521	641	950
Stereopticons, magic lanterns, and other projection apparatus.....								1,202	286	295	473	308
Optical goods.....												
Spectacles, eyeglasses, and parts of.....								1,438	925	893	924	927
Lenses, not fitted to instruments.....thousands.....		1,2,719	3,027	4,959	4,302	3,483		1,554	608	742	694	465
Other optical goods.....							798	1,087	1,577	1,715	1,404	1,172

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Dental instruments and supplies																				
Teeth..... thousands		12,773	23,848	31,568	32,305	24,728	2,473	614	1,264	1,429	1,508	1,663								
Dental office equipment								607	1,150	1,352	1,475	1,305								
Surgical and medical instruments							215	728	612	628	650	650								
Surgical appliances, artificial limbs, crutches, trusses, etc.								354	343	518	534	486								
Surveying and engineers' instruments							1,131	2,469	428	379	359	481								
Other scientific, laboratory, and professional instruments and apparatus								293	330	440	429	418								
							1,315	2,567	2,649	3,215	3,129	3,542								
C. Musical instruments							6,125	10,854	13,384	15,978	17,673	18,131								
Pianos—																				
Player pianos..... number	6,962	9,252	15,114	17,976	14,242	6,792	1,583	2,945	4,470	5,156	4,068	2,061								
Other pianos..... do.		5,729	5,473	5,055	3,447	2,823		1,400	1,248	1,128	744	620								
Player-piano actions and parts of							489	238	500	455	515	430								
Other piano actions and parts of								165	226	174	187	170								
Perforated music rolls..... thousands		1,516	559	413	264	214	1,143	271	283	212	123	97								
Organs..... number	9,107	1,487	2,004	1,416	1,686	1,283	657	175	276	221	387	502								
Phonographs..... do.		82,320	31,079	103,769	144,874	230,310	2,641	2,267	2,271	3,281	5,278	7,198								
Phonograph records..... thousands		13,265	4,092	5,538	6,901	9,731		1,630	1,721	2,223	3,106	3,789	3,789							
Band instruments..... number		19,577	13,654	17,813	17,153	16,739		1,317	508	688	690	705								
String instruments..... do.		142,368	78,053	105,929	59,458	46,126		1,195	319	443	328	274								
Other musical instruments, parts, and accessories							698	1,385	1,562	2,047	2,247	2,286								
D. Miscellaneous office supplies							2,005	7,118	9,159	8,820	8,641	9,980								
Pencils and pens—																				
Refillable pencils and pencil leads ⁴⁹							497	2,045	726	819	711	851								
Other pencils ⁵⁰ 1,000 doz.			7,873	6,557	5,780	5,774		148	1,461	1,325	1,197	1,116								
Metallic pens except gold..... 1,000 gross		273	325	443	372	334	325	575	1,280	1,340	1,483	1,846								
Fountain pens..... doz.		37,824	77,713	79,595	80,596	138,068		1,234	252	209	195	352								
Writing ink								1,169	1,320	1,439	1,304	1,528								
Printer's and lithographic ink..... 1,000 lbs.		10,119	11,305	10,895	10,816	11,869	405	211	183	219	292	292								
Other ink..... do.		1,452	413	585	767	763	257	307	399	372	327	355								
Paste and mucilage..... do.		12,679	3,501	3,335	3,419	3,308	446	658	858	842	830	963								
Carbon paper..... do.		1,889	1,093	1,111	1,189	1,342	247	530	651	637	658	663								
Typewriter ribbons..... dozens				208,796	217,156	223,705														
Paper clips and binders, penholders, inkstands, and other office supplies							81	1,272	1,841	1,399	1,421	1,839								
E. Toys, athletic and sporting goods							1,388	3,560	3,795	3,946	4,435	4,913								
Toys—																				
Dolls and parts of								214	197	163	191	224								
Toy wheel goods and parts of											735	782								
Mechanical toys								129	120	124	170	198								
Other toys							993	1,710	1,636	1,684	1,459	1,517								

¹ Average for years 1922-1925.
² Average for years 1913-14.
³ Average for years 1912-1914.

⁴⁹ "Refillable pencils" prior to 1925.
⁵⁰ "Other pencils and pencil leads" prior to 1925.

No. 537.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 9.—MISCELLANEOUS—Continued												
E. Toys, athletic and sporting goods—Continued												
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, and tackle.....								¹ 294	330	304	323	383
Golf, tennis, foot, basket, and baseballs.....								¹ 162	162	227	207	229
Other athletic and sporting goods, except shoes, clothing, and firearms.....							⁸ 658	1,022	1,063	1,126	940	1,073
Amusement-park and playground devices.....								¹⁶ 301	287	318	431	512
F. Firearms and ammunition												
Firearms and ordnance—												
Revolvers and pistols..... number.....		¹ 46,045	63,532	59,394	52,841	74,204		633	931	928	915	1,290
Rifles..... do.....		¹ 91,382	47,561	61,335	61,520	43,285		525	525	657	724	588
Shotguns..... do.....			55,461	62,785	63,023	52,218	3,212	1,034	485	517	510	484
Machine and heavy ordnance guns and carriages..... number.....		¹ 659	352	1,315	525	285		197	101	460	185	87
Ammunition—												
Shot shells..... 1,000 lbs.....		¹⁶ 3,018	3,880	3,568	3,683	3,035		¹⁶ 730	956	973	961	798
Metallic cartridges ⁸¹ do.....		5,600	5,486	4,707	4,253	4,169	2,732	2,436	2,627	2,416	1,994	2,027
Explosive shells and projectiles..... do.....		1,481	49	66	328	101		150	22	22	215	17
Other, including fireworks..... do.....		1,402	388	651	1,367	590		288	124	309	518	249
G. Books, maps, pictures, and other printed matter												
Books and pamphlets.....												
Maps and charts.....									10,472	11,221	11,912	11,824
Music in books and sheets.....									221	276	227	206
Souvenir post cards.....							8,903	13,561	334	358	347	361
Lithographically printed matter, except post cards and maps.....									238	213	211	188
Playing cards..... 1,000 packs.....		¹ 7,492	8,012	6,615	6,361	6,525	291	802	857	688	705	752
Other printed matter.....								¹ 6,866	6,665	6,124	6,665	7,737
H. Clocks and watches												
Clocks—												
One-day alarm clocks..... thousands.....		¹ 664	678	519	608	607		¹ 823	818	695	751	687
Mantel and novelty clocks..... do.....				82	75	67				312	275	265
Wall clocks..... do.....				25	25	24				167	158	133
Other clocks and parts.....							1,593	1,343	1,072	403	359	356

FOREIGN COMMERCE

Watches.....	thousands		792	576	827	832	1,583	1,179	1,255	1,043	1,049	1,062		
Without jewels.....	do.			520	767	771					521	541	534	534
With jewels.....	do.			56	59	61					522	508	508	528
Parts of watches.....											651	603	630	680
Time-recording devices and parts of.....											376	446		
I. Art works—Painting and statuary.....								985	902	808	1,416	1,371	1,503	
J. Miscellaneous, n. e. s.....								16,697	40,931	40,321	40,584	38,115	41,861	
Composition roofing—														
Asphalt roofing.....	1,000 squares		662	938	854	935	1,135	1,782	920	1,212	1,151	1,251		
Asbestos roofing.....	do.	1,028	79	95	68	67					522	559	509	446
Other roofing.....	do.		104	144	129	96					185	295	284	199
Billiard tables and accessories.....									364	363	397	351	427	
Buttons—														
Pearl or shell.....	1,000 gross		500	409	351	396	652	177	194	141	128	136		
Other buttons.....	do.	1,634	1,524	1,416	1,697	1,419					560	428	361	309
Lamps and illuminating devices, except electric—														
Incandescent mantles.....	1,000 doz.		194	200	231	202	2,747	3,431	165	156	180	145		
Lamps and lanterns.....	thousands			3,631	2,772	2,366					3,133	2,445	1,888	1,644
Other lighting devices, except glass.....						241					427	449	360	392
Matches.....	1,000 lbs.		1,062	833	583	631	1,087	86	215	160	103	95		
Fire extinguishers.....	number		45,315	29,954	34,971	28,585	48,568	90	335	280	351	343		
Fly paper, traps, and swatters.....								180	191	194	155	148	95	
Pyroxylin products, known as celluloid, pyramin, viscoloid, fiberloid, etc.—														
Sheets, rods, tubes.....	1,000 lbs.		2,909	2,464	2,323	1,530	3,147	1,589	2,998	2,037	1,712	1,303	2,264	
Manufactures.....	do.			1,940	2,191	1,039	869			1,924	2,085	1,175	1,095	
Brushes—														
Toilet brushes.....	doz.			280,477	272,286	269,971	264	598	727	728	706	702		
Paint brushes.....	do.	396,214		64,977	64,851	61,190	70,176			247	222	193	200	
Other brushes.....	do.			151,978	195,031	189,631	157,428			388	398	320	286	
Plates and cuts, electrotype, stereotype, halftone, lithographic, or engraved.....	1,000 lbs.		1,350	322	337	464	422	76	385	403	402	482	484	
Umbrellas or parasols.....	thousands		1,121	147	96	117	90	36	194	215	167	185		
Candles.....	1,000 lbs.	2,967	1,821	1,384	1,253	1,146	1,032	274	284	252	255	262		
Notions.....								78	1,969	2,124	2,301	1,913	1,913	
Refrigerators.....	number		10,883	14,430	20,763	16,380	13,892	316	830	536	1,444	607	579	
Soda-fountain equipment.....									209	228	353	351	538	
Shoe findings—														
Heels and counters, except rubber.....	1,000 lbs.			979	563	494	655	65	1,635	259	147	123	185	
Other.....										1,319	1,300	1,243	1,523	
Trunks.....	number		20,967	25,314	27,415	29,547	29,655		400	473	497	533	621	
Household and personal effects.....									7,655	12,506	12,997	13,290	13,945	16,114
All other articles.....									1,386	11,973	8,593	8,921	9,349	

¹ Average for years 1922-1925.² Average for years 1913-14.³ Average for years 1912-1914.⁴ Average for years 1923-1928.⁵ Average for years 1924-25.⁶ "Cartridges loaded" prior to 1924.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years except for 1910-1914, which are for years ended June 30. Figures for 1910-1914 and 1921-1925 are annual averages. A greater number of items are shown separately beginning about 1912 and 1922, and for this reason many averages for two, three, and four years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the data.

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
Total imports of merchandise							1,688,874	8,450,108	4,226,589	4,430,885	4,184,742	4,091,444
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							42,871	89,997	102,517	116,253	136,106	140,208
A. Animals, edible							7,590	5,924	6,111	9,153	21,104	22,463
Cattle, 1,000 head	397	178	175	221	445	536	7,219	5,266	5,173	6,204	10,450	21,576
Sheep, head	88,468	63,200	67,054	42,146	28,598	21,802	371	405	498	236	225	188
Poultry, live, 1,000 lbs.		1,700	2,072	2,108	1,630	1,505		1,351	440	472	383	380
Hogs, do				17,931	35,884	3,620				2,181	4,041	319
B. Meat products		67,805	63,038	93,069	148,758	183,249	7,702	19,291	25,999	28,701	34,902	35,632
Beef, fresh, do			12,160	16,213	35,082	50,181		2,696	1,263	1,697	4,339	5,553
Veal, fresh, do		24,480	3,710	3,893	7,492	8,139			502	576	1,098	1,396
Pork, fresh, do		3,131	7,235	9,156	14,524	7,811		579	1,390	2,034	2,897	1,495
Mutton, fresh, do			219	946	494	826		1,339	27	82	83	74
Lamb, fresh, do		9,540	2,551	2,419	2,151	2,442			583	421	398	442
Other fresh meats, do		2,547	973	1,769	5,212	5,787	5,067	774	179	277	603	871
Poultry, dead, do			2,774	6,027	3,628	5,856		1,877	858	2,030	1,012	1,564
Poultry, prepared, do		1,2494	366	465	581	477			238	295	361	289
Canned meats, do			10,805	22,784	35,669	55,156		1,396	1,189	2,743	4,311	6,644
Other meats, prepared or preserved, do		9,858	2,723	10,862	23,168	15,133			764	2,054	4,014	1,832
Beef and veal, pickled or cured, do						8,469						1,001
Pork ham, shoulders, bacon, do						2,540						902
Pork, pickled, salted and other, do						2,516						984
Sausage casings—												
Sheep, lamb, and goat, do					6,898	5,934					9,557	8,741
Other casings, do		16,752	19,517	18,534	13,857	11,982	2,635	11,980	19,006	16,493	6,275	3,845
C. Animal oils and fats, edible		4,450	2,793	16,009	16,220	16,665	766	382	300	1,481	1,223	1,344
Tallow, do						14,239						1,105
Other, do						2,426						239

D. Dairy products													
Cream	1,000 gals.	1,441	7,660	5,172	5,374	4,843	3,621	10,847	28,114	30,110	34,245	36,984	34,228
Milk	do.			7,422	7,412	4,593	5,632	1,198	5,511	7,592	8,051	7,606	5,898
Milk, condensed and evaporated—										1,242	1,252	779	997
Unsweetened	1,000 lbs.				633	1,320	2,117	1,478		67	129	179	112
Sweetened	do.				3,958	343	506	1,131		472	36	41	94
Milk powder	do.		9,049		5,430	5,224	6,828	3,895	1,193	531	673	897	664
Cream powder, malted milk, etc.	do.				2,343	2,488	905	1,164		211	221	90	109
Butter	do.	2,480	15,175	7,212	8,029	8,460	4,659	568	5,645	2,646	2,799	2,872	1,659
Cheese	do.	49,220	51,888	62,463	78,417	79,796	81,403	8,795	15,764	17,349	21,084	24,500	24,695
E. Fish													
Fish, fresh, frozen, or packed in ice—	1,000 lbs.	292,986	290,658	276,119	324,139	321,421	373,883	15,433	29,274	30,113	34,343	35,423	38,542
Salmon	do.		8,963	6,549	5,444	6,061	6,254		981	750	646	670	716
Fresh-water fish and eels	do.	139,340	41,241	43,886	53,055	53,349	53,349		13,346	3,841	4,806	5,049	5,302
Cod, haddock, hake, and pollock	do.	11,043	1,245	964	728	830	820		150	62	46	35	37
Halibut	do.	11,614	3,740	5,719	4,014	4,358	4,014		1,473	465	747	479	491
Mackerel	do.	15,740	4,409	2,853	2,154	2,169	2,154		1,394	302	159	152	146
Herring, frozen	do.	21,823	2,323	1,423	2,121	2,665	2,121		292	117	68	108	207
Smelts	do.	6,819	6,669	9,099	6,716	8,801	8,801		923	878	1,186	931	1,210
Tuna fish	do.	7,739	10,444	9,399	32,485	30,351	30,351		356	491	526	1,640	1,853
Herring, fresh sea	do.			46,254	16,960	54,331	54,331				429	133	344
Other fresh fish, n. s. p. f.	do.	53,280	58,796	26,079	8,370	10,867	8,623	2,366	3,513	951	1,164	1,211	902
Fish, cured or preserved—													
Salmon, cured	do.		12,330	2,652	4,497	2,441	1,064		1,365	422	659	376	308
Cod, dried ¹	do.	30,286	38,979	29,753	36,808	32,378	32,479	1,575	2,776	2,711	2,794	2,263	2,708
Herring	do.	79,853	47,769	41,470	36,295	43,074	48,470	2,984	2,701	2,757	2,195	2,732	3,146
Mackerel	do.	29,850	13,792	13,732	10,751	12,023	8,161	1,578	1,129	1,075	648	738	570
Caviar and other fish roe	do.			793	739	830	830				668	638	1,082
Fish, skinned or boned, n. e. s.	do.		13,305	3,866	4,763	5,156	3,267		1,700	831	568	569	263
Packed in oil, etc.—													
Sardines	do.			19,307	26,216	26,761	29,329	2,699	4,639	3,451	4,500	5,235	5,139
All other	do.		25,317	7,013	9,182	5,695	5,131			1,339	1,796	1,388	1,350
Other cured or preserved	do.			1,776						137			
Other fish, dried, n. s. p. f.	do.			6,616						854			
Hake and pollock and other dried	do.		29,205		8,206	5,838	7,472	2,102	3,185		920	709	826
Other fish, pickled, salted, smoked, etc.	do.			23,493	23,512	25,660	34,834			2,212	2,229	2,588	2,77
Shellfish—													
Lobsters, other than canned	do.	8,602	6,770	6,931	6,537	6,369	6,538	1,303	1,363	1,540	1,556	1,660	1,721
Lobsters, canned	do.		1,738	1,451	1,792	1,780	1,606		1,035	834	1,136	1,018	1,005
Other shellfish, crabs, shrimps, and turtles	do.			6,121	7,562	8,862	9,295	697	876	949	1,129	1,272	1,295
Shrimps and shellfish, n. s. p. f.	do.												
Crabs and turtles	do.												
Crab meat	do.	2,787	4,987	9,183	8,308	8,984	12,775	5450	1,956	3,112	3,770	3,784	5,042

¹ Average for years 1923-1925.

² Average for years 1924-25.

⁴ "Cod, haddock, hake, and pollock" prior to Sept. 22, 1922.

³ Average for years 1921 and 1924-25.

⁵ Average for years 1913-14.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE—continued												
F. Other edible animal products							453	7,034	9,855	8,330	6,484	7,998
Eggs—												
Eggs of poultry in shell.....1,000 doz.	2,149	1,097	609	298	250	286	356	313	163	104	75	83
Whole eggs, dried.....1,000 lbs.			1,455	677	962	1,835			769	358	501	1,017
Whole eggs, frozen.....do.	999	18,763	12,531	9,292	2,774	11,124	127	3,726	1,537	1,626	493	1,750
Yolks, dried.....do.			5,683	4,398	3,525	4,464			1,379	1,486	1,588	1,999
Yolks, frozen, prepared, etc.....do.			5,800	4,161	2,778	3,029			959	755	469	600
Egg albumen, dried.....do.			4,189	3,499	2,960	2,371			3,339	2,450	1,703	1,229
Egg albumen, frozen, prepared or preserved.....do.		6,107						2,429				
Meat extract.....do.		237	4,328	3,611	2,341	650		2,222	542	510	346	100
Gelatin, edible.....do.	13,111	3,120	258	433	533	580		1,720	260	547	769	795
			3,120	2,421	2,741	1,896			637	495	541	425
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE												
Total							174,142	233,243	286,324	300,226	345,321	376,830
A. Hides and skins, raw (except furs).....1,000 lbs.	530,911	429,958	362,432	368,578	447,143	506,008	104,581	93,067	98,784	96,811	112,846	150,810
Cattle hides.....do.	261,293	229,808	166,793	150,452	237,234	276,176	42,469	33,593	26,695	22,092	41,360	63,694
Dry or dry salted (over 12 lbs.).....1,000 pieces		1,174	812	533	845	1,063		4,261	3,342	2,229	4,275	6,238
Wet salted (over 25 lbs.).....1,000 lbs.		24,885	17,160	11,851	18,278	21,620		29,332	23,353	19,863	37,085	57,456
Buffalo hides.....do.		3,901	3,005	2,816	4,298	5,092						
Dry or dry salted.....1,000 pieces		204,922	149,633	138,601	218,955	254,556						
Wet salted.....1,000 lbs.												
Buffalo hides.....do.												
Dry or dry salted.....1,000 pieces		121	109	131	191	264		385	463	546	556	1,561
Wet salted.....1,000 lbs.		2,107	2,226	2,599	4,083	5,646						
Kip and calf skins.....do.	83,513	44,416	23,812	45,201	44,307	45,835	21,665	10,560	8,589	11,590	13,109	18,105
Kip skins—												
Dry and dry salted (6 to 12 lbs.).....1,000 pieces		1,410	169	162	181	332		1,703	343	312	467	1,132
Wet salted (12 to 25 lbs.).....1,000 lbs.		13,962	1,498	1,451	1,734	2,158						
Calfskins—												
Dry and dry salted (less than 6 lbs.).....1,000 pieces		1,377	291	271	336	478		1,268	664	855	1,171	2,101
Wet salted (less than 12 lbs.).....1,000 lbs.		16,337	3,157	4,580	5,153	7,556						
Dry and dry salted (less than 6 lbs.).....1,000 pieces		2,858	2,052	3,104	2,645	2,395		3,410	2,960	3,787	3,603	3,720
Wet salted (less than 12 lbs.).....1,000 lbs.		11,798	6,432	9,047	6,933	6,374						
		3,017	2,401	4,046	2,810	3,769		5,568	4,632	6,636	7,868	9,152

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Horse, colt, and ass hides.....do	14,895	11,433	12,029	13,613	10,876	13,462	2,408	1,245	1,500	1,477	1,444	2,371
Dry and dry salted.....1,000 pieces		301	239	271	152	300		654	679	638	507	1,010
.....1,000 lbs.		4,847	3,918	4,767	2,580	4,458						
Wet salted.....1,000 pieces		173	206	237	295	224		592	821	840	937	1,361
.....1,000 lbs.		6,586	8,111	8,846	8,296	9,004						
Sheep and lamb skins.....do	65,077	61,246	61,650	59,138	57,349	63,177	11,025	15,220	23,438	18,148	16,148	20,731
Woolled, dry and green.....1,000 pieces		¹ 5,448	4,492	3,715	3,010	2,514		¹ 4,374	5,021	3,258	2,573	2,745
.....1,000 lbs.		¹ 16,396	15,047	13,022	12,045	9,854						
Slats, no wool.....1,000 pieces		¹ 20,653	20,547	19,504	4,982	5,340		¹ 14,206	18,323	15,082	3,885	4,169
.....1,000 lbs.		¹ 47,075	46,270	45,005	10,877	10,326						
Pickled skins.....1,000 pieces		698	120	548	14,466	17,755		447	114	451	9,390	13,817
.....1,000 lbs.		1,798	333	1,111	34,427	42,997						
Goat and kid skins.....do	95,822	72,760	81,648	87,695	81,304	90,304	24,575	29,629	33,197	39,084	35,488	41,740
Dry and dry salted.....1,000 pieces		39,456	44,869	49,013	44,647	47,822		26,752	31,103	35,643	32,058	37,050
.....1,000 lbs.		60,186	72,339	73,578	67,266	73,116						
Green or pickled.....1,000 pieces		3,823	2,662	4,469	4,365	5,660		2,877	2,094	3,441	3,430	4,690
.....1,000 lbs.		12,575	9,309	14,027	14,037	17,688						
Kangaroo and wallaby.....1,000 pieces		769	617	747	748	728	⁵ 309	726	561	661	666	688
.....1,000 lbs.	⁶ 1,213	863	758	901	876	858						
Deer and elk.....1,000 pieces				1,089	913	903				937	866	656
.....1,000 lbs.				2,750	2,493	2,456						
Other hides and skins.....do	9,848	6,693	7,398	6,098	8,555	7,958	2,115	1,586	2,049	1,583	2,841	3,239
B. Leather.....do							8,531	15,261	22,412	28,623	37,438	43,238
Upper leather—												
Cattle.....do								¹ 236	301	177	1,335	1,907
Calf and kip.....1,000 sq. ft.		¹ 11,991	13,392	20,210	32,096	26,622		2,895	4,520	6,881	9,967	9,228
Sheep and lamb, upper and lining.....do		¹ 3,962	4,186	3,093	2,589	2,814		382	854	513	518	579
Goat and kid, including glazed.....do		¹ 1,496	3,134	6,734	6,785	9,201	900	472	1,476	3,321	3,524	4,326
Lining leather (calf and kip only).....do				13,668	22,978	26,907				2,074	3,575	4,697
Patent.....do		¹ 3,131	4,856	4,945	7,278	5,815		770	1,583	1,607	2,802	2,474
Other upper leather.....do		¹ 12,766	19,275	3,707	1,799	2,860		1,975	3,508	1,137	1,706	3,567
Sole leather.....1,000 lbs.		4,850	6,356	7,774	10,257	9,004	⁷ 2,102	1,769	2,203	2,352	3,435	4,257
Glove leather.....1,000 sq. ft.		¹ 429	493	272	204	179	⁷ 2,126	158	165	103	65	65
Seal, sheep, and calf leather (other than shoe), dressed and finished.....1,000 sq. ft.				3,580	2,868	1,781				1,147	948	572
Leather cut into shoe parts.....do								¹ 530	545	675	467	627
Rough tanned leather.....1,000 lbs.			9,033	10,455	13,450	12,430	2,078	2,427	4,644	5,976	6,415	7,961
Skins for morocco tanned but unfinished.....1,000 lbs.						843						925
Rough tanned leather, n. s. p. l.....do						11,582						7,036
Harness leather.....do		1,099	991	997	1,195	1,082		⁸ 426	377	379	473	853
Other leather.....do							3,015	3,612	2,236	2,274	2,205	2,126

¹ Average for years 1923-1925.

² Average for years 1924-25.

³ Average for years 1913-14.

⁶ Cattle hides include buffalo hides in 1910-1914.

⁷ Average for years 1912-1914.

⁸ Average for years 1922-1925.

No. 538.—GENERAL IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, IN-EDIBLE—Continued												
C. Leather manufactures												
Boots and shoes (all leather).....1,000 prs.		429	815	1,070	1,477	2,617	9,644	12,773	13,958	17,207	21,957	25,652
Slippers (all leather).....do		1,472	180	377	460	634	7,299	1,399	2,429	3,381	5,200	8,254
Other footwear.....do		1,123	996	908	1,066	1,172		1,238	131	321	407	1,019
								1,421	355	331	311	317
Gloves.....do		8,288	8,322	9,808	10,476	11,505	8,078	8,395	7,511	8,918	10,570	11,104
Women's and children's.....do		8,153	8,202	9,703	10,332	11,417		8,204	7,352	8,764	10,367	10,982
Men's.....do		135	120	105	144	88		191	159	154	203	122
Bags, baskets, cases, boxes, etc										1,246	3,703	3,509
All other leather manufactures										3,010	1,466	1,449
D. Furs and manufactures												
Furs, undressed							1,386	2,583	3,433			
Caracul.....1,000 pieces						149						108,788
Ermine.....do						594						249
Fitch.....do						1,343						1,479
Guanaquito.....do						439						5,260
Kohinski.....do						526						1,602
Marmot.....do						2,362						2,167
Weasel.....do						1,502						4,378
Monkey.....do						269						2,925
Otter.....do						37						634
Opossum.....do						559						471
Hare ⁹.....1,000 lbs.		10 1,410	1,410	1,457	1,966	2,192		10 1,566	1,566	1,976	3,102	3,250
Beaver.....1,000 pieces.		1,180	164	148	115	110		1,349	3,676	3,412	3,054	2,983
Fox, other than silver or black.....do		11,948	2,299	1,279	1,797	1,712		113,444	15,839	9,806	17,294	16,465
Coney and rabbit ⁹.....1,000 lbs.		18,679	21,172	22,453	22,069	16,297		116,731	22,166	24,403	26,314	20,270
Marten.....1,000 pieces		1,304	142	144	190	146		14,192	1,940	1,984	3,107	3,209
Mink.....do		1,598	808	738	772	682		12,127	2,426	3,357	3,232	3,423
Mole.....do		14,676	2,961	3,496	4,820	10,284		1,746	396	447	551	1,306
Muskrat.....do		12,215	1,657	1,758	1,123	805		12,543	1,920	2,720	2,280	1,077
Squirrel.....do		117,115	15,893	15,875	10,821	8,066		114,667	13,725	13,842	11,953	7,942
Nutria.....do				242	118	44				1,065	619	240
Pony.....do						51						296
Skunk.....do						190						354
Wolf.....do						145						2,461
Lamb, kid, sheep, and goat skin furs.....do						8,435						15,617
Other furs, undressed.....do								28,741	37,940	44,233	52,123	10,058

Furs dressed on the skin, not advanced beyond dyeing.....1,000 pieces.....	3,902	7,404	2,396	2,830	2,919	11 4,807	2,743	4,040	2,396	3,362	7,182
Coney and rabbit.....do.....					2						1,242
Silver or black fox, dressed or undressed.....1,000 pieces.....					235						196
Lamb, kid, and sheep skin furs.....1,000 pieces.....					1,258						706
Dog and goat skins, dyed and dressed.....1,000 pieces.....											4,117
Other dressed furs.....											871
Manufactures of fur (except hats, bonnets, and hoods)—											
Cut fur for hatters' use, including fur skins carotod.....1,000 lbs.....	1 407	270	393	253	44		1 648	682	977	442	70
Plates and mats of dog and goat skins.....1,000 pieces.....	1 1,781	2,375	1,038	2,266	332		1 4,432	7,202	2,514	5,878	1,384
All other.....1,000 lbs.....						11 2,267	1,869	4,341			987
E. Animal oils, fats, and greases, inedible						1,796	4,898	7,196	8,987	8,788	9,896
Whale oil.....1,000 gals.....	1 5,483	7,399	8,458	5,300	9,118		1 2,970	4,328	4,225	2,642	4,202
Cod oil.....do.....					1,569						801
Cod-liver oil.....do.....	2,432	2,976	4,347	4,495	2,579		1,322	1,920	2,867	3,307	2,517
Other fish oil.....do.....	1 765	826	2,203	6,201	4,550	1,796	1 272	335	858	2,015	1,614
Wool grease.....1,000 lbs.....	11 1,322	10,068	11,844	10,974	10,664		1 359	350	472	432	359
Grease and oils n. e. s.....							1,286	202	565	373	333
F. Other inedible animals and animal products						26,962	27,606	30,666	31,183	29,041	28,962
Animals, inedible—											
Horses—											
For breeding.....number.....	14,169	2,740	391	680	415	2,528	1,015	1,252	1,681	1,318	668
Other.....do.....		1 450	1,763	2,347	2,173			388	521	510	700
Birds, live.....thousands.....			492	556	579		1 636	748	926	1,011	1,214
Foxes, silver.....number.....			4,242	2,305	976				900	454	185
Other animals.....						1,196	1,995	3,312	820	916	674
Bones, hoofs, and horns, unmanufactured.....1,000 lbs.....	89,028	95,742	118,849	139,112	118,789	1,045	1,204	1,119	1,434	1,750	1,727
Bone and horn manufactures.....						213	603	112	80	86	83
Bristles—											
Crude, not sorted, etc.....1,000 lbs.....	25	21	17	53	3	5	15	27	22	7	3
Sorted, bunched, or prepared.....do.....	3,538	4,655	4,584	5,327	5,202	4,831	3,156	7,576	8,233	7,680	6,969
Feathers, crude, not advanced—											
Ostrich feathers.....1,000 lbs.....		143	96	89	73	49	6,225	881	376	342	204
All other.....do.....	3,633	3,335	3,434	2,909	3,114		1,733	1,854	1,970	1,615	1,814
Feathers, artificial or ornamental, suitable for millinery.....							2,676	1,050	167	65	69
Feathers, advanced, not suitable for millinery, Feathers, colored or advanced, not suitable for millinery, and manufactures.....						1,460	154	195	165	209	179
Glue stock, hide cuttings, etc.....1,000 lbs.....	29,242	29,757	45,855	43,372	48,567	1,774	1,284	1,401	1,767	1,845	2,341
Gelatin, inedible, and manufactures.....do.....	2,000	1,675	2,088	2,067	2,391	632	1,001	1,001	1,196	1,181	1,439
Glue and glue size, and manufactures.....do.....	10,791	5,886	5,241	6,597	9,194	9,335	996	606	475	525	842

1 Average for years 1923-1925.

2 Average for years 1924-25.

3 Average for years 1912-1914.

4 "Coney and rabbit" includes "hare" prior to 1925.

10 1925 only.

11 Average for years 1911-1914.

No. 588.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

556

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, IN-EDIBLE—Continued												
F. Other inedible animals and animal products—Continued.												
Casein or lacatarena.....1,000 lbs..	9,802	17,421	18,804	26,281	24,210	28,651	5,677	1,916	1,573	2,552	3,120	3,678
Ivory tusks in natural state.....do.	570	349	366	356	243	159	1,489	1,115	1,373	1,285	829	423
Shells, unmanufactured—												
Mother-of-pearl.....do.		5,666	5,484	7,050	6,517	6,517	1,339	1,556	1,708	2,041	1,709	1,883
All other.....do.		1,263	1,378	4,512	4,523	589	589	248	221	158	255	270
Sponges and manufactures.....do.		1,431	1,238	1,195	968	1,063	423	837	1,093	1,067	1,168	1,249
Beeswax and other animal wax.....do.	1,039	3,180	3,557	4,622	5,041	4,402	322	751	1,170	1,604	1,635	1,510
Bladders, intestines, etc.				521	390	49				668	180	41
Other inedible animal products.....do.							613	1,673	3,012	1,430	1,284	1,245
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total.....do.							355,308	738,241	823,578	841,383	819,428	815,498
A. Grains and preparations.												
Buckwheat.....1,000 lbs.		17,338	16,160	4,273	3,016	3,168	18,024	32,611	26,287	28,089	23,853	26,453
Corn.....1,000 bus. of 56 lbs.		1,135	1,086	1,055	5,458	565		2,326	306	75	52	57
Oats.....1,000 bus. of 32 lbs.	5,352	2,465	178	157	85	489	2,998	1,062	1,190	908	4,295	609
Rice—							1,934	1,147	70	56	32	321
Uncleaned.....1,000 lbs.		12,357	21,690	22,651	10,676	5,660		614	1,207	942	340	287
Cleaned (except patna).....do.	93,518	50,052	53,030	95,447	43,397	29,442	2,949	1,823	2,302	4,328	2,015	1,170
Patna rice for use in canned foods.....do.				2,196	1,627	2,170				167	107	134
Flour, meal, etc.....do.	133,789	1,586	2,047	7,746	2,386	1,715	2,314	79	105	246	66	63
Wheat.....1,000 bus. of 60 lbs.	1,230	18,973	13,901	14,143	11,754	18,848	1,032	23,204	19,343	19,691	15,344	22,040
Wheat flour.....1,000 lbs.	25,189	78,573	2,233	1,893	1,069	1,150	558	2,688	72	75	46	37
Biscuits, wafers, cakes, etc.....do.		1,135	1,252	1,544	2,298	2,393	12,415	284	379	515	662	726
Maccaroni, vermicelli, noodles, etc.....do.	113,882	3,785	6,409	5,225	3,513	3,434	5,028	280	454	396	332	371
Bread, yeast-leavened.....do.		2,138	2,228	2,295	2,281	2,755		271	297	279	297	378
All other.....do.							2,327	1,191	512	361	265	262
B. Fodders and feeds.												
Hay.....tons of 2,240 lbs.	291,940	133,801	191,848	354,235	115,025	62,384	2,721	7,990	11,851	12,588	11,239	15,707
Oil cake and oil-cake meal—							2,588	1,503	1,978	3,375	1,109	564
Bean (soya and other).....1,000 lbs.			27,802	42,869	53,951	96,810			536	885	1,014	1,020
Coconut or copra.....do.	11,456	112,848	30,371	38,375	38,506	28,433	133	1,877	404	445	471	448
All other.....do.			30,362	39,311	96,327	125,943			530	794	1,639	2,327
Brap, shorts, and other by-product feeds of wheat.....1,000 tons of 2,240 lbs.		1,204	252	185	188	273		14,689	6,109	4,429	5,104	8,019

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Of direct importation.....do				195	83	139			2,449	2,219	3,809
Withdrawn from bonded mills.....do				80	105	134			1,960	2,885	4,210
Beef pulp, dried.....tons of 2,240 lbs				41,552	22,167	15,714			1,806	688	458
Other fodders and feeds.....do								1,964	748	1,264	1,941
								1,218	1,437	1,354	
C. Vegetables and preparations.....							14,386	26,163	36,259	36,398	39,899
Beans, dried.....1,000 lbs	68,878	74,793	86,721	65,538	86,134	138,016	2,021	3,005	2,464	3,010	6,224
Peas, dried.....do	756,152	30,125	24,007	12,654	19,608	12,423	91,734	1,244	1,219	573	818
Peas, split.....do				1,472	644	1,243				64	28
Chick peas or garbanzos.....do		240,640	29,210	57,885	40,173	56,705		2,255	1,592	2,934	2,069
Mushrooms ¹².....do	7,633	5,491	5,536	6,495	7,101	7,831		1,059	1,745	1,837	2,035
Potatoes, white or Irish.....do	219,481	58,913	145,955	343,675	316,329	222,611		1,956	3,229	8,328	5,247
Garlic.....do		6,820	5,738	4,126	4,952	6,179			341	234	153
Turnips.....do		140,654	159,783	96,584	112,051	150,426			1,636	744	506
Tomatoes, natural state.....do		264,338	72,771	80,906	132,130	130,002		2,162	2,441	2,661	4,544
Onions.....do	67,026	104,149	138,323	103,130	120,388	125,978		895	2,179	1,937	2,662
Other vegetables, fresh, n. e. s.....do								1,835	2,810	3,310	3,361
Farinaceous substances—arrowroot, cassava, sago, and tapioca.....1,000 lbs		92,996	124,749	109,482	116,290	176,469		1,617	3,492	4,376	3,332
Vegetables canned—											
Peas.....do		1,689	1,863	1,993	1,067	1,159		1,188	201	217	135
Tomatoes.....do		56,926	87,999	82,293	96,242	92,732		2,817	4,173	4,082	5,306
Other.....do		6,721	12,006	11,582	8,487	8,562		1,635	1,107	1,145	826
Vegetables, prepared or preserved—											
Pickles.....do		11,078	1,946	1,597	1,207	865	1,056	1,329	155	142	180
Sauces.....do			11,083	11,283	12,571	12,383			814	830	954
Lentils.....do		8,064	7,908	9,560	7,783	7,043		2,499	483	438	361
Tomato paste.....do		15,154	20,604	18,078	14,354	9,817		2,882	1,845	1,634	1,489
Bean cake, miso, and similar products.....do		1,209	1,146	1,103	964	923		84	80	89	81
Other vegetables, prepared or preserved.....1,000 lbs			11,980	11,961	7,582	8,115		2,657	1,850	861	541
Other edible substances.....do								237	1,400	1,811	580
D. Fruits and nuts.....							42,239	75,499	68,664	87,580	84,721
Fruits.....											
Bananas.....1,000 bunches	43,633	47,057	55,483	56,251	61,009	64,308		28,608	54,031	54,463	54,055
Grapefruit.....1,000 lbs		14,810	13,604	17,830	873	7,615		14,254	22,007	29,693	34,269
Lemons.....do		100,041	116,328	73,924	62,862	69,749		3,955	2,066	2,679	1,632
Limes.....do		5,264	4,245	4,725	4,904	5,174			116	121	131
Oranges.....do		1,071	1,071	971	1,499	1,846		127	189	54	50
Olives.....1,000 gals	4,388	16,266	4,971	5,969	5,048	7,813		1,944	3,888	3,779	4,351
Pineapples, natural state.....do								1,203	2,487	2,100	2,156
Pineapples, prepared or preserved.....1,000 lbs		3,538	2,977	3,138	2,095	2,677			299	289	436
Apples.....1,000 bus. of 50 lbs		105	85	55	163	112			1,211	177	100
Berries.....1,000 lbs		4,944	5,932	5,794	4,888	6,748			1,430	612	455
Cherries, natural state, sulphured or in brine.....1,000 lbs		4,806	2,945	3,191	14,295	13,333			415	262	326
Cherries, prepared or preserved.....do		7,925	12,336	19,583	2,963	618			736	1,082	2,121
											1,722
											370

¹ Average for years 1923-1925.² Average for years 1924-25.³ Average for years 1913-14.⁷ Average for years 1912-1914.⁸ Average for years 1922-1925.¹² 1914 only.¹³ Mushrooms and truffles prior to 1924.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

538

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES—Continued												
D. Fruits and nuts—Continued.												
Fruits—Continued.												
Grapes.....1,000 cu. ft.	1,464	637	120	106	88	138	1,739	1,091	550	326	300	318
Currants.....1,000 lbs.	32,559	26,021	14,192	13,316	11,951	10,667	1,855	2,046	945	729	947	960
Dates.....do	29,157	57,237	78,706	49,280	38,409	58,841	603	2,712	3,573	2,635	1,740	2,869
Figs.....do	19,142	38,978	46,572	43,652	31,018	38,738	981	2,619	3,176	3,017	1,967	2,854
Raisins and other dried grapes.....do	3,532	11,867	7,938	5,115	2,537	2,390	276	1,270	733	495	330	312
Citron or citron peel.....do		² 3,476	3,071	4,584	3,886	4,447		² 720	741	793	495	472
Ginger root, prepared or preserved.....do		² 792	770	1,269	959	883		² 123	126	195	122	100
Jellies, jams, marmalades, and fruit butter.....1,000 lbs.		² 2,881	3,212	3,533	4,049	3,726		² 458	489	538	594	492
Other fruits, natural, prepared, or preserved.....1,000 lbs.			30,049	32,686	26,321	33,747	2,221	3,699	1,559	1,723	1,704	1,808
Nuts.												
Chestnuts, including marrons.....1,000 lbs.		24,435	25,710	25,898	11,781	20,283	13,681	29,468	34,355	33,098	30,837	31,215
Coconuts, in the shell.....thousands		69,091	60,916	56,337	61,315	63,360	1,773	1,034	1,076	1,265	644	1,055
Almonds—												
Shelled.....1,000 lbs.	17,204	21,770	16,144	20,099	17,676	16,352	3,466	6,167	6,342	7,709	6,470	5,869
Not shelled.....do		4,030	4,132	301	479	1,371			437	586	95	55	174
Brazil and cream.....do	20,022	38,751	21,864	46,459	24,438	24,704	979	2,208	2,323	3,036	2,625	3,259
Coconut meat, desiccated or prepared.....do		² 12,496	24,509	23,864	33,994	46,696		² 1,212	2,383	2,683	3,041	4,005
Product of the Philippine Islands.....do		7,411	22,599	21,095	26,271	13,766	7569	2,491	1,859	1,775	2,187	1,116
Other.....do												
Filberts—												
Shelled.....do	11,963	5,419	4,197	7,135	5,630	5,227	932	972	1,218	1,464	1,082	907
Not shelled.....do		12,916	10,378	10,376	9,605	13,268			1,186	1,589	1,490	1,184	1,373
Walnuts—												
Shelled.....do	33,667	18,148	23,756	22,576	19,574	15,590	3,984	5,410	6,636	5,688	6,454	4,210
Not shelled.....do		27,331	23,006	23,649	12,139	15,596			3,284	3,335	3,236	1,489	1,923
Peanuts—												
Shelled.....do	25,460	44,233	73,134	42,390	38,805	55,862	1,051	2,072	3,692	1,984	1,651	3,065
Not shelled.....do		5,397	10,457	3,990	4,490	13,739			245	506	190	179	591
Pecans.....do		² 1,838	1,002	1,046	256	549		² 172	106	116	43	56
Pignolia.....do		² 647	768	690	629	596		² 148	189	216	288	206
Pistache.....do		² 1,146	845	765	1,519	1,641		² 480	340	350	532	571
Other edible nuts, n. e. s.....do			2,481	2,016	4,647	5,320	1,155	869	495	437	1,041	1,267
E. Vegetable oils and fats, edible.												
Cocoa butter.....1,000 lbs.	40,608	73,528	90,491	78,592	75,212	82,965	7,376	13,297	15,674	13,925	17,685	14,958
.....do	4,033	2,585	64	86	187	21	1,034	603	18	23	58	

FOREIGN COMMERCE

Olive oil, edible.....do	36,575	70,941	90,427	78,506	75,025	82,944	6,342	12,684	15,657	13,901	17,577	14,951
In packages weighing less than 40 pounds 1,000 lbs.		\$ 48,887	51,509	50,686	43,099	48,598		\$ 8,122	8,721	8,884	10,150	8,845
Other.....do		\$ 34,420	38,918	27,820	31,926	34,846		\$ 5,998	6,936	5,017	7,418	6,106
F. Cocoa, coffee, and tea.												
Cocoa or cacao beans.....1,000 lbs.	141,800	364,845	382,019	426,287	424,987	379,227	134,955	263,109	357,101	398,322	350,758	386,082
Cocoa, prepared.....do	2,940	3,059	3,182	3,903	3,428	4,953	16,009	31,329	38,246	42,749	56,816	47,205
Chocolate, prepared.....do			1,907	2,926	2,634	4,454	690	690	497	585	539	625
Coffee.....do	\$99,339	1,340,272	1,283,695	1,493,316	1,433,340	1,456,517	101,455	205,792	286,235	322,746	264,275	1,386
Extracts of, and substitutes for coffee.....do	2,916	4 661					69	14 23				309,644
Tea.....do	95,126	94,491	100,362	95,980	89,169	89,824	16,732	25,284	31,454	31,349	28,192	27,722
G. Spices.....1,000 lbs.	58,330	95,795	103,332	85,239	111,202	98,399	7,258	13,851	19,811	18,358	20,088	20,588
Paprika.....do		10 4,143	4,143	4,217	5,568	4,940		10 671	671	704	1,249	916
Celery seed.....do		7 738	839	1,157	656	656		7 194	223	205	1,110	104
Cinnamon and chips of, unground.....do		2 1,485	1,197	1,021	1,227	894		2 349	389	413	563	468
Cumin seed.....do		2 1,560	1,476	708	1,083	1,036		2 221	170	45	95	99
Caraway seed.....do		2 5,090	4,829	4,473	4,107	4,639		2 482	328	300	327	359
Cardamom seed.....do		2 150	181	186	222	188		2 152	238	221	197	187
Capaicum or red or cayenne and chili pepper, unground.....1,000 lbs.		4,085	2,194	1,299	1,976	3,264		495	278	161	347	501
Cassia and cassia vera.....do	7 6,807	8,334	8,334	7,786	12,009	7,853	7 485	509	602	593	939	559
Cloves, unground.....do		5,994	6,995	6,524	5,673	5,162		1,221	1,486	1,282	924	903
Ginger root, unground, not prepared.....do	7 5,836	5,015	4,265	4,952	3,119	3,930	7 313	585	610	365	226	360
Mustard—												
Unground.....do		12,705	14,062	14,755	24,325	16,048		619	787	995	1,242	888
Ground or prepared.....do		1,612	1,742	1,742	1,583	1,979		838	900	994	850	1,117
Nutmegs, unground.....do		4,021	4,358	3,703	4,573	4,251		753	1,332	1,064	1,128	851
Mace, unground.....do		2 691	642	703	876	667		2 411	474	599	442	442
Pepper, unground—												
Black.....do		33,316	30,814	16,658	25,982	24,428	2,121	2,898	3,349	3,376	6,032	7,353
White.....do	23,018	7,214	2,703	5,137	4,186	4,186		1,421	748	2,000	1,887	1,887
Pimento (allspice), unground.....do		2 3,298	4,114	3,037	1,926	2,435		2 180	260	377	279	392
Pimentos, whole.....do		2 2,364	483	3,883	6,516	4,629		2 272	52	465	766	510
Vanilla beans.....do	945	993	946	1,152	993	1,449	2,020	3,331	5,807	2,828	1,935	2,290
Other spices.....do	26,782	12,861	4,630	4,545	3,630	6,225	2,638	1,552	434	800	289	462
H. Sugar and related products.												
Sugar cane, natural.....1,000 tons ¹⁵		831		120	132	229	106,414	303,517	266,407	244,532	270,875	220,312
Beet sugar.....1,000 lbs.	43,438				612			1,015	30			801
Cane sugar.....do	4,341,058	8,117,916	8,919,532	9,420,078	8,431,414	7,736,996		103,517	295,361	246,005	232,530	258,158
Product of Philippine Islands and Virgin Islands.....1,000 lbs.	232,340	614,419	1,006,641	773,162	1,072,715	1,172,056		5,827	30,077	43,012	30,201	48,223
Other.....do	4,108,717	7,503,497	7,912,891	8,646,916	7,358,699	6,564,940		97,689	265,284	202,996	202,329	209,935
Molasses.....1,000 galls.	33,839	159,362	256,929	269,725	244,904	265,802		1,352	7,138	18,984	10,472	10,613
Sugar candy and confectionery, n. e. s. 1,000 lbs.	1,319	1,500	2,316	2,638	3,034	3,757		235	462	689	766	887
Maple sugar and maple sirup.....do	4,506	3,247	4,804	4,598	6,705	7,320		466	466	635	718	1,173
Honey.....do	1,254	911	252	291	362	106		57	63	41	40	25

² Average for years 1924-25.⁷ Average for years 1912-1914.³ Average for years 1922-1925.¹⁰ 1925 only.¹⁴ Average for years 1921-1923.¹⁵ Ton of 2,000 pounds.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES—Continued												
I. Beverages							21,875	2,215	1,573	1,637	1,828	1,831
Lemon, lime, and sour orange juice, not more than 2 per cent alcohol.....1,000 gals.		1 445	511	560	421	278		1 419	492	507	432	269
Distilled liquors.....1,000 pf. gals.	3,966	142	58	72	70	79	6,833	591	282	327	311	345
Wine.....1,000 gals.	7,410	377	77	49	27	51	10,265	726	156	145	67	112
Ginger ale or beer, not alcoholic.....do.		2 69	54	70	76	255		2 03	69	83	87	243
Mineral water.....do.	2,891	674	794	747	1,002	823	1,002	278	360	321	503	412
Other beverages and fruit juices.....do.							3,773	331	213	254	430	450
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							210,698	442,019	722,901	802,748	636,922	519,049
A. Rubber and manufactures												
Rubber, crude, and milk of ¹⁶.....1,000 lbs.	105,736	681,100	888,478	925,878	954,750	978,107	97,749	197,785	437,197	615,957	348,987	253,021
Jelutong or pontianak.....do.	44,576	9,659	15,119	16,268	17,438	16,917	86,345	192,922	429,705	505,818	339,859	244,855
Balata.....do.	1,129	1,481	1,159	792	1,308	1,638	2,175	898	1,643	3,128	2,449	2,540
Gutta-percha.....do.	1,193	2,566	3,591	3,237	3,346	3,573	673	820	575	627	477	431
Guayule ¹⁶.....do.	11,421	3 879	8,469	9,643	11,241	8,573	255	417	629	661	728	777
Other crude, scrap, and reclaimed.....do.	31,990	12,745	23,459	31,929	21,497	20,400	11 5,465	3 739	1,803	2,562	2,675	1,756
Rubber belting for machinery.....do.		1 638	749	732	638	531		1 444	560	488	389	302
Rubber tires.....number.				17,504	5,450	4,469				161	76	70
Other manufactures of rubber.....do.							1,289	1,377	1,298	1,328	1,407	1,641
B. Gums, resins, and balsams, n. e. s.							11,925	30,942	30,751	34,048	32,536	32,163
Varnish gums and resins—												
Damar.....1,000 lbs.	27,752	20,864	12,697	15,156	15,492	15,851	2,557	2,846	1,569	2,280	2,128	2,019
Kauri.....do.			4,634	5,456	4,092	5,119			813	952	589	701
Shellac.....do.	20,455	27,183	19,913	31,296	25,102	24,056	2,843	14,958	10,104	10,515	10,395	10,210
All other.....do.		1 33,884	37,037	51,844	49,231	44,955		1 4,611	5,857	6,563	6,904	6,290
Tar, pitch, and turpentine							47	1 200	277	517	350	291
Camphor—												
Natural, crude.....1,000 lbs.	3,219	2,248	2,369	2,019	1,690	4,365	932	1,341	1,301	1,158	810	1,649
Natural, refined.....do.	451	2,691	1,584	1,170	1,481	1,176	156	1,758	953	763	823	533
Synthetic.....do.			1,835	2,944	2,034	2,265			921	1,558	1,263	809
Chicle.....do.	8,577	8,913	12,145	12,381	12,167	12,435	3,374	4,455	5,986	6,204	6,156	6,296
Balsam, crude.....do.		395	500	325	401	401		196	261	181	204	189
Arabic.....do.		8,034	7,256	10,268	8,056	9,537		842	783	1,002	691	770

Tragacanth.....do.....		1 1,000	966	1,415	1,434	1,708		1 423	428	740	756	882
Other gums and resins, n. e. s.....do.....		11,372	17,230	20,658	14,877	12,654	1,986	1,406	1,438	1,615	1,466	1,464
C. Drugs, herbs, leaves, roots, etc.							4,166	6,527	7,984	9,221	9,084	10,857
Cinchona bark or other from which quinine may be extracted.....1,000 lbs.	3,444	2,333	2,917	3,906	1,936	1,544	319	729	906	1,056	546	414
Pyrethrum or insecticide flowers.....do.....		1 4,451	6,435	9,553	8,993	13,689		1 1,413	1,237	1,219	1,220	3,692
Licorice root.....do.....	100,535	63,459	77,827	82,015	80,195	69,402	1,718	2,167	1,852	2,375	2,174	1,672
Licorice extract.....do.....		1 1,537	1,689	1,169	724	1,109		1 266	256	236	162	215
Opium, crude, 8.5 per cent or more morphia.....1,000 lbs.	459	105	97	144	145	103	2,129	502	717	952	1,044	648
Senna.....do.....		13,144	2,984	3,635	2,558	2,939		1 272	221	241	179	195
All other.....do.....		19,148	19,963	22,855	22,829	25,655		2 2,450	2,746	3,142	3,709	3,821
D. Oilseeds							15,128	51,204	64,725	70,595	64,562	60,749
Cottonseed.....1,000 lbs.		1 75,909	63,832	58,951	10,922	1,044		1 1,050	805	760	165	15
Castor beans.....do.....	43,473	79,797	107,232	100,908	123,957	140,499	997	2,998	4,841	3,855	4,309	4,878
Copra.....do.....	40,682	289,278	364,076	457,599	450,995	501,990	1,807	12,330	18,051	23,513	20,641	22,778
Flaxseed.....1,000 bus. of 56 lbs.	7,258	16,934	16,510	22,550	21,821	17,579	12,324	34,045	39,683	41,833	38,059	31,245
Poppy seed.....1,000 lbs.		1 5,183	3,535	5,161	5,950	6,240		1 459	351	635	571	477
Perilla and sesame seed.....do.....				2,883	2,949	9,996				156	157	471
Other oil seeds.....do.....		26,805	20,016	17,980	17,119	23,581		908	965	772	660	884
E. Vegetable oils							22,498	51,643	65,656	71,708	67,473	69,660
Expressed oils and fats							19,143	46,388	53,311	65,185	61,024	62,960
Chinese wood oil or nut oil.....1,000 lbs.	17 47,890	75,354	101,554	83,004	89,650	109,222	1 2,952	9,247	11,386	9,148	11,810	13,419
Coconut oil—												
Product of Philippine Islands.....do.....	5 10,221	205,191	232,499	245,129	293,370	290,637	5 929	15,850	19,650	22,088	22,900	23,061
All other.....do.....		50,057	6,181	676			4,073	516	76			
Olive oil, inedible—												
Sulphured or foots.....do.....	13,223	34,009	40,823	40,300	42,307	39,547	829	2,857	3,233	3,307	3,694	2,896
Other.....do.....	5,161		10,884	9,925	6,819	8,724	426		1,234		1,302		1,115
Palm oil.....do.....	61,060	90,025	139,179	130,747	159,911	169,228	3,999	6,515	11,040	10,112	11,040	11,067
Palm-kernel oil.....do.....	7 27,943	19,918	52,624	74,980	43,115	53,812	7 2,343	3 1,776	4,699	7,087	3,547	4,369
Sesame oil.....do.....				8,862	1,704	6,239				1,046	203	655
Vegetable tallow.....do.....		1 6,726	6,424	3,779	5,688	5,341		1 487	505	312	390	358
Vegetable wax.....do.....	4,819	7,704	6,507	8,234	10,150	4,012	987	1,626	1,310	2,250	2,627	720
Peanut oil.....do.....	(17)	6,384	3,027	8,281	2,847	4,749	(17)	614	387	866	340	520
Rape (colza) oil.....1,000 gals.	1,329	1,708	1,698	2,768	2,547	2,250	627	1,242	1,459	2,031	1,570	1,504
Linseed oil.....1,000 lbs.	7 2,768	54,836	13,607	15,041	946	173	7 230	4,326	1,407	1,033	77	14
Soy-bean oil.....do.....	7 18,907	20,975	19,493	30,712	14,915	13,116	7 1,015	1,305	1,507	2,151	988	824
Carnuba wax.....do.....					5,471							1,516
Perilla oil.....do.....					2,011							214
Other expressed oils.....do.....		1 16,197	11,182	21,369	7,678	7,849	2,725	1,267	1,417	2,404	823	637

1 Average for years 1923-1925.

2 Average for years 1924-25.

3 Average for years 1921 and 1924-25.

4 Average for years 1913-14.

5 Average for years 1912-1914.

6 Average for years 1922-1925.

11 Average for years 1911-1914.

12 "Guayule" is included with "crude rubber" in 1910.

17 "Peanut oil" is included with "Chinese wood oil or nut oil."

Garden and flower seeds—												
Cabbage.....do.....		1 416	818	311	282	243	-----	1 114	150	169	150	123
Canary.....do.....		1 11,749	11,903	14,595	14,847	16,763	-----	1 551	691	527	407	501
Turnip.....do.....		1 1,442	1,737	2,287	1,829	1,766	-----	1 176	204	256	146	185
All other.....do.....		1 5,263	6,129	6,343	4,944	7,026	1,006	1,529	1,376	1,651	1,497	1,761
H. Nursery and greenhouse stock												
Bulbs, roots, and corms—							2,987	7,233	9,763	7,498	7,401	7,755
Hyacinth.....thousands.....			25,820	24,186	22,243	23,087			1,649	1,663	1,673	1,668
Lily, tulip, and narcissus.....do.....	261,063		290,666	210,139	216,609	241,798	1,705	6,739	7,236	5,107	4,970	5,328
Crocus and other.....do.....			24,253	20,582	21,970	26,561			391	262	257	289
Trees, plants, cuttings, and seedlings—												
Fruit stock.....do.....			17,554	13,236	12,255	12,656			137	9	92	86
Rose stocks and plants.....do.....			13,579	13,133	13,027	10,789	1,282	494	132	193	195	157
All other.....do.....					1,229	562			169	178	215	227
I. Tobacco and manufactures												
Unmanufactured.....1,000 lbs.....	55,790	68,942	77,691	67,908	102,754	74,797	31,704	64,831	81,948	69,489	82,987	63,055
Product of Philippine Islands.....do.....	27	1,189	1,166	908	1,611	3,727	4	177	187	197	253	521
Leaf, for cigar wrappers.....do.....	6,312	6,342	6,435	6,551	5,784	6,631	7,407	14,385	15,077	14,747	12,438	13,630
Cigar leaf (filler)—												
Unstemmed.....do.....			8,571	8,012	8,148	7,235			8,067	7,266	6,460	5,765
Stemmed.....do.....	48,355	53,078	12,725	14,659	15,395	14,647	24,288	49,794	14,244	15,350	13,719	13,996
Cigarette leaf.....do.....			47,025	36,159	69,820	40,335			33,281	22,519	41,207	20,614
Scrap.....do.....	11,369	1,334	1,769	1,616	1,997	2,222	116	475	608	491	540	634
Manufactures of tobacco—												
Cigars and cheroots—												
Product of Philippine Islands.....do.....	1 ¹⁰ 1,044	2,924	3,226	3,021	2,645	2,574	1 ¹⁰ 1,528	4,473	5,133	5,047	4,142	4,190
Other cigars and cheroots.....do.....	1 ¹⁰ 707	435	517	424	413	390	1 ¹⁰ 4,011	3,542	4,331	3,309	3,742	3,350
Cigarettes, product of Philippine Islands												
.....1,000 lbs.....	(¹⁰)	3	2	38	37	25	(¹⁰)	6	4	43	52	39
All other manufactures.....do.....		297	255	375	403	274		378	416	520	435	316
J. Miscellaneous vegetable products												
Agar-agar.....1,000 lbs.....				451	366	374		4,452	3,785	5,465	4,787	4,336
Hops.....do.....	5,725	969	592	568	554	581			357	297	230	274
Starch.....do.....	13,374	10,664	12,778	23,181	30,280	20,284	2,416	373	336	378	315	189
Vegetable ivory (tagua nuts).....do.....	25,467	31,976	38,069	25,862	28,654	23,325	905	1,200	2,176	1,277	794	663
Moss, seaweed, etc., crude.....do.....		9,693	9,914	10,074	8,681	12,548		223	500	364	441	325
Broomcorn.....tons of 2,240 lbs.....	2,217	²⁰ 100	147	610	17	155		261	²⁰ 12	21	85	2
All other.....do.....							274	1,317	1,832	1,503	1,494	1,070
GROUP 3.—TEXTILES												
Total.....							387,840	893,632	1,049,635	999,728	954,453	920,071
A. Cotton, unmanufactured.....1,000 lbs.....												
Long staple.....do.....	110,957	165,959	156,890	181,393	205,809	172,037	20,651	46,280	52,775	46,240	45,869	42,798
Short staple.....do.....		⁸ 56,394	50,289	53,733	69,580	42,655		⁸ 19,187	20,500	18,582	19,624	14,178
		⁹ 116,393	106,391	127,661	136,029	129,382		⁹ 30,437	32,275	27,657	26,044	28,620

¹ Average for years 1923-1925.

⁴ Average for years 1924-25.

⁷ Average for years 1912-1914.

⁸ Average for years 1922-1925.

¹¹ Average for years 1911-1914.

¹² Average for years 1910 and 1912-1914.

¹³ Figures for "cigars and cheroots" include "cigarettes."

²⁰ Average for years 1921 and 1925.

No. 505.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 3.—TEXTILES—Continued												
B. Cotton, semimanufactures							6,096	8,389	9,048	6,462	5,397	6,823
Cotton waste.....1,000 lbs.	39,598	36,068	36,393	29,736	24,730	48,108	1,918	3,337	3,727	2,147	1,623	3,012
Yarns and warps—												
Not bleached, dyed, colored, etc. do.	7,395	4,238	29	93	34	20	4,178	5,052	34	83	22	21
Bleached, dyed, colored, combed, or plied 1,000 lbs.			3,590	3,568	3,271	2,577			5,282	4,232	3,753	3,290
C. Cotton manufactures							61,317	79,178	70,228	60,697	60,800	62,974
Sewing thread, crochet, darning, and knitting cotton.....million yds.		4,140	2,990	2,189	2,138	1,777		2,890	3,469	2,388	1,962	1,482
Cotton cloth.....1,000 sq. yds.	53,893	150,874	109,249	60,680	63,002	61,295	9,041	35,963	26,424	16,258	15,596	15,842
Not bleached do.	4,235	67,337	75,397	33,115	27,451	23,515	493	13,290	15,423	6,839	5,156	4,753
Bleached do.	49,658	14,001	4,832	5,236	10,146	11,301	8,548	3,747	1,584	1,533	2,154	2,408
Colored, dyed, printed, etc., and woven figured.....1,000 sq. yds.		69,486	29,020	22,329	25,405	26,479		18,926	9,417	7,886	8,286	8,681
Cotton fabrics, n. e. s.							1,935	2,988	5,233	7,751	9,139	9,119
Damask and manufactures of								1,405	399	314	302	276
Pile fabrics and manufactures							1,935	703	1,178	2,386	2,796	3,177
Velvets and velveteens.....1,000 sq. yds.						3,550						2,750
Other												427
Tapestries and other Jacquard woven up- holstery cloths.....								1,867	3,265	4,345	5,468	5,068
Blankets.....thousands				650	699	497				332	300	278
Table covers, napkins, doilies, etc.								1,400	392	374	269	320
Wearing apparel							8,267	12,815	13,468	15,294	13,901	16,985
Product of Philippine Islands							5	3,113	3,959	5,422	3,521	3,639
Knit goods—												
Gloves.....1,000 doz. prs.		1,414	1,659	2,111	2,190	2,494		4,480	5,488	6,514	6,544	8,220
Hosiery.....do.		764	563	497	523	797	3,613	1,635	1,942	1,612	1,793	2,593
Underwear and other knit goods.....dozens		69,042	85,998	83,698	163,263	83,545	917	244	294	291	431	375
Wearing apparel wholly or partly of lace, or embroidered, beaded, etc.												750
All other							3,732	1,765	745	832	895	1,398
Other cotton manufactures							42,074	23,523	21,635	19,007	20,206	19,546
Handkerchiefs and mufflers—												
Not of lace or embroidered, etc. 1,000 lbs.	1,606	397	278	223	199	406	7,420	2,145	1,236	878	681	626
Lace trimmed, or embroidered, etc. do.			319	257	347				1,346	1,278	1,302	1,194

Laces, embroideries, etc.							35,911	3,576	14,608	12,088	12,478	11,258
Product of Philippine Islands							13	296	378	369	361	467
Handmade laces							7,670	1,770	1,886	983	1,266	730
Machine-made laces							7,16,472	8,697	7,613	5,075	4,925	4,432
Articles in part of lace								¹ 1,804	1,256	1,287	1,379	1,474
Nets, netting veils, and veiling							⁷ 1,233	1,309	1,109	1,047	1,403	1,722
Lace window curtains	1,461	1,290	1,464	2,338	1,358		⁷ 770	610	473	500	668	515
Lace window curtains	1,000 sq. yds.						⁷ 12,712	833	408	673	637	647
Embroideries							16,783	2,273	1,686	2,203	1,837	1,276
All other laces, embroideries, etc.												
Other cotton manufactures, n. e. s.							5,911	4,802	4,449	4,764	5,747	6,473
D. Jute and manufactures							40,632	76,556	108,491	113,389	90,087	101,276
Jute, unmanufactured	tons of 2,240 lbs.	93,163	71,358	62,470	62,390	80,836	59,506		11,897	13,968	11,319	8,778
Jute butts, unmanufactured	do.			2,081	6,373	11,579	30,543		312	820	835	2,884
Waste bagging and waste sackcloth	1,000 lbs.	¹ 11,630	16,130	62,555	37,262	22,024			1,265	521	2,905	950
Burlaps	do.	421,383	559,263	625,816	598,977	569,649	619,987	29,421	60,406	85,028	67,249	80,087
Bagging for cotton								648	1,822	3,474	6,158	4,230
Woven fabrics, n. e. s.	1,000 lbs.	¹ 2,151	2,012	1,968	2,567	2,076		1,705	740	684	769	615
Jute bags or sacks	do.	47,803	48,070	47,395	38,793	42,189	3,346	4,175	5,946	5,972	3,963	4,565
Yarns, single	do.	¹ 4,061	777	1,463	2,514	76		¹ 453	113	173	286	10
Other jute manufactures								⁸ 372	360	420	486	801
E. Flax, hemp, and ramie, and manufactures							38,410	48,940	52,620	52,711	55,286	50,906
Flax, unmanufactured	tons of 2,240 lbs.	10,752	5,254	5,254	6,822	4,496	5,539	3,361	2,984	3,575	3,261	2,154
Hacked	do.		1,522	1,374	1,856	1,683	2,140		1,720	1,979	1,516	1,140
All other	do.		3,732	3,880	4,966	2,813	3,399		1,264	1,596	1,745	1,014
Hemp, unmanufactured	do.	6,639	3,921	3,197	2,300	1,697	1,684	1,225	1,162	1,467	860	525
Manufactures of flax, hemp, and ramie							31,824	44,794	47,577	48,590	52,608	46,462
Single yarns	1,000 lbs.	4,532	4,764	2,648	2,727	2,768	2,293	728	1,484	1,394	1,330	1,325
Threads and twine	do.		1,640	779	699	564	417		1,721	845	602	470
Product of Philippine Islands	1,000 lbs.	¹ 5,056	6,953	6,571	5,693	5,903			¹ 632	979	893	781
Other	do.	¹ 3,200	2,878	4,288	6,009	6,462			¹ 496	479	662	863
Fabrics							19,166	25,011	26,216	25,356	26,758	23,842
Plain woven fabrics, weighing less than 4½ oz. per sq. yd.	1,000 lbs.	¹ 5,337	4,871	2,869	3,861	3,839		¹ 7,577	6,618	3,925	4,942	4,842
Woven fabrics of flax 30 to 100 threads to the sq. inch, 4½ to 12 oz. to the sq. yd., 12 to 24 inches in width	1,000 lbs.	¹ 4,049	3,592	3,578	2,642	2,039		¹ 3,060	2,797	2,502	1,779	1,346
Damask and manufactures								¹ 5,781	5,479	6,732	6,977	6,178
Other woven fabrics, flax, chief value												
Other fabrics of hemp or ramie	1,000 lbs.	¹ 11,500	11,055	11,890	11,103	8,998		¹ 12,370	11,578	9,764	9,411	7,523
Other fabrics of hemp or ramie	do.			3,689	4,215	3,675		¹ 1,577	1,745	2,433	3,649	3,953
Wearing apparel								429	371	264	327	491
Towels or napkins of flax, hemp, or ramie	thousands	¹ 14,296	14,178	26,033	30,298	19,412		¹ 3,144	3,012	4,248	4,256	3,179

¹ Average for years 1923-1925.

² Average for years 1924-25.

⁷ Average for years 1912-1914.

⁸ Average for years 1922-1925.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 3.—TEXTILES—Continued												
E. Flax, hemp, and ramie, and manufactures—Con.												
Handkerchiefs—												
Not embroidered or of lace.....1,000 doz.		2,301	1,691	2,777	3,716	3,772	2,351	3,663	2,465	3,297	4,006	3,825
Made of lace or embroidered.....do.			1,033	1,033	1,306	1,413			1,646	1,651	1,964	1,975
Laces, embroideries, etc.—												
Product of Philippine Islands.....do.							7	21 65		54	188	40
Embroideries and embroidered articles.....do.							3,850	5,175	4,599	5,257	6,381	5,617
Laces, drawn work, etc.....do.									1,452	1,155	1,155	1,109
Woven articles and mfrs. of flax, n. e. s.....do.							5,722	2,081	4,604	2,967	3,261	2,489
Mfrs. of flax, hemp, ramie, etc., n. e. s.....do.									440	701	691	565
F. Other vegetable fibers and manufactures.												
Unmanufactured.....tons of 2,240 lbs.	239,880	218,452	238,057	222,366	206,009	215,743	28,472	33,368	50,494	49,013	39,286	35,570
Istle or tampoico.....do.	9,243	12,248	16,659	13,439	13,391	13,805	770	1,212	1,940	1,927	1,886	1,687
Manila or abaca.....do.	71,922	71,452	62,633	69,270	51,421	47,015	9,910	12,318	13,195	18,232	13,138	9,532
New Zealand fiber.....do.	5,079	21 917		5,549	4,568	2,861		21 151		950	717	462
Sisal and henequen.....do.	140,815	109,124	136,591	119,009	118,829	134,616	15,813	14,473	23,329	21,762	18,219	19,533
Kapok.....do.	11 2,210	8,324	9,620	7,945	9,221	7,440	11 571	3,647	4,903	4,863	4,496	3,210
All other, n. e. s.....do.	11,354	12,121	12,554	7,654	8,579	10,006	967	1,682	2,127	1,199	830	1,206
Manufactures of—												
Binding twine.....1,000 lbs.	9,499	9,791	11,024	7,451	15,805	13,433	729	1,134	1,309	933	1,837	1,311
Coir yarn.....do.	7,747	2,826	4,445	1,670	1,973	1,381	326	173	299	106	124	76
G. Hats of straw or fiber and materials.												
Materials—Hat braids, etc. of straw, etc.....1,000 yds.		1,226,751	996,802	1,417,171	1,256,067	638,349	5,507	5,329	3,788	4,885	5,234	3,060
Hats of straw, grass, etc.....thousands.			24,354	29,571	32,498	22,234	4,181	4,584	7,904	10,271	9,054	7,763
Product of Philippine Islands.....do.		344	644	743	555	673	225	521	1,465	1,433	832	1,555
Not blocked or trimmed.....do.		11,573	5,987	7,289	5,966	4,286		2,605	3,465	4,692	4,005	3,464
Blocked or trimmed.....do.		3,515	1,609	3,960	3,595	1,043	3,956	935	774	1,914	2,017	731
Sewed.....do.		2,257	2,555	2,144	2,268	2,539		1,253	1,352	1,105	1,117	1,117	1,060
Harvest hats less than \$3 per dozen.....do.		2 14,234	13,529	15,425	20,304	13,393		2 802	845	1,073	1,063	603
H. Miscellaneous fiber manufactures.												
Artificial horsehair and manufactures.....do.							2,925	3,337	3,480	4,532	4,910	4,874
Floor coverings—							143	424	483	767	177	273
Mats of coco fiber or rattan.....1,000 sq. ft.				4,166	3,690	4,624				442	363	468
Matting and mats of China, Japan, and India straw.....1,000 sq. yds.	26,521	7,034	3,040	8,335	2,886	1,507	1,983	1,297	399	452	351	176

Other floor coverings.....do.....				4,803	5,035	3,675				1,042	1,027	851
Other manufactures of fibers, textile grasses, straw, etc., n. e. s.....							794	1,616	2,599	1,827	2,993	3,106
I. Wool, including mohair, etc., unmanufactured 1,000 lbs.....	207,584	339,811	339,253	310,266	267,287	244,553	39,259	102,369	141,957	106,721	82,933	79,861
Carpet wool (actual weight).....do.....	105,124	133,453	157,970	115,521	144,256	149,326	14,810	29,695	47,232	30,102	37,470	37,947
On the skin or in the grease.....do.....	² 115,270	² 118,908	² 77,001	² 99,942	² 107,876	² 107,876		² 30,534	² 34,483	² 19,519	² 24,620	² 25,904
Washed or scoured.....do.....	² 34,194	² 38,520	² 44,314	² 41,550	² 41,550	² 41,550		² 10,169	² 12,749	² 10,583	² 12,850	² 12,043
Clothing wool (actual weight).....do.....	83,046	63,677	23,479	15,223	17,461	18,408	19,497	17,137	10,908	5,371	6,020	8,051
In the grease (actual weight).....do.....	² 16,192	² 19,589	² 14,876	² 16,772	² 17,530	² 17,530		² 6,740	² 8,376	² 5,163	² 5,657	² 7,450
and washed (clean content).....do.....	² 9,392	² 10,967	² 8,255	² 9,226	² 9,843	² 9,843		² 2,778	² 2,532	² 208	² 363	² 601
Scoured.....do.....	² 4,440	² 3,890	² 347	² 659	² 659	² 659						
Combing wool (actual weight).....do.....	19,414	132,023	155,196	168,708	102,791	72,627	4,952	53,335	82,543	65,915	38,265	31,729
In the grease (actual weight).....do.....	² 124,432	² 150,661	² 166,969	² 101,363	² 71,122	² 42,995		² 62,016	² 79,132	² 64,798	² 37,451	² 30,514
and washed (clean content).....do.....	² 72,576	² 88,070	² 96,913	² 60,925	² 42,995	² 42,995		² 3,452	² 3,411	² 1,118	² 814	² 915
Scoured.....do.....	² 5,120	² 4,535	² 1,739	² 1,428	² 1,505	² 1,505						
Hair of the Angora goat, Cashmere goat, al- paca, etc. (actual weight).....1,000 lbs.....	(²³)	5,653	2,606	10,814	2,779	4,192	(²³)	2,201	1,274	5,332	1,179	2,134
Hair of the Angora (actual weight).....do.....	¹ 3,454	¹ 1,768	¹ 10,666	¹ 2,499	¹ 3,263	¹ 2,499		¹ 1,665	¹ 876	¹ 5,249	¹ 1,028	¹ 1,633
goat (mohair).....(clean content).....do.....				1,799	2,407	2,407		¹ 518	¹ 398	¹ 83	¹ 151	¹ 501
Hair of the Cashmere (actual weight).....do.....	¹ 1,236	¹ 838	¹ 148	¹ 281	¹ 929	¹ 929						
goat, alpaca, etc.....(clean content).....do.....				182	636	636						
Wool, semimanufactured								20,544	18,418	11,473	14,579	18,131
Noils.....1,000 lbs.....			7,469	4,733	9,137	8,499			6,356	2,568	5,684	6,330
Wool rags, flocks, and mungo.....do.....		33,041	23,382	20,320	19,409	23,003		12,161	6,923	5,725	5,780	6,559
Wastes.....do.....			4,763	3,993	4,451	4,678			3,197	2,215	2,219	2,695
Tops of wool, mohair, and other hair.....do.....			316	98	235	64		3,288	280	57	417	62
Other wool advanced.....do.....	4,902	10	1	1	(²³)	1			9	2	(²³)	1
Yarns.....do.....	3,967	1,133	664	289	204			5,094	1,672	906	479	386
Mohair.....do.....	² 774	² 416	² 327	² 115	² 60	² 958		² 958	² 516	² 372	² 130	² 75
Wool or other hair.....do.....	² 1,250	² 717	² 357	² 174	² 144	² 144		² 1,958	² 1,156	² 534	² 349	² 311
K. Wool manufactures							21,525	44,048	55,494	59,194	64,196	62,280
Woven fabrics of mohair and wool.....1,000 sq. yds.....	² 22,032	² 21,438	² 19,498	² 22,421	² 13,642	² 12,578		18,774	21,984	20,949	22,285	19,285
.....1,000 lbs.....	9,936	10,587	10,312	11,210	9,919							
Mohair fabrics.....1,000 sq. yds.....	² 396	² 465	² 148	² 572	² 416			¹ 214	¹ 247	¹ 79	¹ 226	¹ 170
.....1,000 lbs.....	¹ 102	¹ 109	¹ 40	¹ 119	¹ 91							
Worsted— Weighing not over 4 oz. per sq. yd.....1,000 sq. yds.....	² 212	² 157	² 107	² 101	² 306			² 104	² 81	² 56	² 44	² 135
.....1,000 lbs.....	² 48	² 36	² 25	² 21	² 58							
Weighing over 4 oz. per sq. yd.....1,000 sq. yds.....	² 1,580	² 1,655	² 1,389	² 1,586	² 2,096			² 1,924	² 2,211	² 2,211	² 2,413	² 3,123
.....1,000 lbs.....	² 806	² 829	² 771	² 855	² 1,133							

¹ Average for years 1923 to 1925.

² Average for years 1924-25.

¹¹ Average for years 1911-1914.

²¹ 1921 only.

²² Included with wool.

²³ Less than 500.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 3. TEXTILES—Continued												
K. Wool manufactures—Continued.												
Woven fabrics, etc.—Continued.												
Woolens—												
Weighing not over 4 oz. per sq. yd. { 1,000 sq. yds.-----		² 4,230	4,348	4,150	6,263	4,055		² 1,918	2,092	1,836	2,609	1,688
per sq. yd. { 1,000 lbs.-----		² 885	890	830	1,299	838						
Weighing over 4 oz. per sq. yd. { 1,000 sq. yds.-----		² 15,866	14,812	13,704	13,901	11,769		² 17,246	17,853	16,767	16,992	14,169
yd. { 1,000 lbs.-----		² 9,422	8,723	8,647	8,916	7,799		¹ 72	18	50	206	120
Other fabrics of wool.-----		² 34	7	18	42	24						
Carpets and rugs.-----	1,042	2,365	2,989	3,292	3,282	3,185	4,320	13,149	18,333	21,099	21,503	21,454
Oriental, Axminster, Savonnerie, Aubusson, oriental weave, and Chenille Axminster.-----		¹ 2,187	2,182	2,589	2,381	2,229		¹ 14,423	16,764	19,328	18,908	18,413
All other.-----		¹ 610	757	703	900	956		¹ 1,389	1,569	1,771	2,595	3,041
Wearing apparel.-----							2,137	9,610	13,081	14,644	16,863	18,416
Knit goods—												
Hosiery.-----	1,000 doz. prs.-----	1,506	529	372	384	399		¹ 3,188	3,695	2,674	2,539	2,531
Gloves and mittens.-----	do.-----	1,183	184	132	162	140		¹ 471	413	340	343	282
Knit outer and underwear.-----	1,000 lbs.-----	1,310	259	286	455	505		¹ 1,193	1,196	1,213	2,017	2,360
Hats and hat bodies of wool-felt.-----	do.-----				1,758	5,350					3,122	8,229
Hat bodies of wool-felt.-----	1,000 doz.-----					2,606						7,420
Hats of wool-felt.-----	1,000 lbs.-----	1,175	2,778	4,375		4,898		¹ 5,738	7,777	10,416		809
Hats of wool-felt.-----	1,000 doz.-----					244						
All other wearing apparel.-----	do.-----				3,462	1,441					8,848	5,014
Wool laces, embroideries, etc.-----								² 730	310	215	297	421
Other manufactures of wool.-----							2,490	2,173	1,758	2,238	3,086	2,565
L. Hair and manufactures, n. e. s.												
Human hair—												
Raw, uncleaned.-----	1,000 lbs.-----	1,581	2,457	3,128	2,786	2,292	1,962	800	1,046	1,261	1,223	858
Cleaned and drawn, not manufactured.-----	1,000 lbs.-----		31	3	5	3						
Nets and netting of human hair.-----	1,000 gross.-----			806	533	484	²⁴ 415	²⁴ 4,585	76	12	8	8
Other manufactures of human hair.-----									1,059	933	570	482
Horse hair, tails, or manes.-----	1,000 lbs.-----	4,844	4,899	4,703	4,670	4,757	1,997	2,336	2,646	2,618	2,558	2,112
Cattle body hair.-----	do.-----					4,409			250	227	188	136
Other animal hair, n. e. s.-----	do.-----	11,799	9,275	17,005	17,719	8,127	1,040	1,152	2,646	2,030	1,411	432
Manufactures of horse and cattle hair.-----	do.-----		² 665	730	758	263		² 120	178	220	106	60

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M. Silk, unmanufactured.....	1,000 lbs.	28, 670	62, 080	76, 795	77, 666	86, 345	88, 269	79, 508	356, 287	408, 386	402, 676	399, 088	373, 331
Cocoons.....	do.	91	176	95	111	59	55	39	163	93	108	72	37
Raw silk.....	do.	23, 799	52, 119	63, 764	66, 422	74, 005	75, 489	77, 058	348, 123	296, 286	392, 769	390, 365	367, 997
Waste.....	do.	4, 781	9, 735	12, 936	11, 133	12, 281	12, 725	2, 406	8, 000	12, 006	9, 808	8, 650	5, 297
N. Silk manufactures.....								29, 870	40, 941	36, 719	40, 570	42, 284	41, 888
Spun silk or schappe silk yarn.....	1,000 lbs.	3, 280	1, 383	1, 883	582	873	623	5, 715	4, 385	5, 130	1, 824	2, 103	1, 754
Singles.....	do.		1 243	77	92	81	49		1 642	213	264	157	141
Advanced.....	do.		1 1, 109	1, 306	490	792	574		1 3, 927	4, 917	1, 560	1, 945	1, 613
Boiling cloths.....	do.		1 21	23	25	34	30	251		488	523	617	741
Fabrics, broad, except pile fabrics.....	do.		2, 959	2, 746	3, 739	3, 526	3, 448	9, 068	17, 580	14, 255	18, 627	17, 862	16, 426
All silk—													
In the gray.....	do.		1 1, 575	1, 341	2, 278	2, 123	2, 072		1 8, 950	6, 545	9, 981	8, 059	6, 811
Dyed, colored, advanced.....	do.		1 782	1, 091	970	989	1, 129		1 5, 435	6, 887	7, 044	8, 368	8, 680
Mixed, chief value silk.....	do.		1 272	314	491	414	256		1 831	823	1, 651	1, 431	935
Plushes, velvets, and chenilles.....	do.			436	428	708	1, 048			2, 560	2, 839	4, 596	7, 579
Velvet or plush ribbon.....	do.	682	660	129	131	110	72	2, 664	4, 029	592	640	639	426
Silk ribbons not over 12 inches wide.....	do.		59	72	63	54	29	1, 191	484	377	293	304	172
Banding, belting, and other narrow fabrics.....	do.							567	186	117	111	146	103
Silk wearing apparel.....								4, 620	6, 310	5, 989	5, 334	5, 556	7, 743
Product of Philippine Islands.....								1	16	8		76	90
Shirts, collars, and clothing, not knit.....										2, 866	3, 897	3, 790	3, 870
Embroidered, etc., or of lace.....								4, 619	5, 404	3, 847	4, 192	4, 314	2, 514
Knit or crocheted.....										268	245	375	269
Silk handkerchiefs and mufflers—													
Hemmed or not hemmed.....	1,000 doz.		483	534	522	631	477		923	1, 060	1, 160	1, 331	949
Embroidered or of lace.....	do.			117	147	195	296			202	230	239	236
Silk laces, embroideries, etc.....							4, 093		4, 722	3, 532	4, 259	4, 315	4, 061
Laces and lace articles.....									1 1, 381	1, 198	1, 080	1, 132	1, 198
Veils and veillings.....									1 350	64	59	66	118
Nets and nettings.....									1 533	415	500	492	830
Embroideries.....									1 1, 281	1, 341	1, 910	2, 072	1, 612
All other.....									1 775	514	710	553	323
All other manufactures of silk.....								1, 706	1, 834	1, 352	1, 634	1, 538	1, 178
O. Artificial silk (rayon) manufactures.....								2, 657	8, 792	13, 118	13, 899	18, 728	15, 496
Waste and yarns made from waste.....	1,000 lbs.		1 4, 639	5, 529	4, 528	2, 299	2, 748		1 1, 625	1, 828	1, 413	639	405
Yarns, threads, and filaments.....	do.	2, 053	3, 675	7, 001	10, 063	16, 236	12, 734	7 2, 535	5, 440	8, 171	9, 051	13, 664	10, 902
Braids.....	do.		1 254	455	339	228	219		1 631	1, 063	774	531	519
All other manufactures.....								11 1, 421	2, 059	2, 037	2, 661	3, 894	3, 670
P. Miscellaneous textile products.....								2, 366	5, 141	7, 802	8, 704	8, 945	9, 848
Linoleum, inlaid.....	1,000 sq. yds.			826	755	622	502			1, 032	931	690	551
Other linoleum and floor oil cloth.....	do.	4, 578	1, 213	799	746	470	227	1, 905	1, 271	787	792	476	214

¹ Average for years 1923-1925.

² Average for years 1924-25.

³ Average for years 1921 and 1924-25.

⁷ Average for years 1912-1914.

¹¹ Average for years 1911-1914.

²⁴ Data prior to Sept. 22, 1922, are "manufactures of hair."

No. 505.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

570

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 3. TEXTILES—Continued												
P. Miscellaneous textile products—Continued.												
Tracing cloths.....1,000 sq. yds.		1 3,140	2,060	2,755	2,047	2,198		1 1,454	1,094	1,390	1,104	1,165
Other coated, filled, or waterproof fabric.....Go			978	1,215	1,610	2,505		341	383	426	661	
Fur-felt hats.....1,000 hats	7 544	287	539	893	1,188	1,529	7 769	712	1,406	2,332	2,451	3,356
Artificial flowers, etc., and manufactures								1 3,255	3,142	2,975	3,798	3,901
GROUP 4.—WOOD AND PAPER												
Total -----												
							79,851	296,590	349,006	372,753	365,572	358,779
A. Wood, unmanufactured -----												
Cedar.....1,000 ft. b. m.		1 125,990	92,914	69,832	23,941	25,958	9,588	14,979	17,853	16,982	18,046	14,619
Logs of fir, spruce, or western hemlock.....do					121,540	50,644		1 2,213	1,675	1,113	405	410
Logs and timber (except cabinet woods).....do	159,242	1 91,916	119,322	107,253	108,780	80,580	1,664	2,125	2,180	2,145	1,614	1,522
Cabinet woods in the log—												
Product of Philippine Islands.....do		8 928	1,247	2,043	7,418	5,116		8 54	58	108	345	207
Mahogany.....do	53,684	54,074	73,224	68,431	72,828	48,041	3,840	4,623	5,767	5,309	5,897	3,568
Cedar, Spanish 25.....do	17,776	9,277	9,965	5,577	4,231	4,779	982	583	625	343	272	331
All other.....do		8 7,143	7,517	8,498	7,754	8,299	1,066	692	771	833	951	1,272
Railroad ties.....thousands		1 1,036	1,145	1,237	1,095	873		1 691	797	1,007	889	676
Rattan, unmanufactured.....1,000 lbs.		1 14,154	13,355	11,622	8,896	8,777	992	1,249	1,090	969	750	680
Poles—telegraph, telephone, etc.....thousands		1 621	693	791	797	823		1 2,737	2,959	3,294	3,355	3,319
Brier, ivy, or laurel root.....1,000 lbs.		3 4,332	5,570	4,696	4,318	4,398		3 294	453	300	283	349
Other unmanufactured wood								2,101	1,442	1,513	1,275	1,640
B. Wood semimanufactures—sawmill products -----												
Boards, planks, and deals—							22,061	63,410	78,150	74,579	64,004	54,866
Softwood.....M ft.												
Hardwood.....do	970,039	1,576,375	1,734,807	1,776,505	1,633,785	1,372,405	17,571	48,765	50,431	48,776	43,180	35,409
Cabinet woods, sawed—			80,272	91,545	72,951	38,443			4,624	4,998	4,296	3,194
Product of Philippine Islands.....do	985	10,946	25,697	26,347	32,931	33,881	52	638	1,352	1,225	1,624	1,538
Other cabinet woods, sawed.....do		5,239	6,222	4,774	4,960	3,675		379	407	365	388	305
Other lumber							1,123	2 287				
Laths.....millions	665	1,473	1,969	1,832	1,705	1,293	1,727	3,627	10,668	9,748	7,250	6,322
Shingles.....do	675	2,430	2,513	2,432	1,965	2,066	1,588	9,162	9,992	8,907	6,953	7,637
Pickets and palings.....thousands		8 45,738	68,311	55,133	57,154	50,230		8 473	736	501	565	461
C. Wood manufactures -----												
Barrels, boxes, and shooks.....thousands		1 1,564	1,812	3,293	1,992	2,122	4,207	9,055	9,629	10,463	10,615	10,634
								1 365	390	284	354	418

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Baskets—														
Product of Philippine Islands..... number.....		57,359	40,110	14,062	3,546	3,146		24	19	7	2	1		
All other baskets..... thousands.....		13,782	10,700	13,285	11,773	12,021		1,780	1,212	1,289	1,108	976		
Chair cane or reed and manufactured rattan..... 1,000 lbs.....		1 5,163	4,806	4,746	4,083	3,606	471	622	598	557	429	384		
Osier or willow for basket making..... do.....		1 1,908	1,418	1,330	829	505		1 128	104	84	41	23		
Manufactures of rattan, bamboo, osier, or willow (except furniture)								2 574	491	460	210	185		
Walking canes, handles, and sticks for umbrellas, etc.								2 249	247	273	278	287		
Furniture of rattan, reed, bamboo, grass, osier, willow, or fiber														
Other furniture of wood.....								888	2,479	496	421	357	221	
Manufactures of wood, product of Philippine Islands.....									2,891	3,523	4,631	5,049		
Other manufactures of wood.....								3	38	33	34	84	84	
								2,845	3,486	3,147	3,551	3,122	3,006	
D. Cork and manufactures.								5,795	4,689	5,379	9,704	9,909	9,988	
Bark or wood, unmanufactured..... 1,000 lbs.....		56,824	76,490	126,355	124,001	87,798	3,535	1,398	1,454	2,009	3,063	3,067		
Waste shavings, etc..... do.....		140,950	137,229	178,347	99,090	141,873		1,749	1,541	2,732	2,312	3,141		
Disks, wafers, and washers..... do.....		428	780	1,109	734	522		344	675	942	535	441		
Cork insulation..... do.....		1 20,371	24,734	38,506	50,403	43,866		1 764	979	1,968	3,100	2,229		
Cork stoppers..... do.....			390	543	412	499		10 390	390	429	630	361		
All other manufactures of cork.....								2,260	661	341	724	268	699	
E. Paper base stocks								27,520	94,219	118,795	121,506	113,632	112,896	
Pulp woods..... 1,000 cords.....	976	1,248	1,483	1,384	1,597	1,646	6,399	13,607	13,180	14,176	16,484	18,157		
Rough spruce..... do.....		286	321	367	431	461		2,956	3,220	3,633	4,240	4,578		
Other rough..... do.....						54						502		
Peeled spruce..... do.....	976	844	1,019	928	1,074	705	6,399	9,082	10,238	9,438	11,014	7,749		
Other peeled..... do.....						273						2,529		
Rossed spruce..... do.....						50						742		
Other rossed..... do.....		117	143	89	91	3		1,569	1,671	1,105	1,231	57		
Wood pulp..... tons of 2,240 lbs.....	471,798	1,165,276	1,435,370	1,545,904	1,496,222	1,566,931	14,631	67,002	81,834	91,231	85,842	83,484		
Mechanically ground wood pulp..... do.....	178,335	229,222	295,618	271,213	219,285	222,499	3,199	7,183	8,517	8,278	5,962	5,443		
Sulphite wood pulp—														
Unbleached..... do.....	26 220,468	446,770	579,284	628,923	613,856	640,660	26 7,791	24,924	31,542	37,032	34,263	32,587		
Bleached..... do.....	27 72,993	221,905	286,976	294,818	311,130	307,926	27 3,641	18,545	22,528	28,678	24,225	23,368		
Soda pulp..... do.....		1,226						76						
Sulphate wood pulp, unbleached (Kraft pulp)..... tons of 2,240 lbs.....		249,746	306,073	334,803	341,162	381,256		15,270	18,257	21,193	20,684	21,171		
Sulphate wood pulp, bleached..... do.....		16,708	17,419	16,147	10,789	14,590		1,004	990	1,049	709	895		
Other pulp..... do.....		1 1,695	2 123	3,887	3,348	6,728		1 109	152	256	244	455		
Rags for paper stock..... 1,000 lbs.....	200,326	379,223	572,432	476,764	388,121	439,893	2,623	8,318	15,828	10,373	7,647	8,195		
Waste bagging, waste paper, etc..... do.....		1 122,179	128,872	113,322	108,793	148,756		1 1,775	2,274	2,395	1,429	1,938		
Old rope and all other paper stock..... do.....		118,277	71,199	79,036	64,978	70,724	3,867	4,162	3,576	3,075	1,985	2,065		

1 Average for years 1923-1925.

2 Average for years 1924-25.

3 Average for years 1921 and 1924-25.

7 Average for years 1912-1914.

8 Average for years 1922-1925.

10 1925 only.

11 1921 only.

12 "Cedar" prior to 1923.

26 Data are "chemical wood pulp, unbleached."

27 Data are "chemical wood pulp, bleached."

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 4. WOOD AND PAPER—Continued												
F. Paper and manufactures							10,680	105,239	119,201	139,499	149,365	156,407
Printing paper—												
Standard newsprint.....1,000 lbs.	238,212	2,374,511	2,896,850	3,701,350	3,974,129	4,314,333	4,804	90,895	103,717	123,982	131,489	139,433
All other, n. e. s.....do													13,335	16,611	16,376	10,420	7,339	657	809	827	512	343
Grease-proof and waterproof papers.....do		2,306	2,279	2,227	1,622	1,262		1,249	289	383	262	232
Kraft wrapping paper.....do		46,975	14,420	8,868	12,193	10,762	7,874	1,995	606	391	518	460
All other wrapping paper.....do													5,550	5,556	12,914	16,224	1,995	270	367	337	392	392
Writing, letter, drawing, etc., papers.....do		3,139	3,220	3,761	3,419	3,108		1,672	745	928	885	807
Surface-coated.....do	5,464	1,269	1,565	2,068	2,235	2,371	589	344	531	756	912	1,104
Tissue, copying, etc., paper.....do		2,385	2,714	2,882	3,231	3,569		1,022	1,164	1,405	1,836	2,053
Pulp boards in rolls.....do		65,850	72,695	70,765	60,128	52,770		1,786	1,913	1,718	1,423	1,151
Paper boards, pulp board and cardboard								1,735	746	916	827	497
Cigarette paper, cigarette books and covers												
.....1,000 lbs.		11,275	10,651	8,276	14,685	11,689	807	3,362	2,935	2,183	4,292	3,214
Hanging paper (wall paper).....do		10,022	5,516	3,529	2,356	2,164	1,900	541	563	697	634	657
Duplex decalcomania, not printed.....do		447	436	690	702	626		123	112	170	159	142
Paper boxes.....do		2,080	2,329	2,104	2,503	2,804		1,264	1,350	965	1,447	1,789
Pulp or papier-mâché and manufactures of, n. e. s.....do											405	339
All other paper and manufactures.....do							3,720	3,423	3,453	3,507	3,493	3,697
GROUP 5.—NONMETALLIC MINERALS												
Total							89,306	230,110	263,019	301,394	262,837	285,153
A. Coal and related fuels							4,727	13,330	7,549	12,273	5,028	6,513
Anthracite coal.....tons of 2,240 lbs.	4,416	186,362	341,870	726,746	106,277	343,488	17	1,560	3,213	6,997	837	2,591
Bituminous coal, shale, and lignite												
.....1,000 tons of 2,240 lbs.	1,525	1,646	537	475	491	488	4,240	9,804	2,634	2,304	2,447	2,398
Bituminous coal, shale, and lignite.....do		1,236	85	92	71	110		7,378	434	489	346	500
Bituminous coal and shale.....do		1,572	452	383	420	378		3,199	2,200	1,816	2,101	1,898
Coke.....tons of 2,240 lbs.	110,663	88,327	179,981	254,061	150,767	131,876	470	881	1,609	2,174	1,372	1,133
Charcoal, briquets, etc.....do								92	94	797	373	391
B. Petroleum and products							6,252	90,798	107,694	124,556	113,434	132,842
Crude petroleum.....1,000 bbls. of 42 gals.	7,804	94,857	61,824	60,382	58,383	79,767	5,858	68,012	75,407	79,308	78,609	90,473
Refined petroleum oil products.....do													12,545	16,324	20,902	13,281	11,701	22,214	31,283	44,597	33,638	40,943
Topped, including fuel oils.....do		9,673	12,245	14,432	8,124	7,268	11,356	14,225	16,903	10,176	8,485	8,485
Tops and other unfinished distillates.....do													210	823	91	20	661	2,633	338	34
Gasoline, naphtha, and other finished light products.....1,000 bbls. of 42 gals.		2,840	3,813	5,540	5,002	4,198		10,617	15,978	24,553	22,773	31,516

Illuminating oil (kerosene).....do.....		1 12	19	74	55	202		1 85	133	236	248	716
Lubricating oils, including paraffin oil do.....		1 26	37	33	8	13		1 190	286	287	103	192
Paraffin and paraffin wax.....1,000 lbs.....	8, 868	10, 458	14, 588	9, 983	20, 462	24, 741	394	566	1, 008	652	1, 187	1, 426
C. Stone, sand, cement, and lime							2, 451	5, 321	9, 327	9, 562	8, 196	7, 349
Marble, breccia, and onyx— In blocks, or sawed over 2 inches thick Manufactures.....1,000 cu. ft.....		587	640	865	954	591	1, 429	1, 220 333	1, 320 483	1, 792 684	2, 531 880	1, 691 805
Other building or monumental stone, n. e. s.....								598	878	981	874	804
Sand and gravel.....1,000 tons of 2,240 lbs.....		1 510	477	846	657	674	143	1 258	233	342	303	365
Other stone, n. e. s.....							548	198	309	280	286	234
Cement, Roman, Portland, and other hydraulic.....1,000 bbls. ²⁵	196	1, 558	3, 655	3, 232	2, 050	2, 284	276	2, 582	5, 814	5, 125	2, 956	3, 091
Lime and limestone, crude.....1,000 lbs.....	10, 477	145, 351	38, 277	54, 754	55, 305	54, 055	55	1 368	291	358	366	359
D. Glass and glass products							6, 476	16, 989	17, 380	20, 875	17, 038	15, 240
Cylinder, crown and sheet— Unpolished, not bent, obscured, beveled, etc.— Weighing less than 80 pounds per case 1,000 lbs.....											1, 226	1, 113
Weighing 80 pounds or over per case do.....	29 27, 623	29 44, 800	45, 881	81, 634	45, 984 36, 763	37, 178 30, 413	29 1, 009	29 2, 342	2, 409	3, 191	1, 635	1, 342
Polished, and bent, obscured, beveled, colored, etc., unpolished, and polished, and all silvered.....								1 613	535	548	392	561
Plate glass— Cast, polished, unsilvered.....1,000 sq. ft.....	2, 634	15, 896	17, 257	26, 664	15, 409 1, 377	15, 843 1, 727	606	8, 246	7, 278	8, 852	4, 310 332	3, 355 428
Other.....do.....												
Bottles, vials, jars, demijohns, and carboys, molded or pressed.....								248	186	255	193	248
Table and kitchen utensils.....								1 172	146	118	200	298
Glassware, cut or decorated.....							11 1, 125	1, 859	2, 377	2, 939	3, 751	2, 905
Blown glassware, n. e. s.— Bottles, ornaments, etc.....			16, 930	18, 424	15, 127	15, 741			1, 649	1, 865	1, 863	1, 885
Bulbs for electric lamps.....thousands.....									175	207	159	175
Chimneys, globes, shades, etc.....									1, 062	1, 025	968	988
Articles and utensils for chemical, scientific, and experimental purposes.....									380	532	537	548
Other glassware.....							3, 034	2, 210	1, 183	1, 341	1, 466	1, 398
E. Clay and clay products							12, 639	19, 016	21, 653	25, 919	25, 867	23, 598
Clays and earths— Kaolin, china, and paper clay.....tons of 2,240 lbs.....	11 242, 143	270, 129	332, 622	353, 746	302, 693	274, 472	11 1, 605	2, 792	3, 196	3, 484	2, 937	2, 963
Other clays, n. e. s.....do.....	118, 179	59, 329	53, 912	85, 879	55, 851	53, 906	708	607	639	830	582	585

1 Average for years 1923-1925.

2 Average for years 1924-25.

3 Average for years 1913-14.

7 Average for years 1912-1914.

8 Average for years 1922-1925.

11 Average for years 1911-1914.

25 Barrels of 376 pounds.

29 "Cylinder, crown, and sheet" prior to 1923.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

574

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 5. NONMETALLIC MINERALS—Continued												
E. Clay and clay products—Continued.												
Pottery							10,647	15,056	17,110	19,286	20,198	17,947
China and porcelain—												
Table, toilet, and kitchen ware—												
Plain white or brown.....1,000 doz.				828	471	530	1,081	670	587	485	390	341
Domestic or household.....do.						516						329
Hotel ware.....do.						14						12
Decorated.....do.				9,135	9,284	9,010			9,138	10,349	10,498	9,138
Domestic or household.....do.						8,584						8,442
Hotel ware.....do.						426	8,808	8,532				696
Bisque and Parian.....do.				306	510	723			379	615	845	828
Other china and porcelain.....do.									466	771	505	364
Earthen, crockery, and stone ware—												
Table, toilet, and kitchen ware—												
Domestic or household ³⁰ —												
Plain, white, yellow, etc.....1,000 doz.				598	615	603		519	499	404	385	339
Decorated.....do.				4,007	4,283	3,936		4,217	4,876	5,149	5,590	4,259
Hotel ware, plain or decorated ³⁰.....do.						453						691
Other (except common) earthen, crockery, etc., ware.....do.							758	909	760	1,312	1,784	1,839
Common earthen and stone and Rocking- ham earthenware.....1,000 doz.				97	93	129		329	406	202	201	149
Tiles.....1,000 sq. ft.			3,419	6,209	5,255	6,162			531	1,070	1,077	1,341
Bricks.....do.								884	177	1,073	676	575
Articles of earthy or mineral substances, n. e. s.									176	196	186	186
F. Precious stones and pearls and imitations							42,637	66,473	75,271	80,651	68,730	74,559
Diamonds—												
Rough, uncut.....carats		153,216	171,842	236,953	237,095	291,302	³¹ 9,959	7,831	9,492	13,071	11,470	11,935
Cut, but not set.....do.		453,028	513,783	555,363	445,571	440,437	24,699	43,692	49,621	51,362	40,736	42,396
Glaziers', engravers', and miners' dia- monds.....carats		32,425	46,556	41,475	34,645	38,342	(³¹)	1,087	1,977	1,940	2,150	2,757
Pearls, not strung or set.....do.							¹¹ 3,325	6,741	6,722	5,357	6,078	7,164
Imitation precious stones.....do.							⁷ 1,231	2,184	2,266	2,724	2,670	4,198
Other precious stones, rough, uncut.....do.							139	640	242	320	215	293
Other precious and semiprecious stones, cut but not set.....do.							⁷ 2,961	4,299	4,951	5,877	5,410	5,817

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G. Other nonmetallic minerals								14, 194	19, 188	24, 145	27, 559	24, 750	25, 054
Abrasives								1, 082	3, 082	4, 006	4, 379	3, 370	3, 841
Natural abrasives—													
Corundum ore..... tons of 2,240 lbs.	1, 145	2, 418	1, 467	4, 831	1, 133	1, 400	128	165	81	302	70	83	
Emery ore..... do.....	14, 816	5, 453	6, 795	4, 237	4, 126	4, 846	270	159	128	183	72	84	
Diamond dust and bort.....							84	1 417	760	271	59	31	
Pumice stone and manufactures.....							85	1 123	130	129	124	160	
Flint..... tons of 2,240 lbs.		13, 534	14, 500	13, 474	13, 563	14, 035	305	123	105	120	94	144	
Other.....								291	295	83	94	74	
Artificial abrasives, crude..... 1,000 lbs.		60, 599	95, 884	108, 057	95, 116	112, 584	117	1, 962	3, 023	2, 993	2, 545	2, 970	
Other abrasives and manufactures.....							93	118	83	298	313	295	
Asbestos—													
Crude (including blue fiber)													
Mill fiber..... tons of 2,240 lbs.	63, 727	151, 443	205, 821	230, 019	199, 726	12, 402	1, 452	5, 655	7, 134	8, 143	8, 150	3, 051	
Stucco and other unmanufactured..... do.....													40, 235	4, 096	1, 871
Manufactures..... 1,000 lbs.		1 24, 153	35, 387	61, 867	135, 441	56, 371	337	472	753	1, 170	2, 177	1, 086	
Asphalt and bitumen..... tons of 2,240 lbs.	177, 016	121, 501	109, 073	127, 350	141, 158	106, 775	835	1, 064	907	1, 046	1, 140	865	
Carbon and manufactures.....							309	323	322	577	615	339	
Chalk—													
Unmanufactured..... tons of 2,240 lbs.	134, 235	101, 968	102, 657	104, 856	110, 245	96, 856	115	143	121	135	139	116	
Manufactures..... 1,000 lbs.		1 14, 643	17, 763	23, 034	2, 948	3, 795	78	121	161	155	90	108	
Cryolite or kryolith..... tons of 2,240 lbs.		2 8, 082	9, 844	7, 599	5, 064	6, 906		2 506	691	558	411	529	
Fluorspar..... do.....	24, 037	3 31, 539	43, 482	67, 563	63, 853	42, 128	80	3 365	469	747	595	409	
Gypsum or plaster rock—													
Crude..... do.....	370, 011	407, 930	566, 449	735, 787	739, 838	918, 586	438	648	916	1, 276	1, 168	1, 341	
Ground, calcined, cements, and other manufactures.....							60	1 156	209	212	224	261	
Mica—													
Unmanufactured..... 1,000 lbs.		691	627	820	757	503	730	447	557	614	393	257	
Mica splittings..... do.....	1 5, 391	4, 682	6, 183	2, 532	3, 134	54							
Cut, ground, or manufactured..... do.....							1, 437	1, 554	2, 184	1, 091	89		
Pyrites, or sulphuret of iron, containing more than 25 per cent sulphur,													
1,000 tons of 2,240 lbs.	883	256	275	366	251	458	3, 492	929	774	857	648	1, 141	
Talcum, steatite, or French chalk..... 1,000 lbs.	21, 165	35, 574	41, 980	48, 692	50, 246	54, 016	118	368	449	564	545	576	
Magnesite—													
Crude and calcined..... do.....	270, 444	167, 439	138, 234	30, 877	20, 708	12, 473	1, 311	1, 287	1, 173	337	232	138	
Dead burned and grain..... do.....													154, 215	99, 745	114, 530
Salt.....	286, 839	193, 988	160, 021	121, 455	95, 844	84, 049	392	424	320	215	169	150	
Graphite or plumbago..... do.....	49, 520	29, 904	35, 559	32, 337	34, 857	35, 636	1, 764	553	828	924	722	809	
Mineral wax..... do.....	6, 879	6, 358	6, 175	8, 286	7, 800	10, 901	513	341	362	480	579	594	
Other nonmetallic minerals, n. e. s.....							818	1, 379	1, 839	1, 858	1, 584	1, 769	

¹ Average for years 1923-1925.

² Average for years 1924-25.

³ Average for years 1921 and 1924-25.

⁴ Average for years 1912-1914.

⁵ Average for years 1922-1925.

⁶ Average for years 1911-1914.

⁷ "Hotel ware" is included with "domestic or household ware" prior to Jan. 1, 1928.

⁸ "Rough uncut diamonds" includes "glaziers', engravers', and miners' diamonds."

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
Total							153,802	243,257	313,164	364,027	323,350	515,654
A. Iron ore.....1,000 tons of 2,240 lbs.	2,187	1,691	2,191	2,555	2,621	2,453	6,719	6,955	6,895	5,876	6,068	5,428
B. Iron and steel semimanufactures												
Pig iron.....tons of 2,240 lbs.	170,144	285,772	441,425	445,773	132,568	140,694	13,740	11,711	15,483	16,423	10,008	10,691
Iron and steel scrap.....do.	46,976	102,632	99,815	86,725	60,209	63,314	5,464	6,021	7,951	7,709	2,254	2,232
Steel bars.....1,000 lbs.		²⁰ 69,262	131,722	231,781	204,954	191,172		²⁰ 1,498	1,361	991	729	1,006
Bar iron.....do.	62,806	15,153	26,299	12,600	9,467	5,472	1,231	394	538	291	193	158
Wire rods.....do.	34,404	9,600	17,892	22,568	40,298	43,227	757	316	539	692	943	1,122
Boiler or other plate iron or steel sheets.....do.		¹ 4,414	1,833	11,076	9,037	17,977		¹ 89	50	144	126	252
Steel ingots, blooms, slabs, etc.....do.	70,091	55,321	60,661	69,049	30,625	48,023	3,292	2,130	1,769	1,324	706	909
Sheets of iron or steel, skelp, saw plates, and steel, n. e. s.....1,000 lbs.	9,068	5,371	8,204	23,903	35,225	51,016	417	251	292	563	773	1,012
Tin plates, terneplates, and taggers tin.....do.	66,744	6,537	855	4,837	2,383	2,064	2,024	373	108	297	192	153
C. Steel-mill products, manufactures												
Structural shapes and building forms							1,680	7,707	13,811	17,732	18,753	17,494
.....1,000 lbs.	¹⁵ 18,233	62,635	173,131	271,265	362,542	366,826	¹⁵ 274	1,232	2,863	3,923	5,532	5,271
Rails for railways.....do.	13,825	71,059	82,393	123,675	34,618	31,401	144	1,012	1,051	1,449	423	432
Pipes and tubes.....do.		¹ 106,271	185,614	257,485	295,455	238,088		¹ 2,790	4,726	5,612	7,261	5,849
Cast-iron pipe.....do.				187,877	183,152	136,177				2,461	2,609	1,736
Other pipes and tubes.....do.				69,607	112,333	101,911				3,151	4,652	4,123
Wire and manufactures—												
Barbed wire.....do.				6,844	9,012	12,650					185	242
Round wire.....do.		¹ 8,276	9,081	9,698	8,879	10,535		¹ 792	842	799	682	672
Telegraph, telephone, and other insulated wire ².....do.									¹ 871	410	221	12
Flat wire and steel strips.....1,000 lbs.		¹ 4,300	4,906	8,240	5,698	5,745		¹ 2,239	2,458	2,076	1,709	1,770
Card clothing.....1,000 sq. ft.		¹ 322	275	241	313	279		¹ 498	448	393	514	423
Wire rope and strand.....1,000 lbs.						3,751					208	298
Other manufactures of wire.....do.							1,267	653	453	1,606	976	736
Nails ³.....1,000 lbs.		¹ 3,189	6,180	11,995	12,653	22,700		¹ 117	203	345	394	677
Castings and forgings.....do.		¹ 6,378	6,682	6,133	6,845	7,128		¹ 402	358	330	388	469
Tanks, drums, or vessels for gas or liquids.....number				145,246	142,718	151,663				788	619	472
D. Iron and steel, advanced manufactures							8,604	8,348	5,470	6,926	7,190	8,833
Cutlery—												
Razors and parts.....thousands.		7,219	763	2,073	41,730	77,578	⁷ 415	354	198	267	429	602

Scissors, shears, and clippers.....do	7 6,044	4,562	1,886	1,943	1,612	1,210	7 642	582	350	343	326	269
Pen, pocket, and other folding-blade knives thousands	7 13,646	7,391	4,358	4,390	4,498	4,305	7 952	602	273	260	282	207
Other cutlery.....do	1 1,378	1,220	1,444	1,444	1,293	1,050	939	412	404	499	437	352
Table, kitchen, and other ware, glazed 1,000 lbs	1 993	814	1,344	898	767	766	766	300	209	306	228	197
Tools.....do	1 531	522	614	731	479	1,099	380	1,040	1,051	799	855	950
Needles, hand-sewing and darning ²⁴ millions	996	900	918	635	728	479	380	229	266	260	202	202
Hook or band iron or steel for baling 1,000 lbs					70,009							
All other iron and steel manufactures, n. s. p. f.							5,215	4,296	2,245	3,321	3,751	1,343
E. Ferro-alloys							8,057	13,293	13,015	20,783	16,440	13,856
Manganese ore— Product of—												
Cuba (Gross weight.....tons of 2,240 lbs	11,495	12,745	14,112	8,976	3,180			165	253	225	142	60
(Manganese content.....do				4,211	1,556							
Other manganese ore (manganese content) tons of 2,240 lbs	264,022	295,757	287,265	347,378	304,419	206,252	1,675	4,821	8,005	10,847	8,345	5,236
Ferromanganese and other alloys (manganese content) ²⁵ tons of 2,240 lbs	11 1,112	61,510	67,456	43,932	34,018	47,550	11 543	5,244	6,578	4,138	3,405	4,805
Chrome ore or chromite.....do	25,060	113,752	149,739	215,464	222,360	216,592	521	965	1,205	1,705	1,749	1,705
Ferrochromium, chromium metal, and chromi- um vanadium.....1,000 lbs	1 1,994	1,511	1,178	1,052	1,605			1 185	142	124	59	196
Ferrosilicon (silicon content).....do	(²⁶)	22,683	10,295	29,398	17,367	9,983	(²⁶)	819	555	1,386	1,026	636
Tungsten and alloys (tungsten content).....do	1 1,262	3,090	3,442	1,614	2,730		7 232	349	735	871	308	573
Vanadium ore.....tons of 2,240 lbs		2,114	7,471	6,199	493			287	341	340	561	50
Other ores of ferro-alloying metals.....1,000 lbs		453		20	864				13	10	20	10
Other ferro-alloying metals								281	154	573	855	515
F. Nonferrous metals, except precious							111,908	173,054	233,005	272,214	247,412	240,138
Aluminum							2,434	2,373	12,036	13,690	17,892	10,112
Bauxite, crude.....tons of 2,240 lbs	21,467	146,743	353,696	281,644	355,580	350,111		690	1,549	1,572	1,572	1,524
Metal, scraps, and alloy.....1,000 lbs	7 19,242	37,280	43,410	74,879	72,189	37,896	7 2,951	7,811	10,180	17,103	15,316	7,736
Manufactures—												
Plates, sheets, bars, etc.....do			102	127	400	26			48	37	79	11
Hollow ware.....do			243	215	142	123	7 807	1,172	125	99	66	70
Other manufactures									184	259	859	761
Copper²⁷.....1,000 lbs	368,968	597,949	652,972	779,441	712,323	787,074	47,845	77,811	84,270	99,742	84,963	96,187
Copper ores, concentrates and matte.....do	92,898	133,996	163,329	153,595	163,915	143,305	10,743	16,806	20,287	19,064	18,995	16,735
Ores (copper content).....do	69,469	86,163	107,642	106,715	99,323	106,192	7,705	10,905	13,582	13,452	10,757	11,589
Concentrates (copper content).....do		41,833	53,984	44,750	68,193	39,473		5,140	6,492	5,332	8,107	4,891
Regulus, coarse, metal, and cement copper (copper content).....1,000 lbs	23,429	5,955	1,733	2,129	1,393	2,640	3,038	755	213	261	131	285

¹ Average for years 1923-1925.² Average for years 1912-1914.³ Average for years 1911-1914.⁴ Average for years 1910 and 1912-1914.²⁰ Average for years 1921 and 1925.²² "Wire rope, insulated wire, etc." prior to 1926.²³ "Nails and screws" prior to 1926.²⁴ "Hand-sewing, darning, and shoe machine" prior to 1922.²⁵ Gross weight prior to Sept. 22, 1922.²⁶ Included with "Pig iron" in 1910-1914.²⁷ Not including pounds of "Copper manufactures, n. s. s."

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

578

Group and article	Quantity						Value in thousands of dollars															
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928										
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES—Continued																						
F. Nonferrous metals, except precious—Continued.																						
Copper—Continued.																						
Unrefined, black, blister, and converter copper, in pigs, bars, etc.-----1,000 lbs.	276,065	343,988	379,334	443,798	438,594	549,190	87,016	44,850	48,870	56,101	51,954	67,595										
Refined copper-----do.													101,309	99,774	170,566	103,279	84,731	14,918	13,831	23,336	13,105	12,634
Old and clippings for remanufacture-----do.													9,354	10,428	11,002	7,478	10,633	533	1,159	1,114	898	969
Composition metal, copper chief value-----do.													1,322	107	451	58	216	173	12	64	15	32
Copper manufactures, n. e. s.-----do.																		86	113	51	62	195	222
Brass, and bronze, and manufactures-----do.							1,448	4,889	2,158	2,310	2,978	4,370										
Old and clippings, for remanufacture-----1,000 lbs.	6,159	49,147	10,748	8,622	7,985	12,151	684	3,764	773	632	556	1,015										
Brass manufactures-----do.								528	645	768	1,219	1,941										
Bronze manufactures-----do.							764	597	740	911	1,203	1,414										
Lead (lead content) ³⁸ -----1,000 lbs.	162,894	222,701	254,578	310,722	394,646	314,025	3,509	11,411	17,398	19,994	17,886	15,505										
Ore, matte, and bullion-----do.																						
Ore and matte (lead content)-----do.	44,186	57,975	88,963	116,233	81,276	51,830	871	2,825	5,193	6,801	4,643	2,885										
Bullion or base bullion (lead content)-----1,000 lbs.	115,198	130,512	141,254	156,571	236,567	256,935	2,509	6,736	10,458	10,097	11,737	11,533										
Pigs, bars, old and scrap ³⁹ -----do.			12,798	20,064	4,935	1,323			1,066	1,485	348	96										
Babbitt metal, solder, etc. (lead content) ⁴⁰ -----1,000 lbs.	3,450	30,058	1,244	2,271	1,216	850	111	1,506	99	548	932	570										
Manufactures of lead, n. e. s. (except type metal)-----do.																						
Type metal and an-(gross weight)-----1,000 lbs.		10,6,009	6,009	8,620	893	3,991	18	84	149	164	160	198										
Antimonial lead-----lead content-----do.		14,317	4,310	6,993	652	3,037		1,332	463	796	65	193										
Nickel-----do.							4,928	5,232	7,876	9,462	8,908	14,363										
Ore and matte-----1,000 lbs.	36,602	8,195	9,912	14,636	10,744	18,559	4,928	820	1,063	1,309	962	1,470										
Nickel alloy in pigs and other forms-----do.			31,967	29,379	29,226	48,996		6,541	7,857	7,721	7,721	12,346										
Nickel oxide-----do.			1,232	1,435	1,013	1,743		4,411	177	241	179	253										
Nickel in bars, plates, sheets, etc., and manufactures-----do.									95	62	101	294										
Tin-----do.																						
Ore (tin content)-----tons of 2,240 lbs.		5,812	191	303	122	130		2,703	98	187	79	69										
Bars, blocks, pigs, etc.-----1,000 lbs.	106,134	132,173	171,686	172,836	189,357	174,654	41,511	59,522	95,121	104,798	100,865	86,953										
Zinc-----do.																						
Ore (zinc content)-----do.	40,151	10,537	27,073	29,252	19,025	3,409	777	462	1,438	1,520	786	169										
Block, pigs, etc., and old-----do.	12,350	2,745	48	43	115	6	625	117	3	2	7	(⁴¹)										

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Zinc dust and other manufactures							205	144	39	41	97	141		
Antimony—														
Ore (gross weight) 1,000 lbs.			2,718	5,103	7,023	7,824								
(antimony content) do.			1,545	3,180	3,965	4,369								
Needle, liquidated, regulus, or metal do.	13,188	{	1,127	21,318	24,422	22,608	723	{	33	47	291	273	313	
			18,079						1,086	2,513	3,795	2,516	1,820	
Cobalt ore and metal do.	11,349	{	176	210	542	468	643	11,55	352	410	877	844	1,173	
Gold and silver sweepings								125	429	295	216	196	393	
Quicksilver or mercury 1,000 lbs.		{	1,395	1,709	2,146	1,849	1,193		1,915	1,322	1,971	2,189	1,572	
Other ores, metals, and alloys, n. e. s.									566	1,151	656	710	935	
Manufactures of metals, n. e. s.								7,734	{	6,075	6,801	7,664	6,221	4,038
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin								7,644	17,188	20,484	24,072	22,478	19,190	
Platinum oz. troy		{	96,244	106,478	114,968	128,544	108,447	4,306	8,400	11,301	11,804	11,188	7,693	
Ores of platinum metal (platinum content)														
Grains, nuggets, sponge or scrap oz. troy					1,221		636					125	49	
Ingots, bars, sheets or plates, etc. do.					87,162	90,491	78,399				8,683	7,481	5,295	
					26,535	38,053	29,362				2,996	3,707	2,349	
Platinum metals and native combinations thereof—														
Iridium oz. troy			2,349	3,305	4,633	4,212				587	412	520	672	
Osmium and osmiridium do.			4,286	6,141	7,512	6,085				567	669	398	439	
Palladium do.	7,501	{	17,255	8,296	8,258	6,251	18,463	439	1,424	483	460	223	408	
Rhodium and ruthenium do.			4,332	2,120	1,792	2,977				285	117	79	139	
Jewelry 1,000 pieces		{	16,870	4,126	5,971	8,356	21,092	1,333	1,631	1,183	1,540	2,087	3,921	
Metal articles for personal use and adornment									1,769	818	1,596	2,389	1,569	
Manufactures of gold and silver, n. e. s.—														
Lame and lahn, tinsel wire, bullion and threads 1,000 lbs.			1,629	2,261	1,675	1,169								
Braids, fabrics, laces, etc.								1,566	4,338	1,698	2,887	1,614	1,092	
All other, including plated articles									934	2,415	2,993	2,604	1,628	
										1,147	1,605	1,376	1,630	
GROUP 7.—MACHINERY AND VEHICLES														
Total							12,480	17,768	19,176	26,212	27,517	29,75		
A. Electrical machinery and apparatus								1,755	2,433	2,520	3,083	2,770		
Electric lamps—Incandescent—														
Carbon filament thousands		{	1,270	16,234	29,589	28,201	23,298	33,236	579	565	1,120	1,053	1,077	
Metal filament do.		{	5,776	11,323	8,292	6,112	4,118	3,409	5481	495	366	410	197	
Other do.				10	19	16	13	13	533	142	8	6	11	
Other electrical machinery and apparatus									1,895	939	845	1,772	1,538	
B, C, D. Industrial, office, and printing machinery									11,398	11,709	16,450	16,453	18,713	
Steam and internal-combustion engines and repairs									1,641	23	76	279	903	
Metal-working machine tools 1,000 lbs.		{	1,852	1,916	2,679	1,802	2,547		320	374	322	414	569	

¹ Average for years 1923-1925.² Average for years 1924-25.³ Average for years 1913-14.¹⁰ 1925 only.¹¹ Average for years 1911-1914.¹² Less than 500.¹³ Not including pounds of "lead manufactures, n. e. s."¹⁴ "Pigs and bars" prior to Jan. 1, 1927.¹⁵ "Scrap lead, Babbitt metal, solder, etc.," prior to Jan. 1, 1927.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 7.—MACHINERY AND VEHICLES—Continued												
B, C, D. Industrial, office, etc., machinery—Contd.												
Textile machinery								5,489	4,863	5,615	6,201	5,090
Embroidery, lace, and lace-curtain machines and parts								175	76	8	169	186
Hosiery-knitting machines.....number					805	591					3,163	2,513
Other knitting, braiding, and insulating machines and parts.....1,000 lbs.					816	393		11,520	1,680	3,420	347	262
Cotton-manufacturing machinery and parts.....1,000 lbs.		1,290	2,021	1,386	2,179	2,552		2,262	440	305	403	511
Wool-manufacturing machinery and parts.....1,000 lbs.				1,059	1,899	2,353				202	457	449
Other textile machinery and parts.....do		16,729	13,864	7,011	6,473	4,340		4,213	2,667	1,680	1,662	1,169
Sewing machines and parts								495	249	377	539	505
Antifriction balls, rollers, and bearings.....1,000 lbs.		1,895	872	1,255	1,058	1,245	11,797	708	846	1,050	913	997
Other industrial, office, and printing machinery							8,167	4,002	5,355	8,810	8,106	10,649
E. Agricultural machinery and implements												
Cream separators, not over \$50 each.....number		1,20,156	20,644	28,395	25,196	27,159		2,592	3,094	5,012	5,407	4,839
Plows and cultivators.....do		13,419	3,856	5,486	10,076	9,728		517	540	708	610	531
Threshing machines.....do		1,110	116	131	50	95		1,212	255	437	743	810
All other, including agricultural vehicles								1,104	95	112	40	84
							87	1,885	2,173	3,760	4,013	3,405
F. Automobiles and other vehicles, except agricultural												
Automobiles and chassis.....number	874	628	678	813	635	566	2,551	2,028	1,939	2,230	2,625	3,428
Bodies and parts of automobiles, except tires							1,853	897	1,050	1,353	1,219	1,201
Other vehicles and parts							544			725	1,146	1,598
							288	1,126	860	152	259	629
GROUP 8.—CHEMICALS AND RELATED PRODUCTS												
Total							87,657	112,100	138,340	134,833	129,857	143,234
A. Coal-tar chemicals												
Coal-tar products, crude—							14,275	16,056	20,657	19,806	24,022	23,909
Dead or creosote oil.....1,000 gals.	53,316	62,713	84,869	87,519	95,915	88,385	2,808	8,701	10,978	11,720	15,437	13,028
Pyridine.....1,000 lbs.		2,699	789	743	136	55		2,332	394	366	42	9
Other crude coal-tar products								392	756	658	872	1,314
Intermediates—												
Acids.....1,000 lbs.		297	337	511	819	2,946		77	93	133	120	328
All other intermediates.....do	4,770	2,357	2,241	998	1,768	1,445	388	581	1,005	642	1,027	999

Finished products—												
Alizarin and derivatives.....do	4,461	269	48	21	4	3	1,050	381	75	38	3	4
Colors, dyes, stains, color acids, and color bases, n. e. s.....1,000 lbs		3,895	5,785	4,973	5,497	6,252	7,809	5,147	7,166	5,601	6,182	6,877
Coal-tar medicinals.....do		100	108	70	130	113		242	253	257	277	209
Other finished coal-tar products.....do				23	42	104	1,709	40	39	63	83	241
B. Medicinal and pharmaceutical preparations												
Quinine sulphate.....1,000 oz	3,072	3,453	1,524	1,584	1,916	1,802	500	4,917	5,736	5,891	5,423	5,179
All other quinine and other alkaloids and salts from cinchona bark.....1,000 oz			1,427	1,345	1,232	844		1,436	694	655	735	644
Other alkaloids and salts of.....do								546	628	426	473	341
Menthol.....pounds	2,244	294	459	369	254			2,172	2,599	2,842	1,332	924
Antitoxins, serums, vaccines, etc., and blistering insects.....do								115	15	3	17	3
Other medicinals.....do								835	210	280	597	615
All other preparations, n. e. s.....do							11,610	1,232	1,490	1,589	2,152	2,389
C. Industrial chemicals												
Acids and anhydrides—												
Arsenic acid or white arsenic.....1,000 lbs		118,880	18,631	15,407	25,034	22,306		11,551	1,076	510	922	775
Citric.....do		1,751	637	138	117	64		206	162	86	53	25
Formic.....do		1,486	1,487	2,815	3,220	2,254		1,107	105	164	231	175
Oxalic.....do	7,789	2,185	2,590	1,567	1,844	890	7,390	159	118	71	99	46
Sulphuric (oil of vitriol).....do		125,047	36,338	55,937	34,869	26,328		1190	242	338	198	161
Tartaric.....do		1,3074	3,580	1,565	2,854	1,913		1,654	702	330	644	612
All other.....do			6,834	12,873	12,964	21,864		877	924	714	1,000	1,758
Alcohols, including fusel oil												
Ammonium compounds—												
Chloride of ammonia.....1,000 lbs	7,10,396	7,955	10,999	15,812	14,279	11,024	7,506	333	462	617	509	339
Nitrate.....do		111,512	10,872	8,344	11,218	13,172		1,683	542	383	451	336
All other.....do		1,2,319	2,036	1,161	1,769	1,439		1,104	91	65	72	74
Barium compounds.....do		114,039	20,112	24,477	14,649	14,877		1,317	298	314	239	226
Calcium carbide ¹.....do		35,120	14,241	21,845	4,451	2,527		1,289	515	847	167	92
Cobalt oxide.....do		1,283	287	333	370	364		1,500	546	632	704	693
Copper sulphate (blue vitriol).....do		2,2,336	1,805	2,559	1,979	3,612		128	93	117	89	172
Lime												
Chlorinated, or bleaching powder.....do	77,908	5,147	2,109	3,767	2,712	3,167	634	107	62	85	76	80
Citrate of.....do	4,654	4,916	3,431	3,371	166		647	635	343	339	17	
Glycerin												
Crude.....do	36,409	11,765	21,292	38,539	23,239	9,126	4,059	1,306	2,541	6,339	3,910	505
Refined.....do				27,659	14,971	4,916				3,996	2,218	356
Iodine, crude.....do				10,890	8,265	4,210				2,348	1,632	449
Magnesium compounds.....do		304	246	711	926	721	811	847	890	2,372	2,901	2,429
Potassium compounds.....do		24,425	24,348	29,997	21,054	17,811		205	213	293	212	200
Cyanide.....do	71,525	2,908	2,299	104	340	116	7,224	246	217	36	70	44
Carbonate.....do	20,191	8,530	7,895	11,523	13,192	16,912	634	368	345	534	619	769

¹ Average for years 1923-1925.⁷ Average for years 1912-1914.¹¹ Average for years 1911-1914.² Average for years 1924-25.⁶ Average for years 1922-1925.⁴ "Acetate, carbide, chloride crude, and nitrate" for 1921 and 1922 and "Acetate, crude, and chloride" for 1923.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUPS.—CHEMICALS AND RELATED PRODUCTS—CON.												
C. Industrial chemicals—Continued.												
Potassium compounds—Continued.												
Hydroxide (caustic potash) ¹²	8,397	12,065	12,257	12,969	14,762	11,648	394	675	784	771	916	686
Nitrate, crude, or saltpeter, tons of 2,240 lbs.....	3,820	4,336	8,396	9,416	4,309	9,674	253	274	448	527	228	376
Bitartrate, crude, argols, or wine lees.....												
1,000 lbs.....	23,058	20,054	24,066	25,570	24,906	12,890	2,647	1,436	1,690	1,791	2,289	1,331
do.....		² 932	338	259	291	159		¹ 108	48	37	57	32
Chlorate and perchlorate.....do.....		² 9,660	11,834	12,537	13,392	13,130		² 395	481	460	496	481
Other potassium compounds, n. e. s.....do.....	¹¹ 5,029	12,152	10,256	11,409	9,817	12,040	¹¹ 471	830	625	609	500	581
Sodium compounds—												
Cyanide.....do.....		22,802	30,212	31,804	32,599	37,577		1,982	2,600	2,558	2,608	2,930
Ferrocyanide (yellow prussiate).....do.....		¹ 1,979	1,637	815	1,787	1,825		¹ 190	115	55	143	136
Nitrite.....do.....		¹ 3,745	1,971	1,927	292	108		¹ 156	78	70	11	4
All other, n. e. s.....do.....							394	1,231	726	1,313	1,602	1,725
Radium salts.....do.....										549	394	599
All other industrial chemicals.....do.....							12,162	6,822	3,847	3,809	4,944	5,116
D. Pigments, paints, and varnishes.												
Mineral earth pigments—												
Iron oxide and iron hydroxide pigments.....				27,987	24,050	25,491				667	588	697
1,000 lbs.....do.....				20,846	20,872	21,499		¹ 230	275	390	445	435
Others and siennas.....do.....	¹ 20,273	20,139						1,323	535	451	594	508
Other.....do.....												
Chemical pigments—												
Lithopone and other zinc pigments.....		19,319	15,539	19,796	18,787	22,681		871	729	878	886	1,041
1,000 lbs.....do.....								¹ 393	735	856	514	561
All other.....do.....								1,428	519	742	680	565
Paints, stains, and enamels.....do.....	¹ 1,220	1,558	2,227	2,164	1,701	1,701		¹ 68	51	78	44	50
Varnishes.....do.....	124	19	38	26	29	29						
E. Fertilizers and materials, 1,000 tons of 2,240 lbs.												
Nitrogenous—												
Calcium cyanamid or lime nitrogen.....		1,609	2,268	2,083	1,819	2,585	40,727	56,865	78,072	69,239	58,842	78,118
tons of 2,240 lbs.....do.....												
Calcium nitrate.....do.....		59,990	97,954	88,373	109,330	135,727		3,049	4,689	4,193	4,337	4,685
do.....do.....		18,223	7,777	13,457	18,390	23,215		1,347	328	586	845	1,012
Sodium nitrate.....do.....	546,339	730,430	1,112,229	914,235	748,782	1,332,911	17,615	37,158	52,521	42,781	30,132	36,991
Ammonium sulphate nitrate.....do.....					44,659	83,913					2,631	4,763
Guano.....do.....	31,503	² 14,861	17,407	11,673	23,321	22,584	644	² 525	730	430	858	1,047
Dried blood.....do.....		² 7,279	10,189	11,412	11,993	9,511	371	² 415	588	707	696	667
Tankage.....do.....		² 25,888	30,060	24,568	23,672	43,461		² 847	1,018	1,009	900	1,286

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Sulphate of ammonia.....do	63,506	8,574	23,762	8,386	17,153	42,066	4,208	479	1,326	468	780	1,845
All other.....do		870,920	72,792	71,732	53,627	82,270		2,181	1,941	2,524	1,195	2,476
Phosphates—												
Bone phosphates.....do	736,217	31,470	24,981	46,716	54,586	82,459	7889	965	724	1,380	1,541	2,567
Other phosphate materials.....do		115,061	11,286	21,994	47,329	50,388		1199	190	282	561	501
Potash fertilizers—												
Chloride, crude (muriate of potash).....do	204,461	131,597	161,028	199,191	163,817	233,611	6,805	4,722	5,194	6,196	5,739	3,182
Sulphate, crude.....do		43,656	68,952	69,873	68,904	86,458	1,769	2,237	2,686	2,823	2,948	3,908
Kainite.....do		144,175	182,828	181,877	102,987	107,051		1,104	1,173	1,215	815	887
Manure salts.....do	715,012	222,683	384,232	316,440	277,993	404,680	114,353	2,315	3,677	3,391	3,677	5,251
Other potash-bearing substances.....do		134,295	23,597	48,333	9,403	10,756		1404	321	498	245	330
Fertilizers, compounded or chemically combined, containing nitrogen, phosphoric acid, and potash.....tons of 2,240 lbs												
All other fertilizers.....do		59,441	39,367	54,299	42,987	79,787	4,122					249
F. Explosives.....do							5,400	1,598	956	755	901	1,441
Azides, fulminates, dynamite, etc., and powder from country imposing duty.....do								740	918	1,104	1,165	1,093
Firecrackers.....do									1133	185	208	163
Fireworks and ammunition.....do									1746	851	795	835
									1101	68	163	95
G. Soaps and toilet preparations.....do							2,509	7,076	7,135	6,802	8,197	7,192
Soap—												
Castile.....1,000 lbs		1,938	1,824	2,021	2,396	3,403			234	230	246	367
Toilet.....do			1,089	1,219	1,653	2,012	793		538	385	409	570
All other.....do		2,793	2,580	3,094	1,976	1,705				306	319	198
Perfumery, bay rum, and toilet water.....do										2,092	2,188	2,002
Perfume materials.....do										3,358	2,799	4,329
Cosmetics, powders, creams, etc.....1,000 lbs			1,155	1,196	1,024	1,067	1,716	6,304		734	641	731
GROUP 9.—MISCELLANEOUS												
Total.....do							95,420	158,145	158,932	171,331	178,378	137,218
A. Photographic goods.....do							2,728	6,442	5,633	5,683	5,827	6,017
Cameras and parts.....do							44247	387	494	325	370	354
Sensitized films, not exposed.....1,000 lin. ft		230,069	288,341	291,683	278,013	261,755		4,356	3,732	3,800	3,709	3,638
Motion-picture films.....do												
Negatives.....do		2,391	1,990	1,740	2,283	2,576	1,231	766	327	306	315	309
Positives.....do		5,997	4,931	3,821	3,834	5,243			289	188	167	214
Other films and dry plates.....do								378	88	103	226	230
Photographic paper.....1,000 lbs		2,689	3,470	3,438	3,771	4,353	1,070	556	791	898	1,039	1,272
B. Scientific and professional instruments, apparatus, and supplies, n. e. s.....do							1,002	2,135	2,887	2,877	3,179	3,381
Optical goods—												
Opera and field glasses.....thousands				295	400	301					426	527
Other optical instruments and parts.....do							7665	1,377	1,752	1,113	1,229	1,153
Spectacles, eyeglasses, and parts.....do									124	108	139	193

¹ Average for years 1923-1925.

² Average for years 1924-25.

³ Average for years 1921 and 1924-25.

⁷ Average for years 1912-1914.

⁸ Average for years 1922-1925.

¹¹ Average for years 1911-1914.

⁴² "Hydrate" prior to Sept. 22, 1922.

⁴³ All paints, colors, and varnishes, except zinc pigments prior to Sept. 22, 1922.

⁴⁴ Oct. 4, 1913, to June 30, 1914.

No. 538.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

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Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1921-1925	1925	1926	1927	1928	1910-1914	1921-1925	1925	1926	1927	1928
GROUP 9. MISCELLANEOUS—Continued												
B. Scientific and professional instruments, etc.—Continued.												
Optical goods—Continued												
Dental and surgical instruments								1 480	410	464	564	639
Philosophical and scientific instruments, etc.							603	469	592	705	778	889
C. Musical instruments												
Pianos and organs							1, 748	3, 788	4, 226	5, 197	4, 797	4, 818
Phonograph and similar articles and parts								1 205	269	305	271	227
Band instruments and violins							58	533	304	641	650	499
Other instruments and accessories								1 657	538	573	603	769
							1, 690	2, 739	2, 955	3, 679	3, 273	2, 823
E. Toys and athletic goods												
Toys							8, 074	8, 081	6, 179	6, 795	6, 883	6, 449
Dolls and parts												
Other toys								1, 323	761	786	989	970
Dice, dominoes, chips, etc.							7, 893	5, 143	3, 297	3, 611	3, 598	3, 288
Athletic and sporting goods—							56	1 124	82	85	101	114
Fishing rods, reels, hooks, bait, etc.												
Golf balls—thousands							11 156	456	359	356	388	407
Other balls for games—do.		1 8, 733	2, 806	3, 362	3, 060	2, 643		1, 166	1, 377	1, 284	1, 043	
Other athletic sporting goods			893	905	768	962		139	109	100	111	
								5 369	382	471	462	516
F. Firearms												
								5 648	547	540	459	550
G. Books and other printed matter												
Books and pamphlets in foreign languages							9, 247	9, 408	13, 878	14, 422	13, 161	14, 423
Books, maps, music, etc., 20 years old									1, 795	2, 138	1, 648	1, 665
Other books, etc. (free)								3, 460	2, 769	2, 453	3, 876	3, 876
Books, pamphlets, and music, n. e. s.							6, 398	8, 019	2, 470	3, 152	2, 208	2, 163
Maps, charts, and other printed matter, n. e. s.									2, 819	3, 764	4, 058	3, 869
Lithographic prints—									893	571	782	787
Cigar bands, labels, and flaps—1,000 lbs.												
Decalcomanias—do.		828	162	168	239	206			147	190	273	254
All other			301	428	369	464	2, 209	612	458	607	513	612
							640	776	1, 333	1, 231	1, 226	1, 237
H. Clocks, watches, etc.												
Chronometers, clocks, and parts							3, 317	11, 807	12, 859	14, 985	15, 625	18, 244
Watches and watch movements—thousands							794	833	786	1, 044	1, 163	1, 266
Cases, dials, and parts of watches, n. e. s.		2, 063	2, 499	3, 958	4, 581	3, 682	2, 496	6, 444	7, 270	10, 417	11, 330	9, 266
Jewels for watches, clocks, meters, or compasses								5, 480	3, 061	1, 415	1, 589	1, 592
Recorders, meters, regulators, and similar instruments, and parts, n. s. p. f.								1 1, 452	1, 471	1, 783	1, 244	618
								1 189	272	327	300	502

FOREIGN COMMERCE

I. Art works							35,045	31,223	48,874	58,464	80,421	65,754	
The production of American artists							719	218	256	195	371	163	
Original paintings, statuary, etc.								6,787	8,331	8,225	11,827	15,345	
Statuary, regalia, etc., for religious or educational purposes							348	838	1,213	1,563	1,669	1,514	
Works of art 100 years old							⁴⁵ 31,456	22,324	36,091	41,494	44,799	46,914	
Works of art for exhibition, presentation to public institutions, etc.							1,400	709	571	1,441	1,061	1,136	
All other art works							1,338	347	413	544	694	682	
J. Miscellaneous articles, n. e. s.							54,259	80,004	66,345	67,367	68,026	73,086	
Buttons—													
Pearl or shell	1,000 gross		970	1,111	805	1,049				405	511	375	489
Agate, horn, and glass	do		3,953	3,715	3,950	4,025	1,400	1,411	708	660	759	692	
All other									886	461	280	193	
Matches—													
In boxes containing not more than 100 matches	1,000 gross		5,945	5,852	6,102	5,564	617	1,963	2,217	2,123	2,167	2,090	
All other									61	39	50	25	
Beads and bead ornaments—													
Imitation pearl beads													
Other beads							1,673	9,459	2,419	1,086	2,087	1,449	
Fabrics and articles, chief value beads									2,188	1,183	1,273	3,292	
Pipes and smokers' articles							⁴⁶ 1,051	1,367	2,629	2,025	862	492	
Brushes—									1,695	2,136	2,213	1,366	
Tooth	1,000 doz.			837	1,031	651	986			432	494	325	522
Other toilet	do		4,190	323	553	438	467	2,062	2,188	332	601	487	529
Other brushes	do			2,074	2,770	3,651	4,325			710	985	689	572
Pyroxylin products, celluloid, pyralin, etc.							304	1,217	1,792	2,864	2,715	2,755	
Pencils, crayons, leads, etc.							557	529	672	684	707	857	
Pens and penholders							73	331	396	441	321	342	
All other dutiable articles							1,740	4,930	5,476	5,762	6,896	7,747	
Household and personal effects, etc., of persons arriving in the United States							5,019	9,173	8,836	8,244	7,968	7,025	
Articles, imported under bond, for export within 6 months								3,837	4,836	5,203	5,192	5,349	
Articles the growth, produce, or manufacture of the United States, returned—													
Automobiles	number	¹¹ 543	¹² 1,409	207	188	181	263	¹¹ 1,450	2,524	304	276	286	286
Containers	thousands			7,521	3,879	3,276	2,770	17,338	37,746	5,091	4,995	5,087	4,833
All other									21,752	24,443	23,438	29,048	
Articles imported under special provisions, n. e. s.								373	979	1,536	539	1,034	1,074
Product of the Philippine Islands, n. e. s.								12	15	10	19	30	20
Product of the Virgin Islands, n. e. s.									5	4	1	15	6
Product of Cuba, n. e. s.									2		3	(²³) 1	1
All other free articles							873	2,277	1,160	1,589	2,744	2,032	

¹ Average for years 1923-1925.

² Average for years 1924-25.

³ Average for years 1921 and 1924-25.

⁴ Average for years 1922-1925.

¹¹ Average for years 1911-1914.

¹² Less than 500.

⁴⁵ Prior to Oct. 4, 1913, limited to those at least 20 years old.

⁴⁶ Includes "cigarette books, covers, and paper" for years 1910-1912.

No. 539.—REEXPORTS OF FOREIGN MERCHANDISE

NOTE.—Values expressed in thousands of dollars. Group totals are for all items in the group, only the most important of which are listed. For weights of the bushel and barrel see appendix, p. 860. Tons are of 2,240 pounds

Group	1923	1924	1925	1926	1927	1928
Total value.....	76, 778	93, 335	91, 125	99, 939	106, 512	98, 258
Group 00.—Animals and animal products, edible.....	1, 537	2, 203	2, 865	2, 284	1, 800	2, 150
Group 0.—Animals and animal products, inedible.....	10, 821	12, 343	16, 901	10, 765	14, 502	17, 129
Group 1.—Vegetable food products and beverages.....	17, 721	21, 903	20, 693	20, 693	19, 817	20, 184
Group 2.—Other vegetable products, except fibers and wood.....	12, 514	14, 213	25, 980	27, 820	30, 571	25, 249
Group 3.—Textiles.....	24, 683	32, 842	21, 978	24, 202	25, 656	19, 780
Group 4.—Wood and paper.....	749	751	594	623	729	896
Group 5.—Nonmetallic minerals.....	1, 276	622	488	1, 691	728	712
Group 6.—Metals, and manufactures of, except machinery and vehicles.....	1, 329	1, 967	1, 810	2, 934	3, 161	2, 933
Group 7.—Machinery and vehicles.....	407	487	505	422	528	598
Group 8.—Chemicals and related products.....	1, 612	1, 737	1, 335	1, 381	1, 703	1, 976
Group 9.—Miscellaneous.....	4, 129	4, 206	4, 570	5, 561	7, 108	6, 651

Article	1923		Article	1928				
	Quantity	Value		Quantity	Value			
GROUP 00								
Butter..... M pounds.....	457	154	Rubber, crude..... M pounds.....	72, 036	18, 129			
Cheese..... do.....	217	71	Balata..... do.....	346	122			
Fish (total)..... do.....	11, 427	1, 147	Gums (total)..... do.....	4, 720	1, 418			
Herring..... do.....	2, 793	161	Shellac..... do.....	1, 396	616			
Cod, haddock, hake, and pollock..... M pounds.....	5, 508	480	Damar, kauri, and copal..... do.....	1, 899	129			
Eggs, frozen, dried, etc..... do.....	991	246	Vegetable drugs..... do.....	1, 157	439			
Sausage casings..... do.....	160	172	Copra..... do.....	4, 972	273			
GROUP 0								
Hides and skins, except fur skins (total)..... M pounds.....	26, 366	8, 629	Oils expressed (total)..... do.....	18, 015	1, 947			
Cattle hides..... do.....	24, 515	6, 743	Chinese wood oil..... do.....	6, 186	839			
Calfskins..... do.....	1, 991	694	Coconut oil..... do.....	6, 531	550			
Goatskins..... do.....	562	207	Palm and palm-kernel oil..... do.....	3, 389	278			
Sheepskins..... do.....	1, 036	417	Vegetable wax..... do.....	663	174			
Leather..... do.....		708	Essential oils..... do.....	170	232			
Furs:			Dyeing and tanning materials of vegetable origin..... M pounds.....	448	111			
Undressed..... thousands.....	3, 977	5, 640	Seeds except oil seeds..... do.....	1, 015	97			
Dressed..... do.....	277	844	Tobacco (total)..... do.....	2, 561	1, 930			
Horses..... number.....	43	63	Cigar wrapper leaf..... do.....	213	277			
Bristles..... M pounds.....	323	464	Other leaf..... do.....	2, 179	1, 464			
Shells, unmanufactured..... do.....	768	154	Vegetable ivory (tagua nuts)..... do.....	3, 062	120			
Sponges..... do.....	157	127	GROUP 3					
GROUP 1								
Grains and preparations of (total)..... do.....		613	Cotton (total)..... do.....		3, 176			
Corn..... M bushels.....	2	1	Unmanufactured..... M pounds.....	3, 763	2, 391			
Rice, cleaned..... M pounds.....	9, 933	355	Cloth..... M sq. yds.....	302	59			
Wheat..... M bushels.....	46	70	Wearing apparel..... do.....		209			
Wheat flour..... M barrels.....	5	41	Burlaps..... M pounds.....	618	92			
Vegetables (total)..... do.....		3, 383	Jute bags..... do.....	3, 230	286			
Beans..... M bushels.....	230	685	Hemp..... tons.....	2, 120	433			
Peas..... do.....	612	2, 313	Manufactures of flax, hemp, or ramie..... do.....		282			
Fruits (total)..... do.....		7, 577	Manila, or abaca..... tons.....	1, 804	408			
Bananas..... M bunches.....	3, 515	5, 718	Sisal and henequen..... do.....	24, 772	4, 167			
Pineapples..... M boxes.....	90	301	Kapok..... do.....	233	106			
Dates..... M pounds.....	3, 163	292	Hat braid of straw or fiber..... M yds.....	31, 502	127			
Nuts (total)..... do.....		472	Hats of straw, palm leaf, or other fiber..... thousands.....	1, 185	333			
Cream and Brazil..... M pounds.....	675	77	Wool (total)..... M pounds.....	4, 614	1, 998			
Walnuts..... do.....	575	90	Carpet wool..... do.....	532	162			
Peanuts..... do.....	3, 456	175	Clothing wool..... do.....	424	196			
Cacao beans..... do.....	19, 516	2, 668	Combing wool..... do.....	3, 479	1, 554			
Coffee..... do.....	9, 735	2, 408	Mohair, alpaca, etc..... do.....	179	86			
Tea..... do.....	401	196	Wool manufactures (total)..... do.....		1, 005			
Spices (total)..... do.....		4, 543	Wool rags, noils, waste..... M pounds.....	536	116			
Nutmegs..... do.....	217	59	Wool cloths and dress goods..... M pounds.....	192	247			
Pepper..... do.....	1, 827	566	Wool carpets and rugs..... M sq. yds.....	37	431			
Vanilla beans..... do.....	46	88						
Sugar..... do.....	43, 488	1, 347						

No. 539.—REEXPORTS OF FOREIGN MERCHANDISE—Continued

[Values expressed in thousands of dollars]

Article	1928		Article	1928	
	Quantity	Value		Quantity	Value
GROUP 3—Continued			GROUP 6—Continued		
Hair and manufactures...M pounds..	236	101	Tin in bars, blocks, or pigs		
Silk (total).....		6,535	.....M pounds.....	2,840	1,458
Silk, raw.....M pounds.....	1,082	5,405	GROUP 7		
Spun silk.....do.....	37	211	Electrical machinery and apparatus.....		100
Silk fabrics (broad silk).....do.....	80	460	Textile machinery and parts.....	215	65
Silk wearing apparel.....do.....	18	324	Other machinery, except agricultural.....		241
Artificial silk and manufactures.....		340	Automobiles and chassis.....number.....	88	70
GROUP 4			GROUP 8		
Wood (total).....		525	Chemicals (total).....		554
Cabinet wood logs.....M feet.....	1	124	Coal-tar colors or dyes.....	155	196
Paper.....M pounds.....	305	208	Medicinal and pharmaceutical preparations.....		111
GROUP 5			Nitrate of soda.....M tons.....	18	895
Petroleum and products.....			GROUP 9		
.....M barrels.....	16	79	Photographic goods.....M lin. feet.....	781	36
Mineral wax.....M pounds.....	1,180	61	Art works, paintings, and statuary.....		6,050
Asbestos, unmanufactured.....ton.....	1,181	165			
Mica and manufactures of.....					
.....M pounds.....	10	14			
Clay and clay products.....		67			
GROUP 6					
Iron and steel.....		387			
Copper ingots, bars, etc.M pounds.....	2,991	441			
Lead pigs, bars, and old.....do.....	2,973	140			

No. 540.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: By TARIFF SCHEDULES

NOTE.—All figures except percentages in thousands of dollars. Figures cover fiscal years to and including 1918, calendar thereanfer. Per cents represent the average ad valorem rate or ratio of duties to values of dutiable merchandise

Year	Schedule A.—Chemicals, oils, and paints			Schedule B.—Earths, earthenware, and glassware			Schedule C.—Metals, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1903.....	31,260	8,081	28.74	25,735	13,320	51.76	65,165	22,368	34.33
1904.....	30,809	8,814	28.61	24,704	13,163	53.28	40,011	15,682	39.20
1905.....	31,011	8,845	28.52	23,120	12,194	52.73	38,327	14,449	37.70
1906.....	33,482	9,065	28.87	20,500	13,749	67.01	50,017	18,770	37.56
1907.....	40,246	11,124	27.64	31,300	15,350	49.03	67,140	21,882	32.60
1908.....	39,127	10,530	26.91	20,224	13,251	65.53	45,280	16,004	35.34
1909.....	42,037	11,218	26.70	21,148	10,642	50.32	41,103	15,656	38.09
1910.....	42,022	11,072	26.41	24,774	12,408	50.33	60,001	22,333	37.23
1911.....	48,869	12,564	25.71	24,495	12,669	51.72	58,757	18,869	32.11
1912.....	47,230	12,240	25.91	21,004	11,150	53.07	50,492	17,346	34.35
1913.....	49,387	13,017	26.36	23,002	11,885	51.67	64,300	20,514	31.90
1914.....	60,314	13,100	21.72	25,222	10,187	40.39	50,743	12,190	24.02
1915.....	54,098	11,222	20.74	18,142	6,805	37.51	31,836	6,990	21.96
1916.....	52,806	9,309	17.63	13,024	4,877	37.41	33,245	6,309	18.98
1917.....	65,614	12,050	18.37	13,531	4,614	34.10	33,014	7,038	21.32
1918.....	65,762	10,507	15.98	13,444	4,707	35.01	38,227	6,813	17.83
1918 (6 months).....	27,216	4,308	15.83	5,783	2,066	35.71	16,622	3,451	20.76
1919.....	108,151	13,922	12.87	14,933	5,005	33.55	43,186	8,072	18.69
1920.....	120,319	15,335	12.75	30,257	9,241	30.54	83,337	16,677	20.01
1921.....	94,753	14,144	14.82	28,591	9,804	34.50	62,793	13,672	21.77
1922.....	88,471	22,102	24.98	40,526	14,001	34.56	82,105	20,468	24.93
1923.....	90,123	20,080	22.29	60,182	23,520	39.09	103,307	35,013	33.89
1924.....	77,015	24,492	31.80	54,481	22,098	40.56	96,768	36,240	37.45
1925.....	93,746	27,465	29.30	50,301	24,529	48.76	113,684	38,961	34.27
1926.....	98,328	28,081	28.56	61,089	28,008	45.84	147,010	48,528	33.01
1927.....	98,312	27,907	28.48	63,200	28,217	44.63	135,403	47,179	34.84
1928.....	92,633	28,011	30.24	53,321	25,865	48.51	131,921	46,251	35.00

No. 540.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION:
BY TARIFF SCHEDULES—Continued

[All figures except percentages in thousands of dollars

Year	Schedule D.—Wood, and manufactures of			Schedule E.—Sugar, molasses, and manu- factures of			Schedule F.—Tobacco, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1903.....	16,659	2,815	16.90	65,959	63,626	96.46	18,299	21,892	119.63
1904.....	14,450	2,464	17.05	77,898	58,152	74.65	17,876	21,179	118.46
1905.....	16,708	2,750	16.46	91,677	51,442	56.17	20,725	22,690	109.48
1906.....	22,761	3,660	16.04	66,133	52,640	61.12	22,917	23,028	104.41
1907.....	24,472	3,701	15.12	92,784	60,339	65.03	29,959	26,125	87.20
1908.....	23,350	3,301	14.14	83,627	50,168	59.99	26,405	22,100	83.64
1909.....	23,285	3,141	13.46	93,479	56,414	60.35	27,332	23,269	85.14
1910.....	27,489	3,185	11.59	101,687	53,105	52.28	29,581	24,124	81.65
1911.....	24,710	2,960	11.98	97,877	52,809	53.95	26,788	26,160	97.82
1912.....	24,415	3,043	12.46	105,745	50,951	48.18	31,116	25,672	82.18
1913.....	27,861	3,493	12.24	91,448	53,482	58.48	32,438	26,748	82.46
1914.....	12,182	1,619	13.29	108,265	61,870	57.15	32,332	29,892	93.17
1915.....	4,487	798	18.00	157,671	46,008	31.48	26,499	24,875	94.33
1916.....	4,583	660	14.40	205,512	55,876	27.19	30,195	27,581	91.34
1917.....	5,207	756	14.52	243,354	55,471	22.79	37,309	29,837	79.99
1918.....	4,412	696	14.41	246,380	49,093	20.42	31,993	21,961	68.76
1918 (6 months).....	1,675	218	12.99	87,180	18,250	20.93	20,369	12,270	60.42
1919.....	6,090	852	13.99	387,283	68,099	17.72	51,609	27,593	53.41
1920.....	13,367	1,979	14.81	926,467	79,536	8.58	63,816	33,695	52.80
1921.....	9,394	1,549	16.63	233,451	71,325	30.55	66,014	35,950	53.97
1922.....	13,174	2,373	18.02	232,941	147,909	63.52	62,415	31,789	50.93
1923.....	18,290	4,001	21.95	353,873	128,094	36.19	64,881	36,831	56.22
1924.....	18,115	4,161	22.97	337,862	135,906	40.23	67,530	33,941	50.26
1925.....	18,570	4,104	22.42	221,347	139,103	62.84	69,943	35,428	50.65
1926.....	18,004	4,307	23.92	205,659	140,691	71.28	70,789	38,076	53.79
1927.....	19,879	4,535	22.81	222,703	131,199	58.91	68,632	40,016	58.31
1928.....	16,917	4,191	24.77	174,760	118,872	67.85	62,319	39,315	63.09
Year	Schedule G.—Agricul- tural products and provisions ¹			Schedule H.—Spirits, wines, and other bev- erages			Schedule I.—Cotton manufactures		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1903.....	46,221	16,282	35.23	10,785	11,047	99.39	25,332	11,944	47.15
1904.....	40,014	16,891	34.46	17,120	12,100	70.71	23,442	11,035	47.07
1905.....	47,570	15,418	32.41	17,912	12,548	70.05	22,027	10,409	47.26
1906.....	53,860	18,127	33.65	19,069	14,010	71.22	26,056	12,293	46.12
1907.....	63,721	19,204	30.14	23,083	16,318	70.69	31,857	14,285	44.84
1908.....	69,610	21,619	31.06	21,420	15,213	71.02	31,577	13,873	43.95
1909.....	71,719	23,633	32.95	23,382	16,144	69.06	26,228	11,606	44.48
1910.....	84,873	25,161	29.64	25,316	18,114	71.55	28,311	13,619	48.11
1911.....	105,974	28,744	27.12	20,355	17,299	84.99	26,204	12,326	47.04
1912.....	117,711	34,146	29.01	20,731	17,410	83.98	24,358	11,085	45.61
1913.....	99,708	27,755	27.81	22,872	19,476	87.05	25,057	11,062	44.14
1914.....	122,305	24,817	20.29	21,764	19,075	90.40	32,529	9,260	28.47
1915.....	87,673	18,086	20.57	14,393	13,405	93.14	24,065	6,442	26.81
1916.....	94,635	16,164	17.08	17,330	15,551	89.73	24,245	5,999	24.62
1917.....	132,718	17,916	13.50	18,612	13,680	73.00	36,417	8,260	22.68
1918.....	125,360	14,595	11.64	10,663	7,038	66.03	30,947	6,872	22.21
1918 (6 months).....	49,322	5,547	11.25	3,109	1,628	52.36	13,622	3,106	22.80
1919.....	161,168	15,893	9.86	2,338	1,194	51.08	33,220	7,716	23.23
1920.....	253,569	24,521	9.70	2,548	1,517	45.52	39,275	21,185	53.79
1921.....	156,497	26,206	16.75	3,497	1,615	47.37	58,414	15,242	26.04
1922.....	199,479	42,505	21.31	2,657	1,111	41.83	73,335	20,917	27.84
1923.....	236,976	61,578	25.98	1,371	613	44.67	68,207	21,626	32.18
1924.....	235,198	60,093	25.55	1,065	431	40.47	59,981	18,083	30.16
1925.....	259,917	60,568	23.30	1,161	492	42.38	49,999	15,847	30.99
1926.....	270,063	64,373	23.84	1,150	450	39.13	39,842	13,666	34.30
1927.....	284,253	64,072	22.54	1,350	465	34.44	40,461	14,501	35.99
1928.....	282,375	61,140	22.71	1,846	483	35.88	42,456	15,681	36.93

¹ Potatoes, dutiable under paragraph 581, and wheat and products, dutiable under paragraph 644, tariff act of 1913, are included, beginning with 1914.

No. 540.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: BY TARIFF SCHEDULES—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule J.—Flax, hemp, and jute, and manufactures of ¹			Schedule K.—Wool, and manufactures of			Schedule L.—Silks and silk goods		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1903.....	71,268	33,191	46.55	40,500	29,196	71.98	36,048	19,277	53.47
1904.....	71,460	32,898	46.04	39,963	27,252	68.19	31,483	16,610	52.76
1905.....	73,284	33,769	46.08	53,465	33,078	61.87	31,823	17,010	53.45
1906.....	92,055	41,777	45.38	63,265	37,969	60.02	32,592	17,351	53.24
1907.....	114,124	49,801	43.72	62,832	36,561	58.19	38,817	20,314	52.33
1908.....	96,177	41,922	43.59	45,822	28,845	62.95	31,755	16,493	51.94
1909.....	91,210	42,145	46.21	52,814	33,365	63.17	31,001	16,284	52.53
1910.....	106,375	49,735	46.75	70,745	41,905	59.23	32,200	17,024	52.71
1911.....	99,402	47,053	47.34	48,395	28,963	59.89	30,994	16,053	51.80
1912.....	108,698	49,062	45.14	48,301	27,072	55.98	26,572	13,695	51.54
1913.....	116,787	48,912	41.95	45,336	26,833	59.98	29,224	14,812	50.68
1914.....	66,471	19,913	35.26	39,265	16,967	43.19	34,040	15,377	45.17
1915.....	39,051	8,795	29.27	30,438	9,912	32.56	23,098	9,810	42.47
1916.....	30,944	8,619	27.85	18,353	6,129	33.39	28,305	11,928	42.14
1917.....	29,130	8,200	28.19	21,184	7,081	33.43	35,124	14,655	41.72
1918.....	26,587	7,200	27.08	27,048	8,056	33.11	24,474	10,067	41.13
1918 (6 months).....	11,873	2,682	24.67	9,827	2,962	30.14	10,740	4,308	40.07
1919.....	27,187	6,558	24.10	18,123	5,695	31.42	40,984	20,276	40.81
1920.....	52,926	13,362	25.25	49,800	16,720	33.57	55,793	21,773	39.02
1921.....	39,828	10,118	27.47	52,410	18,307	34.93	45,055	18,576	41.23
1922.....	53,505	15,989	29.19	79,960	48,226	60.31	36,053	16,822	45.35
1923.....	121,126	24,632	20.34	102,016	91,466	56.45	40,794	21,692	53.18
1924.....	117,216	26,121	22.28	123,904	62,582	50.51	33,234	17,629	53.05
1925.....	143,723	25,684	17.87	162,468	71,019	48.71	40,304	21,388	53.07
1926.....	145,168	26,737	18.42	148,187	73,065	49.91	44,138	24,074	54.54
1927.....	126,521	26,825	20.90	127,707	67,210	52.64	51,203	28,815	56.18
1928.....	135,769	25,088	18.48	115,181	57,172	49.64	48,789	27,810	57.06
	Schedule M.—Pulp, papers and books			Schedule N.—Sundries ²			Ten		
1903.....	9,908	2,221	22.28	98,423	20,843	21.18	3,028	2,178	71.93
1904.....	10,771	2,379	22.00	78,681	18,707	23.65	.....	.....	.....
1905.....	11,975	2,520	21.00	92,513	20,771	22.45	.....	.....	.....
1906.....	14,174	3,021	21.31	119,040	26,601	22.23	.....	.....	.....
1907.....	20,005	4,136	20.67	133,093	29,892	22.45	.....	.....	.....
1908.....	22,335	4,415	19.75	94,016	24,475	25.87	.....	.....	.....
1909.....	22,765	4,413	19.39	113,862	26,387	23.17	.....	.....	.....
1910.....	24,833	5,265	21.28	120,594	29,134	24.16	.....	.....	.....
1911.....	26,111	5,045	21.62	109,050	27,448	25.17	.....	.....	.....
1912.....	22,528	4,887	21.41	108,953	26,932	24.72	.....	.....	.....
1913.....	24,850	5,091	20.45	128,018	30,750	24.03	.....	.....	.....
1914.....	13,969	3,114	22.25	144,588	48,530	33.57	.....	.....	.....
1915.....	9,388	1,989	21.19	100,817	37,160	36.86	.....	.....	.....
1916.....	6,491	1,258	19.38	123,485	39,496	31.96	.....	.....	.....
1917.....	8,036	1,682	20.92	134,558	40,286	29.94	.....	.....	.....
1918.....	6,368	1,185	18.60	106,803	30,668	28.62	.....	.....	.....
1918 (6 months).....	2,759	460	16.67	44,035	12,653	28.73	.....	.....	.....
1919.....	6,797	1,106	16.27	206,447	54,433	26.37	.....	.....	.....
1920.....	10,488	1,749	16.68	233,008	65,704	29.37	.....	.....	.....
1921.....	8,902	1,672	18.78	165,192	54,222	32.82	.....	.....	.....
1922.....	12,806	2,776	21.67	197,513	65,370	33.09	.....	.....	.....
1923.....	19,217	4,667	24.29	226,319	86,047	38.20	.....	.....	.....
1924.....	18,729	4,813	25.70	215,846	89,695	40.17	.....	.....	.....
1925.....	18,682	4,416	23.60	217,279	83,288	38.33	.....	.....	.....
1926.....	21,463	5,241	24.42	229,078	86,448	37.74	.....	.....	.....
1927.....	22,198	5,417	24.47	226,117	88,624	39.19	.....	.....	.....
1928.....	25,910	7,881	30.42	215,657	81,810	37.94	.....	.....	.....

¹ Laces, embroideries, etc., included in Schedule J prior to 1914 are, under the law of Oct. 3, 1913, included in Schedule N, beginning 1914.

23.—COMMERCE OF NONCONTIGUOUS TERRITORIES

GENERAL NOTE.—In the general foreign-trade statistics of the United States presented in the preceding section, the Philippines and Virgin Islands are treated as foreign countries and their trade with the United States is included while their trade with other countries is not included. On the other hand, Porto Rico, Hawaii, and Alaska are treated as integral parts of the United States, so that trade between them and continental United States is not included, while trade between them and foreign countries is included; each of these three possessions appears as a separate customs district (Table 531). Neither trade of American Samoa and Guam with foreign countries nor shipments between them and United States are included in the general tables on foreign trade. See also Table 502, p. 462.

In the present section the trade of each of these possessions with the United States (including other non-contiguous possessions except the Philippines and Virgin Islands) is shown, and separately its trade with foreign countries (including the Philippines and Virgin Islands).

No. 541.—IMPORTS AND EXPORTS OF ALASKA

NOTE.—In 1928 Alaska shipped \$282,046 worth of domestic silver to the United States

Yearly average or year ended—	Merchandise imports			Merchandise exports			Shipments domestic gold to United States
	From United States ¹	From other countries	Total	To United States	To other countries	Total	
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
June 30:							
1882-1885....	680,250	9,198	689,448	24,956		24,956	
1886-1890....	1,455,000	23,697	1,478,697	8,748		8,748	
1891-1895....	2,422,000	42,530	2,464,530	15,526		15,526	
1896-1900....	0,843,000	185,132	1,028,132	135,069		135,069	
1901.....	13,457,000	567,992	14,024,992	2,534,318		2,534,318	
1902.....		511,830	511,830	2,012,021		2,012,021	
1903.....	0,509,701	477,403	987,104	10,223,609	1,612,128	11,840,697	
1904.....	10,165,110	607,355	10,772,465	10,165,140	1,565,690	11,730,830	6,347,742
1905.....	11,504,255	1,450,910	12,955,165	10,801,446	1,088,165	11,889,611	9,060,023
1906.....	14,869,827	845,291	15,715,118	9,272,337	1,377,398	10,649,735	12,638,698
1907.....	18,402,765	1,134,191	19,536,956	12,155,198	1,480,686	13,644,884	18,504,228
1908.....	16,577,903	770,974	17,354,877	10,967,777	1,857,905	12,825,682	11,490,777
1909.....	17,702,000	647,331	18,400,931	13,110,910	661,101	14,072,011	17,782,498
1910.....	18,670,339	619,348	19,289,687	12,440,380	1,168,014	13,608,394	18,393,128
1911.....	16,205,730	706,171	16,911,901	14,055,329	1,136,745	15,192,074	15,153,671
1912.....	19,417,227	593,503	19,980,730	21,773,064	1,010,072	22,783,136	17,250,019
1913.....	20,827,262	982,271	21,809,533	24,034,987	1,477,001	25,511,978	14,576,015
1914.....	22,461,723	567,399	23,029,122	21,817,408	1,124,230	22,941,647	12,291,672
1915.....	21,260,042	640,886	21,900,928	27,442,335	1,001,330	28,443,724	15,348,666
1916.....	27,086,288	1,066,612	28,152,900	49,468,186	1,426,362	50,894,548	16,193,635
1917.....	38,992,049	1,469,524	40,461,573	60,773,850	2,474,894	63,248,763	15,400,529
1918.....	44,280,075	987,532	45,247,607	71,595,414	2,462,470	74,057,884	12,416,660
Dec. 31:							
1918 (6 mos.)	11,678,122	863,515	12,541,637	62,992,202	763,285	63,755,487	6,671,848
1919.....	37,476,232	1,449,362	38,925,594	60,479,548	1,542,249	62,021,797	8,015,005
1920.....	36,876,855	1,612,118	38,388,973	60,939,001	1,530,035	62,469,036	6,543,313
1921.....	19,274,215	935,013	20,209,238	30,916,924	1,445,042	32,361,966	6,543,430
1922.....	26,777,806	870,927	27,648,733	51,082,995	1,371,490	52,454,485	6,640,978
1923.....	30,631,366	514,466	31,145,832	53,761,494	1,325,773	55,087,267	5,931,896
1924.....	32,046,273	529,618	32,575,891	54,674,168	1,351,380	56,025,548	4,602,740
1925.....	32,352,530	846,981	33,199,511	56,018,746	901,543	57,920,289	5,219,542
1926.....	31,587,337	543,083	32,131,020	73,300,506	521,851	73,822,687	5,743,076
1927.....	35,094,108	766,392	36,370,410	51,348,688	483,979	51,807,629	5,394,107
1928.....	32,538,976	559,262	33,018,238	67,687,207	619,065	68,206,272	6,634,249

¹ Unofficial estimates of the value of merchandise shipped from Pacific coast ports to Alaska from 1882 to 1901; from 1903 to date, official figures of shipments to Alaska.

Source: Bureau of Foreign and Domestic Commerce.

No. 542.—IMPORTS AND EXPORTS OF PORTO RICO

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901.....	6,965,408	1,052,728	8,018,136	5,041,137	3,002,679	8,043,816
1902.....	10,882,653	2,326,057	13,209,010	8,378,700	4,055,190	12,433,896
1903.....	12,246,845	2,203,441	14,449,286	11,061,195	4,037,884	15,089,079
1904.....	11,210,000	1,058,069	13,169,029	11,722,826	4,543,077	16,265,903
1905.....	13,974,070	2,562,189	16,536,259	15,633,145	3,076,420	18,709,565
1906.....	19,224,881	2,002,784	21,827,065	19,142,401	4,116,060	23,257,530
1907.....	25,686,285	3,680,887	29,207,172	22,070,133	4,926,167	26,996,300
1908.....	22,677,376	3,148,289	25,825,665	25,891,261	4,753,209	30,644,470
1909.....	23,618,545	2,025,781	26,544,326	26,304,312	3,906,913	30,301,225
1910.....	27,097,654	3,537,201	30,634,855	32,005,897	5,804,617	37,860,514
1911.....	34,671,058	4,115,039	38,786,997	34,705,409	5,152,958	39,858,367
1912.....	38,470,968	4,501,028	42,972,891	42,873,401	6,832,012	49,705,413
1913.....	33,155,005	3,745,057	36,900,062	40,538,623	8,564,942	49,103,565
1914.....	32,508,398	3,838,419	36,400,787	34,423,180	8,079,582	43,102,762
1915.....	30,929,831	2,054,465	33,884,296	42,311,020	7,044,987	49,356,007
1916.....	35,892,515	3,058,400	38,950,915	40,052,758	5,634,937	66,587,695
1917.....	49,639,249	4,005,975	53,545,224	73,115,224	7,856,980	80,970,904
1918.....	58,945,758	4,443,524	63,389,282	65,515,050	8,753,450	74,269,100
Dec. 31:						
1918 (6 months).....	25,068,096	1,706,210	27,404,315	31,333,827	3,733,065	35,066,892
1910.....	67,799,541	5,261,052	73,000,593	78,320,180	11,075,625	89,395,805
1920.....	121,651,574	7,512,404	129,073,978	138,322,083	16,346,697	174,668,780
1921.....	60,977,112	7,877,251	68,354,363	71,987,716	6,753,990	78,741,706
1922.....	57,968,112	6,849,098	64,817,210	60,105,155	5,012,292	65,117,447
1923.....	70,919,616	7,547,504	84,407,120	80,303,272	5,768,723	86,071,995
1924.....	78,412,008	9,337,444	87,749,447	77,397,748	7,397,702	84,795,450
1925.....	77,490,807	11,020,875	89,120,682	62,070,754	7,053,295	69,738,460
1926.....	84,737,637	12,064,064	97,401,001	90,100,856	7,579,504	97,748,450
1927.....	80,326,746	11,264,888	97,594,286	96,902,024	7,567,741	104,459,765
1928.....	81,981,460	13,325,628	95,307,088	97,208,703	6,338,039	103,006,802

No. 543.—IMPORTS AND EXPORTS OF HAWAII

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901.....	(1)	2,835,278	(1)	27,993,058	120,211	28,023,269
1902.....	(1)	3,036,583	(1)	24,730,060	63,547	24,793,607
1903.....	10,943,063	3,142,013	14,085,076	26,242,860	32,509	26,275,369
1904.....	11,683,393	3,797,641	15,481,034	25,157,255	47,620	25,204,875
1905.....	11,753,180	3,014,964	14,768,144	36,112,055	50,541	36,171,596
1906.....	12,036,675	3,275,242	15,311,917	26,882,199	56,313	26,938,512
1907.....	14,435,725	4,151,700	18,587,424	29,071,813	229,014	29,300,727
1908.....	15,038,155	4,682,399	19,720,554	41,640,505	507,640	42,228,145
1909.....	17,780,778	4,033,574	21,814,352	40,432,945	84,152	40,517,097
1910.....	20,560,101	4,606,334	25,166,435	46,133,265	300,763	46,490,028
1911.....	21,925,177	5,190,440	27,115,626	41,207,051	730,642	41,988,293
1912.....	24,052,905	5,698,444	30,251,349	55,076,070	373,273	55,449,343
1913.....	30,046,089	6,873,531	37,519,620	42,713,184	758,646	43,471,830
1914.....	25,773,412	6,282,558	32,055,970	40,678,580	916,245	41,593,825
1915.....	25,004,764	5,716,023	30,720,787	62,087,250	877,509	62,964,759
1916.....	31,127,577	6,068,529	37,196,106	64,438,297	226,747	64,665,044
1917.....	44,330,475	6,482,951	50,813,426	78,174,343	923,747	79,098,090
1918.....	43,940,515	8,807,048	52,747,563	79,392,926	1,553,700	80,946,626
Dec. 31:						
1918 (6 months).....	19,061,246	5,476,008	24,537,254	42,224,209	4,152,299	46,376,508
1910.....	49,983,869	8,980,704	58,964,573	98,363,015	4,702,103	103,065,118
1920.....	74,052,453	12,284,592	86,337,045	102,388,135	3,437,699	105,825,834
1921.....	64,446,173	9,529,755	73,975,928	73,669,115	1,350,483	75,019,598
1922.....	53,585,740	7,496,913	61,082,653	71,431,301	1,257,263	72,688,566
1923.....	66,421,393	8,084,204	75,106,197	101,085,642	1,581,164	102,669,806
1924.....	69,767,693	8,884,223	78,051,916	108,473,202	1,415,911	109,889,203
1925.....	72,924,409	10,829,509	83,753,918	102,780,509	1,844,782	104,625,291
1926.....	76,262,624	10,254,565	86,517,189	88,280,941	1,884,079	100,145,020
1927.....	70,630,089	9,171,815	88,801,904	109,236,321	2,207,714	111,504,035
1928.....	77,823,643	10,361,293	88,184,936	116,956,090	2,514,631	119,470,721

1 No data.

Source of Tables 542 and 543: Bureau of Foreign and Domestic Commerce.

No. 544.—IMPORTS AND EXPORTS OF THE PHILIPPINE ISLANDS

Year ended—	Merchandise imports			Merchandise exports		
	From United States ¹	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901	2,855,685	27,423,721	30,279,406	2,572,021	20,642,927	23,214,948
1902	4,035,243	28,106,599	32,141,842	7,601,743	16,235,030	23,837,773
1903	3,944,098	29,027,784	32,971,882	13,863,059	19,268,721	33,131,780
1904	4,033,216	28,587,545	33,220,761	11,102,775	19,147,852	30,250,627
1905	5,761,408	25,114,852	30,876,350	15,668,026	16,684,589	32,352,615
1906	4,333,893	21,465,373	25,799,266	11,579,411	20,337,723	31,917,134
1907	5,155,359	23,630,496	28,785,855	12,079,204	21,634,153	33,713,357
1908	5,079,487	25,838,870	30,918,357	10,323,233	22,493,334	32,816,567
1909	4,691,770	23,100,627	27,792,397	10,215,331	20,778,232	30,993,563
1910	10,775,301	26,292,829	37,068,130	18,741,771	21,122,398	39,864,169
1911	19,483,558	30,350,004	49,833,562	16,716,956	23,061,673	39,778,629
1912	20,604,155	33,945,825	54,549,980	21,517,777	28,802,059	50,319,836
1913	25,337,085	30,940,498	56,277,583	19,848,885	33,834,441	53,683,326
1914	28,571,821	27,439,749	56,011,570	22,047,105	29,190,943	51,238,048
1915	22,394,381	22,085,480	44,479,861	23,001,275	27,913,786	50,915,061
1916	23,804,367	22,169,258	45,973,625	28,638,526	32,825,505	61,464,031
1917	27,516,556	24,466,722	51,983,278	43,125,393	28,589,892	71,715,285
1918	49,799,229	33,964,061	83,763,290	77,010,233	39,604,378	116,614,611
Dec. 31:						
1918 (6 months)	31,949,240	21,671,502	53,620,742	50,920,499	24,518,860	75,439,359
1919	75,491,415	43,147,637	118,639,052	56,453,173	56,694,600	113,147,773
1920	92,289,778	57,148,605	149,438,383	105,216,263	45,907,593	151,123,856
1921	74,130,015	41,708,559	115,838,574	50,356,793	37,758,530	88,115,323
1922	47,738,320	32,459,319	80,197,639	64,111,601	31,471,697	95,583,298
1923	50,362,535	37,447,212	87,799,747	85,047,023	35,705,967	120,752,990
1924	60,390,380	47,611,515	108,001,895	97,313,903	38,030,760	135,344,663
1925	69,297,553	50,435,251	119,732,804	109,044,942	39,832,293	148,877,235
1926	71,575,618	47,723,374	119,298,992	100,003,215	36,881,105	136,884,320
1927	71,478,207	44,373,175	115,851,382	116,038,250	39,535,835	155,574,085
1928	83,858,000	50,799,000	134,657,000	115,586,000	39,469,000	155,055,000

¹ The discrepancy between the United States figures of exports to the Philippines prior to 1911 and the Philippine figures of imports from the United States in corresponding periods is due chiefly to the fact that the Philippine import figures prior to that year omit merchandise imported free of duty for the use of the Government or for use in construction and equipment of railways in the islands, under the act of Feb. 6, 1905, while the United States returns omit only Government supplies carried by Government vessels.

Sources: Reports of the War Department and Annual Report of the Insular Collector of Customs.

No. 545.—IMPORTS AND EXPORTS OF AMERICAN SAMOA

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1916	100,507	17,787	118,294	62,062	.....	62,062
1917	93,625	16,688	110,314	198,496	.....	198,496
1918	94,334	51,555	145,889	118,520	.....	118,520
Dec. 31:						
1918 (6 months)	66,409	46,033	112,442	136,071	.....	136,071
1919	95,329	87,630	182,959	90,421	.....	90,421
1920	126,185	99,110	225,295	95,213	.....	95,213
1921	127,654	94,833	222,487	117,446	.....	117,446
1922	96,317	100,586	196,903	98,216	.....	98,216
1923	97,396	101,404	198,800	95,164	.....	95,164
1924	91,309	103,053	194,362	102,895	47,385	150,280
1925	92,514	99,898	192,412	26,712	123,621	150,333
1926	231,052	87,088	318,140	78,033	(1)	(1)
1927	120,877	82,491	203,368	40,852	(1)	(1)
1928	106,260	98,490	204,750	179,068	(1)	(1)

¹ Not available.

Source: Returns to the Navy Department.

No. 546.—IMPORTS AND EXPORTS OF THE VIRGIN ISLANDS

NOTE.—For 1910 to 1917, figures for trade with United States cover years ended June 30, for total trade years ended Mar. 31; thereafter, all figures cover calendar years

Year (see headnote)	Merchandise imports			Merchandise exports		
	From United States	From foreign countries	Total	To United States	To foreign countries	Total
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1910.....	749, 174	—	1, 296, 774	403, 926	—	469, 908
1911.....	810, 537	—	1, 724, 826	135, 117	—	543, 626
1912.....	924, 700	—	1, 683, 072	489, 039	—	548, 024
1913.....	894, 087	—	1, 647, 356	48, 031	—	282, 152
1914.....	890, 966	—	1, 712, 103	29, 374	—	331, 188
1915.....	708, 354	—	1, 318, 709	350, 822	—	378, 850
1916.....	850, 377	—	1, 222, 509	63, 496	—	200, 044
1917.....	1, 438, 904	—	(1)	1, 259, 607	—	(1)
1918.....	1, 640, 103	252, 326	1, 892, 429	1, 137, 501	111, 845	1, 249, 346
1919.....	1, 804, 117	472, 395	2, 276, 512	1, 593, 120	326, 405	1, 919, 525
1920.....	3, 993, 478	862, 019	4, 856, 097	4, 540, 386	208, 983	4, 749, 819
1921.....	2, 622, 396	416, 354	3, 038, 750	734, 674	140, 061	883, 735
1922.....	1, 047, 353	302, 598	2, 009, 951	734, 476	101, 029	835, 505
1923.....	1, 617, 625	323, 142	1, 940, 767	414, 609	99, 433	514, 042
1924.....	1, 668, 496	360, 223	2, 028, 718	394, 085	97, 471	461, 556
1925.....	1, 915, 277	(1)	(1)	1, 020, 748	(1)	(1)
1926.....	1, 799, 444	(1)	(1)	810, 410	(1)	(1)
1927.....	2, 053, 340	(1)	(1)	968, 463	(1)	(1)
1928.....	2, 277, 030	(1)	(1)	1, 195, 314	(1)	(1)

¹ Not available.

Sources: Total trade, 1910 to 1915, from Danish Yearbook; 1916, from "The Virgin Islands of the United States of America," by Luther K. Zabriskii; all other figures from Bureau of Foreign and Domestic Commerce.

No. 547.—IMPORTS AND EXPORTS OF GUAM

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
June 30:						
1916.....	177, 163	79, 785	256, 948	33, 306	29, 007	62, 313
1917.....	114, 301	172, 351	286, 652	46, 972	33, 303	80, 435
1918.....	221, 241	136, 906	358, 147	68, 742	68, 016	131, 758
Dec. 31:						
1918 (6 months).....	108, 460	71, 543	180, 003	2, 901	36, 069	38, 860
1919.....	308, 465	138, 716	447, 181	49, 222	15, 330	64, 552
1920.....	234, 060	120, 692	355, 652	28, 432	22, 006	50, 498
1921.....	304, 111	179, 573	483, 684	15, 566	24, 776	40, 342
1922.....	424, 411	171, 709	596, 120	49, 426	13, 505	62, 931
1923.....	456, 824	217, 732	674, 556	77, 109	16, 977	94, 086
1924.....	380, 506	252, 215	632, 721	55, 192	10, 903	66, 095
1925.....	324, 019	261, 216	585, 235	89, 219	10, 735	99, 954
1926.....	275, 230	218, 125	493, 355	86, 298	32, 730	119, 028
1927.....	208, 060	195, 617	404, 277	112, 863	41, 408	154, 271
1928.....	326, 844	334, 420	661, 264	124, 677	117, 855	242, 532

Source: Returns to the Navy Department.

No. 548.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS

NOTE.—Totals include items not shown separately. For gold shipments from Alaska see Table 541

Territory and product	Quantity			Value (thousands of dollars)			
	1926	1927	1928	1925	1926	1927	1928
ALASKA							
Animals.....number.....	2,330	1,295	880	201	178	74	52
Fish.....1,000 lbs.....	371,317	231,007	333,076	36,129	54,499	34,165	51,318
Halibut, fresh and frozen.....do.....	14,647	17,111	13,195	1,190	2,023	2,283	1,686
Salmon, fresh and frozen.....do.....	5,230	5,503	5,559	405	532	675	733
Canned salmon.....do.....	322,917	180,554	286,982	28,700	48,336	27,223	45,549
Cured or preserved fish.....do.....	26,140	25,951	25,213	4,980	2,979	3,580	2,985
Shellfish.....do.....	1,637	1,217	1,004	814	477	398	300
Other fish products:							
Meal.....tons ¹	10,412	6,375	9,051	432	682	414	604
Oil.....1,000 galls.....	3,020	2,035	2,569	1,016	1,350	850	1,073
Furs and fur skins.....number.....	106,577	318,558	342,482	4,255	1,549	4,266	3,890
Whale oil.....1,000 galls.....	769	948	726	239	253	219	254
Copper (ore, matte, regulus).....1,000 lbs.....	72,060	61,454	45,850	11,529	10,772	8,510	6,782
Lead (ore, matte, regulus).....do.....	1,562	1,975	2,106	137	129	133	130
Roibdeer meat.....do.....	968	820	1,818	111	128	88	154
Stone, including marble.....tons ¹	12,261	3,959	35	116	204	120	123
Wood, timber, and lumber.....M ft.....	8,528	6,243	1,838	266	365	221	68
Total Alaskan products.....				54,938	70,695	49,269	65,505
Articles produced in U. S. returned.....				1,799	2,592	1,821	1,950
Total foreign merchandise.....				182	114	258	132
Total, all merchandise.....				56,919	73,301	51,349	67,687
HAWAII							
Coffee.....1,000 lbs.....	1,718	5,435	3,690	980	472	1,308	983
Fruits:							
Bananas.....bunches.....	247,536	216,733	183,508	33,863	34,229	33,342	36,339
Pineapples (canned).....1,000 lbs.....	410,280	408,161	405,680	33,562	33,928	33,562	39,299
Hides and skins.....do.....	1,422	1,450	1,458	193	159	170	238
Honey.....do.....	1,367	1,237	1,680	104	70	65	95
Molasses.....1,000 galls.....	16,964	13,808	21,486	926	763	570	901
Sugar:							
Unrefined.....1,000 lbs.....	1,475,014	1,525,626	1,725,481	62,323	57,053	68,143	70,177
Refined.....do.....	10,247	27,445	31,885	978	1,091	1,085	1,359
Total Hawaiian products.....				90,748	95,294	106,370	114,155
Articles produced in U. S. returned.....				3,002	2,939	2,832	2,786
Total foreign merchandise.....				80	20	35	15
Total, all merchandise.....				103,781	98,261	109,236	116,966
PORTO RICO							
Cotton:							
Unmanufactured.....pounds.....	551,908	652,062	458,990	257	217	282	267
Handkerchiefs.....1,000 doz.....	1,018	954	702	1,104	1,036	1,237	1,214
Wearing apparel.....1,000 lbs.....	3,512	3,935		6,560	7,230	7,248	8,335
Fruits:							
Grapefruit, fresh.....boxes.....	688,720	870,428	451,868	2,404	2,061	2,687	1,222
Oranges, fresh.....do.....	316,078	371,680	354,618	1,240	796	903	792
Pineapples, fresh.....crates.....	494,344	641,518	499,097	1,141	1,500	1,925	1,504
Grapefruit, canned, etc.....1,000 lbs.....	7,033	10,627	10,129	329	674	1,168	944
Pineapples, canned, etc.....do.....	1,665	1,409	2,281	160	142	117	153
Coconuts.....thousands.....	20,582	22,578	19,430	705	567	652	547
Hides and skins.....1,000 lbs.....	357	706	824	94	58	137	186
Honey.....do.....	1,401	1,488	1,265	126	82	88	84
Manganese ore.....tons ¹	1,417	1,624	1,623	118	42	42	57
Alcohol, denatured.....galls.....	397,037	712,275	754,315	247	136	311	268
Sugar and molasses:							
Sugar.....1,000 lbs.....	1,118,497	1,148,127	1,322,386	53,713	46,580	55,337	58,187
Molasses.....1,000 galls.....	26,034	16,697	23,700	1,475	932	767	878
Tobacco:							
Leaf—							
Unstemmed.....1,000 lbs.....	8,667	6,626	1,639	1,740	5,045	2,953	443
Stemmed.....do.....	18,594	17,420	15,936	10,509	14,896	11,554	10,253
Stems, scraps.....do.....	4,615	6,816	8,191	889	1,048	1,191	1,630
Cigars and cheroots.....thousands.....	177,501	147,655	153,590	7,739	4,898	3,936	3,824
Cigarettes.....do.....	4,625	5,227	5,368	29	60	52	44
Total Porto Rican products.....				91,282	88,872	95,677	95,034
Articles produced in U. S. returned.....				1,391	1,280	1,162	2,167
Total foreign merchandise.....				6	15	64	67
Total, all merchandise.....				92,680	90,167	96,902	97,269

¹ Of 2,240 pounds.

No. 548.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS—Continued

Territory and product	Quantity			Value (thousands of dollars)			
	1926	1927	1928	1925	1926	1927	1928
PHILIPPINE ISLANDS							
Oil cake and meal (coconut).....1,000 lbs..	36,598	36,170	22,748	407	417	432	355
Coconut meat prepared.....do.....	28,864	33,904	40,696	2,383	2,683	3,041	4,006
Copra.....do.....	275,090	341,389	371,889	13,999	14,037	15,113	16,548
Coconut oil.....do.....	245,129	293,376	290,637	10,060	22,088	22,900	23,061
Rubber, crude.....do.....	311	823	873	68	106	105	124
Leaf tobacco.....do.....	908	1,611	3,727	187	197	263	521
Cigars and cheroots.....do.....	3,021	2,648	2,574	5,138	5,047	4,142	4,190
Cotton wearing apparel.....do.....				3,969	5,422	5,621	3,639
Cordage.....do.....	6,571	5,693	5,903	979	893	838	781
Manila fiber.....tons ¹	69,005	51,210	40,227	18,091	18,213	13,075	9,307
Boards, planks, and deals.....M ft.	362	112	283	13	20	5	11
Sawed cabinet woods.....do.....	20,347	32,931	33,881	1,360	1,225	1,034	1,368
Chair cane or reed.....M lbs..	15			(²)	3		
Articles produced in U. S. returned.....				440	262	284	350
Total, all merchandise.....				111,820	103,797	118,980	116,609

¹ Of 2,240 pounds.² Less than \$500.

Source: Bureau of Foreign and Domestic Commerce.

No. 549.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS: VALUES

NOTE.—Values in thousands of dollars. Totals include items not shown separately

Commodity group or item	Alaska		Hawaii		Porto Rico		Philippine Islands	
	1927	1928	1927	1928	1927	1928	1927	1928
Total merchandise.....	35,604	32,059	79,680	77,824	56,327	51,981	69,304	79,648
Animals and Animal Products.....	4,647	4,557	6,510	6,910	13,832	12,327	6,681	7,066
Meats.....	1,943	1,920	1,720	1,908	4,247	3,073	422	400
Eggs.....	568	582	494	578	64	68	1	3
Milk, condensed, evaporated, etc.....	409	461	792	725	658	601	2,617	3,023
Butter and cheese.....	332	341	702	834	709	507	137	108
Fish.....	115	103	928	981	1,553	768	1,823	1,634
Animal fats and oils, edible.....	106	109	227	180	2,414	2,717	50	67
Boots and shoes.....	194	198	838	832	3,511	3,123	623	245
Other leather manufactures.....	44	55	278	299	251	230	183	150
Vegetable Food Products and Beverages.....	4,513	4,373	12,017	11,649	19,178	18,405	6,322	7,379
Grains and preparations.....	356	374	5,444	5,061	12,799	11,058	4,059	4,755
Rice.....	80	86	3,637	2,947	8,514	7,317	3	9
Wheat flour.....	365	386	974	942	2,888	2,781	3,878	4,557
Biscuits and crackers.....	170	177	112	187	657	549	33	104
Vegetables.....	816	832	1,445	1,440	3,300	3,200	418	580
Potatoes.....	187	119	329	215	607	680	14	29
Canned vegetables.....	319	310	520	349	221	197	104	265
Fruits.....	939	855	1,333	1,418	494	411	844	910
Oranges.....	134	132	472	605	(¹)	(¹)	223	242
Apples.....	100	92	103	180	53	49	105	187
Canned and preserved fruits.....	394	349	232	328	280	215	154	132
Coffee.....	385	408	114	137	38	740	291	233
Sugar.....	445	435	258	123	63	28	20	52
Confectionery.....	323	324	924	497	611	450	209	233
Beverages and fruit juices.....	141	158	123	206	424	451	40	58
Vegetable Products, Inedible, Except Fibers and Wood.....	1,344	1,268	4,709	4,494	4,347	4,767	5,116	6,016
Rubber manufactures.....	434	400	2,184	1,682	1,495	1,447	2,956	2,910
Boots and shoes ²	215	210	76	95	305	208	623	946
Automobile tires:								
Casings.....	54	42	1,301	1,235	704	726	1,304	1,205
Inner tubes.....	9	7	227	170	84	90	223	105
Belting, hose, and packing.....	134	124	139	116	62	72	197	192
Tobacco:								
Leaf.....	3	(¹)	(¹)	(¹)	1,164	915	633	736
Cigars and cheroots.....	194	204	196	136	26	13		
Cigarettes.....	356	360	1,348	1,431	1,205	1,940	1,125	1,772
Smoking.....	177	154	718	622	47	44	23	14

¹ Less than \$500.² Includes canvas shoes with rubber soles.

No. 549.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS: VALUES—Continued

[Values in thousands of dollars]

Commodity group or item	Alaska		Hawaii		Porto Rico		Philippine Islands	
	1927	1928	1927	1928	1927	1928	1927	1928
Textiles	3,186	2,932	7,002	6,827	16,049	14,988	15,408	16,069
Sewing, crochet, and embroidery cotton.....	10	11	137	111	509	405	489	521
Cotton cloth.....	115	142	1,578	1,470	6,285	6,432	11,346	12,169
Cotton wearing apparel.....	541	512	1,048	1,112	3,056	3,082	474	378
Bags of jute.....	121	89	606	284	493	696	(¹)	(¹)
Cardage and twine.....	653	765	93	66	200	159	2	1
Wool wearing apparel.....	367	408	400	469	527	427	69	35
Other wool manufactures.....	166	100	245	344	193	81	171	164
Silk manufactures.....	105	103	946	865	429	455	550	596
Wood and Paper	2,198	1,740	6,273	6,173	5,324	5,187	1,741	1,878
Logs and timber.....	165	193	119	104	150	329	33	25
Boards, planks, and deals.....	545	460	1,798	1,780	1,018	1,080	79	111
Box shooks.....	533	305	707	503	461	860	85	30
Cooperage shooks.....	170	130	2	23	34	60		
Wood furniture.....	136	89	575	619	758	684	43	20
Paper and manufactures.....	286	200	2,101	2,153	1,538	1,388	1,233	1,395
Nonmetallic Minerals	2,694	2,061	11,020	9,668	4,568	4,333	5,883	7,890
Coal.....	327	306	53	31	275	161	52	5
Petroleum and products.....	1,884	1,950	8,489	7,459	2,901	3,061	5,245	7,693
Gasoline.....	916	1,183	3,085	3,827	828	1,300	2,287	3,000
Illuminating oil.....	94	85	696	665	465	402	1,313	2,287
Gas and fuel oil.....	559	370	3,207	1,939	1,080	893	743	590
Lubricating oil.....	277	281	754	730	474	487	726	987
Metals and manufactures, except Machinery and Vehicles	9,467	8,167	10,737	10,278	6,070	6,265	8,160	9,673
Iron and steel	9,042	7,811	9,255	8,794	5,421	5,386	6,997	7,519
Steel bars.....	86	73	172	201	178	170	119	140
Iron and steel plates.....	21	12	104	69	44	30	113	154
Galvanized sheets.....	74	75	188	212	860	1,166	2,028	2,169
Tin plates.....	1,792	864	3,332	3,519	17	14	447	602
Structural forms.....	107	20	228	272	166	347	323	616
Cast pipe and fittings.....	117	28	913	1,008	468	626	160	329
Wire.....	1,167	949	348	356	216	258	556	217
Wire nails.....	101	72	97	108	72	190	139	174
Cutlery.....	18	15	117	106	124	139	67	88
Tin cans, finished or unfinished.....	3,490	3,974	54	47	312	145	3	3
Enameled iron and steel.....	58	53	197	184	220	207	70	87
Stoves, ranges, furnaces.....	233	221	272	311	60	42	43	47
Tools.....	128	131	200	230	155	185	324	365
Copper.....	72	60	351	501	241	443	399	536
Machinery and Vehicles	5,002	3,769	11,843	11,482	7,770	7,051	11,478	14,796
Engines	685	632	582	502	376	380	943	1,485
Electrical machinery and appliances.....	647	701	1,065	1,705	818	801	1,520	1,411
Agricultural machinery.....	80	92	558	370	403	445	343	533
Other machinery.....	2,868	1,727	2,639	2,719	2,185	1,800	3,598	5,310
Motor trucks and busses.....	78	82	824	837	797	765	968	1,371
Passenger automobiles.....	373	330	3,983	3,768	1,963	1,720	2,660	2,773
Automobile parts and accessories, except engines and tires.....	120	113	796	858	545	497	747	768
Chemicals and Related Products	1,269	1,169	4,857	5,270	6,428	5,843	4,745	4,931
Chemicals	500	238	1,174	1,201	1,770	1,518	1,117	1,502
Medicinal and pharmaceutical preparations.....	240	242	380	488	911	971	695	721
Paints, pigments, and varnishes.....	227	216	929	979	517	563	562	637
Explosives.....	367	328	154	141	25	32	92	149
Fertilizers.....	2	3	1,542	1,027	2,494	2,213	1,805	1,220
Soap.....	125	162	688	627	1,197	1,133	974	1,413
Miscellaneous	1,505	1,367	4,062	5,012	2,777	2,760	3,860	4,040
Motion-picture films.....	82	143	63	67	118	77	81	68
Musical instruments.....	134	168	724	985	370	335	452	509
Toys.....	51	53	181	185	245	128	61	84
Athletic and sporting goods.....	43	77	174	180	24	26	78	140
Books, pictures, and other printed matter.....	433	284	1,180	1,381	504	450	1,460	1,195
Household and personal effects.....	170	121	492	330	199	197	88	112

¹ Less than \$500.

Source: Bureau of Foreign and Domestic Commerce.

24.—IRRIGATION AND DRAINAGE

GENERAL NOTE.—Data in this section cover irrigation and drainage enterprises in continental United States. "Government irrigation" tables relate only to works of the Bureau of Reclamation or to lands served in whole or in part by works controlled by the bureau (for area so served in 1927, see Table 555). Tables 559 to 594 relate to irrigation enterprises of all sorts as reported to the Bureau of the Census.

No. 550.—GOVERNMENT IRRIGATION PROJECTS: CONSOLIDATED FINANCIAL STATEMENT, JUNE 30, 1928

DEBIT SIDE

Construction account, primary projects:			
Cost of irrigation works—			
Original construction.....	\$166,864,907		
Supplemental construction.....	9,765,702		
Value of works taken over.....	2,057,428		
Total construction cost.....		\$178,688,038	
Operation and maintenance prior to public notice (net).....	2,523,387		
Operation and maintenance deficits and arrearages and penalties on water-right charges funded with construction.....	5,102,806		
		7,626,193	
Less—		186,814,231	
Abandoned works and nonreimbursable cost (net).....	13,235,395		
Construction revenues.....	5,723,303		
Contributed funds.....	1,248,814		
		20,207,512	
Balance repayable.....			\$166,106,719
Yuma auxiliary project: Cost of irrigation works less construction revenues.....			875,181
Secondary projects and general investigations: Cost of investigations less contributed funds.....			2,238,278
Operation and maintenance results (charges in excess of net costs).....			187,407
Plant and equipment.....			949,613
Materials and supplies.....			627,062
Current accounts receivable due.....		3,979,500	
Deferred accounts receivable not due.....		151,439,509	
			155,419,008
Prepaid civil service retirement fund.....			2,340
General office expense undistributed.....			449,767
Unadjusted debits.....			33,296
Cash and collections in transit.....			9,471,565
Total debits.....			335,985,423

CREDIT SIDE

Security for repayment of cost of irrigation works:			
Contracted construction repayments.....			
Yuma auxiliary contracted repayments.....		\$182,130,131	
		712,785	
			\$182,842,916
Current accounts payable.....			1,684,791
Unapplied credits: Forfeitures, penalties, hospital, rentals from withdrawn lands, etc.....			4,548,234
Unadjusted credits.....			83,432
Government aid for reclamation of arid lands:			
Reclamation fund.....		148,741,594	
Special funds—			
Judgments, Court of Claims.....		599,651	
Rio Grande Dam.....		1,000,000	
General investigations, 1923-Dec. 31, 1924.....		275,000	
Increase of compensation.....		2,797,960	
Wind River Indian (Riverton).....		359,170	
Drainage and cut-over lands.....		30,000	
Arid, semiarid, swamp, and cut-over timberlands.....		25,000	
Columbia Basin irrigation project.....		100,000	
Colorado River levee system.....		12,000,000	
Advances to reclamation fund (bond loan) less amount repaid.....			
Total.....		161,028,196	
Less nonreimbursable appropriation, Rio Grande Dam.....		1,000,000	
		160,028,196	
Less impairment of funds—			
Abandoned construction works.....	\$1,361,970		
Nonreimbursable construction cost.....	419,645		
Operation and maintenance cost, uncollectible.....	453,291		
Charge-offs, act of May 25, 1926.....	10,947,241		
		13,182,147	
			146,846,049
Total credits.....			335,985,423

Source: Bureau of Reclamation, Department of the Interior.

No. 551.—GOVERNMENT IRRIGATION PROJECTS: CONSTRUCTION COST, OTHER REIMBURSABLE COST, AND AMOUNT TO BE REPAID BY WATER USERS, TOTALS TO JUNE 30, 1928

State and project	Construction cost	Operation and maintenance cost before public notices (net)	Operation and maintenance deficits and arrearages	Deductions		Total to be repaid by water users
				Construction revenues and contributed funds	Abandoned works, nonreimbursable cost, etc.	
Total	Dollars 178,688,038	Dollars 2,623,387	Dollars 6,102,806	Dollars 6,872,117	Dollars 13,236,395	Dollars 168,106,710
Arizona: Salt River	12,744,223	115,004	-----	2,312,097	1,382,007	10,168,022
Arizona-California: Yuma	9,202,009	374,671	2,022	190,902	-----	9,476,280
California: Orland	2,245,477	¹ 12,324	-----	21,763	-----	2,211,400
Colorado:						
Grand Valley	4,768,278	138,021	-----	54,719	² 812,375	4,029,808
Uncompahgre	6,438,177	298,000	-----	24,224	³ 47,370	6,665,486
Idaho:						
American Falls	7,060,030	⁴ 604	-----	20,007	-----	7,020,450
Boise	14,407,671	422,283	873,493	332,300	-----	15,461,058
King Hill	1,005,310	-----	110,123	28,238	-----	1,087,208
Mindoka	6,860,057	177,450	360,044	1,658,871	-----	8,728,680
Mindoka gravity extension	62,024	-----	-----	1,000	-----	61,024
Kansas: Garden City	342,004	52,808	-----	61,367	⁴ 334,476	-----
Montana:						
Huntley	1,565,304	¹ 1,100	04,210	18,112	² 62,050	1,548,160
Milk River	6,768,308	437,604	08,328	80,252	³ 1,011,180	8,278,788
Sun River	5,525,597	136,526	70,308	43,437	-----	5,685,154
Montana-North Dakota: Lower Yellowstone	3,268,870	² 2,010	902,107	47,848	³ 382,254	3,728,040
Nebraska-Wyoming: North Platte	19,138,179	704,514	1,508,453	540,751	⁴ 30,322	20,770,072
Nevada: Newlands	7,847,750	² 2,659	20,405	52,347	³ 4,437,820	8,376,320
New Mexico:						
Carlsbad	1,464,523	² 10,607	1,084	24,053	-----	1,424,890
Hondo	339,492	32,052	-----	650	⁴ 871,788	-----
New Mexico-Texas: Rio Grande	14,735,174	² 810,733	-----	230,341	³ 1,205,670	12,982,423
North Dakota:						
Burlingame	223,423	² 22	-----	1,068	-----	-----
Williston	517,630	² 166	-----	83,182	⁴ 434,284	-----
Oregon:						
Baker	60,317	-----	-----	5,000	-----	61,317
Umatilla	5,165,783	² 11,772	129,870	30,116	³ 888,341	4,365,420
Vale	532,184	-----	-----	6,000	-----	527,184
Oregon-California: Klamath	5,376,418	71,142	3,712	307,679	² 7,417	5,130,270
Oregon-Idaho: Owyhee	913,835	-----	-----	4,355	-----	909,480
South Dakota: Belle Fourche	3,624,188	² 1,880	800,437	16,665	-----	4,112,066
Utah:						
Salt Lake Basin	674,404	-----	-----	18,670	-----	655,894
Strawberry Valley	3,507,428	10,744	71,465	236,809	-----	3,865,114
Washington:						
Okanogan	1,447,561	² 47,767	25,194	6,031	-----	1,418,388
Yakima	14,400,768	² 63,363	83,327	360,222	³ 4,216	14,871,701
Yakima-Kittitas	2,305,024	-----	-----	1,071	-----	2,304,053
Wyoming:						
Riverton	2,068,057	0,073	-----	² 0,188	-----	2,068,103
Shoshone	0,492,365	20,074	305,429	188,298	³ 1,702,290	7,068,101

¹ Nonreimbursable cost. ² Contra. ³ Authorized charge-offs, act of May 25, 1926. ⁴ Abandoned works.

⁵ Nonreimbursable cost, \$1,000,000; authorized charge-offs, \$205,076.

Source: Bureau of Reclamation, Department of the Interior.

No. 552.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST AND RETURNS DURING 1927 (CALENDAR YEAR)

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits ¹	Results: Excess (+) or deficit (-)
		Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues		
Total	Dollars 1,782,122	Dollars 2,808,591	Dollars 2,06,610	Dollars 13,350	Dollars 70,062	Dollars 2,824,555	Dollars -206,024
Arizona: Yuma auxiliary	29,021	43,010	-----	-----	1,101	-----	-14,190
Arizona-California: Yuma	462,493	310,579	11,844	0,043	10,318	-----	-130,705
California: Orland	30,004	36,155	300	1,509	121	-----	+8,362
Colorado: Uncompahgre	132,773	² 2,809	3,275	76	2,676	-----	-129,806
Idaho:							
Boise	26,281	² 588,174	¹ 31,188	-----	² 24,183	501,281	-78,425
Boise (drainage)	-----	² 214,046	2	-----	-----	-----	-214,044

¹ Amounts to be paid with construction and charge-offs under act of May 25, 1926. ² Contra.

No. 552.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST AND RETURNS DURING 1927 (CALENDAR YEAR)—Continued

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits ¹	Results: Excess (+) or deficit (-)
		Charges contracted	Penalties	Dis-counts (contra)	Miscellaneous revenues		
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Idaho—Continued.							
King Hill.....							
Minidoka.....	49,074	224,981	125		583	247,430	-25,916
Montana:							
Huntley.....	31,933	160	778		724	33,335	+3,044
Milk River.....	44,382	29,875		420	717	64,984	+50,774
Sun River.....	10,823	285,658	336	26	6,285	75,962	+26,404
Montana-North Dakota: Lower Yellowstone.....	43,503	104,123			1,498	32,229	+29,889
Nebraska-Wyoming: North Platte.....	40,087	686,835	79,211		1,163	892,349	+87,880
Nevada: Newlands.....	264	139,915	244	42		210,724	+70,259
New Mexico: Carlsbad.....	45,056	42,214	1,113	1,518	2,520		-727
New Mexico-Texas: Rio Grande.....	341,216	303,617	2,545		35,055		
North Dakota: Williston.....	1					1	
Oregon: Umatilla.....	2,130	37,601	24	4	108	17,638	-72,024
Oregon-California: Klamath.....	75,965	90,952	139	70	32,040		+47,996
South Dakota: Belle Fourche.....	77,293	75,000			2,121		-171
Utah: Strawberry Valley.....		283,678	158	72		27,825	-762
Washington:							
Okanogan.....	40,451	30,000	8	6	375		-10,074
Yakima.....	264,484	252,099	9,580	3,738	4,078	2799	-3,313
Wyoming: Shoshone.....	24,141	122,681	14,487	1	1,834	195,510	+36,136

¹ Amounts to be paid with construction and charge-offs under act of May 25, 1926.

² Contra.

No. 553.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, ETC., AND EXCESS OR DEFICIT, TOTALS TO DECEMBER 31, 1927

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits ¹	Results: Excess (+) or deficit (-)
		Charges contracted	Penalties	Dis-counts (contra)	Miscellaneous revenues		
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Total.....	28,110,321	21,660,034	445,951	322,811	1,533,267	4,846,217	+52,327
Arizona: Yuma auxiliary.....	230,694	200,423	535	1,107	2,937		+32,096
Arizona-California: Yuma.....	3,433,478	3,417,141	32,019	40,254	146,589	2,022	+174,938
California: Orland.....	351,637	381,337	814	15,726	2,410		+17,199
Colorado: Uncompahgre.....	688,525	566,496	14,023	11,606	12,639		-106,974
Idaho:							
Boise.....	2,199,069	1,542,467	31,158	46,526	111,045	600,930	+39,404
Boise (drainage).....	506,060	473,687	38,612	6,123			+170
King Hill.....	156,734	60,711		1,519	343	97,199	
Minidoka.....	1,915,976	1,544,074	29,463	22,342	99,745	208,000	+3,026
Montana:							
Huntley.....	1,014,728	563,504	15,710	10,450	11,597	44,316	-390,051
Milk River.....	101,043	48,678		618	1,819	64,984	+13,820
Sun River.....	261,302	156,898	6,355	3,468	9,308	92,386	+126
Montana-North Dakota: Lower Yellowstone.....	1,134,771	174,178	3	5	129,025	861,460	+29,889
Nebraska-Wyoming: North Platte.....	2,676,623	1,775,512	31,085	35,812	28,234	1,043,332	+165,729
Nevada: Newlands.....	1,453,191	1,190,386	28,585	24,070	26,013	227,168	-6,000
New Mexico: Carlsbad.....	601,054	674,260	26,583	12,958	21,084	1,934	+10,848
New Mexico-Texas: Rio Grande.....	1,910,216	1,824,695	5,463	4,486	34,545		
North Dakota:							
Buford-Trenton.....	74,781	2,317			10	72,454	
Williston.....	904,662	34,043	46		489,736	380,837	
Oregon: Umatilla.....	680,348	337,366	7,776	3,314	39,810	208,266	-90,445
Oregon-California: Klamath.....	931,734	961,733	3,426	4,042	51,917	3,712	+24,162
South Dakota: Belle Fourche.....	1,311,647	863,722	31,955	9,242	18,955	506,437	+100,184
Utah: Strawberry Valley.....	437,856	377,019	9,468	11,859	20,400	31,447	-11,881
Washington:							
Okanogan.....	623,410	522,553	1,451	385	70,141	25,104	-4,456
Yakima.....	3,563,299	3,409,958	67,709	44,046	111,651	76,603	+68,606
Wyoming: Shoshone.....	860,979	556,838	13,710	11,053	43,303	236,624	-27,556

¹ Includes deficits uncollectible: Sun River, \$34,148; Newlands, \$211,262; Buford-Trenton, \$72,454; Williston, \$380,837; Umatilla, \$91,083; Shoshone, \$21,378; total, \$811,187. Other data are amounts to be repaid with construction.

Sources of Tables 552 and 553, Bureau of Reclamation, Department of the Interior.

No. 554.—GOVERNMENT IRRIGATION PROJECTS: VOUCHER TRANSACTIONS,
ALL FUNDS, AND NET INVESTMENT

State and project	Expenditures ¹		Collections ¹		Net investment	
	During fiscal year 1923	Total to June 30, 1923	During fiscal year 1923	Total to June 30, 1923	During fiscal year 1923	Total to June 30, 1923
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Total.....	8, 636, 996	230, 213, 032	6, 181, 634	78, 621, 920	2, 456, 383	161, 591, 192
Arizona:						
Salt River.....		14, 671, 593	710, 317	7, 921, 761	² 710, 817	6, 749, 832
Yuma auxiliary.....	28, 203	949, 315	33, 413	926, 066	² 5, 210	22, 049
Arizona-California: Yuma.....	368, 622	14, 380, 208	842, 881	7, 258, 949	² 17, 359	7, 121, 259
California: Orland.....	792, 985	2, 702, 732	108, 058	1, 103, 823	684, 327	1, 058, 009
Colorado:						
Grand Valley.....	62, 259	5, 475, 604	81, 810	667, 910	² 19, 551	4, 807, 754
Uncompahgre.....	128, 026	8, 788, 704	182, 236	2, 330, 023	² 54, 810	6, 458, 681
Idaho:						
American Falls.....	291, 004	8, 166, 453	40, 506	3, 921, 456	241, 408	4, 244, 997
Boise.....	143, 402	18, 814, 335	490, 872	6, 374, 573	² 347, 410	12, 439, 762
King Hill.....	420	2, 109, 865	335	129, 506	85	1, 080, 359
Mindoka.....	177, 880	9, 592, 921	482, 073	7, 063, 706	² 304, 698	2, 520, 215
Mindoka-Gravity.....	33, 085	54, 778		1, 000	33, 085	53, 778
Kansas: Garden City.....		390, 496		58, 002		332, 494
Montana:						
Huntley.....	48, 729	2, 504, 686	44, 477	1, 057, 548	4, 252	1, 537, 138
Milk River.....	44, 856	7, 697, 598	49, 286	625, 041	² 1, 480	7, 171, 957
Sun River.....	778, 390	5, 977, 452	55, 269	658, 908	723, 121	6, 318, 454
Montana-North Dakota: Lower Yellowstone.....	116, 257	4, 459, 550	75, 337	476, 919	40, 920	3, 882, 631
Nebreska-Wyoming: North Platte.....	492, 448	23, 105, 631	505, 794	5, 509, 315	² 13, 816	17, 596, 316
Nevada: Newlands.....	135, 563	9, 589, 669	117, 724	2, 449, 732	17, 839	7, 139, 937
New Mexico:						
Carlsbad.....	47, 458	2, 227, 534	120, 471	1, 509, 822	² 73, 018	717, 712
Hondo.....		406, 744	40	34, 957	² 10	371, 787
New Mexico-Texas: Rio Grande.....	780, 810	18, 481, 867	713, 121	5, 051, 054	73, 689	13, 430, 813
North Dakota:						
Burdett-Prenton.....		311, 175		17, 874		293, 301
Williston.....		1, 420, 074	7, 616	578, 655	² 7, 616	842, 019
Oregon:						
Baker.....	2, 341	66, 944		5, 879	2, 341	61, 065
Vale.....	348, 673	513, 514	188	5, 188	348, 435	508, 326
Umatilla.....	13, 777	6, 065, 502	78, 209	1, 126, 215	² 64, 432	4, 989, 287
Oregon-California: Klamath.....	202, 679	6, 552, 799	205, 611	2, 151, 285	² 4, 138	4, 401, 514
Oregon-Idaho: Owyhee.....	628, 363	825, 057	1, 217	5, 007	627, 146	820, 050
South Dakota: Belle Fourche.....	115, 932	4, 983, 179	69, 150	1, 265, 405	46, 776	3, 727, 774
Utah:						
Salt Lake Basin.....	510, 701	566, 104	16, 326	16, 326	494, 375	549, 778
Strawberry Valley.....	316	4, 332, 840	144, 157	1, 947, 630	² 143, 241	2, 385, 210
Washington:						
Okanogan.....	33, 967	2, 130, 349	61, 527	670, 144	² 27, 660	1, 460, 205
Yakima.....	271, 474	18, 557, 817	796, 450	9, 009, 397	² 524, 976	8, 948, 420
Yakima-Kititas.....	1, 614, 382	2, 146, 613	723	32, 049	1, 613, 654	2, 114, 664
Wyoming:						
Riverton.....	52, 656	3, 563, 967	14, 414	111, 128	38, 242	3, 453, 839
Shoshone.....	117, 489	10, 574, 114	100, 951	1, 646, 472	16, 538	8, 927, 642
Secondary.....	40, 521	2, 323, 301	10, 063	732, 981	30, 518	1, 590, 320
Denver office ³	² 2, 008	218, 451	2, 431	183, 647	² 12, 374	34, 804
Field legal ³	1, 216	11, 360	65	7, 871	1, 151	3, 489
Washington office ³	145, 347	820, 041	5, 285	349, 484	140, 092	470, 575
Adjustments surveys, subsection K.....	81	85, 674			81	85, 674
Economic investigations.....	8, 838	9, 727			8, 838	9, 727
Examination and inspection of projects.....	5, 505	5, 505	3, 390	3, 390	2, 115	2, 115
Attendance at meetings.....	344	344			344	344
Contingent expenses, Int. Dept.....	9, 000	9, 000			9, 000	9, 000
Indian projects ⁴		2, 997, 829		2, 997, 829		
Civil-service retirement fund ⁵		2, 340				2, 340
Drainage and cut over.....		100, 544				100, 544
General investigations.....	117	246, 301		26, 103	117	220, 198
Arid, semiarid, and swamp cut-over lands.....	14, 795	27, 123			14, 795	27, 123
Columbia Basin investigations.....	6, 375	10, 946			6, 375	10, 946
Colorado River front work and levee system.....	25, 553	25, 553			25, 553	25, 553

¹ Collections creditable to increase of compensation; Rio Grande Dam appropriation and Wind River Indian (Riverton); drainage and cut over; general investigations, Reclamation Service, 1923-Dec. 31, 1924; arid, semiarid, swamp, and cut-over timberland; Colorado River front work and levee system; and Columbia Basin are included in the expenditure column as contra.

² Decrease.

³ Net amounts not transferred to projects.

⁴ Expended from reclamation fund and later reimbursed by congressional appropriation.

⁵ Amount transferred from reclamation fund less amount deducted from pay of employees.

Source: Bureau of Reclamation, Department of the Interior.

No. 555.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED, AND VALUE OF CROPS, 1927¹

NOTE.—See general note, p. 599. "Other lands served by Government works" are those usually furnished with a partial water supply through private canals under Warren Act contracts

State and project	Lands in projects proper				Other lands served by Government works			
	Irrigable acreage ²	Irrigated acreage	Cropped acreage	Crop value	Irrigable acreage	Irrigated acreage	Cropped acreage	Crop value
Total	1,956,810	1,378,890	1,326,810	<i>Dollars</i> 70,985,450	1,482,950	1,148,115	1,072,486	<i>Dollars</i> 81,160,010
Arizona: Salt River	243,440	243,440	216,940	21,188,750	92,700	13,400	13,000	1,269,700
Arizona-California:								
Yuma	62,950	51,870	50,780	3,201,810				
Yuma, auxiliary (Mesa)	3,810	1,070	450	54,670				
California: Orlando	20,750	14,680	13,340	740,990				
Colorado:								
Grand Valley	30,380	13,050	12,500	447,565	18,350	13,000	12,300	1,878,000
Uncompahgre	75,780	59,380	59,280	1,621,820	1,315	1,152	1,150	36,725
Idaho:								
Boise	281,940	156,070	147,115	4,941,670	134,800	127,000	120,000	4,150,000
King Hill	10,000	6,630	6,460	190,560				
Mindoka	121,580	103,200	96,910	3,339,750	773,350	659,300	593,500	30,444,000
Gravity division		58,110	54,340	1,856,660				
Pumping division		45,180	42,570	1,453,090				
Montana:								
Huntley	32,540	20,850	20,440	879,280				
Milk River	76,390	14,830	14,680	220,900	43,265	14,683	14,683	374,490
Sun River	55,880	13,080	21,250	302,855				
Fort Shaw division		6,050	6,730	118,310				
Greenfields and Big Coulee division		7,030	14,520	184,245				
Montana-North Dakota:								
Lower Yellowstone	58,250	15,030	15,630	421,610				
Nebraska-Wyoming:								
North Platte	237,220	175,750	174,315	5,317,630	124,400	103,430	103,430	4,560,560
Pathfinder irrigation district		87,870	86,820	2,548,770				
Gering and Fort Laramie division		45,450	45,150	1,514,510				
Goshen irrigation district		32,040	32,040	1,010,804				
Northport division		10,390	10,305	243,448				
Nevada: Newlands	65,010	49,255	45,370	1,821,860				
New Mexico: Carlsbad	25,000	24,810	22,780	1,935,270				
New Mexico-Texas: Rio Grande	150,000	137,550	133,730	10,599,940	47,820	47,820	47,820	2,691,850
Oregon: Umatilla	18,710	11,490	11,060	212,200				
Oregon-California:								
Klamath	52,380	41,020	38,830	1,181,670	43,220	26,800	26,255	512,695
Main division	41,435	35,350	34,750	1,072,300				
Tule Lake division	11,445	5,670	4,080	109,370				
South Dakota: Belle Fourche	74,470	26,670	45,700	910,690				
Utah: Strawberry Valley	36,380	32,300	31,490	877,200	37,010	20,702	19,520	388,160
Washington:								
Okanogan	7,300	4,125	3,760	1,064,215				
Yakima	134,540	119,900	102,590	8,283,080	166,720	120,828	120,828	14,565,830
Sunnyside division	102,540	93,000	80,090	4,903,200				
Tieton division	32,000	26,900	22,500	3,379,880				
Wyoming:								
Shoshone	61,710	41,330	41,020	1,224,540				
Garland division	41,048	33,640	33,460	1,045,740				
Frammie division	20,062	7,090	7,500	178,800				
Riverton	20,000	450	390	5,155				

¹ Data are for calendar year (irrigation season), except on Salt River project, where data are for corresponding "agricultural year" October, 1926, to September, 1927.

² Area for which bureau was prepared to supply water.

³ Includes 20,536 acres reported as vacant, 2,414 acres of "home tracts," and 3,548 acres on which no crops were reported.

⁴ 680 acres in the Fort Shaw division, and 8,170 acres in the Greenfields and Big Coulee division cropped without irrigation.

⁵ 19,130 acres cropped without irrigation.

Source: Bureau of Reclamation, Department of Interior.

No. 556.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED, AND VALUE OF CROPS, 1927—Continued

NOTE.—Acreage in thousands and value in thousands of dollars. Acreage and value exclude nonirrigated crops grown on projects. See headnote, Table 557

Year	Irrigable acreage	Irrigated acreage	Cropped acreage	Crop value	Year	Irrigable acreage	Irrigated acreage	Cropped acreage	Crop value
1915.....	1,330	815	758	18,104	1922.....	1,693	1,202	1,169	50,361
1916.....	1,405	923	868	32,816	1923.....	1,718	1,214	1,180	65,046
1917.....	1,502	1,027	967	56,462	1924.....	1,806	1,291	1,217	66,489
1918.....	1,602	1,120	1,051	66,821	1925.....	1,803	1,320	1,243	77,609
1919.....	1,636	1,187	1,113	88,974	1926.....	1,845	1,411	1,329	60,370
1920.....	1,662	1,225	1,154	66,172	1927.....	1,957	1,379	1,327	70,085
1921.....	1,674	1,228	1,168	49,620	1928.....	1,883	1,442	1,386	80,239

No. 557.—ACREAGE, PRODUCTION, AND VALUE OF INDIVIDUAL CROPS ON IRRIGATED LAND ON RECLAMATION PROJECTS

NOTE.—These figures are limited to crops covered by crop census on Government irrigation projects proper, excluding all crops in areas served with stored water under the Warren Act, but including non-irrigated crops grown on projects (total acreage 1927, 104,760; 1928, 103,080; value of all crops, \$1,061,760 and \$838,050, respectively). Data are for calendar years except for Salt River project, where data are for year ended September of year specified

Crop	Acreage cropped		Production		Crop value		Yield per acre	
	1927	1928	1927	1928	1927	1928	1927	1928
Total, all crops	1,431,500	1,480,240	<i>Bushels</i>	<i>Bushels</i>	<i>Dollars</i> 172,047,300	<i>Dollars</i> 81,077,750	<i>Bushels</i>	<i>Bushels</i>
Cereals	848,018	839,806	9,814,634	9,857,673	8,077,789	7,576,430		
Barley.....	68,018	70,149	1,953,587	2,330,980	1,210,785	1,376,817	33.3	33.2
Corn.....	62,270	47,940	1,673,480	1,283,060	1,123,296	901,926	26.8	26.7
Oats.....	34,289	59,546	1,215,656	1,413,229	562,165	877,981	35.4	35.7
Rye.....	6,261	3,701	108,623	67,703	80,573	59,086	17.3	18.2
Wheat.....	186,871	178,470	4,863,286	4,762,711	5,110,980	4,871,020	26.0	26.7
Other seeds	47,441	45,285	219,043	178,935	1,697,026	1,786,179		
Alfalfa seed.....	31,471	20,843	138,925	87,312	1,064,225	755,911	4.4	4.2
Clover seed.....	13,987	23,225	56,483	82,285	601,718	1,012,903	4.0	3.4
Flaxseed.....	1,983	1,112	23,635	9,338	41,083	17,366	12.0	8.4
Hay and forage	838,184	810,106	<i>Tons</i>	<i>Tons</i>			<i>Tons</i>	<i>Tons</i>
Alfalfa hay.....	438,075	430,488	1,414,284	1,575,386	16,707,549	20,745,188	2.9	2.9
Clover hay.....	8,819	18,067	1,277,376	1,274,087	12,081,078	15,915,058	1.3	1.3
Other hay.....	53,814	27,799	11,980	24,567	70,466	222,470	1.1	1.0
Corn fodder.....	5,337	5,120	59,229	28,736	545,805	247,408	2.7	2.0
Other forage.....	19,447	29,986	12,584	10,540	74,828	81,188	2.3	2.0
Pasture.....	312,092	292,046	53,115	237,456	670,223	809,194	2.7	7.9
					3,258,549	3,460,810		
Vegetables	118,844	131,454	<i>Bushels</i>	<i>Bushels</i>			<i>Bushels</i>	<i>Bushels</i>
Beans.....	13,193	17,977	11,584,579	11,816,054	13,027,469	13,294,111	16.0	15.9
Onions.....	5,653	2,759	208,569	285,427	518,877	911,035	141.0	330.8
Potatoes, white.....	58,162	63,604	801,443	912,695	404,508	271,200	181.3	165.8
Potatoes, sweet.....	499	693	10,543,065	10,531,091	4,334,330	2,510,024	83.2	123.9
Truck.....	41,337	40,621	41,502	85,841	62,220	106,718		
					7,707,525	8,885,234		
Fruits and nuts	40,332	50,043	<i>1,000 lbs.</i>	<i>1,000 lbs.</i>			<i>Pounds</i>	<i>Pounds</i>
Apples.....	23,908	23,811	326,063	499,473	9,213,536	9,078,831	8,060	13,801
Peaches.....	2,201	3,118	207,184	328,616	5,294,062	4,783,873	2,455	0,736
Pears.....	4,930	5,431	5,404	21,005	176,305	405,191	4,105	8,189
Prunes.....	2,415	2,672	20,238	44,477	572,331	790,386	4,263	6,724
Citrus fruits.....	4,719	6,231	10,296	17,206	202,543	237,740	10,712	7,515
Small fruits.....	3,136	3,162	50,550	46,826	1,560,348	1,195,808	760,236	5,094
Miscellaneous.....	5,023	5,718	15,975	23,880	464,740	760,236	3,067	3,088
			17,375	17,375	934,168	891,501		
Miscellaneous	294,986	400,177						
Cotton.....					22,917,851	23,602,011		
Cottonseed.....	178,875	229,560	70,140	96,740	16,705,727	22,450,340	392	421.4
			125,293	170,678			700	782.7
			<i>Tons</i>	<i>Tons</i>			<i>Tons</i>	<i>Tons</i>
Sugar beets.....	61,963	71,250	744,145	778,365	5,843,489	5,592,982	12.0	10.9
Cane.....	1,169	931	4,097	2,659	29,575	28,990	3.5	2.8
Other crops.....	52,979	98,436			339,060	529,809		
Duplication.....	275,225	287,631						

¹ Data for Strawberry Valley project included in totals but not in individual crops—acreage, 12,980; value, \$405,980.

No. 558.—GOVERNMENT IRRIGATION: SUMMARY OF CONSTRUCTION WORK

NOTE.—See general note, p. 599

Item	Fiscal year 1923	To June 30, 1923	Item	Fiscal year 1923	To June 30, 1923
Reservoir capacity available (original).....acre-feet.....	272, 870	12, 829, 523	Culverts.....number.....	596	13, 521
Canals, ditches, and drains, total length.....miles.....	256.7	16, 412.7	Lengths.....feet.....	82, 875	509, 779
Canals, total.....do.....	49.9	13, 083.3	Pipe, length.....do.....	171, 510	3, 931, 810
Second-foot capacity—			Flumes.....number.....	143	4, 693
Over 800.....miles.....	24.9	546.5	Length.....feet.....	6, 349	842, 920
301 to 800.....do.....	7.6	735.8	Canals, lined, length:		
50 to 300.....do.....	.9	2, 324.3	Concrete.....miles.....	6.2	470.8
Less than 50.....do.....	16.5	0, 496.7	Wood.....do.....		4.1
Waste-water ditches.....miles.....	4.0	1, 061.2	Buildings.....number.....	6	1, 678
Drains, open.....do.....	191.8	2, 042.4	Wells.....do.....	3	688
Drains, closed.....do.....	10.1	225.8	Depth.....feet.....	274	72, 553
Tunnels.....number.....	8	113	Roads.....miles.....	4.7	-1, 089.5
Length.....feet.....	8, 011	164, 083	Railroads.....do.....	4.9	87.9
Storage and diversion dams, total.....cubic yards.....	670, 058	20, 883, 300	Telephone lines.....do.....		3, 350.3
Masonry.....do.....	106, 716	2, 716, 163	Transmission lines.....do.....	153.4	1, 914.9
Earth.....do.....	392, 064	16, 082, 473	Power developed, water and steam.....horsepower.....	10, 200	166, 103
Rock fill and crib.....do.....	177, 578	2, 074, 733	Excavation, total		
Dikes and levees:			Class 1, earth.....cubic yards.....	10, 399, 874	266, 826, 132
Length.....feet.....	150, 013	1, 294, 122	Class 2, indurated material.....cubic yards.....	8, 323, 327	240, 605, 663
Volume.....cubic yards.....	305, 801	6, 717, 369	Class 3, rock.....do.....	1, 388, 216	14, 482, 633
Canal structures:			Riprap laid.....do.....	690, 331	11, 677, 836
Concrete.....number.....	567	55, 878	Paving laid.....square yards.....	20, 351	2, 515, 400
Wood.....do.....	303	90, 280	Concrete laid.....cubic yards.....	11, 851	1, 083, 904
Bridges.....do.....	158	11, 332	Cement used.....barrels.....	160, 727	4, 011, 800
Length.....feet.....	6, 894	269, 520	Granite.....square yards.....	174, 120	4, 429, 427
				754, 868	

Source: Bureau of Reclamation, Department of the Interior.

No. 559.—IRRIGATION: SUMMARY FOR THE UNITED STATES, 1910 AND 1920

NOTE.—See general note, p. 599. Tables 559 to 563 relate to systematic irrigation enterprises and do not cover small irrigation work by individual farmers. They are based on reports of the management of the enterprises. An enterprise is defined as "an independent irrigation establishment and includes the works for supplying water and the land for which water is supplied, except that the cost and value of the land is not included in the capital invested." Statistics cover all States which have irrigation enterprises

Item	Census of—		Increase ¹	
	1910	1920	Amount	Per cent
Number of all farms in 19 States included.....	1, 776, 046	1, 916, 391	140, 345	7.9
Approximate land area of States included.....acres.....	1, 224, 063, 360	1, 223, 089, 120	² -74, 240	(³)
All land in farms in States included.....do.....	410, 462, 547	505, 440, 954	88, 978, 407	21.4
Improved land in farms in States included.....do.....	186, 786, 227	214, 689, 819	27, 903, 592	14.9
Number of farms irrigated.....	162, 723	231, 541	68, 818	42.3
Area irrigated.....acres.....	14, 433, 285	19, 191, 716	4, 758, 431	33.0
Area enterprises were capable of irrigating.....do.....	20, 285, 403	26, 020, 477	5, 735, 074	28.3
Area included in enterprises.....do.....	32, 245, 464	35, 800, 821	3, 645, 357	11.3
Per cent irrigated:				
Number of all farms.....	0.2	12.1	2.9	---
Approximate land area.....	1.2	1.6	.4	---
Land in farms.....	3.5	3.8	.3	---
Improved land in farms.....	7.7	8.0	1.2	---
Excess of area enterprises were capable of irrigating over area irrigated.....acres.....	5, 852, 118	6, 828, 761	976, 643	16.7
Excess of area included in enterprises over area irrigated.....acres.....	17, 812, 179	16, 699, 105	-1, 113, 074	-6.2
Area of irrigated land reported as available for settlement.....acres.....	(⁴)	2, 257, 981		
Capital invested.....dollars.....	321, 454, 008	607, 657, 323	376, 203, 320	117.0
Average per acre enterprises were capable of irrigating.....dollars.....	15.85	26.81	10.96	69.1
Estimated final cost of existing enterprises.....do.....	437, 948, 825	819, 778, 005	381, 829, 180	87.2
Average per acre included in enterprises.....do.....	13.58	22.84	9.26	68.2

¹ A minus sign (-) denotes decrease.

² Decrease due to the building of several reservoirs in connection with irrigation projects.

³ Less than one-tenth of 1 per cent decrease.

⁴ Figures are for 1909 and 1913, respectively.

⁵ Not reported in 1910.

Source: Bureau of the Census, Department of Commerce.

No. 560.—IRRIGATION: ACREAGE AND CAPITAL INVESTED, BY CHARACTER OF ENTERPRISE, 1910 AND 1920

NOTE.—See headnote, Table 559

Item and class	Area irrigated (acres)		Area enterprises were capable of irrigating (acres)		Area included in enterprises (acres)		Capital invested (thousands of dollars), 1920
	1909	1919	1910	1920	1910	1920	
Total.....	14, 433, 285	19, 191, 716	20, 285, 403	26, 020, 477	32, 245, 404	35, 890, 821	697, 667
Individual and partnership	6, 594, 614	9, 348, 807	8, 086, 766	9, 255, 756	10, 621, 067	13, 008, 415	154, 634
Cooperative.....	4, 043, 539	6, 681, 400	6, 191, 577	8, 403, 298	8, 830, 197	10, 628, 543	183, 042
Irrigation district.....	528, 042	1, 822, 887	800, 451	2, 531, 425	1, 581, 465	3, 432, 109	88, 574
Carey Act.....	288, 553	523, 929	1, 089, 677	804, 298	2, 873, 874	1, 188, 037	32, 681
Commercial.....	1, 809, 379	1, 822, 001	2, 954, 166	2, 799, 503	5, 786, 777	3, 900, 581	85, 735
United States Reclamation Service.....	395, 646	1, 254, 569	786, 190	1, 680, 643	1, 973, 016	2, 627, 176	120, 510
United States Indian Service.....	172, 012	284, 551	376, 576	484, 436	879, 068	932, 985	14, 851
State.....	(1)	5, 020	(1)	7, 379	(1)	0, 681	344
City.....	(1)	40, 146	(1)	44, 458	(1)	49, 050	2, 937
Other and mixed.....	(1)	7, 236	(1)	8, 546	(1)	13, 144	5, 310
Not reported.....	(1)	570	(1)	625	(1)	700	40

¹ Not included in classification in 1910.

Source: Bureau of the Census, Department of Commerce.

No. 561.—IRRIGATION: ACREAGE AND CAPITAL INVESTED, BY DRAINAGE BASINS, 1902 AND 1920

NOTE.—See headnote, Table 559

Drainage basin	Area irrigated (acres)		Area enterprises were capable of irrigating, 1920 (acres)	Area included in enterprises in 1920 (acres)	Capital invested (thousands of dollars)	
	1902	1910			1902	1920
Total.....	8, 874, 408	19, 101, 716	26, 020, 477	35, 890, 821	82, 532	697, 667
Missouri River and tributaries.....	2, 533, 237	4, 147, 278	5, 805, 030	8, 483, 171	10, 176	131, 553
Mississippi River and tributaries other than Missouri River.....	393, 687	968, 493	1, 152, 261	1, 543, 064	4, 620	35, 184
Gulf of Mexico streams other than Mississippi River and Rio Grande.....	21, 333	698, 077	1, 157, 529	1, 602, 169	501	20, 440
Rio Grande and tributaries.....	406, 587	1, 293, 803	1, 887, 433	2, 594, 127	6, 367	34, 173
Independent streams in Rio Grande drainage basin.....	8, 355	18, 992	26, 852	34, 026	127	651
Colorado River and tributaries.....	927, 183	2, 312, 047	2, 986, 937	4, 064, 492	11, 299	86, 097
White Water Draw and tributaries.....	384	5, 871	9, 950	10, 623	7	299
Great Basin.....	1, 639, 473	2, 313, 163	2, 869, 858	4, 238, 028	10, 890	66, 589
Columbia River and tributaries.....	1, 297, 437	3, 873, 245	4, 968, 518	6, 336, 801	10, 851	145, 672
Pacific Ocean streams other than Columbia and Colorado Rivers.....	1, 556, 232	3, 570, 687	5, 155, 509	6, 078, 320	21, 604	167, 398

Source: Bureau of the Census, Department of Commerce.

No. 562.—IRRIGATION: AREA IN IRRIGATION ENTERPRISES, CAPITAL INVESTED, AND COST OF OPERATION AND MAINTENANCE, 1910 AND 1920, BY STATES

NOTE.—See headnote, Table 559

State	Area included in enterprises (acres)			Area enterprises were capable of irrigating (acres)			Area irrigated (acres)		
	1910	1920	Per cent of increase ¹	1910	1920	Per cent of increase ¹	1900	1919	Per cent of increase ¹
Total.....	32,245,464	35,890,921	11.3	20,285,403	26,020,477	28.3	14,433,235	19,191,716	33.0
Arizona.....	944,090	813,163	-13.9	387,055	627,303	61.8	320,051	467,565	46.1
Arkansas.....	52,883	246,480	366.1	47,136	179,013	279.8	27,753	143,946	418.7
California.....	5,490,360	7,805,207	42.2	3,019,378	5,804,466	62.9	2,064,104	4,219,040	58.4
Colorado.....	5,917,457	5,220,588	-11.8	3,990,166	3,855,348	-3.4	2,792,032	3,348,385	19.9
Idaho.....	3,540,673	3,780,048	6.5	2,388,950	3,092,810	29.5	1,430,848	2,488,806	73.9
Kansas.....	161,300	102,562	-36.4	139,995	67,853	-51.5	37,470	47,312	26.2
Louisiana.....	581,965	851,211	46.3	553,220	728,742	31.7	380,200	454,582	19.0
Montana.....	3,515,002	4,320,148	23.1	2,205,155	2,758,498	24.9	1,079,084	1,081,729	.2
Nebraska.....	680,133	766,768	12.7	420,225	592,468	31.0	255,050	442,600	73.0
Nevada.....	1,232,142	1,382,030	12.2	840,002	704,708	-10.2	701,833	561,447	-20.0
New Mexico.....	1,102,297	961,879	-12.7	644,970	696,119	7.9	461,718	538,377	16.6
North Dakota.....	38,173	57,476	50.6	21,917	34,235	56.2	10,248	12,072	17.8
Oklahoma.....	8,528	11,742	37.7	6,397	9,672	51.2	4,388	2,969	-32.3
Oregon.....	2,527,208	1,925,987	-23.8	830,526	1,844,046	61.8	680,129	986,162	43.7
South Dakota.....	201,025	188,392	-6.6	128,481	150,914	17.5	63,216	100,682	59.2
Texas.....	1,253,173	1,687,447	34.7	600,991	1,150,542	60.5	451,130	586,120	29.9
Utah.....	1,947,625	2,350,244	21.1	1,250,246	1,700,550	36.0	999,410	1,371,651	37.2
Washington.....	817,032	836,795	2.4	470,514	937,151	35.4	334,378	529,890	58.5
Wyoming.....	2,224,298	2,594,008	15.3	1,030,510	1,831,039	11.7	1,133,302	1,207,982	6.6

State	Capital invested (dollars)				Estimated final cost (dollars)				Average cost of operation and maintenance per acre (dollars) ^{3,4}	
	Amount		Average per acre		Amount		Average per acre		1909	1919
	1910	1920	1910	1920	1910	1920	1910	1920		
Total.....	321,454,008	697,657,328	15.85	28.81	437,948,825	819,770,005	13.58	22.84	1.07	2.43
Arizona.....	17,077,906	33,498,094	46.60	53.40	24,828,868	34,615,064	26.30	42.57	0.98	3.27
Arkansas.....	587,834	7,183,322	12.47	40.13	612,834	7,283,522	11.59	29.55	(*)	13.67
California.....	72,580,030	194,896,388	20.05	33.06	84,392,344	225,799,123	15.37	28.93	1.54	4.40
Colorado.....	58,036,443	88,302,442	14.19	22.90	76,448,239	95,108,423	12.92	18.24	.75	.87
Idaho.....	40,977,688	91,501,000	17.15	29.59	58,451,106	97,019,717	16.47	25.07	.63	1.17
Kansas.....	1,365,563	2,007,381	9.75	30.47	1,305,563	2,195,981	8.47	21.41	1.59	3.29
Louisiana.....	6,859,166	14,063,181	12.40	19.30	6,914,166	14,264,178	11.88	16.76	7.01	7.01
Montana.....	22,970,968	52,143,363	10.42	18.94	32,382,077	70,079,028	9.21	16.19	.89	1.26
Nebraska.....	7,798,310	13,109,185	18.17	24.73	6,485,231	18,030,154	13.95	23.51	1.09	1.48
Nevada.....	6,721,924	14,754,280	7.09	20.04	12,188,756	22,648,747	9.89	16.39	.97	.79
New Mexico.....	9,154,897	18,210,412	14.19	26.10	11,040,091	20,440,046	10.56	21.25	1.36	2.41
North Dakota.....	836,482	1,857,118	38.17	54.25	836,482	21,072,760	21.91	36.06	2.40	5.50
Oklahoma.....	47,200	151,325	7.38	15.05	47,200	102,775	5.63	13.86	.61	2.92
Oregon.....	12,760,214	28,029,151	15.36	21.52	39,216,619	41,585,742	15.52	21.59	.75	1.19
South Dakota.....	3,043,140	5,405,248	23.69	36.21	3,800,556	5,500,748	18.85	20.20	.64	1.26
Texas.....	13,487,347	32,072,739	10.52	30.48	14,754,172	30,860,871	11.77	23.62	3.25	6.02
Utah.....	14,028,717	35,037,351	11.22	18.84	17,840,775	33,835,641	9.16	14.34	.65	1.08
Washington.....	16,219,149	28,290,011	34.47	45.98	22,322,856	37,684,591	27.32	45.03	3.08	1.45
Wyoming.....	17,700,980	34,326,328	10.80	18.75	20,425,890	51,500,288	9.18	20.08	.86	3.04

¹ A minus sign (-) denotes decrease.

² Figures for 1909 do not include cost of operation and maintenance for rice-growing districts in Gulf States; consequently, figures for 1909 and 1919 are not comparable.

³ When water is pumped, cost of operation and maintenance includes cost of fuel and attendance.

⁴ Not reported in 1909.

Source: Bureau of the Census, Department of Commerce.

No. 563.—IRRIGATION: CROPS GROWN ON IRRIGATED LAND, 1919

NOTE.—See headnotes, Tables 559 and 564. The figures given are probably incomplete but are fairly indicative of the relative importance of different crops on irrigated land and of the average yields and values per acre. For comparison the average yields per acre on nonirrigated land in the States having irrigation projects (not for the entire country) are shown

Crop	Area harvested (acres)	Quantity harvested		Average yield per acre in States having irrigation enterprises		Value (dollars)	
		Unit	Amount	On irrigated land	On nonirrigated land	Amount	Average per acre
Cereals:							
Corn.....	263,312	Bushel..	7,525,354	28.6	21.8	11,602,813	44.41
Oats.....	325,523	do.....	9,361,125	28.8	26.5	9,534,495	29.29
Winter wheat.....	381,127	do.....	7,115,303	18.7	14.1	15,269,840	40.06
Spring wheat.....	877,411	do.....	17,679,328	20.1	7.6	37,556,853	42.80
Barley.....	280,237	do.....	7,202,430	25.7	17.3	10,775,076	38.44
Rye.....	10,014	do.....	168,977	8.0	7.4	295,987	15.57
Kafr, milo, etc.....	152,768	do.....	4,100,338	26.8	10.6	6,725,561	44.02
Rice (rough) ¹	892,761	do.....	35,032,275	39.2	4.1	96,368,090	107.94
Other grains and seeds:							
Clover and alfalfa seed ²	39,431	do.....	161,587	4.1	1.4	3,461,762	87.79
Dry beans, navy, etc.....	177,762	do.....	2,862,567	16.1	10.3	12,986,298	73.06
Dry peas, Canada.....	51,464	do.....	637,560	12.4	10.0	2,042,455	39.69
Hay and forage:							
Timothy alone.....	140,607	Ton.....	178,112	1.27	1.09	4,582,905	32.59
Timothy and clover mixed.....	302,260	do.....	569,591	1.45	1.50	13,782,635	35.14
Clover alone.....	40,879	do.....	63,465	1.55	1.56	1,334,600	32.65
Alfalfa.....	3,151,675	do.....	8,430,760	2.68	1.84	186,301,209	59.14
Other tame grasses.....	254,313	do.....	316,803	1.25	1.32	6,473,377	25.45
Wild, salt, or prairie grasses.....	1,034,507	do.....	951,345	.92	.82	17,954,630	17.36
Small grains cut for hay.....	201,697	do.....	372,730	1.28	.92	8,448,901	28.96
Annual legumes cut for hay.....	19,851	do.....	28,334	1.43	1.20	494,052	24.89
Silage crops.....	56,424	do.....	388,830	6.80	4.64	3,831,525	67.91
Corn cut for forage.....	36,680	do.....	87,389	2.38	1.61	1,121,730	30.67
Kafr, sorghum, etc., for forage.....	51,981	do.....	106,035	2.04	1.68	1,614,325	31.06
Root crops for forage.....	2,631	do.....	19,543	7.43	11.11	340,329	129.35
Vegetables:							
Potatoes.....	154,194	Bushel..	22,978,730	149.0	64.9	50,778,963	329.32
Cantaloupes and muskmelons.....	20,874	do.....	do.....	do.....	do.....	3,853,037	184.59
Tomatoes.....	20,649	do.....	do.....	do.....	do.....	2,701,968	130.85
Orchard fruits:							
Grapes.....	³ 73,675,084	Pound..	1,131,270,420	⁴ 15.4	⁴ 11.3	36,304,252	-----
Apples.....	⁵ 9,085,320	Bushel..	22,406,306	⁶ 2.5	⁶ 1.7	24,566,584	-----
Peaches.....	⁵ 7,662,692	do.....	13,224,500	⁶ 1.9	⁶ 1.2	24,670,204	-----
Pears.....	⁵ 1,849,429	do.....	3,470,806	⁶ 1.9	⁶ 1.4	4,695,848	-----
Plums and prunes.....	⁵ 4,306,976	do.....	7,074,240	⁶ 1.6	⁶ 1.0	15,188,490	-----
Cherries.....	⁵ 667,907	do.....	578,354	⁶ 0.9	⁶ 0.6	2,139,891	-----
Subtropical fruits:							
Oranges.....	⁵ 8,711,153	Box.....	18,774,366	⁶ 2.2	⁶ 1.8	58,244,422	-----
Lemons.....	⁵ 2,295,716	do.....	5,770,140	⁶ 2.5	⁶ 1.3	16,750,832	-----
Miscellaneous:							
Sugar beets grown for sugar.....	377,655	Ton.....	3,567,522	0.45	8.38	88,831,339	102.82
Cotton.....	214,576	Bale.....	113,862	.53	.28	80,457,881	141.94

¹ Quantity harvested and value given for irrigated land were not tabulated separately. The totals given include small amounts of rice grown without irrigation.

² Not including red clover seed.

³ Number of vines of bearing age.

⁴ Yield per vine.

⁵ Number of trees of bearing age.

⁶ Yield per tree.

Source: Bureau of the Census, Department of Commerce.

No. 564.—IRRIGATION: ACREAGE AND VALUE OF CROPS GROWN ON IRRIGATED LAND, 1919

NOTE.—The data in this table are from schedules of individual farmers and not from the managements of irrigation enterprises, as in the case of Table 563. It is believed that the returns are incomplete, some crops actually grown on irrigated land not having been distinguished as such. In the tabulation for each State crops of which the aggregate area in the State was reported as less than 500 acres were omitted, but these form such a small part of the total as to be negligible

State	Acreage	Value (dollars)		State	Acreage	Value (dollars)	
		Amount	Average per acre			Amount	Average per acre
Total	10,482,663	801,005,326	76.41	Nevada.....	331,177	12,360,593	37.41
Arizona.....	333,618	34,190,780	102.40	New Mexico...	233,803	11,400,144	48.74
Arkansas.....	143,946	18,352,240	127.40	North Dakota..	25,280	207,148	10.87
California.....	2,329,052	319,208,503	137.00	Oklahoma.....	(1)		
Colorado.....	1,946,678	109,215,136	51.48	Oregon.....	274,684	12,264,191	44.77
Idaho.....	1,203,270	70,830,746	63.85	South Dakota..	67,021	2,403,548	35.80
Kansas.....	28,502	842,161	29.55	Texas.....	295,353	22,343,976	75.05
Louisiana.....	454,882	42,735,849	93.95	Utah.....	843,210	50,114,342	59.43
Montana.....	867,226	30,382,074	35.03	Washington....	366,108	39,801,610	109.71
Nebraska.....	109,815	11,547,070	57.70	Wyoming.....	509,045	15,683,997	30.76

¹ No one crop reported with as much as 500 acres.

Source: Bureau of the Census, Department of Commerce.

No. 565.—DRAINAGE OF FARM LANDS AND DRAINAGE OF OPERATING ENTERPRISES IN THE UNITED STATES, 1920

NOTE.—The statistics of drainage on farms in the first part of this table and the statistics of drainage enterprises in the second part are from wholly different sources and are not comparable. The former are from schedules of individual farmers and the latter from a special canvass of organized drainage enterprises. The farm may have artificial drainage without being connected with any general enterprise. Conversely, a general enterprise may facilitate the ultimate removal of water from a farm which has itself no artificial drainage. The statements of farmers as to additional land needing drainage are likely to be less precise than those as to area actually drained artificially. Drainage enterprises comprise public corporations and local improvement districts established under State laws relating to drainage, commercial enterprises draining land for sale, other organizations engaged in extensive land drainage work, and tracts of 500 acres or more drained by individual farm owners. The enterprises in some States include considerable areas of timber and other unimproved land not in farms. The canvass of drainage enterprises did not include any of the northeastern States, and no enterprises were found in Alabama, Virginia, or West Virginia

Item	Amount	Per cent of total	Item	Amount	Per cent of total
DRAINAGE ON FARMS			DRAINAGE ENTERPRISES		
Number of all farms in the United States.....	6,448,343	100.0	Approximate land area of States included.....acres..	1,717,932,160	100.0
Farms reporting land having drainage.....	924,815	14.3	All land in operating drainage enterprises.....acres..	65,495,038	3.8
Farms reporting land needing drainage.....	950,095	14.8	Improved land.....do....	44,288,235	2.6
Farms reporting both land provided with drainage and land needing drainage.....	402,623	6.2	Timber and cut-over land.....acres.....	11,283,532	.7
All land in farms.....acres..	955,883,715	100.0	Other unimproved land.....acres..	9,923,271	.6
Improved land in farms.....acres..	503,073,007	52.6	Total capital invested in and required for completion of operating enterprises.....dollars..	434,594,979	100.0
Farm land reported as provided with drainage.....acres..	53,024,975	5.5	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	372,273,567	86.7
Farm land reported as needing drainage.....acres..	30,160,630	4.1	Additional capital required to complete these enterprises.....dollars..	62,321,412	14.3

Source: Bureau of the Census, Department of Commerce.

No. 566.—DRAINAGE ENTERPRISES CLASSIFIED BY CHARACTER OF ORGANIZATION: 1920

NOTE.—See headnote, Table 565

Character of enterprise	Operating enterprises			Nonoperating enterprises		
	Land in enterprises (acres) ¹	Capital (dollars)		Land in enterprises (acres) ¹	Capital (dollars)	
		Invested to Dec. 31, 1919	Additional required to complete		Invested to Dec. 31, 1919	Additional required to complete
Total.....	65,495,038	372,273,567	62,321,412	3,924,821	1,123,458	34,937,678
Drainage districts.....	22,069,597	172,013,972	30,136,568	3,260,104	772,834	26,339,970
General State laws.....	20,239,956	147,511,269	24,593,523	2,067,056	752,830	25,073,970
Special acts.....	1,829,641	24,502,713	14,543,045	593,048	20,004	1,266,000
County drains.....	37,870,803	169,743,093	9,682,477	596,094	302,224	8,139,808
Township drains.....	195,133	574,063	4,500	423		2,400
State drainage projects.....	1,422,844	6,845,420	6,434,440			
United States Reclamation Service.....	287,809	3,012,370	2,530,243	7,000		150,000
Irrigation districts.....	175,200	1,459,714	2,553,820			
Commercial developments.....	212,421	3,279,829	1,128,000	50,000	45,000	150,000
Individual ownership.....	432,397	6,449,262	841,760	10,000	3,400	155,500
Character not precisely reported ²	2,828,744	7,094,045	9,605			

¹ Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

² All except 35,062 acres and \$218,951 invested to Dec. 31, 1919, relate to either drainage districts or county drains in Indiana.

Source: Bureau of the Census, Department of Commerce.

No. 567.—DRAINAGE OF OPERATING ENTERPRISES CLASSIFIED BY DATE OF ORGANIZATION: 1920

NOTE.—See headnote, Table 565

Date of organization	Land		Capital (dollars)		Cost per acre assessed acreage (dollars)
	Area in enterprises (acres) ¹	Assessed acreage ¹	Invested to Dec. 31, 1919	Additional required to complete	
Total.....	65,495,038	95,629,291	372,273,567	62,321,412	4.54
Before 1860.....	97,319	98,119	182,716		1.89
1860 to 1869.....	783,367	932,565	1,039,852		1.81
1870 to 1879.....	2,077,717	3,413,277	8,126,391		2.38
1880 to 1889.....	5,424,294	8,843,054	23,934,330	1,840,820	2.91
1890 to 1899.....	6,026,937	11,576,924	24,498,861	521,310	2.16
1900 to 1904.....	7,606,753	12,200,468	26,706,464	709,063	2.25
1905 to 1909.....	14,530,397	20,228,036	76,072,320	7,612,491	4.14
1910 to 1914.....	17,344,093	22,245,539	120,269,596	14,456,410	6.19
1915 to 1919.....	11,374,619	16,828,501	87,370,002	36,771,650	7.84
Not reported.....	229,547	262,008	3,414,035	410,659	14.56

¹ Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

² These figures represent the sums of the areas in all the enterprises, without deducting for overlapping.

Source: Bureau of the Census, Department of Commerce.

No. 568.—DRAINAGE OF FARM LANDS AND DRAINAGE OF OPERATING ENTERPRISES: By Divisions and States, 1920

NOTE.—See headnote, Table 565, especially as regards the difference in the basis of the first four columns as compared with the last four columns and as to areas not covered by statistics of enterprises

Division and State	Farm lands				Organized and operating drainage enterprises			
	With artificial drainage		Additional land (acres) needing—		Total acreage included ¹	Improved acreage ¹	Capital invested (thousands of dollars)	
	Acreage	Per cent of all improved land	Drainage only	Drainage and clearing			Invested to Dec. 31, 1919	Additional required to complete
United States.....	63, 024, 975	10. 5	10, 459, 181	28, 710, 468	65, 495, 038	44, 288, 235	372, 274	62, 321
New England.....	129, 799	2. 1	88, 991	310, 276	-----	-----	-----	-----
Maine.....	26, 302	1. 3	19, 930	122, 123	-----	-----	-----	-----
New Hampshire.....	11, 777	1. 7	9, 014	30, 869	-----	-----	-----	-----
Vermont.....	35, 649	2. 1	19, 265	49, 647	-----	-----	-----	-----
Massachusetts.....	39, 022	4. 3	21, 212	59, 071	-----	-----	-----	-----
Rhode Island.....	2, 403	1. 8	2, 240	5, 934	-----	-----	-----	-----
Connecticut.....	14, 646	2. 1	14, 430	42, 032	-----	-----	-----	-----
Middle Atlantic.....	1, 673, 636	6. 3	505, 010	906, 128	-----	-----	-----	-----
New York.....	1, 180, 423	9. 0	318, 865	460, 602	-----	-----	-----	-----
New Jersey.....	174, 200	11. 2	20, 193	48, 688	-----	-----	-----	-----
Pennsylvania.....	318, 955	2. 7	157, 852	306, 838	-----	-----	-----	-----
East North Central.....	30, 737, 056	35. 0	3, 243, 427	5, 686, 929	81, 627, 176	25, 282, 065	134, 270	9, 453
Ohio.....	7, 305, 322	30. 7	886, 557	1, 123, 323	8, 107, 204	6, 707, 328	30, 080	91
Indiana.....	8, 308, 844	49. 8	673, 952	1, 043, 110	9, 087, 183	7, 605, 565	31, 148	796
Illinois.....	11, 247, 637	41. 2	641, 498	587, 246	3, 909, 049	3, 532, 316	43, 595	7, 798
Michigan.....	3, 156, 632	24. 4	579, 813	1, 490, 574	9, 729, 171	7, 182, 352	24, 684	365
Wisconsin.....	668, 411	5. 3	461, 612	1, 377, 661	794, 509	254, 504	4, 163	402
West North Central.....	11, 758, 939	6. 9	4, 187, 885	8, 073, 154	19, 217, 387	11, 630, 279	121, 562	11, 633
Minnesota.....	2, 993, 034	13. 9	1, 801, 457	1, 703, 117	9, 232, 709	3, 818, 490	42, 017	2, 166
Iowa.....	7, 334, 404	25. 6	1, 601, 744	391, 198	5, 224, 478	4, 493, 407	49, 627	4, 543
Missouri.....	859, 603	3. 5	163, 178	667, 515	2, 596, 204	1, 474, 302	20, 723	4, 027
North Dakota.....	89, 054	. 04	53, 161	158, 144	1, 240, 328	1, 026, 874	2, 208	53
South Dakota.....	161, 371	. 00	356, 049	90, 866	222, 062	178, 540	1, 461	272
Nebraska.....	214, 428	. 09	115, 425	30, 393	607, 730	551, 517	4, 589	298
Kansas.....	106, 985	. 03	36, 371	31, 921	93, 856	87, 449	937	274
South Atlantic.....	2, 865, 072	5. 9	696, 687	6, 814, 543	2, 365, 394	388, 345	18, 847	14, 476
Delaware.....	185, 831	28. 5	7, 967	61, 002	-----	-----	-----	-----
Maryland.....	249, 799	8. 0	33, 267	151, 553	-----	-----	-----	-----
Dist. of Columbia.....	197	4. 6	58	57	-----	-----	-----	-----
Virginia.....	225, 068	2. 4	77, 192	1, 095, 388	-----	-----	-----	-----
West Virginia.....	38, 464	. 7	32, 253	278, 615	-----	-----	-----	-----
North Carolina.....	1, 066, 933	13. 0	189, 401	1, 735, 942	542, 828	204, 928	3, 624	903
South Carolina.....	676, 152	10. 9	125, 548	1, 216, 355	140, 031	59, 075	582	354
Georgia.....	274, 688	2. 1	143, 187	1, 076, 424	65, 452	29, 753	795	304
Florida.....	147, 940	6. 4	87, 814	599, 207	1, 637, 073	94, 589	13, 847	12, 916
East South Central.....	1, 720, 517	3. 9	462, 040	3, 817, 928	2, 393, 595	1, 349, 791	11, 524	2, 306
Kentucky.....	225, 228	1. 6	84, 189	489, 110	358, 480	245, 334	1, 522	299
Tennessee.....	254, 118	2. 3	76, 644	563, 835	363, 671	163, 218	2, 026	522
Alabama.....	415, 293	4. 2	150, 028	1, 460, 028	-----	-----	-----	-----
Mississippi.....	825, 878	8. 0	151, 179	1, 304, 356	1, 601, 444	941, 239	7, 076	1, 485
West South Central.....	2, 365, 701	3. 7	734, 305	6, 400, 267	7, 924, 197	3, 877, 166	28, 946	13, 411
Arkansas.....	497, 489	5. 4	129, 987	1, 512, 416	3, 479, 591	1, 491, 777	14, 147	11, 741
Louisiana.....	1, 004, 935	17. 9	179, 305	916, 404	2, 266, 328	1, 269, 391	9, 022	969
Oklahoma.....	107, 014	. 06	39, 788	225, 998	12, 150	8, 845	76	1
Texas.....	756, 263	2. 4	385, 225	3, 746, 389	2, 160, 128	1, 107, 153	5, 701	700
Mountain.....	466, 015	1. 5	329, 359	640, 869	810, 076	635, 666	7, 840	4, 699
Montana.....	51, 146	. 05	36, 342	76, 951	165, 682	141, 252	665	181
Idaho.....	64, 048	1. 4	37, 566	162, 308	64, 642	52, 098	1, 660	120
Wyoming.....	35, 654	1. 7	23, 837	45, 229	95, 474	84, 846	1, 176	401
Colorado.....	127, 037	1. 6	80, 121	199, 876	171, 656	123, 031	1, 652	203
New Mexico.....	47, 311	2. 8	29, 010	29, 086	140, 219	92, 477	1, 711	1, 196
Arizona.....	9, 651	1. 4	9, 590	32, 355	89, 640	36, 850	414	612
Utah.....	74, 316	4. 3	74, 780	91, 140	113, 823	97, 314	1, 005	1, 805
Nevada.....	46, 282	7. 8	38, 095	21, 644	15, 940	7, 970	118	-----
Pacific.....	1, 318, 288	6. 5	213, 077	1, 120, 644	1, 207, 243	1, 124, 721	49, 285	6, 373
Washington.....	274, 696	3. 9	45, 206	539, 799	94, 924	81, 836	1, 397	39
Oregon.....	229, 582	4. 7	75, 068	396, 333	4, 000	4, 000	200	-----
California.....	813, 990	6. 9	92, 808	193, 512	1, 108, 319	1, 038, 835	47, 637	6, 334

¹ Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

Source: Bureau of the Census, Department of Commerce.

25.—FARMS—GENERAL STATISTICS

[Data in this section relate to continental United States]

No. 569.—POPULATION, FARMS, AND FARM PROPERTY

NOTE.—The schedule for 1925 did not call for "improved land." The combined total for "crop land," 391,459,902 acres, and "plowable pasture land," 113,567,498 acres, aggregating 505,027,400 acres, corresponds in a rough way to the definition of "improved land" at previous censuses. Figures for 1920 and 1925 relate to Jan. 1, for 1910 to Apr. 15, and for earlier years to June 1

Item	1850	1880	1890	1900	1910	1920	1925
Total population.....	23, 191, 876	50, 155, 783	62, 047, 714	75, 904, 575	91, 972, 266	105, 710, 620	115, 378, 000
Urban.....	14, 353, 167	22, 298, 359	30, 880, 433	42, 163, 120	54, 304, 608	62, 708, 000	62, 708, 000
Rural ¹	8, 838, 709	28, 857, 424	31, 167, 281	33, 741, 455	37, 667, 658	43, 002, 620	52, 670, 000
Per cent of total.....	71.4	64.0	64.0	60.0	54.2	48.6	45.6
Farm population ²	-----	-----	-----	-----	-----	31, 014, 209	28, 981, 668
Per cent of total.....	-----	-----	-----	-----	-----	29.9	25.1
Per cent of rural.....	-----	-----	-----	-----	-----	61.5	55.1
Number of farms.....	1, 449, 078	4, 008, 807	4, 564, 641	5, 737, 372	6, 361, 502	6, 448, 348	6, 371, 640
Acreage in thousands—							
Approximate land area of United States.....	1, 884, 376	1, 903, 338	1, 903, 338	1, 903, 462	1, 903, 290	1, 903, 215	1, 903, 217
All lands in farms.....	293, 561	536, 082	623, 219	838, 592	878, 798	955, 694	924, 319
Improved land.....	113, 033	284, 771	357, 017	414, 408	478, 452	503, 073	(³)
Unimproved land.....	180, 528	251, 311	266, 202	424, 093	400, 347	452, 621	(³)
Per cent of total land area represented by all land in farms.....	15.6	28.2	32.7	44.1	46.2	50.2	48.6
Improved farm land.....	6.0	15.0	18.8	21.8	25.1	26.4	(³)
Unimproved farm land.....	9.6	13.2	14.0	22.3	21.0	23.8	(³)
Average acreage per farm, all land.....	202.6	138.7	136.5	146.2	138.1	148.2	145.1
Inhabitants per 1,000 acres of improved farm land.....	205	176	176	183	192	210	(³)
Value of all farm property (thousands of dollars).....	3, 967, 344	12, 180, 502	16, 082, 268	20, 439, 901	40, 991, 449	77, 923, 652	57, 017, 740
Land and buildings.....	3, 271, 575	10, 197, 097	13, 279, 253	16, 614, 647	34, 801, 123	66, 316, 003	49, 467, 647
Land ⁴	-----	-----	-----	-----	-----	-----	-----
Buildings.....	-----	-----	-----	3, 556, 639	6, 325, 452	11, 486, 440	11, 746, 629
Implements and machinery.....	151, 588	406, 520	494, 247	749, 776	1, 265, 150	3, 594, 773	2, 691, 704
Livestock.....	544, 181	1, 576, 885	2, 308, 768	3, 075, 478	4, 025, 174	8, 012, 876	4, 858, 389
Per cent of value of all farm property represented by—							
Land and buildings.....	82.5	83.7	82.6	81.3	84.9	85.1	86.8
Land.....	-----	-----	-----	63.9	69.5	70.4	66.2
Buildings.....	-----	-----	-----	17.4	15.4	14.7	20.6
Implements and machinery.....	3.8	3.3	3.1	3.7	3.1	4.6	4.7
Livestock.....	13.7	12.9	14.4	15.0	12.0	10.3	8.5
Average value of all farm property per farm (dollars).....	2, 788	3, 088	3, 523	3, 588	6, 444	12, 084	8, 949
Land and buildings.....	2, 268	2, 544	-----	2, 896	5, 471	10, 284	7, 764
Land.....	-----	-----	-----	2, 276	4, 476	8, 503	5, 020
Buildings.....	-----	-----	-----	620	994	1, 781	1, 844
Implements and machinery.....	105	101	108	131	169	557	422
Livestock.....	370	393	506	536	774	1, 243	763
Average value of all farm property per acre (dollars).....	13.51	22.72	25.81	24.37	46.64	81.52	61.69
Land and buildings.....	11.14	19.02	21.81	19.81	39.60	69.38	53.52
Land.....	-----	-----	-----	15.57	32.40	57.36	40.81
Buildings.....	-----	-----	-----	4.24	7.20	12.02	12.71
Implements and machinery.....	.62	.76	.79	.89	1.44	3.76	2.91
Livestock.....	1.85	2.94	3.70	3.67	5.60	8.38	5.26

¹ Estimated.

² Population residing outside of incorporated places having 2,500 inhabitants or more, or in Massachusetts, Rhode Island, and New Hampshire, outside of towns having 2,500 inhabitants or more.

³ The 1925 farm population includes only persons living on farms; the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place.

⁴ See headnote.

⁵ These figures include the value of fences, tile drains, and other incidental improvements on the land, excluding only the value of buildings.

Source: Bureau of the Census, Department of Commerce.

No. 570.—FARM POPULATION AND TOTAL POPULATION: BY STATES

Division and State	Total population		Farm population ¹			
	1920	1925 (estimated)	1920	1925	Per cent of total population	
					1920	1925
United States.....	105,710,620	115,373,000	31,614,260	28,961,668	29.9	25.1
New England.....	7,400,000	7,987,000	625,877	657,755	8.5	8.2
Maine.....	768,014	787,000	197,601	191,062	25.7	24.3
New Hampshire.....	443,093	452,000	76,021	77,450	17.2	17.1
Vermont.....	352,428	^a 352,428	125,203	114,188	35.5	32.4
Massachusetts.....	3,852,356	^a 4,144,205	118,554	149,238	3.1	3.6
Rhode Island.....	604,397	^a 670,260	15,130	18,063	2.5	2.7
Connecticut.....	1,380,631	1,572,000	93,302	107,154	6.8	6.8
Middle Atlantic.....	22,261,144	24,238,000	1,802,780	1,817,602	8.5	7.5
New York.....	10,385,227	^a 11,162,151	800,747	707,500	7.7	6.0
New Jersey.....	3,155,000	3,000,000	143,708	139,255	4.0	3.9
Pennsylvania.....	8,720,017	9,470,000	948,334	910,847	10.0	9.6
East North Central.....	21,475,543	23,787,000	4,013,633	4,511,148	22.9	19.0
Ohio.....	5,759,394	6,470,000	1,130,320	1,031,718	19.8	15.9
Indiana.....	2,930,390	3,095,000	607,205	708,157	31.0	25.8
Illinois.....	6,485,280	7,092,000	1,098,260	906,308	16.9	14.0
Michigan.....	3,608,412	4,284,000	848,710	791,553	23.1	18.5
Wisconsin.....	2,632,067	2,840,000	920,037	893,352	35.0	31.4
West North Central.....	12,544,240	13,021,000	5,171,590	4,924,437	41.2	37.8
Minnesota.....	2,387,125	2,011,000	897,181	875,740	37.6	33.5
Iowa.....	2,404,021	^a 2,410,927	684,700	661,558	41.0	36.3
Missouri.....	3,494,955	3,484,000	1,211,346	1,094,437	35.0	31.4
North Dakota.....	646,872	^a 641,192	394,600	372,890	61.0	58.2
South Dakota.....	636,547	^a 681,260	362,221	361,770	56.9	53.1
Nebraska.....	1,296,372	1,371,000	584,172	506,660	45.1	41.3
Kansas.....	1,769,257	^a 1,812,983	737,377	701,768	41.7	38.7
South Atlantic.....	13,990,272	15,418,000	6,416,698	5,000,560	45.9	36.7
Delaware.....	223,003	238,000	51,212	44,662	23.0	18.8
Maryland.....	1,449,601	1,560,000	270,225	240,310	19.3	16.0
District of Columbia.....	437,571	514,000	804	682	2	1
Virginia.....	2,300,187	2,480,000	1,064,417	980,192	46.1	39.4
West Virginia.....	1,493,701	1,638,000	477,024	455,204	32.7	27.8
North Carolina.....	2,559,123	2,812,000	1,501,227	1,440,881	58.7	51.5
South Carolina.....	1,683,724	1,864,000	1,074,693	911,885	63.8	50.5
Georgia.....	2,895,832	3,102,000	1,685,213	1,309,594	58.2	42.2
Florida.....	668,470	^a 1,263,540	281,893	202,181	20.1	20.7
East South Central.....	8,869,807	9,240,000	5,182,697	4,031,856	58.8	50.1
Kentucky.....	2,416,430	2,508,000	1,304,862	1,103,001	54.0	46.4
Tennessee.....	2,337,885	2,448,000	1,271,708	1,173,310	54.4	47.9
Alabama.....	2,348,174	2,409,000	1,355,885	1,106,432	56.9	46.7
Mississippi.....	1,760,618	^a 1,780,618	1,270,482	1,120,107	71.0	63.1
West South Central.....	10,242,224	11,288,000	5,228,199	4,736,241	51.0	42.0
Arkansas.....	1,752,204	1,880,000	1,147,049	999,810	65.5	53.2
Louisiana.....	1,798,500	1,900,000	789,050	696,179	43.7	36.6
Oklahoma.....	2,028,283	2,294,000	1,017,327	925,609	50.2	40.4
Texas.....	4,663,228	5,212,000	2,277,773	2,114,532	48.8	40.6
Mountain.....	3,336,101	3,842,000	1,108,367	1,012,100	35.0	26.3
Montana.....	549,880	672,000	225,667	182,885	41.1	27.2
Idaho.....	431,806	508,000	203,062	172,216	46.6	33.9
Wyoming.....	194,402	229,000	67,300	61,181	34.6	26.7
Colorado.....	936,020	1,040,000	266,073	250,492	28.3	24.1
New Mexico.....	369,350	384,000	101,446	147,482	44.8	38.4
Arizona.....	334,102	428,000	90,560	71,954	27.1	16.8
Utah.....	449,396	504,000	140,249	108,850	31.2	21.6
Nevada.....	77,407	^a 77,407	10,164	17,034	20.9	22.0
Pacific.....	5,506,871	6,553,000	1,014,173	1,020,069	18.2	15.7
Washington.....	1,356,621	1,510,000	283,382	288,673	20.9	19.1
Oregon.....	739,339	863,000	214,021	210,288	27.3	24.4
California.....	3,426,801	4,180,000	516,770	531,008	15.1	12.7

¹ The 1925 farm population includes only persons living on farms; the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place.

² Population Jan. 1, 1920.

³ Population State census, 1925.

Source: Bureau of the Census, Department of Commerce.

No. 571.—CLASSIFICATION OF FARM LAND: BY STATES, 1925

NOTE.—All figures in thousands of acres. For total of land in farms, see Table 572

Division and State	Crop land				Land in pasture				Wood-land not pasture	All other land
	Total	Harvested in 1924	Crop failure in 1924	Idle or fallow	Total	Plow-able	Wood-land	Other		
United States...	391,480	344,540	13,018	33,898	407,959	113,587	76,704	217,687	67,067	57,834
New England	4,624	4,448	25	151	6,787	771	3,681	2,335	3,608	778
Maine.....	1,644	1,603	7	31	1,762	196	981	575	1,508	258
New Hampshire...	543	523	2	18	1,087	90	780	218	537	95
Vermont.....	1,150	1,127	6	17	2,176	252	1,031	892	518	83
Massachusetts.....	677	625	5	47	877	95	482	299	637	170
Rhode Island.....	76	69	(¹)	6	111	34	50	27	95	27
Connecticut.....	534	497	5	32	785	105	367	323	373	140
Middle Atlantic	18,645	16,482	214	1,940	12,319	3,963	3,480	4,888	4,173	2,361
New York.....	9,088	8,290	91	706	7,404	2,081	2,025	3,298	1,780	998
New Jersey.....	1,126	908	21	197	335	186	44	106	254	210
Pennsylvania.....	8,431	7,284	102	1,045	4,573	1,697	1,391	1,485	2,139	1,153
East North Central	64,790	59,114	1,736	3,940	35,534	14,197	12,469	8,869	4,661	7,787
Ohio.....	11,695	10,703	287	705	8,138	3,997	1,854	2,286	1,413	1,413
Indiana.....	11,981	10,016	301	1,004	5,720	2,732	1,879	1,110	898	1,876
Illinois.....	21,315	19,755	647	913	7,282	4,068	1,897	1,777	739	1,897
Michigan.....	9,671	8,502	174	996	5,723	1,756	2,407	1,559	895	1,747
Wisconsin.....	10,128	9,538	208	321	8,672	1,703	4,431	2,537	1,217	1,835
West North Central	138,827	130,970	3,481	4,307	90,800	35,610	12,240	42,951	4,917	13,536
Minnesota.....	18,651	17,930	199	526	7,903	2,103	3,556	2,184	1,194	2,311
Iowa.....	21,998	21,466	423	109	9,477	5,150	1,970	2,357	243	1,664
Missouri.....	15,278	13,721	656	872	13,290	6,850	4,780	1,000	2,026	1,430
North Dakota.....	21,804	19,877	322	1,005	8,041	3,111	337	5,403	174	3,349
South Dakota.....	16,441	15,793	347	301	13,797	6,140	288	7,361	112	1,668
Nebraska.....	20,698	19,810	501	296	19,494	4,381	657	14,450	226	1,806
Kansas.....	23,897	22,382	016	509	17,890	7,798	651	8,441	343	1,600
South Atlantic	34,649	27,312	570	6,867	20,364	7,557	7,043	4,859	24,773	8,798
Delaware.....	519	404	7	108	102	70	10	12	188	1
Maryland.....	2,228	1,778	37	413	803	526	187	180	946	367
Dist. of Columbia.....	2	2	(¹)	(¹)	1	(¹)	(¹)	(¹)	(¹)	1
Virginia.....	5,368	3,969	114	1,286	5,288	2,065	1,332	991	5,626	1,030
West Virginia.....	1,921	1,677	28	217	4,288	1,726	905	1,657	2,204	507
North Carolina.....	6,857	5,575	145	1,137	2,817	882	1,387	548	7,070	1,850
South Carolina.....	5,036	4,311	92	632	1,637	311	1,008	319	2,502	1,404
Georgia.....	10,696	8,128	112	2,456	3,849	812	2,324	713	4,722	2,679
Florida.....	2,022	1,369	35	618	1,489	258	794	438	1,498	855
East South Central	28,810	23,696	502	4,018	20,280	10,631	6,528	3,121	15,101	6,409
Kentucky.....	6,827	5,184	132	1,512	7,740	5,501	1,208	1,038	3,028	1,711
Tennessee.....	7,589	6,209	111	1,208	4,697	2,588	1,364	745	4,198	1,447
Alabama.....	7,692	6,041	102	949	3,544	1,129	1,928	487	3,856	1,617
Mississippi.....	6,700	5,662	158	880	4,201	1,412	2,028	851	3,410	1,633
West South Central	56,809	51,335	2,381	3,093	92,866	19,237	16,552	57,038	7,368	7,980
Arkansas.....	7,323	6,227	174	922	3,064	956	1,670	432	3,717	1,528
Louisiana.....	4,280	3,485	216	579	1,709	785	674	250	1,732	1,117
Oklahoma.....	15,838	14,549	762	828	13,015	3,870	2,972	6,164	468	1,568
Texas.....	29,369	27,075	1,229	1,064	75,008	13,617	11,280	50,221	1,461	3,777
Mountain	25,587	19,706	2,174	3,707	98,148	17,524	6,138	74,488	909	7,045
Montana.....	8,474	6,416	308	1,750	22,715	4,124	1,312	17,279	234	1,313
Idaho.....	3,714	2,679	372	764	3,554	364	646	2,544	97	751
Wyoming.....	1,878	1,573	151	154	16,313	2,201	371	13,742	74	398
Colorado.....	7,199	5,948	832	410	15,351	5,114	1,114	9,123	239	1,379
New Mexico.....	1,785	1,346	250	189	24,049	6,358	2,145	16,547	170	1,846
Arizona.....	678	467	29	92	10,124	143	389	9,591	24	338
Utah.....	1,425	1,025	101	299	3,067	139	97	2,831	64	445
Nevada.....	534	363	131	40	2,974	82	63	2,829	7	677
Pacific	18,712	11,578	1,933	5,201	30,877	4,076	7,690	10,110	1,496	3,173
Washington.....	6,084	3,678	491	2,330	5,202	444	1,317	3,441	538	780
Oregon.....	4,227	2,592	457	1,173	8,803	599	2,145	6,059	520	681
California.....	8,401	5,723	985	1,694	16,872	3,033	4,228	8,610	437	1,800

¹ Less than 500.

Source: Bureau of the Census, Department of Commerce

No. 572.—NUMBER AND TOTAL AND IMPROVED ACREAGE

NOTE.—As to statistics of improved land see

Division and State	Number of farms				All land in farms (thousands of acres)			
	1900	1910	1920	1925	1910	1910	1920	1925
United States	5,737,372	6,361,502	6,448,343	6,371,640	898,592	878,798	955,684	924,319
New England	191,888	188,802	156,504	159,489	20,549	19,715	16,991	15,868
Maine	59,209	60,016	48,227	50,033	6,300	6,297	5,426	5,161
New Hampshire	29,324	27,053	20,523	21,005	3,610	3,249	2,604	2,262
Vermont	33,104	32,700	29,075	27,780	4,724	4,064	4,230	3,020
Massachusetts	37,715	36,917	32,001	33,454	3,147	2,876	2,494	2,368
Rhode Island	6,498	5,202	4,083	3,911	456	443	332	309
Connecticut	26,048	26,815	22,665	23,240	2,312	2,180	1,890	1,832
Middle Atlantic	485,618	468,379	425,147	418,868	44,860	43,191	40,678	37,491
New York	226,720	215,597	193,195	188,754	22,648	22,030	20,033	19,270
New Jersey	34,650	33,487	29,702	29,671	2,841	2,574	2,283	1,925
Pennsylvania	224,248	219,295	202,260	200,443	19,371	18,587	17,668	16,296
East North Central	1,185,823	1,123,489	1,084,744	1,051,572	116,341	117,929	117,785	112,762
Ohio	276,719	272,045	256,695	244,703	24,502	24,106	23,510	22,219
Indiana	221,897	215,485	205,126	195,786	21,620	21,800	21,063	19,915
Illinois	264,151	251,872	237,181	225,601	32,795	32,523	31,976	30,732
Michigan	203,261	200,960	196,447	192,327	17,562	18,041	19,033	18,035
Wisconsin	169,795	177,127	189,295	193,155	10,863	21,060	22,148	21,851
West North Central	1,060,744	1,109,948	1,096,951	1,111,314	201,000	232,648	256,973	248,081
Minnesota	154,650	156,137	178,478	188,231	20,248	27,070	30,222	30,050
Iowa	228,622	217,044	213,439	213,400	34,574	33,031	33,476	33,281
Missouri	284,886	277,244	263,004	260,473	33,908	34,591	34,775	32,642
North Dakota	45,332	74,360	77,690	75,970	15,543	28,427	36,215	34,327
South Dakota	52,622	77,644	74,637	79,537	19,071	26,017	34,636	32,018
Nebraska	121,525	129,678	124,417	127,734	20,012	38,622	42,225	42,025
Kansas	173,098	177,841	165,286	165,870	41,063	43,385	45,425	43,720
South Atlantic	962,225	1,111,881	1,158,976	1,108,061	104,298	103,782	97,775	88,569
Delaware	9,087	10,836	10,140	10,257	1,066	1,039	945	900
Maryland	46,012	48,923	47,908	49,001	5,170	5,057	4,758	4,433
District of Columbia	260	217	204	139	8	0	0	4
Virginia	167,886	184,018	186,242	193,723	10,908	19,496	18,661	17,210
West Virginia	92,874	96,085	87,289	90,380	10,555	10,026	9,670	8,980
North Carolina	224,037	253,725	269,763	283,482	22,749	22,439	20,022	18,594
South Carolina	155,355	176,434	192,693	172,767	13,985	13,512	12,427	10,639
Georgia	224,691	201,027	310,732	249,095	20,392	20,953	25,441	21,945
Florida	40,814	50,016	54,005	59,217	4,364	5,254	6,047	5,865
East South Central	903,313	1,042,480	1,051,600	1,006,052	81,248	81,521	78,897	70,607
Kentucky	234,667	259,185	270,626	258,524	21,979	22,189	21,613	19,913
Tennessee	224,623	246,012	252,774	252,669	20,342	20,042	19,611	17,901
Alabama	223,220	262,901	256,099	237,631	20,685	20,732	19,577	16,739
Mississippi	220,803	274,382	272,101	257,228	18,241	18,558	18,197	16,053
West South Central	754,353	943,188	996,988	1,017,305	178,491	169,150	173,449	165,013
Arkansas	178,694	214,678	232,604	221,991	10,637	17,416	17,467	15,632
Louisiana	115,969	120,546	135,463	132,450	11,059	10,439	10,020	8,838
Oklahoma	108,000	190,192	191,988	197,218	22,988	28,850	31,952	30,869
Texas	352,190	417,770	436,033	465,646	125,807	112,435	114,021	109,674
Mountain	101,327	183,446	244,109	233,392	46,397	59,533	117,337	131,689
Montana	13,370	26,214	57,077	46,904	11,844	13,546	35,071	32,736
Idaho	17,471	30,807	42,106	40,592	3,205	5,284	8,376	8,116
Wyoming	6,095	10,987	15,748	15,512	8,125	8,543	11,809	18,663
Colorado	24,700	46,170	59,984	58,020	9,475	13,532	24,462	24,167
New Mexico	12,311	35,676	29,844	31,687	5,131	11,270	24,410	27,850
Arizona	5,809	9,227	9,975	10,802	1,935	1,247	5,802	11,065
Utah	19,387	21,670	25,662	25,092	4,117	3,398	5,050	5,001
Nevada	2,184	2,689	3,163	3,883	2,566	2,715	2,357	4,091
Pacific	141,581	189,891	234,184	265,587	47,400	51,329	56,153	54,268
Washington	33,202	55,102	66,288	73,267	8,499	11,712	13,245	12,610
Oregon	35,837	45,502	50,206	55,911	10,071	11,685	13,542	14,131
California	72,542	88,197	117,670	136,400	28,820	27,931	29,366	27,517

1 Figures for 1900 include Indian Territory.

Source: Bureau of the Census, Department of Commerce.

OF FARMS: BY STATES, WITH AVERAGES AND PERCENTAGES

headnote to Table 569 and data in Table 571

Improved land in farms (thousands of acres)			Average acreage per farm				Per cent of total land area in farms				Division and State
1900	1910	1920	1900	1910	1920	1925	1900	1910	1920	1925	
414,498	478,452	508,078	146.2	198.1	148.2	145.1	44.1	48.2	50.2	48.6	United States.
8,134	7,255	6,115	107.1	104.4	108.5	99.4	51.8	49.7	42.8	40.0	New England.
2,387	2,361	1,977	106.2	104.9	112.5	103.2	32.9	32.9	28.4	27.0	Maine.
1,077	929	703	123.1	120.1	126.9	107.4	62.5	56.2	45.0	39.1	N. Hampshire.
2,127	1,034	1,692	142.7	142.6	145.7	141.3	80.9	79.9	72.5	67.2	Vermont.
1,292	1,165	909	83.4	77.9	77.9	70.8	61.2	55.9	48.5	46.0	Massachusetts
1,187	178	133	82.9	83.8	81.2	79.0	66.7	64.9	48.0	45.3	Rhode Island.
1,065	988	701	85.8	81.5	83.8	78.8	74.9	70.9	61.6	59.4	Connecticut.
30,786	29,321	26,562	92.4	92.2	95.4	89.5	70.1	67.5	68.4	58.6	Middle Atlantic.
15,600	14,844	13,159	99.9	102.2	100.8	102.1	74.3	72.2	67.7	63.2	New York.
1,977	1,803	1,556	82.0	76.9	76.8	64.9	59.1	53.5	47.5	40.0	New Jersey.
13,209	12,674	11,848	80.4	84.8	87.3	81.3	67.5	64.8	61.5	56.8	Pennsylvania.
86,670	86,947	87,895	102.4	105.0	108.5	107.2	74.1	75.0	74.9	71.7	E. North Central.
19,244	19,228	18,542	88.5	88.0	91.6	90.8	94.0	92.5	90.2	85.2	Ohio.
16,680	16,931	16,680	97.4	98.8	102.7	101.7	94.1	92.3	91.3	86.3	Indiana.
27,999	28,048	27,295	124.2	129.1	134.8	135.2	91.5	90.7	89.1	86.0	Illinois.
11,799	12,832	12,926	80.4	91.5	96.9	93.8	47.7	51.5	51.7	49.0	Michigan.
11,247	11,008	12,452	117.0	118.9	117.0	118.1	56.2	59.0	62.0	61.8	Wisconsin.
135,644	164,285	171,394	189.5	209.6	234.3	223.2	61.5	71.2	78.8	75.9	W. North Central.
18,443	19,041	21,482	169.7	177.3	199.3	159.7	50.7	53.5	58.4	58.1	Minnesota.
29,898	29,491	28,607	151.2	150.3	156.8	155.9	97.2	95.4	94.1	93.0	Iowa.
22,900	24,531	24,833	119.3	124.8	132.2	125.3	77.3	78.0	79.1	74.2	Missouri.
9,645	20,455	24,558	842.9	852.3	406.1	451.9	34.0	63.3	80.6	70.4	N. Dakota.
11,280	15,827	18,199	862.4	835.1	404.1	402.0	38.8	52.9	70.4	65.1	S. Dakota.
18,433	24,383	25,110	246.1	297.8	339.4	329.0	60.8	78.9	85.9	85.5	Nebraska.
25,041	29,904	30,601	240.7	244.0	274.8	263.6	79.6	82.9	86.8	83.0	Kansas.
40,100	48,480	48,510	108.4	98.3	84.4	79.9	60.6	60.3	58.8	51.4	South Atlantic.
784	714	653	110.1	95.9	93.1	87.7	84.8	82.0	75.1	71.5	Delaware.
3,516	3,355	3,137	112.4	108.4	99.3	90.5	81.3	79.5	74.8	69.7	Maryland.
0	0	4	31.0	27.9	27.8	27.4	22.1	15.8	14.8	9.0	Dist. of Col.
10,095	9,870	9,460	118.0	105.9	99.7	88.8	77.3	76.7	72.0	66.8	Virginia.
5,499	5,522	5,520	114.7	103.7	109.6	99.4	69.3	65.2	62.2	58.4	W. Virginia.
8,327	8,813	8,198	101.3	88.4	74.2	65.0	72.0	71.9	64.2	59.0	N. Carolina.
5,776	6,098	6,184	90.0	76.0	64.5	61.6	71.7	69.2	63.7	54.5	S. Carolina.
10,610	12,298	13,055	117.5	105.0	81.9	88.1	70.2	71.7	67.7	58.4	Georgia.
1,512	1,805	2,297	106.0	92.0	112.0	99.0	12.4	15.0	17.2	16.7	Florida.
40,287	48,947	44,380	89.9	78.2	75.0	70.2	70.7	71.0	69.7	61.5	E. South Central.
13,742	14,354	13,976	93.7	85.0	79.9	77.0	85.5	80.3	84.0	77.4	Kentucky.
10,246	10,890	11,185	90.6	81.5	77.2	70.8	76.2	75.1	73.1	67.1	Tennessee.
8,655	9,694	9,593	92.7	78.9	76.4	70.4	63.0	63.2	59.7	51.0	Alabama.
7,594	9,008	9,326	82.6	67.6	66.9	62.4	61.5	62.5	61.3	54.1	Mississippi.
39,771	58,284	64,190	233.5	179.3	174.1	162.2	64.2	61.5	63.1	60.0	W. South Central.
8,054	8,076	9,211	93.1	81.1	75.0	70.4	49.5	61.8	51.9	46.5	Arkansas.
4,667	5,276	6,626	95.4	86.6	74.0	66.7	38.1	35.9	34.5	30.4	Louisiana.
8,574	17,551	18,125	166.4	151.7	166.4	156.5	51.7	65.0	71.0	60.5	Oklahoma.
19,576	27,361	31,228	357.2	269.1	261.5	235.5	74.9	67.0	67.9	65.3	Texas.
8,403	15,015	30,108	457.9	394.5	480.7	564.2	8.4	10.8	21.3	24.0	Mountain.
1,737	3,040	11,007	885.9	516.7	608.1	697.9	12.7	14.5	37.5	35.0	Montana.
1,413	2,779	4,512	183.4	171.5	198.9	190.9	6.0	9.9	15.7	15.2	Idaho.
1,702	1,256	2,102	1,333.0	777.6	749.9	1,203.2	13.0	13.7	18.9	20.9	Wyoming.
2,274	4,302	7,745	383.6	203.1	408.1	416.5	14.3	20.4	36.9	36.4	Colorado.
327	1,467	1,717	416.8	315.9	817.9	878.0	6.5	14.4	31.1	35.5	N. Mexico.
255	350	713	333.2	135.1	581.7	1,024.4	2.7	1.7	8.0	15.2	Arizona.
1,032	1,308	1,715	212.4	156.7	196.8	1,024.4	7.8	6.5	9.0	9.5	Utah.
573	752	595	1,174.7	1,009.6	745.2	1,053.5	3.7	3.9	3.4	5.8	Nevada.
18,753	22,038	23,922	334.8	270.3	239.8	204.3	23.3	25.2	27.6	26.7	Pacific.
3,466	3,373	7,120	256.0	208.4	199.8	172.1	19.0	27.4	31.0	29.5	Washington.
3,328	4,275	4,914	281.0	256.8	269.7	252.7	16.5	19.1	22.1	23.1	Oregon.
11,959	11,390	11,878	397.4	316.7	240.0	201.7	28.9	28.0	29.5	27.6	California.

No. 573.—VALUE OF FARM PROPERTY: ALL PROPERTY, LAND,

[All amounts in thousands of dollars]

Division and State	Value of all farm property				Value of land			
	1900	1910	1920	1925	1900	1910	1920	1925
United States.....	20,439,901	40,991,449	77,023,052	57,017,740	13,058,008	28,475,074	54,620,563	37,721,018
New England.....	630,049	867,240	1,178,020	1,091,545	283,461	382,184	488,125	413,932
Maine.....	132,411	199,272	270,527	245,809	49,359	89,481	114,412	97,524
New Hampshire.....	85,842	103,704	118,056	107,084	35,499	44,519	47,425	37,220
Vermont.....	108,451	145,400	222,737	180,912	45,814	58,385	82,938	63,865
Massachusetts.....	132,047	220,474	306,472	293,405	80,925	105,533	127,054	110,437
Rhode Island.....	25,989	32,991	33,637	33,440	13,422	15,010	14,509	13,543
Connecticut.....	113,300	150,400	226,992	230,829	52,442	72,200	101,187	91,337
Middle Atlantic.....	2,310,887	2,959,599	3,049,684	3,478,718	1,210,099	1,469,321	1,661,676	1,932,487
New York.....	1,069,724	1,451,431	1,908,483	1,709,030	551,174	707,748	793,336	946,980
New Jersey.....	189,594	264,833	311,848	311,084	93,301	124,143	142,182	130,331
Pennsylvania.....	1,051,629	1,263,275	1,729,353	1,400,702	575,393	639,430	720,158	555,146
East North Central.....	5,693,995	10,119,128	17,245,369	12,592,988	3,979,094	7,231,099	12,040,074	7,989,094
Ohio.....	1,198,024	1,902,695	3,095,606	2,230,902	817,164	1,285,805	2,015,113	1,299,024
Indiana.....	973,016	1,809,135	3,042,311	1,931,742	657,633	1,328,107	2,202,660	1,269,777
Illinois.....	2,004,317	3,905,321	6,666,767	4,627,065	1,514,114	3,000,411	5,250,205	3,420,455
Michigan.....	690,356	1,088,858	1,763,335	1,523,977	423,570	615,258	1,059,187	704,871
Wisconsin.....	811,712	1,413,119	2,677,283	2,272,402	530,543	911,938	1,618,913	1,200,878
West North Central.....	5,890,994	13,555,310	27,991,035	18,879,178	3,892,877	10,052,561	21,340,145	13,903,048
Minnesota.....	788,085	1,476,412	3,787,420	2,761,084	559,302	1,019,102	2,750,328	1,700,000
Iowa.....	1,834,346	3,745,861	8,524,471	5,602,078	1,256,752	2,801,974	6,079,021	3,969,314
Missouri.....	1,033,122	2,052,917	3,591,068	2,286,630	905,471	1,445,982	2,504,103	1,565,725
North Dakota.....	255,267	974,814	1,759,743	1,191,037	173,352	730,389	1,279,314	813,722
South Dakota.....	287,525	1,166,097	2,823,870	1,658,921	180,207	902,607	2,231,432	1,201,015
Nebraska.....	747,050	2,079,819	4,201,053	2,374,478	480,600	1,014,539	3,336,222	2,125,792
Kansas.....	804,100	2,039,300	3,302,806	2,504,340	632,188	1,537,977	2,476,635	1,833,379
South Atlantic.....	1,454,091	2,951,201	6,132,918	4,059,177	869,821	1,883,350	4,000,692	2,960,771
Delaware.....	40,093	63,179	80,138	72,798	23,769	34,938	42,110	34,435
Maryland.....	204,045	286,167	403,638	307,093	120,368	163,452	259,904	207,274
Dist. of Columbia.....	11,538	8,477	5,928	5,003	0,700	7,104	4,150	3,564
Virginia.....	323,510	625,005	1,196,556	999,400	200,615	304,659	760,354	600,070
West Virginia.....	203,907	314,730	498,440	411,159	134,200	207,070	370,810	261,793
North Carolina.....	233,835	537,716	1,250,107	1,050,010	141,956	343,165	857,815	680,425
South Carolina.....	153,501	392,128	953,065	623,084	90,800	268,775	647,157	347,087
Georgia.....	228,375	580,540	1,356,085	886,073	138,515	370,353	897,445	433,040
Florida.....	63,929	143,183	330,302	513,884	30,823	93,738	228,425	415,800
East South Central.....	1,195,869	2,182,772	4,419,417	2,898,526	708,153	1,326,827	2,916,141	1,827,893
Kentucky.....	471,046	773,798	1,511,901	963,500	201,117	484,465	1,050,763	616,214
Tennessee.....	341,202	612,521	1,251,916	883,640	202,014	371,410	807,782	555,943
Alabama.....	179,400	370,138	690,849	500,740	100,160	210,044	415,764	308,604
Mississippi.....	204,221	420,315	964,752	550,571	114,857	254,002	641,842	347,002
West South Central.....	1,619,955	3,838,154	7,622,066	5,699,760	953,786	2,716,099	5,408,090	4,176,964
Arkansas.....	181,410	400,089	924,395	628,840	105,107	246,021	607,773	420,735
Louisiana.....	198,537	301,221	589,827	385,911	107,730	187,803	383,618	251,738
Oklahoma.....	277,526	518,109	1,660,424	1,210,135	140,398	409,067	1,171,450	879,335
Texas.....	962,479	2,218,465	4,447,420	3,471,867	591,551	1,633,207	3,245,209	2,625,157
Mountain.....	601,264	1,757,573	4,083,138	2,758,210	284,065	1,174,370	2,801,712	1,888,990
Montana.....	117,860	347,829	985,961	574,807	52,061	226,771	691,912	389,514
Idaho.....	67,271	305,317	716,138	451,895	35,480	119,953	511,900	309,769
Wyoming.....	67,477	167,189	334,411	240,390	23,434	88,008	210,947	148,108
Colorado.....	161,045	491,472	1,076,795	712,285	90,342	302,822	763,723	493,074
New Mexico.....	53,708	159,448	325,186	236,301	17,324	96,800	196,341	152,033
Arizona.....	29,994	75,124	233,593	194,049	11,416	42,350	156,563	126,788
Utah.....	75,176	150,795	311,275	250,818	40,127	90,482	210,908	159,703
Nevada.....	28,074	60,399	99,780	68,086	13,276	35,277	59,392	50,031
Pacific.....	1,113,330	2,780,482	5,307,011	4,062,634	842,893	2,246,314	4,160,948	3,878,039
Washington.....	144,041	637,543	1,057,430	823,438	99,311	517,422	797,051	584,386
Oregon.....	172,761	528,244	818,500	714,410	113,138	411,006	586,242	605,141
California.....	796,528	1,614,695	3,431,022	3,424,786	630,445	1,317,195	2,783,056	2,788,511

1 Figures for 1900 include Indian Territory.

Source: Bureau of the Census, Department of Commerce.

BUILDINGS, IMPLEMENTS AND MACHINERY, AND LIVESTOCK, BY STATES

[All amounts in thousands of dollars]

Value of buildings				Value of implements and machinery		Value of livestock			Division and State
1900	1910	1920	1925	1920	1925	1910	1920	1925	
3,566,639	6,325,452	11,486,440	11,746,039	3,594,773	2,691,704	4,025,174	3,013,876	4,858,389	United States.
244,807	336,410	429,343	491,695	92,388	82,334	97,897	163,163	103,584	New England.
47,143	73,138	89,697	99,746	20,638	24,491	25,162	30,780	24,108	Maine.
34,626	41,397	42,571	45,407	9,499	8,988	11,910	19,161	11,463	N. Hampshire.
37,258	54,203	76,179	73,406	21,234	18,130	22,643	42,385	25,511	Vermont.
71,094	88,636	119,934	144,166	19,360	17,044	20,741	33,524	21,758	Massachusetts.
9,703	12,923	11,379	14,377	2,409	2,004	3,276	4,840	3,462	Rhode Island.
44,984	66,113	89,084	110,594	13,248	11,616	14,104	23,478	17,282	Connecticut.
729,070	980,628	1,340,462	1,407,377	359,152	333,490	349,160	588,394	345,393	Middle Atlantic.
336,960	476,998	631,726	720,145	169,867	169,385	183,091	313,555	170,419	New York.
69,230	92,991	108,141	132,205	25,459	23,452	24,589	36,065	25,095	New Jersey.
322,880	410,639	600,594	615,020	163,826	140,652	141,480	238,775	149,878	Pennsylvania.
939,574	1,642,292	2,591,568	3,054,655	786,077	567,871	976,390	1,521,644	1,001,458	East N. Central.
219,451	368,258	646,323	640,637	146,575	97,893	197,332	287,655	193,878	Ohio.
154,102	266,079	451,078	420,964	127,403	79,740	173,800	261,264	156,262	Indiana.
251,468	432,381	747,699	773,004	222,620	147,104	308,801	446,154	281,402	Illinois.
158,948	285,880	477,500	519,191	122,390	96,253	137,804	204,259	143,662	Michigan.
155,605	289,094	508,066	688,880	167,080	146,883	158,529	322,312	226,752	Wisconsin.
768,408	1,502,105	3,199,350	3,227,843	1,162,938	816,333	1,551,708	2,358,601	1,531,954	West N. Central.
110,220	243,339	550,840	597,142	181,088	137,966	161,641	305,164	229,977	Minnesota.
240,803	455,406	922,752	984,632	309,172	227,282	393,003	613,520	420,349	Iowa.
148,508	270,222	408,774	440,501	138,261	75,955	285,839	389,839	207,398	Missouri.
25,428	92,277	206,208	206,381	114,187	76,031	108,250	157,035	94,303	North Dakota.
30,920	102,474	241,462	236,273	112,408	75,411	127,220	238,508	146,222	South Dakota.
91,054	198,808	381,885	398,282	153,104	111,799	222,222	330,444	238,005	Nebraska.
111,465	199,580	354,429	364,572	154,717	111,288	253,524	318,025	195,100	Kansas.
306,529	603,087	1,201,092	1,118,173	263,961	195,639	366,534	647,163	364,594	South Atlantic.
10,667	18,218	22,640	25,241	6,781	5,906	6,817	8,601	7,217	Delaware.
54,811	78,286	126,693	134,087	28,970	22,885	32,570	48,071	32,846	Maryland.
1,574	1,037	1,421	1,231	104	108	153	246	100	Dist. of Col.
70,963	137,399	208,081	286,138	50,151	40,021	74,891	121,909	72,631	Virginia.
84,027	67,315	103,474	104,301	18,395	15,687	43,336	67,261	39,319	West Virginia.
52,700	113,409	218,578	230,091	54,621	46,437	62,660	119,153	77,554	N. Carolina.
26,956	64,113	106,327	110,539	48,062	23,105	45,131	91,518	42,357	S. Carolina.
44,855	108,851	240,854	153,995	63,343	26,986	80,394	155,043	72,133	Georgia.
9,977	24,408	53,025	63,073	13,552	14,504	20,591	35,301	20,439	Florida.
225,627	411,571	747,552	653,007	176,065	123,550	309,038	579,659	294,147	East S. Central.
90,887	150,995	254,406	231,213	48,355	30,629	117,487	158,387	85,513	Kentucky.
93,137	109,107	217,198	203,483	53,463	40,746	110,706	173,473	83,473	Tennessee.
34,453	71,309	127,894	100,195	34,366	23,851	65,595	112,825	62,131	Alabama.
37,150	80,160	148,054	112,116	39,881	28,323	75,247	134,974	63,029	Mississippi.
185,106	412,498	863,128	782,469	311,099	252,866	589,837	1,019,779	484,460	West S. Central.
30,076	63,145	145,337	119,992	43,432	31,255	74,058	127,863	56,865	Arkansas.
33,400	49,741	90,421	72,040	32,715	21,333	44,699	83,073	30,900	Louisiana.
21,427	39,611	192,406	160,422	80,631	58,379	152,433	215,928	102,998	Oklahoma.
100,223	210,091	454,065	420,114	154,321	141,899	318,647	592,026	284,608	Texas.
54,555	145,027	361,476	334,092	180,716	120,257	368,747	729,234	455,977	Mountain.
9,300	24,855	84,855	65,881	55,004	30,633	85,663	154,190	82,899	Montana.
6,832	25,113	69,646	63,657	38,417	26,526	40,776	96,209	59,360	Idaho.
3,532	9,007	23,801	24,508	11,778	9,172	65,606	87,885	58,548	Wyoming.
16,003	45,697	102,291	98,481	49,805	33,473	70,161	107,987	80,357	Colorado.
3,565	13,025	25,473	22,884	9,745	8,712	43,495	93,020	52,671	New Mexico.
2,207	4,936	15,763	17,226	8,821	6,928	26,051	52,447	43,107	Arizona.
10,652	18,063	32,754	32,490	13,515	10,697	28,782	54,008	48,019	Utah.
2,340	4,333	6,393	8,990	3,631	3,715	19,214	29,894	20,379	Nevada.
112,967	231,833	502,469	617,409	232,358	190,365	235,927	405,237	276,822	Pacific.
16,299	54,546	122,741	142,504	54,721	41,235	48,865	82,316	55,313	Washington.
19,200	43,880	88,971	110,027	41,667	35,643	59,462	101,779	62,699	Oregon.
77,468	133,406	290,756	363,977	136,069	113,488	127,600	221,141	158,810	California.

No. 574.—AVERAGE VALUE PER FARM AND PER ACRE: BY STATES

Division and State	Average value per farm (dollars)							Average value of land per acre (dollars)			
	All farm property				Land and buildings			1900	1910	1920	1925
	1900	1910	1920	1925	1910	1920	1925				
United States.....	3,563	6,444	12,084	8,949	5,471	10,284	7,764	16.57	32.40	57.30	40.81
New England.....	3,333	4,593	7,492	6,844	3,806	6,860	5,678	13.79	19.38	28.73	26.10
Maine.....	2,064	3,320	5,009	4,914	2,600	4,232	3,943	7.83	13.73	21.00	18.89
New Hampshire.....	2,927	3,833	5,782	5,084	3,176	4,385	4,113	9.83	13.70	18.21	16.40
Vermont.....	3,276	4,445	7,601	6,511	3,442	5,473	4,940	9.70	12.62	19.68	16.27
Massachusetts.....	4,843	6,135	9,389	8,770	5,200	7,737	7,611	27.62	36.69	51.17	46.64
Rhode Island.....	4,909	6,234	8,233	8,552	5,278	6,463	7,139	20.46	33.86	43.75	43.83
Connecticut.....	4,205	5,944	10,019	9,932	5,168	8,399	8,680	22.08	33.03	53.28	49.85
Middle Atlantic.....	4,769	6,319	9,290	8,305	5,216	7,081	6,684	27.19	33.86	40.98	35.54
New York.....	4,718	6,732	9,879	9,043	5,495	7,376	7,243	24.34	32.13	38.45	33.57
New Jersey.....	5,470	7,610	10,499	10,484	6,484	8,428	8,848	32.86	48.23	62.29	67.72
Pennsylvania.....	4,690	5,715	8,551	7,287	4,747	6,500	5,838	20.70	33.92	41.12	34.07
East North Central.....	5,004	9,007	15,898	11,975	7,899	13,771	10,489	34.15	61.32	102.31	70.68
Ohio.....	4,333	6,994	12,060	9,141	6,080	10,368	7,951	33.35	53.34	85.69	58.40
Indiana.....	4,410	8,396	14,631	9,867	7,399	12,937	8,601	31.81	62.36	104.57	63.71
Illinois.....	7,588	15,505	28,108	20,514	13,986	25,289	18,615	46.17	95.02	164.20	111.49
Michigan.....	3,396	5,261	8,976	7,924	4,354	7,313	6,076	24.12	32.45	50.40	42.41
Wisconsin.....	4,781	7,978	14,143	11,765	6,784	11,568	9,830	26.71	43.30	73.09	55.37
West North Central.....	5,488	12,195	25,517	16,988	10,484	22,307	14,875	19.37	43.21	83.04	53.62
Minnesota.....	5,190	9,460	21,221	14,672	8,085	18,496	12,717	21.31	36.82	91.00	59.77
Iowa.....	8,023	17,269	39,939	26,240	15,008	35,016	23,207	36.35	82.68	199.52	119.28
Missouri.....	3,626	7,405	13,054	8,779	6,190	11,046	7,691	20.46	41.80	74.00	47.87
North Dakota.....	6,631	13,109	22,651	15,678	11,063	19,160	13,428	11.15	25.69	35.33	23.70
South Dakota.....	6,054	15,018	37,835	20,857	12,945	33,132	18,071	9.92	34.69	64.42	37.51
Nebraska.....	6,155	10,038	33,771	22,504	13,983	20,836	10,760	16.27	41.80	78.87	50.58
Kansas.....	4,992	11,467	19,982	15,097	9,770	17,122	13,250	12.77	35.45	54.60	41.93
South Atlantic.....	1,611	2,654	5,292	4,205	2,236	4,488	3,699	8.63	18.15	40.92	33.65
Delaware.....	4,201	5,830	7,903	7,097	4,905	6,386	5,818	22.29	33.63	44.60	38.28
Maryland.....	4,448	5,849	9,078	8,104	4,941	8,070	6,960	23.28	32.32	54.62	46.75
District of Columbia.....	42,882	59,062	29,059	35,992	37,932	27,340	34,500	1,142.08	1,180.53	733.27	934.71
Virginia.....	1,927	3,397	6,425	5,150	2,891	5,501	4,578	10.08	20.24	40.75	34.00
West Virginia.....	2,196	3,255	5,687	4,549	2,735	4,706	3,941	12.60	20.65	32.11	28.04
North Carolina.....	1,041	2,119	4,634	3,704	1,800	3,990	3,207	6.24	15.29	42.84	36.02
South Carolina.....	989	2,223	4,046	3,028	1,887	4,222	2,040	7.14	10.80	52.08	32.62
Georgia.....	1,016	1,995	4,366	2,757	1,647	3,663	2,350	5.25	13.74	35.28	19.76
Florida.....	1,321	2,893	6,116	8,678	2,362	5,212	8,088	7.06	17.84	37.78	70.01
East South Central.....	1,324	2,094	4,203	2,881	1,668	3,484	2,466	8.72	16.28	36.96	25.89
Kentucky.....	2,007	2,986	5,587	3,727	2,452	4,823	3,278	13.24	21.83	48.62	30.95
Tennessee.....	1,619	2,490	4,953	3,497	1,953	4,055	3,006	9.93	18.53	41.40	31.06
Alabama.....	804	1,408	2,698	2,107	1,096	2,123	1,746	4.84	10.46	21.24	15.44
Mississippi.....	925	1,554	3,546	2,140	1,218	2,903	1,785	6.30	13.09	35.27	21.62
West South Central.....	2,146	4,069	7,652	5,800	3,317	6,316	4,876	5.40	16.06	31.18	25.31
Arkansas.....	1,015	1,864	3,674	2,833	1,440	3,238	2,436	6.32	14.13	34.82	26.91
Louisiana.....	1,712	2,499	4,354	2,914	1,971	3,499	2,451	9.74	17.99	38.29	28.49
Oklahoma.....	2,570	4,828	8,491	6,136	3,884	7,104	5,818	6.50	22.49	30.66	28.49
Texas.....	2,733	5,311	10,200	7,456	4,412	8,486	6,540	4.70	14.63	28.46	23.94
Mountain.....	5,934	9,581	16,727	11,818	7,192	12,958	9,310	6.12	19.73	29.88	13.96
Montana.....	8,315	13,269	17,095	12,257	9,599	13,468	9,709	4.45	16.74	19.73	11.00
Idaho.....	3,850	6,911	17,008	11,132	7,955	18,811	9,197	11.07	41.63	61.11	38.17
Wyoming.....	11,071	15,217	21,235	15,497	8,912	14,907	11,132	2.88	10.41	17.86	7.94
Colorado.....	6,520	10,645	17,966	12,277	8,848	14,440	10,211	9.54	26.81	31.22	20.44
New Mexico.....	4,367	4,469	10,896	7,457	3,135	7,432	5,620	3.38	8.77	8.04	5.46
Arizona.....	5,108	8,142	23,418	17,964	5,125	17,276	13,332	5.90	33.97	20.98	11.46
Utah.....	8,878	6,957	12,130	9,631	5,423	9,499	7,395	9.75	20.28	41.78	31.94
Nevada.....	13,129	22,402	31,546	25,260	14,730	20,947	17,612	5.17	12.90	25.18	14.43
Pacific.....	7,864	14,643	22,664	18,688	13,050	19,941	16,926	17.78	43.76	74.21	71.47
Washington.....	4,338	11,340	15,552	11,239	10,179	13,885	9,921	11.68	44.18	60.22	46.34
Oregon.....	4,821	11,000	18,304	12,778	10,012	13,449	11,019	11.23	35.23	43.29	35.75
California.....	10,950	18,308	29,158	25,107	16,447	26,122	23,111	21.87	47.16	94.77	101.34

Source: Bureau of the Census, Department of Commerce.

No. 575.—NUMBER OF FARMS: BY SIZE AND BY STATES.

Division and State	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 acres and over
United States:									
1900	5,737,372	673,870	1,257,496	1,366,038	1,422,262	490,000	377,951	102,526	47,100
1910	6,361,502	839,160	1,414,376	1,438,069	1,516,286	534,101	443,984	125,205	50,135
1920	6,448,343	796,835	1,503,732	1,474,745	1,449,630	530,800	476,677	149,819	67,405
1925	6,371,840	868,584	1,450,943	1,421,078	1,363,777	503,417	438,961	143,852	63,328
1925									
New England	159,499	30,365	29,271	38,369	36,799	14,634	8,110	1,544	378
Maine	50,033	5,883	7,007	7,630	14,744	4,738	2,199	374	77
New Hampshire	21,065	3,026	3,630	5,003	4,820	2,014	1,250	311	93
Vermont	27,786	3,540	2,885	4,980	8,309	4,625	2,593	471	80
Massachusetts	33,454	10,714	8,148	6,877	4,761	1,691	977	228	18
Rhode Island	3,911	1,011	594	962	659	221	122	28	64
Connecticut	23,240	5,311	5,738	5,802	4,200	1,342	669	132	46
Middle Atlantic	418,899	74,437	71,373	117,598	108,546	32,543	12,665	1,413	288
New York	188,754	28,796	27,357	49,538	53,860	19,730	8,447	871	146
New Jersey	29,671	9,276	6,649	9,622	5,414	1,216	405	62	28
Pennsylvania	200,443	36,369	37,367	61,438	49,263	11,602	3,813	480	174
East North Central	1,051,572	96,958	198,092	319,425	311,568	104,301	45,703	4,472	643
Ohio	244,703	31,424	42,232	81,537	65,978	16,710	6,062	604	96
Indiana	105,786	21,050	33,268	60,282	54,875	17,597	7,504	817	93
Illinois	225,691	16,843	25,239	47,079	77,298	38,172	19,149	1,685	160
Michigan	192,327	15,068	41,313	68,120	49,634	12,385	4,495	537	172
Wisconsin	193,155	11,076	25,050	62,401	63,813	19,037	8,193	799	116
West North Central	1,111,314	59,990	89,827	170,617	351,199	169,204	104,331	58,840	17,398
Minnesota	198,231	9,639	17,241	35,167	67,049	31,396	24,064	2,577	198
Iowa	213,490	13,125	12,593	34,528	86,373	41,475	23,603	1,789	104
Missouri	200,473	20,948	44,490	64,905	76,481	31,715	19,224	3,184	526
North Dakota	75,979	574	676	1,135	11,144	5,812	35,993	17,983	3,563
South Dakota	79,537	1,334	1,307	3,119	18,715	10,816	28,776	11,549	3,831
Nebraska	127,734	5,031	4,127	10,977	44,199	22,031	20,500	9,489	5,350
Kansas	105,879	9,339	9,303	20,786	47,338	25,059	37,171	12,269	3,714
South Atlantic	1,108,061	233,729	354,421	255,439	180,805	55,534	34,718	10,076	3,339
Delaware	10,267	1,530	2,209	2,900	2,368	789	300	52	4
Maryland	49,061	11,944	8,974	10,204	10,816	4,415	2,212	334	42
District of Columbia	139	88	30	7	2	1			
Virginia	193,723	47,872	46,870	42,105	32,536	12,908	8,531	2,418	623
West Virginia	90,389	13,790	16,644	20,228	18,669	6,760	4,132	1,042	306
North Carolina	283,482	66,047	93,817	68,129	37,011	10,643	5,625	1,347	363
South Carolina	172,707	46,435	69,777	30,996	15,446	4,946	3,477	1,208	487
Georgia	249,095	28,686	93,303	64,638	36,637	12,877	8,220	3,084	1,180
Florida	59,217	17,621	19,798	10,103	6,820	2,195	1,719	596	365
East South Central	1,006,052	224,494	346,230	222,577	138,159	42,199	24,372	6,077	1,944
Kentucky	258,524	65,724	60,368	69,155	47,279	14,208	7,073	1,428	289
Tennessee	252,669	54,041	78,143	63,000	38,258	11,506	6,161	1,222	278
Alabama	237,631	36,171	104,030	53,067	27,885	8,255	6,355	1,616	651
Mississippi	257,228	75,558	103,689	30,765	24,737	8,170	6,782	1,811	726
West South Central	1,017,305	135,313	297,911	235,018	205,986	59,030	53,465	18,063	12,336
Arkansas	221,991	44,566	84,740	46,778	30,874	8,586	4,903	1,173	371
Louisiana	132,450	38,158	55,649	19,880	10,911	3,394	2,738	1,111	700
Oklahoma	197,218	10,280	34,986	47,375	95,102	14,965	19,201	4,554	1,555
Texas	465,646	42,314	122,636	120,983	99,099	32,085	26,863	11,725	10,001
Mountain	233,392	29,678	26,892	27,522	40,306	13,942	48,134	31,877	18,041
Montana	46,904	1,108	1,285	1,972	6,392	2,610	16,140	11,497	5,924
Idaho	40,592	3,704	7,697	8,625	9,315	3,216	5,689	2,186	760
Wyoming	15,512	291	320	800	2,267	868	3,540	4,114	3,226
Colorado	58,020	6,166	4,480	5,872	10,760	3,859	15,140	8,224	3,529
New Mexico	31,687	7,317	3,728	2,503	4,735	1,102	6,171	4,240	2,929
Arizona	10,862	2,072	2,196	1,886	2,328	413	742	523	642
Utah	25,992	5,638	6,008	5,143	3,763	1,009	1,817	807	617
Nevada	3,883	382	572	631	776	265	489	364	414
Pacific	265,587	84,995	66,718	34,516	30,409	11,525	17,283	11,490	9,063
Washington	73,267	24,016	17,667	9,506	8,522	2,902	5,063	3,001	2,153
Oregon	55,911	12,570	10,837	6,093	9,203	3,664	4,990	3,178	2,408
California	136,409	48,009	38,312	15,917	12,684	4,959	7,320	4,713	4,495

Source: Bureau of the Census, Department of Commerce.

No. 576.—NUMBER AND ACREAGE OF FARMS: BY SIZE, FOR EACH DIVISION

NOTE.—For totals for United States see Tables 575 and 578

Items, year, and division	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 499 acres	500 to 999 acres	1,000 acres and over
Number of farms								
New England:								
1900.....	191,888	28,018	33,805	49,389	48,039	30,007	2,133	497
1920.....	150,564	25,896	27,117	38,036	37,993	25,173	1,910	443
1925.....	159,489	30,385	29,271	38,368	36,799	22,744	1,544	378
Middle Atlantic:								
1900.....	485,618	75,165	84,330	142,341	129,501	51,815	1,907	559
1920.....	425,147	65,725	70,492	120,323	114,009	50,437	1,736	425
1925.....	418,808	74,437	71,373	117,598	108,546	45,213	1,413	288
East North Central:								
1900.....	1,135,823	100,071	230,411	350,291	301,629	146,901	5,509	951
1920.....	1,084,744	90,703	172,052	335,439	325,390	155,489	4,912	759
1925.....	1,051,572	90,958	168,002	319,425	311,568	150,504	4,472	643
West North Central:								
1900.....	1,000,744	47,050	110,718	212,600	354,704	288,187	36,186	10,600
1920.....	1,096,951	46,093	81,820	170,896	351,063	366,438	60,561	20,140
1925.....	1,111,314	59,900	89,827	170,617	351,199	363,535	58,840	17,300
South Atlantic:								
1900.....	962,225	147,165	265,023	216,522	181,200	128,541	17,191	5,893
1920.....	1,153,970	187,326	401,259	280,114	175,311	99,833	11,269	3,864
1925.....	1,108,061	233,729	354,421	255,439	160,805	90,292	10,076	3,339
East South Central:								
1900.....	903,313	153,359	280,010	204,914	159,531	92,783	9,777	2,039
1920.....	1,051,600	203,187	373,138	235,444	152,992	77,078	7,245	2,516
1925.....	1,000,052	224,494	340,230	222,577	138,159	66,571	6,077	1,944
West South Central:								
1900.....	754,853	84,898	218,481	161,611	178,015	82,662	15,047	14,139
1920.....	996,088	97,878	296,729	235,213	212,167	120,429	19,717	13,955
1925.....	1,017,305	135,318	297,911	235,016	205,980	112,675	18,063	12,396
Mountain:								
1900.....	101,327	16,306	12,085	11,243	33,963	17,553	4,932	4,585
1920.....	244,109	22,071	25,392	26,896	45,855	77,982	30,005	15,908
1925.....	233,392	26,678	20,892	27,522	40,306	62,076	31,877	18,041
Pacific:								
1900.....	141,581	21,178	21,432	17,127	35,500	29,571	9,784	6,988
1920.....	234,164	57,060	55,733	32,384	32,910	33,618	12,458	9,395
1925.....	265,587	84,595	60,710	34,516	30,409	28,898	11,490	9,053
Acreage in farms (thousands of acres)								
All land in farms, 1925:								
New England.....	15,858	280	951	2,682	4,665	5,727	979	568
Middle Atlantic.....	37,491	692	2,361	8,417	13,761	10,852	996	414
East North Central.....	112,762	895	5,890	23,984	41,163	36,920	3,128	767
West North Central.....	248,081	531	3,119	13,033	50,345	104,811	40,320	35,022
South Atlantic.....	88,569	2,536	11,051	17,331	20,190	23,428	6,979	7,054
East South Central.....	70,607	2,034	10,615	15,422	17,520	16,977	4,206	3,231
West South Central.....	105,013	1,633	9,474	16,538	27,899	30,885	12,326	66,258
Mountain.....	131,089	219	866	2,037	5,919	20,114	22,266	80,238
Pacific.....	54,258	729	2,043	2,463	4,248	8,049	8,029	28,096
Crop land harvested, 1924:								
New England.....	4,448	159	379	901	1,399	1,394	162	62
Middle Atlantic.....	16,482	402	1,271	4,315	6,311	3,907	226	49
East North Central.....	59,114	422	2,887	12,663	22,200	19,555	1,210	177
West North Central.....	139,979	259	1,621	7,204	30,708	63,404	19,747	8,035
South Atlantic.....	27,212	1,802	6,848	6,761	5,513	4,743	939	545
East South Central.....	23,696	2,197	7,140	5,815	4,488	3,220	547	284
West South Central.....	51,335	1,438	7,511	10,230	14,185	12,688	3,152	2,131
Mountain.....	19,706	141	547	1,155	2,324	6,385	4,688	4,466
Pacific.....	11,578	461	1,174	1,154	1,384	2,578	1,885	2,941

Source: Bureau of the Census, Department of Commerce.

No. 577.—NUMBER OF FARMS: BY SIZE AND BY TENURE AND COLOR OF OPERATOR.

Size of farm, tenure, and color	1880	1890	1900	1910	1920	1925
BY SIZE						
Number, total.....	4,008,907	4,564,641	5,737,373	6,361,502	6,448,343	6,371,640
Under 10 acres.....	139,241	150,194	207,229	335,043	288,772	378,535
10 to 19 acres.....	254,740	265,550	406,641	504,123	507,763	588,049
20 to 49 acres.....	781,574	902,777	1,267,496	1,414,376	1,503,732	1,450,043
50 to 99 acres.....	1,032,810	1,121,485	1,306,038	1,438,069	1,474,745	1,421,078
100 to 499 acres.....	1,695,983	2,008,694	2,200,282	2,494,461	2,456,107	2,326,155
100 to 174 acres.....			1,422,262	1,516,286	1,449,630	1,383,777
175 to 259 acres.....			400,069	534,191	530,800	503,417
260 to 499 acres.....			377,951	443,984	475,677	438,061
500 to 999 acres.....	75,972	84,395	102,526	125,295	149,819	143,852
1,000 acres and over.....	28,578	31,540	47,160	50,135	67,405	63,328
Per cent distribution, total.....	100.0	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	3.5	3.3	4.7	5.3	4.5	5.9
10 to 19 acres.....	6.4	5.8	7.1	7.9	7.9	9.2
20 to 49 acres.....	19.5	19.8	21.9	22.2	23.3	22.8
50 to 99 acres.....	25.8	24.6	23.8	22.6	22.9	22.3
100 to 499 acres.....	42.3	44.0	39.9	39.2	38.1	36.5
100 to 174 acres.....			24.8	23.8	22.5	21.7
175 to 259 acres.....			8.5	8.4	8.2	7.9
260 to 499 acres.....			6.6	7.0	7.4	6.9
500 to 999 acres.....	1.9	1.8	1.8	2.0	2.3	2.3
1,000 acres and over.....	.7	.7	.8	.8	1.0	1.0
BY TENURE						
Owners and managers, total.....	3,084,366	3,209,728	3,712,408	4,006,836	3,993,539	3,909,032
Owners.....			3,653,323	3,948,722	3,925,090	3,868,332
Owning entire farm.....			3,201,947	3,354,897	3,366,510	3,313,490
Hiring additional land.....			451,376	593,825	558,580	554,842
Managers.....			69,085	68,104	68,449	40,700
Tenants, total.....	1,024,801	1,294,913	2,024,964	2,354,676	2,454,804	2,462,608
Share and share-cash.....	702,244	840,254	1,273,200	1,523,380	1,806,634	2,000,156
Northern and Western States.....						1,650,471
Number related to landlord.....						1,189,373
Cash and unspecified.....	322,357	454,659	751,005	826,287	1,048,170	1,393,452
Northern and Western States.....						1,210,338
Number related to landlord.....						1,50,085
Per cent distribution, total.....	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	74.4	71.6	63.7	62.1	60.9	60.7
Managers.....			1.0	.9	1.1	.8
Tenants.....	25.6	28.4	35.3	37.0	38.1	38.6
BY COLOR AND TENURE OF FARMER						
White farmers, total.....			4,909,008	5,440,619	5,498,454	5,540,185
Owners, total.....			3,446,806	3,707,501	3,601,868	3,673,792
Owning entire farm.....			3,025,931	3,159,088	3,174,109	3,153,839
Hiring additional land.....			420,875	548,413	517,759	510,963
Managers.....			57,201	56,500	66,223	40,033
Tenants, total.....			1,405,541	1,676,558	1,740,363	1,826,300
Share and share-cash.....			988,539	1,140,215	1,283,337	1,511,009
Cash and unspecified.....			477,002	536,343	1,457,026	1,314,092
Colored farmers, total.....			767,764	920,883	949,889	831,455
Owners, total.....			206,517	241,221	233,222	194,540
Owning entire farm.....			176,016	195,809	192,401	159,651
Hiring additional land.....			30,501	45,412	40,821	34,889
Managers.....			1,824	1,544	2,226	937
Tenants, total.....			559,423	678,118	714,441	636,248
Share and share-cash.....			284,760	388,174	1,523,297	1,567,488
Cash and unspecified.....			274,663	289,944	1,911,144	1,78,760
COLORED FARMERS, BY RACE						
Total.....			767,764	920,883	949,889	831,455
Negroes.....			746,715	893,370	925,708	(¹)
Indians.....			19,910	24,251	10,880	(²)
Japanese.....			89	2,502	0,892	(³)
Chinese.....			1,169	760	609	(⁴)

¹ Share and share-cash tenants include croppers and cash tenants include standing renters reported in the Southern States in 1920.

² Includes all tenants except cash tenants.

³ Cash tenants only.

⁴ Includes the few colored farmers in the North and the West. ⁵ South only. ⁶ Not available.

No. 578.—ACREAGE OF FARM LAND: BY SIZE OF FARM AND BY TENURE AND COLOR OF OPERATOR

[Acreage in thousands]

Size of farm, tenure, and color	Acreage				Per cent distribution			
	1900	1910	1920	1925	1900	1910	1920	1925
BY SIZE OF FARM								
All farm land, total.....	838, 592	878, 798	956, 984	924, 319	100. 0	100. 0	100. 0	100. 0
Under 20 acres.....	7, 181	8, 794	8, 089	10, 160	. 9	1. 0	. 9	1. 1
20 to 49 acres.....	41, 536	46, 378	48, 464	46, 406	5. 0	5. 2	5. 1	5. 0
50 to 99 acres.....	98, 592	103, 121	106, 631	101, 907	11. 8	11. 7	11. 1	11. 0
100 to 174 acres.....	192, 680	205, 481	194, 681	185, 710	23. 0	23. 4	20. 4	20. 1
175 to 499 acres.....	232, 955	265, 289	276, 807	258, 362	27. 8	30. 2	29. 0	28. 0
500 to 999 acres.....	67, 804	83, 653	100, 976	90, 230	8. 1	9. 5	10. 6	10. 7
1,000 acres and over.....	107, 784	167, 082	220, 636	222, 549	23. 6	19. 0	23. 1	24. 1
Improved farm land, total ^{1, 2}	414, 498	478, 452	568, 073	³ 344, 549	100. 0	100. 0	100. 0	² 100. 0
Under 20 acres.....	6, 440	7, 992	7, 804	7, 342	1. 6	1. 7	1. 0	2. 1
20 to 49 acres.....	33, 001	36, 596	38, 508	29, 334	8. 0	7. 6	7. 7	8. 5
50 to 99 acres.....	67, 345	71, 155	72, 622	60, 199	16. 2	14. 9	14. 4	14. 6
100 to 174 acres.....	118, 391	128, 854	128, 201	88, 593	28. 6	26. 9	25. 5	25. 7
175 to 499 acres.....	135, 530	161, 776	176, 075	177, 875	32. 7	33. 8	33. 8	34. 2
500 to 999 acres.....	20, 475	40, 817	48, 135	52, 557	7. 1	8. 5	9. 6	9. 4
1,000 acres and over.....	24, 317	31, 263	37, 720	18, 691	5. 9	6. 5	7. 5	6. 4
BY TENURE								
All farm land, total.....	838, 592	878, 798	956, 984	924, 319	100. 0	100. 0	100. 0	100. 0
Owners.....	556, 040	598, 555	636, 775	616, 338	66. 3	68. 1	66. 9	66. 7
Owning entire farm.....	431, 261	464, 923	461, 250	419, 446	51. 4	52. 9	48. 3	45. 4
Hiring additional land.....	124, 779	133, 631	175, 525	196, 890	14. 9	15. 2	18. 4	21. 3
Managers.....	87, 518	53, 731	54, 129	43, 097	10. 4	6. 1	5. 7	4. 7
Tenants.....	195, 034	226, 513	264, 080	264, 887	23. 3	25. 8	27. 7	28. 7
Share.....	117, 710	123, 054	100, 723	210, 606	14. 0	14. 0	16. 8	22. 8
Share-cash.....		10, 300	24, 884			2. 2	2. 5	
Cash.....		67, 847	71, 482	54, 190		7. 7	7. 5	5. 9
Unspecified.....	77, 323	16, 222	8, 441		9. 2	1. 8	. 9	
Improved farm land, total ²	414, 498	478, 452	568, 073	³ 344, 549	100. 0	100. 0	100. 0	² 100. 0
Owners.....	278, 231	306, 850	314, 107	199, 402	67. 1	64. 8	62. 4	57. 9
Owning entire farm.....	221, 489	235, 809	235, 132	153, 650	53. 4	48. 9	46. 7	40. 2
Hiring additional land.....	56, 742	76, 042	78, 975	60, 769	13. 7	16. 9	15. 7	17. 6
Managers.....	10, 910	12, 314	13, 211	5, 299	2. 6	2. 6	2. 6	1. 5
Tenants.....	125, 358	156, 287	175, 755	159, 842	30. 2	32. 7	34. 9	40. 6
Share.....	82, 773	89, 735	112, 880	120, 045	20. 0	18. 8	22. 4	35. 0
Share-cash.....		15, 924	19, 933			3. 3	4. 0	
Cash.....	42, 584	41, 536	38, 386	19, 198	10. 3	8. 7	7. 6	5. 6
Unspecified.....		9, 059	4, 655			1. 9	. 9	
BY COLOR OF FARMER								
All farm land, total.....	838, 592	878, 798	956, 984	924, 319	100. 0	100. 0	100. 0	100. 0
White farmers.....	796, 826	832, 106	910, 930	(c)	95. 0	94. 7	95. 3	(c)
Colored farmers.....	41, 766	46, 692	44, 044	(c)	5. 0	5. 3	4. 7	(c)
Improved farm land, total ²	414, 498	478, 452	568, 073	³ 344, 549	100. 0	100. 0	100. 0	100. 0
White farmers.....	390, 201	449, 418	473, 775	(c)	94. 1	93. 9	94. 2	(c)
Colored farmers.....	24, 297	29, 033	20, 298	(c)	5. 9	6. 1	5. 8	(c)

¹ The classification by size in this section of the table, as in the preceding section, is based on the entire area of each farm.
² Data for improved land are not available for 1925 (see headnote, Table 509). All data shown for 1925 under improved land represent crop land harvested, 1924.
³ Includes croppers reported in Southern States only.
⁴ Includes all tenants except cash tenants.
⁵ Includes standing renters.
⁶ Not available.

Source: Bureau of the Census, Department of Commerce.

No. 579.—NUMBER OF FARMS: BY TENURE AND BY STATES

NOTE.—Total number of farms (all tenures combined) in Table 572. Acreage by tenure in Table 580

Division and State	Number of farms operated by—								
	Owners			Managers			Tenants		
	1910	1920	1925	1910	1920	1925	1910	1920	1925
United States.....	3, 948, 722	3, 925, 090	3, 868, 332	58, 104	68, 449	40, 700	2, 354, 876	2, 454, 804	2, 462, 608
New England.....	168, 408	140, 160	148, 159	6, 379	4, 802	2, 462	16, 015	11, 802	8, 868
Maine.....	50, 464	45, 437	47, 984	900	786	350	2, 569	2, 004	1, 699
New Hampshire.....	24, 493	18, 004	19, 895	681	546	156	1, 879	1, 373	1, 014
Vermont.....	28, 065	25, 121	24, 889	636	568	307	4, 008	3, 386	2, 590
Massachusetts.....	32, 075	28, 087	30, 870	1, 863	1, 627	979	2, 970	2, 287	1, 605
Rhode Island.....	4, 087	3, 245	3, 263	251	205	176	954	633	472
Connecticut.....	23, 234	10, 600	21, 258	940	1, 070	494	2, 632	1, 919	1, 488
Middle Atlantic.....	355, 030	327, 104	348, 179	9, 072	9, 853	4, 465	104, 271	88, 180	66, 224
New York.....	160, 674	151, 717	150, 949	4, 051	4, 376	2, 201	44, 872	37, 102	26, 544
New Jersey.....	24, 133	21, 889	24, 535	1, 060	987	413	8, 294	6, 826	4, 723
Pennsylvania.....	164, 220	153, 498	163, 695	3, 961	4, 490	1, 791	51, 105	44, 262	34, 957
East North Central.....	809, 044	760, 786	771, 876	10, 848	13, 551	6, 608	303, 597	304, 407	273, 000
Ohio.....	192, 104	177, 986	181, 847	2, 753	3, 055	1, 060	77, 188	75, 644	62, 206
Indiana.....	148, 501	137, 210	137, 420	2, 207	2, 329	1, 268	64, 087	65, 587	57, 089
Illinois.....	145, 107	132, 574	120, 974	2, 386	3, 411	1, 877	104, 379	101, 196	94, 650
Michigan.....	172, 310	150, 406	161, 974	1, 001	2, 319	1, 234	32, 689	34, 722	20, 119
Wisconsin.....	151, 022	150, 610	162, 052	1, 451	2, 427	1, 107	24, 654	27, 258	20, 936
West North Central.....	768, 948	711, 156	685, 797	8, 584	10, 776	5, 569	342, 618	375, 019	419, 048
Minnesota.....	122, 104	132, 744	130, 382	1, 222	1, 690	768	32, 811	44, 138	51, 083
Iowa.....	133, 003	121, 888	110, 444	1, 920	2, 487	1, 050	82, 115	89, 044	95, 306
Missouri.....	192, 285	185, 030	174, 383	2, 001	2, 247	1, 083	82, 968	75, 727	85, 027
North Dakota.....	63, 212	50, 917	49, 513	484	855	361	10, 664	10, 918	26, 066
South Dakota.....	57, 984	47, 815	46, 160	420	781	331	10, 231	20, 041	33, 046
Nebraska.....	79, 250	69, 672	67, 766	987	1, 315	609	49, 441	53, 430	59, 209
Kansas.....	111, 168	97, 000	95, 140	1, 335	1, 496	720	65, 308	66, 701	70, 001
South Atlantic.....	593, 154	607, 089	609, 304	8, 298	9, 799	6, 137	510, 429	542, 088	492, 620
Delaware.....	6, 178	6, 010	6, 515	123	144	74	4, 535	3, 986	3, 663
Maryland.....	33, 519	32, 805	35, 138	982	1, 262	936	14, 416	13, 841	12, 927
District of Columbia.....	118	100	81	16	19	10	84	85	39
Virginia.....	133, 661	136, 363	143, 687	1, 625	2, 134	1, 238	48, 729	47, 745	48, 808
West Virginia.....	75, 078	72, 101	74, 043	872	1, 060	662	10, 835	14, 098	14, 775
North Carolina.....	145, 320	151, 376	154, 805	1, 118	928	423	107, 287	117, 460	128, 264
South Carolina.....	64, 350	67, 724	59, 969	863	733	308	111, 221	124, 231	112, 430
Georgia.....	98, 028	102, 123	88, 680	1, 410	1, 655	1, 407	190, 980	206, 954	169, 008
Florida.....	35, 309	38, 487	45, 580	1, 275	1, 820	1, 010	18, 342	13, 689	12, 021
East South Central.....	510, 452	525, 808	497, 825	3, 290	3, 506	1, 781	528, 738	522, 286	500, 496
Kentucky.....	170, 332	179, 327	175, 442	993	969	281	87, 800	90, 330	82, 801
Tennessee.....	144, 125	148, 082	148, 627	820	807	324	101, 061	103, 885	103, 718
Alabama.....	103, 029	107, 089	92, 048	640	741	448	158, 320	148, 209	144, 235
Mississippi.....	92, 060	91, 310	80, 808	825	989	678	181, 491	179, 802	175, 742
West South Central.....	440, 905	464, 328	412, 684	4, 696	5, 013	3, 058	497, 585	526, 747	602, 183
Arkansas.....	100, 649	112, 047	95, 470	703	736	616	107, 269	119, 221	125, 809
Louisiana.....	52, 980	57, 254	52, 386	950	828	503	66, 607	77, 381	79, 561
Oklahoma.....	85, 404	93, 217	81, 220	651	935	494	104, 137	97, 830	115, 498
Texas.....	195, 863	201, 210	182, 076	2, 332	2, 514	1, 445	219, 575	232, 306	281, 225
Mountain.....	180, 844	202, 515	179, 193	2, 912	4, 110	2, 410	19, 690	37, 478	51, 784
Montana.....	23, 395	50, 271	36, 281	505	899	367	2, 344	6, 507	10, 256
Idaho.....	27, 160	34, 047	30, 195	450	758	511	3, 188	6, 701	9, 889
Wyoming.....	0, 779	13, 403	12, 545	311	377	191	897	1, 968	2, 776
Colorado.....	36, 993	45, 291	39, 517	787	880	585	8, 390	13, 793	17, 918
New Mexico.....	33, 398	25, 756	20, 005	321	433	256	1, 057	3, 055	5, 426
Arizona.....	8, 203	7, 869	8, 179	163	305	296	861	1, 801	2, 327
Utah.....	10, 762	22, 579	23, 013	194	206	90	1, 726	2, 787	2, 889
Nevada.....	2, 175	2, 009	3, 463	181	168	114	393	296	306
Pacific.....	151, 933	180, 144	215, 930	5, 225	7, 033	8, 262	32, 733	46, 987	41, 395
Washington.....	47, 505	52, 701	60, 389	961	1, 168	935	7, 726	12, 419	11, 943
Oregon.....	37, 799	39, 863	45, 887	847	916	618	6, 859	9, 427	9, 406
California.....	66, 629	87, 580	109, 654	3, 417	4, 949	6, 709	18, 148	25, 141	20, 046

Source: Bureau of the Census, Department of Commerce.

No. 580.—FARM ACREAGE, TOTAL AND CROP LAND HARVESTED: By TENURE AND BY STATES

NOTE.—For total farm acreage and total crop land harvested (all tenures combined) see Tables 571 and 572. Data for owners include land exclusively owned and the additional land rented and operated by the owner

[All figures are expressed in thousands of acres]

Division and State	All land in farms operated by—									Crop land harvested in 1924 on farms operated by—		
	Owners			Managers			Tenants			Own-ers	Man-agers	Ten-ants
	1910	1920	1925	1910	1920	1925	1910	1920	1925			
United States.....	598,556	690,775	616,336	53,731	54,129	43,097	226,513	264,980	264,837	169,408	5,299	139,842
New England.....	17,089	14,705	14,344	1,087	980	681	1,588	1,308	934	4,015	148	385
Maine.....	5,916	5,074	4,936	157	140	71	224	200	154	1,529	26	50
New Hampshire.....	2,894	2,296	2,109	210	164	58	170	163	96	488	12	23
Vermont.....	3,316	3,521	3,407	209	150	100	638	505	410	950	24	144
Massachusetts.....	2,343	2,022	2,051	331	313	212	202	159	104	540	40	27
Rhode Island.....	318	240	248	44	30	24	81	63	37	55	0	8
Connecticut.....	1,832	1,543	1,593	137	187	116	217	169	123	434	31	32
Middle Atlantic.....	30,283	29,019	29,464	1,714	1,923	910	11,194	9,631	7,117	12,682	353	3,547
New York.....	15,825	15,084	15,459	838	932	406	5,397	4,610	3,315	6,550	171	1,551
New Jersey.....	1,593	1,425	1,404	227	208	68	734	449	452	947	31	230
Pennsylvania.....	12,866	12,510	12,000	648	782	340	5,043	4,366	3,350	5,370	152	1,760
East North Central.....	80,294	76,518	75,580	2,354	2,867	1,661	35,341	33,350	35,521	36,732	738	21,644
Ohio.....	16,032	15,000	15,083	605	632	293	7,954	6,370	6,302	6,302	110	3,785
Indiana.....	13,939	12,870	12,667	483	473	288	6,877	7,720	6,001	6,208	148	4,170
Illinois.....	17,787	16,265	15,798	558	713	450	14,177	14,997	14,485	9,335	255	10,165
Michigan.....	15,107	14,541	14,470	453	588	309	3,381	3,004	3,197	6,753	112	1,636
Wisconsin.....	17,309	17,841	17,562	355	532	279	3,336	3,775	4,010	7,543	107	1,888
West North Central.....	164,790	168,570	155,780	5,005	6,079	3,497	62,853	62,324	68,895	76,222	1,068	53,689
Minnesota.....	20,069	21,014	20,186	414	443	224	6,593	8,795	9,049	11,355	117	6,457
Iowa.....	20,214	18,061	17,092	401	569	300	13,220	14,855	15,700	10,479	211	10,777
Missouri.....	25,189	24,087	22,733	630	664	350	8,772	9,423	9,559	8,912	113	4,095
North Dakota.....	23,587	26,850	23,623	477	811	271	4,363	8,553	10,533	13,187	152	6,539
South Dakota.....	10,315	24,169	20,937	635	800	771	6,057	9,577	10,310	9,211	109	6,473
Nebraska.....	20,978	26,422	25,555	1,095	1,480	770	10,562	14,323	15,693	10,707	199	3,907
Kansas.....	28,840	27,377	25,753	1,264	1,221	714	13,281	16,827	17,263	12,371	109	6,841
South Atlantic.....	69,130	61,798	58,301	3,364	4,402	3,511	31,268	31,572	26,758	14,192	626	12,424
Delaware.....	477	461	465	21	21	16	54	42	418	108	8	103
Maryland.....	2,005	2,761	2,674	207	250	182	1,045	1,748	1,577	1,012	75	691
Dist. of Columbia.....	2	2	1	1	2	2	2	2	1	1	1	(1)
Virginia.....	14,715	13,761	13,311	660	824	514	4,120	3,077	3,385	2,892	99	977
West Virginia.....	8,184	7,813	7,483	285	356	211	1,558	1,470	1,286	1,381	41	254
North Carolina.....	15,656	13,442	12,633	582	386	232	6,200	6,194	6,829	2,960	30	2,579
South Carolina.....	8,052	6,717	5,987	547	425	293	4,013	5,285	4,359	1,681	42	2,688
Georgia.....	14,851	12,861	11,889	779	928	800	11,323	11,714	9,257	3,989	224	4,317
Florida.....	4,287	4,060	3,958	281	1,202	1,260	680	784	647	951	100	313
East South Central.....	57,132	54,922	49,049	1,693	1,529	923	22,785	23,347	20,635	11,950	187	11,650
Kentucky.....	17,493	16,792	15,820	315	270	137	4,411	4,551	3,947	3,575	23	1,586
Tennessee.....	14,673	13,779	13,025	335	221	124	5,034	5,511	4,751	3,638	30	2,542
Alabama.....	13,280	12,117	10,086	367	455	245	7,085	7,004	6,408	2,631	55	3,955
Mississippi.....	11,716	11,334	10,108	587	683	416	6,255	6,280	5,529	2,015	79	3,567
West South Central.....	104,353	104,781	97,711	19,698	16,511	11,998	45,098	52,157	55,305	22,317	545	28,473
Arkansas.....	12,390	11,810	10,027	328	352	318	4,698	5,295	5,287	2,962	94	3,171
Louisiana.....	6,766	6,255	5,624	988	900	590	2,862	2,864	2,624	1,404	160	1,822
Oklahoma.....	15,997	18,472	15,609	429	926	1,327	12,434	12,554	13,933	6,877	81	7,600
Texas.....	69,201	68,244	66,451	17,955	14,333	9,762	25,270	31,444	33,461	10,984	201	15,800
Mountain.....	42,269	90,839	98,542	11,004	12,974	14,047	6,264	13,475	19,100	14,108	610	4,988
Montana.....	10,641	28,933	25,365	1,430	2,800	1,912	1,475	3,258	5,450	4,825	153	1,430
Idaho.....	4,446	6,799	6,185	270	386	272	507	1,191	1,059	1,843	62	674
Wyoming.....	5,153	9,360	15,062	2,863	1,466	1,039	527	984	1,662	1,222	65	285
Colorado.....	10,135	18,622	17,387	1,140	1,596	1,285	2,257	4,244	5,496	3,789	143	2,017
New Mexico.....	7,005	17,854	19,800	3,196	3,863	4,733	978	2,693	3,317	987	47	313
Arizona.....	876	3,820	7,580	265	1,391	2,515	107	502	970	251	87	119
Utah.....	2,888	4,063	4,409	315	616	184	194	372	347	801	14	119
Nevada.....	1,032	1,420	2,093	1,524	798	1,208	158	141	100	301	39	23
Pacific.....	33,277	38,473	37,566	7,800	6,865	5,980	10,152	12,815	10,713	7,412	1,024	3,142
Washington.....	9,115	9,260	9,042	529	541	300	2,068	3,444	3,208	2,090	105	1,059
Oregon.....	9,036	10,017	10,353	766	838	901	1,833	2,687	2,377	1,844	81	667
California.....	15,125	17,196	17,672	6,005	5,485	4,718	6,201	6,684	5,127	3,468	838	1,417

1 Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 581.—PERCENTAGE OF TOTAL NUMBER OF FARMS AND TOTAL ACRE-AGE OPERATED BY TENANTS: BY STATES

Division and State	Per cent of total operated by tenants										
	Number of farms			All land in farms			Improved land in farms		Crop land harvested, 1924	Related to landlord, 1925	
	1910	1920	1925	1910	1920	1925	1910	1920		Cash	Other
United States.....	37.0	38.1	38.6	25.8	27.7	28.7	32.7	34.9	40.6	26.6	29.1
New England.....	8.0	7.4	5.6	7.8	7.7	5.9	8.5	8.4	6.4	18.0	30.9
Maine.....	4.3	4.2	3.4	3.0	3.8	3.0	3.6	3.8	3.1	16.3	41.1
New Hampshire.....	6.9	6.7	4.8	5.4	5.9	4.2	6.1	6.5	4.5	12.7	44.2
Vermont.....	12.3	11.6	9.3	13.7	13.3	10.7	15.9	14.7	12.7	19.2	27.4
Massachusetts.....	8.1	7.1	4.8	7.0	6.4	4.4	7.1	6.0	4.3	15.8	25.5
Rhode Island.....	18.0	15.5	12.1	18.2	15.9	12.1	19.3	16.0	12.1	14.7	40.5
Connecticut.....	9.8	8.5	6.4	9.9	8.0	6.7	10.1	8.9	6.5	15.5	27.9
Middle Atlantic.....	22.3	20.7	15.8	25.9	23.7	19.0	27.7	25.4	21.5	20.4	28.2
New York.....	20.8	19.2	14.1	24.4	22.4	17.2	25.0	23.5	18.8	21.7	28.7
New Jersey.....	24.8	23.0	15.9	30.4	28.5	23.5	32.8	31.0	25.3	15.5	25.0
Pennsylvania.....	23.8	21.9	17.4	27.1	24.7	20.6	29.4	26.8	24.1	20.1	28.3
East North Central.....	27.0	28.1	26.0	30.0	32.6	31.5	32.6	35.2	36.6	30.8	32.8
Ohio.....	28.4	29.5	25.5	31.4	33.8	30.9	32.0	34.5	35.4	26.8	33.3
Indiana.....	30.0	32.0	29.2	32.3	36.7	35.0	33.3	37.8	39.3	27.7	32.3
Illinois.....	41.4	42.7	42.0	43.0	46.9	47.1	44.9	48.0	51.5	32.1	31.2
Michigan.....	15.8	17.7	15.1	17.8	20.5	17.7	19.3	21.7	19.2	23.9	33.3
Wisconsin.....	13.0	14.4	15.5	15.8	17.0	18.4	17.0	18.6	19.8	40.0	39.1
West North Central.....	30.9	34.2	37.8	27.0	32.0	35.8	30.6	35.8	41.0	31.1	29.0
Minnesota.....	21.0	24.7	27.1	23.8	29.0	32.1	25.5	32.3	36.0	35.0	30.0
Iowa.....	37.8	41.7	44.7	39.0	44.4	47.5	39.6	44.9	50.2	36.0	32.4
Missouri.....	29.0	28.8	32.6	25.4	27.1	29.3	26.4	27.9	34.2	20.4	22.8
North Dakota.....	14.3	25.6	34.4	15.3	23.6	30.7	18.0	27.0	32.9	18.0	20.9
South Dakota.....	24.8	34.9	41.5	23.3	27.7	32.2	30.1	35.4	41.0	27.5	26.9
Nebraska.....	38.1	42.0	46.4	27.3	33.0	37.3	34.3	41.1	45.0	33.5	34.7
Kansas.....	36.8	40.4	42.2	30.6	37.0	39.5	33.8	30.7	44.0	24.2	31.8
South Atlantic.....	45.9	46.8	44.5	30.1	32.3	30.2	38.0	39.2	45.7	(?)	(?)
Delaware.....	41.0	39.3	35.8	52.1	49.9	46.5	52.4	51.2	49.1	(?)	(?)
Maryland.....	29.5	28.9	26.4	38.5	36.7	35.6	40.0	38.5	38.9	(?)	(?)
District of Columbia.....	38.7	41.7	28.1	35.9	35.1	21.2	34.0	33.5	19.6	(?)	(?)
Virginia.....	23.5	25.6	25.2	21.1	21.4	19.7	21.1	21.2	24.6	(?)	(?)
West Virginia.....	20.5	19.2	16.3	15.5	14.6	14.3	14.2	13.6	15.1	(?)	(?)
North Carolina.....	42.3	43.5	45.2	27.6	30.9	31.3	35.3	38.1	46.3	(?)	(?)
South Carolina.....	63.0	64.5	65.1	36.4	42.5	41.0	51.7	55.7	60.0	(?)	(?)
Georgia.....	65.6	66.6	63.8	42.0	46.0	42.2	57.9	58.4	59.3	(?)	(?)
Florida.....	26.7	25.3	21.3	13.1	13.0	11.0	24.5	22.8	23.2	(?)	(?)
East South Central.....	50.7	49.7	50.3	28.0	29.6	29.2	30.4	36.0	49.2	(?)	(?)
Kentucky.....	33.9	33.4	32.0	19.9	21.1	19.8	21.5	22.3	30.6	(?)	(?)
Tennessee.....	41.1	41.1	41.0	25.1	28.2	26.5	30.4	31.9	40.9	(?)	(?)
Alabama.....	60.2	57.9	60.7	34.2	35.8	38.3	51.1	47.7	59.6	(?)	(?)
Mississippi.....	66.1	66.1	68.3	33.7	34.5	34.4	51.3	48.8	63.0	(?)	(?)
West South Central.....	52.8	52.9	50.2	26.7	30.1	33.5	44.5	45.8	55.5	(?)	(?)
Arkansas.....	50.0	51.3	50.7	27.0	30.3	33.8	39.0	40.5	50.9	(?)	(?)
Louisiana.....	55.3	57.1	60.1	25.7	28.6	29.7	37.8	40.6	52.3	(?)	(?)
Oklahoma.....	54.8	51.0	58.6	43.1	39.3	45.1	45.9	44.4	52.2	(?)	(?)
Texas.....	52.6	53.3	60.4	22.5	27.6	30.5	46.6	48.1	58.7	(?)	(?)
Mountain.....	10.7	15.4	22.2	10.5	11.5	14.5	14.4	16.5	25.3	11.3	15.9
Montana.....	8.9	11.3	21.9	10.9	9.3	16.7	10.6	12.7	22.4	10.8	12.4
Idaho.....	10.3	15.9	24.4	10.7	14.2	20.4	13.8	17.4	26.1	12.0	18.2
Wyoming.....	8.2	12.5	17.9	6.2	8.3	8.9	10.0	13.8	18.1	10.9	12.7
Colorado.....	18.2	23.0	30.9	16.7	17.4	22.7	25.2	24.1	33.9	11.1	14.9
New Mexico.....	5.5	12.2	17.1	8.7	11.0	11.9	6.4	14.4	23.2	7.2	14.8
Arizona.....	9.3	18.1	21.5	8.0	10.2	8.8	17.1	21.3	26.0	5.8	12.1
Utah.....	7.9	10.9	11.1	5.7	7.4	6.9	7.3	10.4	11.7	20.0	36.4
Nevada.....	12.4	9.4	7.9	5.8	6.0	4.6	7.4	9.0	6.2	14.6	18.8
Pacific.....	17.2	20.1	15.6	19.8	22.8	19.7	25.6	29.7	27.1	10.8	20.9
Washington.....	13.7	18.7	16.3	17.7	26.0	25.4	22.8	32.9	32.5	11.3	27.1
Oregon.....	15.1	18.8	16.8	16.1	19.8	16.8	23.4	26.1	25.7	16.3	27.8
California.....	20.0	21.4	14.7	22.2	22.8	18.6	28.1	29.2	24.8	7.9	13.8

¹ For Northern and Western States only.

² Not available.

No. 582.—NUMBER OF FARMS IN THE SOUTH: BY COLOR AND TENURE OF OPERATOR, 1925

	Total	Full owners	Part owners	Man-agers	Tenants			
					Total	Cash	Croppers	Other
The South:								
White.....	2,299,963	1,173,778	150,875	10,259	965,051	103,854	278,736	582,461
Colored.....	831,455	150,651	34,880	667	630,248	78,760	344,322	213,166
South Atlantic:								
White.....	782,003	471,040	41,095	5,720	204,148	36,230	90,643	137,275
Colored.....	326,058	78,941	18,228	417	228,472	25,841	110,767	82,864
Delaware—								
White.....	9,426	5,985	168	64	3,200	402	80	2,727
Colored.....	831	334	28	10	459	30	61	359
Maryland—								
White.....	42,280	30,060	972	831	10,417	1,008	852	7,957
Colored.....	6,721	3,711	305	105	2,510	253	613	1,044
District of Columbia—								
White.....	130	69	7	18	36	33		3
Colored.....	9	5		1	3	2		1
Virginia—								
White.....	143,576	101,602	8,842	1,162	31,070	4,607	8,672	18,691
Colored.....	50,147	28,515	4,628	76	16,928	1,643	6,091	8,294
West Virginia—								
White.....	89,666	69,699	4,709	657	14,601	6,056	1,209	7,336
Colored.....	714	504	31	5	174	77	17	80
North Carolina—								
White.....	202,516	117,285	15,439	403	69,389	4,888	21,940	42,561
Colored.....	80,966	15,325	6,756	20	58,805	2,632	30,479	25,754
South Carolina—								
White.....	82,186	37,925	3,676	334	40,251	5,012	13,993	21,246
Colored.....	90,581	14,476	3,892	34	72,179	11,389	32,368	28,422
Georgia—								
White.....	165,618	71,076	5,857	1,283	86,802	11,206	41,142	34,304
Colored.....	84,077	10,632	1,715	124	72,206	7,722	47,013	16,871
Florida—								
White.....	47,205	37,339	1,425	968	7,473	2,328	2,755	2,390
Colored.....	12,012	6,039	783	42	5,148	2,084	1,625	1,439
East South Central:								
White.....	725,225	398,213	51,493	1,607	274,002	34,614	90,230	149,158
Colored.....	280,827	38,928	9,281	124	232,494	44,231	128,147	60,116
Kentucky—								
White.....	247,807	151,195	19,293	205	77,054	7,022	21,993	48,069
Colored.....	10,717	3,818	1,136	10	5,747	146	3,851	1,750
Tennessee—								
White.....	218,022	121,210	18,191	306	78,306	7,784	25,725	44,797
Colored.....	34,647	7,086	2,131	18	25,412	2,658	14,848	7,906
Alabama—								
White.....	152,310	68,329	9,895	390	73,096	13,900	25,127	34,669
Colored.....	85,321	10,958	3,771	58	70,539	28,493	25,200	16,840
Mississippi—								
White.....	107,986	57,470	4,024	646	44,946	5,908	17,415	21,623
Colored.....	150,142	17,071	2,243	32	130,790	13,024	84,152	33,620
West South Central:								
White.....	792,735	394,525	58,377	2,932	426,901	33,010	97,863	290,028
Colored.....	224,570	41,782	7,380	120	175,282	8,683	96,408	70,186
Arkansas—								
White.....	158,708	72,045	12,368	577	73,718	6,386	20,420	46,903
Colored.....	63,283	9,495	1,598	39	52,181	2,692	35,322	14,167
Louisiana—								
White.....	72,937	39,419	3,397	473	29,048	4,428	9,073	16,147
Colored.....	59,513	8,494	1,076	30	49,913	4,314	25,001	20,598
Oklahoma—								
White.....	177,170	53,152	19,386	482	104,150	11,058	10,209	81,983
Colored.....	20,048	7,612	1,076	12	11,348	603	2,920	7,825
Texas—								
White.....	883,920	189,909	23,226	1,400	219,385	10,238	58,152	150,995
Colored.....	81,720	16,181	3,690	45	61,840	1,079	33,165	27,596

Source: Bureau of the Census, Department of Commerce.

No. 583.—NUMBER AND ACREAGE OF FARMS: By COLOR AND NATIVITY OF OPERATOR AND BY STATES

NOTE.—For comparable statistics for 1925 for the South (all that are available) see Table 582. For total number of farms and acreage of all land in farms see Table 572

Division and State	Number of farms operated by—						All land (thousands of acres) in farms operated by—		
	Native white farmers		Foreign-born white farmers		Colored farmers		Native white farmers, 1920	Foreign-born white farmers, 1920	Colored farmers, 1920
	1910	1920	1910	1920	1910	1920			
United States.....	4, 771, 063	4, 017, 366	660, 556	561, 068	920, 863	949, 889	799, 767	111, 173	44, 945
New England.....	161, 009	128, 028	27, 451	28, 285	342	273	14, 577	2, 393	21
Maine.....	55, 014	43, 830	4, 073	4, 394	29	13	4, 900	465	1
New Hampshire.....	24, 347	17, 800	2, 721	2, 619	15	14	2, 336	260	1
Vermont.....	28, 068	25, 280	3, 091	3, 707	20	28	3, 074	557	4
Massachusetts.....	28, 431	22, 050	8, 362	8, 080	124	121	1, 969	520	6
Rhode Island.....	4, 408	3, 123	843	940	41	20	2, 277	54	1
Connecticut.....	10, 841	14, 955	6, 861	7, 025	113	75	1, 361	531	7
Middle Atlantic.....	419, 342	376, 701	47, 076	46, 910	1, 961	1, 958	36, 926	3, 551	96
New York.....	187, 020	169, 800	27, 020	25, 776	939	950	18, 344	2, 240	43
New Jersey.....	20, 790	22, 555	6, 215	6, 612	476	535	1, 929	528	20
Pennsylvania.....	204, 017	187, 277	13, 832	14, 522	540	451	10, 553	977	27
East North Central.....	929, 619	935, 492	188, 153	144, 775	5, 717	4, 477	103, 222	14, 285	278
Ohio.....	252, 645	241, 075	17, 450	14, 004	1, 950	1, 616	22, 463	993	100
Indiana.....	204, 951	198, 156	9, 729	6, 398	805	572	20, 405	621	37
Illinois.....	217, 053	214, 177	33, 394	22, 111	1, 425	893	20, 140	2, 777	88
Michigan.....	147, 780	147, 450	58, 224	48, 264	948	733	14, 710	4, 274	49
Wisconsin.....	107, 180	134, 634	60, 356	53, 098	601	663	10, 504	5, 610	34
West North Central.....	880, 642	868, 809	269, 442	206, 233	9, 864	6, 919	201, 589	53, 872	1, 512
Minnesota.....	74, 710	110, 906	81, 134	67, 305	293	207	10, 362	10, 830	20
Iowa.....	107, 856	181, 109	48, 087	32, 221	201	109	28, 405	5, 061	9
Missouri.....	269, 111	251, 835	14, 467	8, 343	3, 666	2, 826	33, 472	1, 112	100
North Dakota.....	35, 760	40, 899	37, 867	30, 248	743	543	10, 394	16, 634	136
South Dakota.....	49, 300	52, 700	25, 476	20, 325	2, 808	1, 612	25, 373	8, 413	850
Nebraska.....	93, 509	99, 441	35, 707	24, 592	462	384	35, 198	6, 061	67
Kansas.....	150, 346	146, 859	25, 804	17, 180	1, 691	1, 238	40, 384	4, 852	80
South Atlantic.....	748, 878	767, 771	7, 141	7, 373	355, 862	393, 832	78, 625	725	18, 225
Delaware.....	0, 504	8, 905	410	303	922	872	861	28	55
Maryland.....	40, 669	40, 130	1, 882	1, 560	6, 372	6, 209	4, 278	120	352
District of Columbia.....	193	153	37	31	12	20	5	(1)	(1)
Virginia.....	134, 155	130, 874	1, 740	1, 582	48, 114	47, 786	16, 085	213	2, 263
West Virginia.....	95, 138	86, 033	839	762	708	504	9, 480	62	28
North Carolina.....	187, 657	193, 081	412	392	65, 650	76, 290	10, 538	46	3, 437
South Carolina.....	79, 424	83, 542	212	141	96, 798	109, 010	8, 010	37	4, 380
Georgia.....	108, 083	180, 217	385	328	122, 550	130, 187	18, 267	73	7, 072
Florida.....	34, 080	35, 836	1, 215	2, 215	14, 721	12, 954	5, 272	137	638
East South Central.....	712, 443	740, 862	4, 819	3, 508	325, 218	307, 932	66, 455	329	12, 114
Kentucky.....	245, 490	256, 886	1, 950	1, 112	11, 730	12, 628	21, 088	98	427
Tennessee.....	206, 821	213, 832	883	760	38, 308	38, 182	17, 920	67	1, 524
Alabama.....	151, 214	159, 805	1, 244	1, 031	110, 443	95, 203	15, 143	85	4, 348
Mississippi.....	108, 009	110, 270	736	603	104, 737	161, 210	12, 304	79	5, 815
West South Central.....	692, 624	724, 301	41, 601	39, 937	209, 061	231, 850	155, 100	7, 369	10, 980
Arkansas.....	148, 027	158, 273	2, 458	2, 049	63, 503	72, 282	14, 006	226	2, 025
Louisiana.....	63, 230	71, 081	2, 431	2, 323	54, 879	62, 059	7, 664	173	2, 183
Oklahoma.....	161, 773	167, 472	7, 748	5, 791	20, 671	18, 725	28, 870	1, 369	1, 713
Texas.....	318, 988	327, 475	28, 864	29, 774	69, 918	78, 784	103, 060	5, 602	4, 450
Mountain.....	143, 991	197, 678	31, 427	40, 984	8, 028	5, 447	99, 284	17, 056	997
Montana.....	18, 105	41, 051	6, 853	15, 563	1, 190	1, 063	25, 900	8, 459	652
Idaho.....	24, 694	35, 284	5, 708	6, 314	405	508	7, 167	1, 161	48
Wyoming.....	9, 019	13, 306	1, 903	2, 273	65	169	10, 094	1, 692	23
Colorado.....	37, 198	40, 846	8, 398	9, 535	574	553	21, 494	2, 881	87
New Mexico.....	32, 088	26, 593	1, 440	1, 370	2, 148	1, 875	22, 882	1, 403	64
Arizona.....	5, 218	8, 262	806	1, 067	3, 203	646	5, 311	431	60
Utah.....	15, 948	21, 276	5, 452	3, 972	276	414	4, 532	408	51
Nevada.....	1, 661	2, 090	367	884	161	219	1, 844	501	12
Pacific.....	132, 515	162, 744	52, 546	63, 095	4, 830	8, 325	43, 789	11, 642	722
Washington.....	37, 770	45, 265	17, 297	19, 757	1, 125	1, 260	10, 237	2, 906	101
Oregon.....	35, 810	40, 484	9, 056	9, 140	627	573	11, 432	2, 010	100
California.....	58, 926	76, 995	26, 193	34, 189	3, 078	6, 486	22, 119	6, 725	521

1 Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 584.—NUMBER AND ACREAGE OF FARMS: BY COLOR, NATIVITY, AND TENURE OF OPERATOR, UNITED STATES AND CERTAIN REGIONS AND DIVISIONS

NOTE.—For total number of farms (all tenures combined) see Table 572; for number of farms, by color and nativity of farmer (all tenures combined), see Table 583. The "North" includes New England, Middle Atlantic, East and West North Central divisions; the "South," the three subdivisions listed below it

Division and color and nativity	Number of farms operated by—				All land (thousands of acres) in farms operated by—			Improved land (thousands of acres) in farms operated by—		
	Owners and managers		Tenants		All farmers, 1920	Own-ers and man-agers, 1920	Ten-ants, 1920	All farm-ers, 1920	Own-ers and man-agers, 1920	Ten-ants, 1920
	1910	1920	1910	1920						
United States.....	4,006,826	3,993,539	2,364,676	2,454,804	955,884	690,904	204,980	503,073	327,318	175,755
Native white.....	3,212,071	3,236,550	1,558,392	1,630,830	709,767	583,404	216,304	411,266	271,155	140,111
Foreign-born white..	551,390	471,535	118,166	109,633	111,172	90,261	20,911	62,508	47,883	14,625
Colored.....	242,765	235,448	678,118	714,441	44,945	17,180	27,766	29,298	8,280	21,019
The North.....	2,125,117	1,984,188	765,601	779,218	432,272	300,061	131,611	291,960	192,325	90,641
Native white.....	1,669,820	1,622,968	670,792	701,062	356,314	239,750	116,564	242,871	154,382	88,189
Foreign-born white..	442,694	351,804	90,028	74,369	74,051	59,371	14,681	48,610	37,402	11,208
Colored.....	13,203	9,416	4,881	3,787	1,906	1,540	306	785	541	244
The South.....	1,560,795	1,615,543	1,530,762	1,591,121	350,122	243,043	107,079	157,080	93,040	64,040
Native white.....	1,304,650	1,304,289	849,295	868,645	300,381	222,005	78,376	125,682	83,210	42,472
Foreign-born white..	36,478	31,895	16,983	18,021	8,423	6,594	1,829	3,654	2,433	1,221
Colored.....	219,667	219,359	670,474	703,555	41,318	14,444	26,874	27,744	7,390	20,347
South Atlantic.....	901,452	616,888	510,420	542,088	97,775	66,200	31,575	48,510	20,499	19,011
Native white.....	492,466	506,722	256,412	261,049	78,825	50,801	18,934	30,743	26,404	10,340
Foreign-born white..	6,806	6,540	839	827	726	645	80	313	280	33
Colored.....	102,681	103,620	253,181	280,212	18,225	5,004	12,561	11,454	2,816	8,638
East South Central...	513,742	520,314	528,738	522,286	78,807	55,550	23,347	44,380	28,415	15,965
Native white.....	450,793	470,492	261,050	270,370	66,455	51,238	15,217	35,661	26,234	9,427
Foreign-born white..	3,963	2,875	856	631	320	293	36	177	153	25
Colored.....	58,986	55,947	266,232	251,285	12,114	4,019	8,095	8,542	2,028	6,513
West South Central...	445,001	469,341	497,585	526,747	173,449	121,292	52,157	64,190	35,125	20,064
Native white.....	361,391	387,075	331,233	337,220	155,100	110,875	44,224	53,278	30,572	22,796
Foreign-born white..	26,210	22,474	15,291	17,463	7,369	5,050	1,714	3,164	2,001	1,163
Colored.....	58,000	59,792	151,061	172,058	10,980	4,761	6,219	7,748	2,552	6,196
Mountain.....	163,756	206,631	19,690	37,478	117,337	103,892	13,475	30,100	25,129	4,977
Native white.....	127,912	166,840	16,079	30,838	90,284	87,492	11,792	24,014	20,412	4,202
Foreign-born white..	28,147	35,402	3,280	5,582	17,056	15,488	1,568	5,190	4,489	797
Colored.....	7,697	4,389	331	1,059	997	882	116	295	228	67
Pacific.....	157,158	187,177	32,733	46,987	56,153	43,338	12,815	23,922	16,825	7,097
Native white.....	110,289	132,459	22,220	30,285	43,789	34,216	9,572	18,890	13,152	5,247
Foreign-born white..	44,671	52,434	7,875	10,661	11,642	8,808	2,834	5,048	3,559	1,489
Colored.....	2,198	2,284	2,632	6,041	722	313	409	474	114	300

Source: Bureau of the Census, Department of Commerce.

NO. 585.—VALUE OF FARM PROPERTY: BY SIZE AND TENURE OF FARM, 1925

Division	Total, all farms	Farms of specified size—						
		Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 499 acres	500 to 999 acres	1,000 acres and over
Value of land and buildings (millions of dollars)								
United States.....	49,468	2,484	4,263	7,404	13,038	15,838	3,396	3,105
New England.....	906	121	137	184	213	204	31	14
Middle Atlantic.....	2,800	292	357	723	844	517	51	16
East North Central.....	11,024	356	702	2,231	3,816	3,602	205	62
West North Central.....	16,531	239	365	1,242	4,757	7,728	1,635	665
South Atlantic.....	4,099	381	752	808	852	891	224	184
East South Central.....	2,481	221	487	536	526	599	124	79
West South Central.....	4,050	160	530	839	1,217	1,134	347	724
Mountain.....	2,173	84	133	206	305	521	340	656
Pacific.....	4,495	631	791	570	529	792	420	736
Value of buildings alone (millions of dollars)								
United States.....	11,747	1,013	1,283	2,284	3,313	3,079	505	290
New England.....	492	80	81	102	110	99	14	5
Middle Atlantic.....	1,467	181	192	380	435	253	20	5
East North Central.....	3,055	181	271	772	1,052	727	44	7
West North Central.....	3,228	117	120	337	1,019	1,331	228	75
South Atlantic.....	1,118	135	212	247	230	220	46	24
East South Central.....	653	78	135	150	139	117	24	12
West South Central.....	782	50	112	167	202	168	44	50
Mountain.....	334	32	30	37	51	80	45	68
Pacific.....	617	159	131	82	69	84	39	64
Average value of land and buildings per farm (dollars)								
United States.....	7,764	2,570	2,939	5,210	9,422	10,806	23,192	49,025
New England.....	5,678	3,987	4,088	4,802	5,799	8,967	20,348	37,784
Middle Atlantic.....	6,684	3,223	6,000	6,149	7,780	11,439	35,902	53,488
East North Central.....	10,483	3,609	4,177	6,985	12,247	23,936	59,235	80,508
West North Central.....	14,875	3,960	4,063	7,282	13,544	21,259	26,086	38,410
South Atlantic.....	3,090	1,629	2,122	3,287	5,170	5,535	22,183	55,232
East South Central.....	2,466	953	1,408	2,410	3,797	7,647	20,448	40,386
West South Central.....	4,875	1,183	1,809	3,609	5,910	10,064	19,194	58,672
Mountain.....	9,310	3,133	4,940	7,477	7,559	8,399	10,651	32,465
Pacific.....	16,926	7,400	11,857	10,701	17,394	26,438	36,507	86,831
Farms operated by—								
Division	Full owners	Part owners	Cash tenants	Other tenants	Full owners	Part owners	Cash tenants	Other tenants
Value of land and buildings (millions of dollars)				Value of implements and machinery (millions of dollars)				
United States.....	24,209	6,808	3,370	13,480	1,482.0	385.9	158.1	608.6
New England.....	748	40	20	22	69.9	4.4	2.1	1.9
Middle Atlantic.....	2,006	145	175	357	247.9	19.8	15.0	42.9
East North Central.....	5,450	1,347	721	3,298	327.7	68.9	33.1	130.4
West North Central.....	6,498	3,210	1,634	5,116	340.1	177.7	69.3	223.3
South Atlantic.....	2,534	190	162	1,018	131.2	11.1	6.6	40.6
East South Central.....	1,457	157	141	685	77.4	9.2	7.1	28.0
West South Central.....	1,963	561	221	2,049	112.5	30.8	9.5	95.1
Mountain.....	980	581	91	405	64.3	34.2	4.8	21.0
Pacific.....	2,572	576	297	531	111.1	29.4	11.7	22.4
Average value of land and buildings per farm (dollars)				Average value of implements and machinery per farm (dollars)				
United States.....	7,308	12,270	8,565	8,515	447	694	404	283
New England.....	5,210	8,806	5,167	6,570	487	950	375	506
Middle Atlantic.....	6,041	8,999	7,097	8,080	746	1,229	682	972
East North Central.....	8,163	12,931	12,381	15,350	491	662	568	607
West North Central.....	12,849	17,823	16,193	15,732	673	987	732	637
South Atlantic.....	4,607	8,209	2,613	2,364	239	136	106	94
East South Central.....	3,324	2,592	1,783	1,601	177	151	91	66
West South Central.....	6,668	8,531	5,305	3,656	325	468	227	170
Mountain.....	7,165	13,709	8,309	9,911	470	806	439	537
Pacific.....	13,246	26,486	16,401	23,986	572	1,352	605	1,012

Source: Bureau of the Census, Department of Commerce.

No. 586.—MORTGAGE STATUS OF FARMS OWNED BY OPERATOR

Item	1890 ¹	1900 ¹	1910	1920	1925
FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR					
Total number.....	3, 142, 746	3, 038, 403	3, 948, 722	3, 025, 090	3, 868, 332
Reported as free from mortgage.....	2, 228, 806	2, 419, 180	2, 588, 596	2, 074, 325	(²)
Reported as mortgaged.....	874, 215	1, 093, 104	1, 312, 034	1, 461, 308	1, 395, 026
Unknown (no report).....	39, 725	126, 059	48, 092	389, 459	(²)
Per cent of total—					
Free from mortgage.....	70.9	66.5	65.6	52.8	(²)
Reporting mortgage debt.....	27.8	30.0	33.2	37.2	36.1
Unknown (no report).....	1.3	3.5	1.2	9.9	(²)
FARMS OWNED WHOLLY BY THE OPERATOR					
Total number.....	(²)	3, 201, 947	3, 354, 897	3, 366, 510	3, 313, 400
Number reporting amount of mortgage debt.....	\$ 886, 057	(²)	1, 006, 511	1, 193, 047	1, 128, 207
Per cent of total.....	(²)	(²)	30.0	35.4	34.0
Value of land and buildings.....1,000 dollars.....	(²)	9, 129, 328	17, 310, 639	30, 710, 721	24, 208, 740
Ratio of mortgage debt to value.....per cent.....	(²)	(²)	10.0	13.0	13.7
Reporting mortgage debt:					
Total number.....	\$ 886, 057	(²)	1, 006, 511	1, 193, 047	1, 128, 207
Value of land and buildings.....1,000 dollars.....	\$ 3, 054, 923	(²)	6, 330, 237	13, 775, 500	10, 790, 244
Amount of mortgage debt.....do.....	\$ 1, 086, 996	(²)	1, 726, 173	4, 003, 767	4, 517, 250
Ratio of mortgage debt to value.....per cent.....	\$ 35.5	(²)	27.3	29.1	41.9
Average per mortgaged farm—					
Value of land and buildings.....dollars.....	\$ 3, 444	(²)	0, 280	11, 546	9, 564
Amount of mortgage debt.....do.....	\$ 1, 224	(²)	1, 715	3, 356	4, 004
Equity owned.....do.....	\$ 2, 220	(²)	4, 574	8, 191	5, 560

¹ Farm homes occupied by their owners.

² Not available.

³ Estimated totals for owned farm homes mortgaged, estimates being made for farms with defective reports.

Source: Bureau of the Census, Department of Commerce.

No. 587.—FARMS OWNED WHOLLY BY OPERATOR AND REPORTING MORTGAGE DEBT: NUMBER, VALUE, AND MORTGAGE DEBT, BY SIZE OF FARM, 1925

Item	United States	Item	United States	Item	United States
Number of farms.....	1, 128, 207	Value of land and buildings 1,000 dollars—Contd.		Ratio of debt to value per cent—Contd.	
Under 3 acres.....	3, 060	175 to 259 acres.....	1, 474, 677	500 to 999 acres.....	39.7
3 to 9 acres.....	53, 121	260 to 499 acres.....	1, 616, 742	1,000 acres and over.....	36.9
10 to 19 acres.....	59, 725	500 to 999 acres.....	641, 832	Value per acre	
20 to 49 acres.....	187, 911	1,000 acres and over.....	512, 448	.....dollars.....	62.07
50 to 99 acres.....	297, 024	Amount of mortgage debt, 1,000 dollars.....	4, 517, 259	Under 3 acres.....	4, 061.14
100 to 174 acres.....	299, 335	Under 3 acres.....	6, 812	3 to 9 acres.....	916.37
175 to 259 acres.....	99, 118	3 to 9 acres.....	101, 391	10 to 19 acres.....	468.10
260 to 499 acres.....	90, 162	10 to 19 acres.....	129, 752	20 to 49 acres.....	152.45
500 to 999 acres.....	27, 549	20 to 49 acres.....	380, 395	50 to 99 acres.....	86.25
1,000 acres and over.....	11, 202	50 to 99 acres.....	798, 502	100 to 174 acres.....	74.41
Acreage in farms.....	172, 182, 218	100 to 174 acres.....	1, 327, 265	175 to 259 acres.....	70.24
Under 3 acres.....	4, 879	175 to 259 acres.....	642, 644	260 to 499 acres.....	52.05
3 to 9 acres.....	309, 643	260 to 499 acres.....	686, 290	500 to 999 acres.....	34.42
10 to 19 acres.....	779, 216	500 to 999 acres.....	254, 994	1,000 acres and over.....	16.20
20 to 49 acres.....	6, 522, 903	1,000 acres and over.....	189, 215	Mortgage debt per acre.....dollars.....	26.24
50 to 99 acres.....	21, 854, 189	Ratio of debt to value per cent.....	41.9	Under 3 acres.....	1, 396.10
100 to 174 acres.....	40, 383, 565	Under 3 acres.....	34.4	3 to 9 acres.....	337.25
175 to 259 acres.....	20, 993, 562	3 to 9 acres.....	36.8	10 to 19 acres.....	166.52
260 to 499 acres.....	31, 058, 620	10 to 19 acres.....	35.6	20 to 49 acres.....	58.32
500 to 999 acres.....	18, 647, 691	20 to 49 acres.....	38.3	50 to 99 acres.....	36.54
1,000 acres and over.....	31, 636, 950	50 to 99 acres.....	42.4	100 to 174 acres.....	32.87
Value of land and buildings.....1,000 dollars.....	10, 790, 244	100 to 174 acres.....	44.2	175 to 259 acres.....	30.61
Under 3 acres.....	19, 814	175 to 259 acres.....	43.6	260 to 499 acres.....	22.10
3 to 9 acres.....	275, 499	260 to 499 acres.....	42.4	500 to 999 acres.....	13.07
10 to 19 acres.....	364, 751			1,000 acres and over.....	5.98
20 to 49 acres.....	994, 394				
50 to 99 acres.....	1, 584, 952				
100 to 174 acres.....	3, 005, 184				

Source: Bureau of the Census, Department of Commerce.

No. 588.—MORTGAGE STATUS OF FARMS OWNED WHOLLY OR IN PART
BY THE OPERATOR: BY STATES

Note.—In 1910 and 1920 the number of all owned farms includes farms with mortgage status not reported, which constituted only 1.2 per cent in 1910 and 9.9 per cent in 1920. The data for 1925 do not include farms with mortgage status not reported, therefore the percentage for 1925 is not available

Division and State	All owned farms (number)			Free from mortgage (number)		Mortgaged (number)		
	1910	1920	1925	1910	1920	1910	1920	1925
United States.....	3,948,722	3,925,090	3,868,332	2,586,596	2,074,325	1,312,034	1,461,806	1,395,026
New England.....	168,408	140,160	148,169	106,938	80,412	58,474	55,138	49,864
Maine.....	56,454	45,437	47,984	41,800	30,065	14,948	18,023	11,925
New Hampshire.....	24,493	18,604	19,895	18,110	11,992	6,234	5,389	4,716
Vermont.....	28,065	25,121	24,889	14,861	12,132	13,140	12,225	10,850
Massachusetts.....	32,075	28,087	30,870	18,768	14,055	13,014	12,632	12,248
Rhode Island.....	4,087	3,245	3,203	2,811	1,971	1,180	940	946
Connecticut.....	23,284	19,606	21,258	13,080	9,597	9,958	8,920	9,170
Middle Atlantic.....	855,086	927,104	948,179	217,267	179,326	134,803	126,216	110,810
New York.....	160,674	151,717	159,949	93,118	75,522	72,311	66,633	61,005
New Jersey.....	24,133	21,889	24,535	11,983	10,000	11,793	10,085	10,118
Pennsylvania.....	164,229	163,498	163,605	112,156	93,804	50,699	48,498	38,787
East North Central.....	809,044	766,786	771,876	473,822	382,771	327,463	326,313	305,046
Ohio.....	192,104	177,986	181,347	135,616	110,004	54,907	50,784	47,800
Indiana.....	148,501	137,210	137,420	89,847	73,233	56,914	51,474	49,900
Illinois.....	145,107	132,574	129,074	86,713	68,892	55,702	51,030	45,814
Michigan.....	172,310	169,406	161,974	88,705	72,869	62,031	78,768	70,853
Wisconsin.....	151,022	159,610	162,052	72,941	57,773	77,129	94,268	90,619
West North Central.....	758,949	711,166	685,797	404,555	278,906	346,182	368,168	350,991
Minnesota.....	122,014	132,744	136,382	66,038	54,086	50,145	69,545	66,310
Iowa.....	133,003	121,858	116,444	63,234	45,807	68,045	66,096	64,781
Missouri.....	192,285	185,030	174,383	102,514	82,099	88,486	85,588	76,970
North Dakota.....	63,212	59,917	49,513	30,651	12,833	31,727	40,462	31,602
South Dakota.....	57,984	47,815	46,160	35,101	10,037	21,691	27,262	28,813
Nebraska.....	79,250	69,672	67,706	47,432	27,055	30,330	35,191	38,279
Kansas.....	111,108	97,090	95,149	60,688	40,979	40,249	44,004	44,227
South Atlantic.....	598,154	607,089	609,304	474,742	468,804	110,198	118,026	126,838
Delaware.....	6,178	6,010	6,515	3,817	3,504	2,264	2,018	1,748
Maryland.....	33,519	32,895	35,138	21,084	19,292	12,127	11,339	10,513
Dist. of Columbia.....	118	100	81	93	53	21	29	19
Virginia.....	133,064	136,393	143,587	111,474	98,470	21,182	24,331	27,075
West Virginia.....	75,978	72,101	74,943	66,093	52,617	9,525	10,274	9,104
North Carolina.....	145,320	151,370	154,805	117,028	102,950	26,642	24,499	29,618
South Carolina.....	64,360	67,724	69,969	47,536	42,847	15,020	14,299	15,521
Georgia.....	98,028	102,123	88,680	78,004	64,061	18,267	23,135	24,083
Florida.....	35,390	38,487	46,568	29,614	25,010	5,160	8,102	8,857
East South Central.....	510,482	525,698	497,825	388,887	398,312	114,195	124,723	119,931
Kentucky.....	170,332	176,327	175,442	136,505	116,613	55,039	60,615	64,683
Tennessee.....	144,125	148,082	148,627	118,289	105,128	24,000	32,264	30,793
Alabama.....	103,629	107,089	92,948	74,604	64,498	27,467	27,864	27,790
Mississippi.....	92,006	91,310	89,899	60,543	53,073	20,093	23,990	26,750
West South Central.....	440,905	494,398	412,064	299,308	286,932	132,252	162,735	147,212
Arkansas.....	100,640	112,647	95,476	82,321	64,881	22,374	33,990	31,419
Louisiana.....	62,089	57,254	52,380	42,011	36,010	9,834	11,783	14,424
Oklahoma.....	85,404	93,217	51,226	46,889	30,551	30,039	47,025	39,283
Texas.....	195,863	201,210	182,976	128,932	105,490	64,008	69,940	62,106
Mountain.....	160,844	202,515	187,198	125,940	88,731	33,060	97,038	84,889
Montana.....	23,365	50,271	39,281	18,014	16,365	4,820	26,897	19,818
Idaho.....	27,169	34,647	30,195	17,933	11,872	6,010	20,600	16,609
Wyoming.....	9,779	12,645	12,645	7,815	6,310	1,923	5,513	6,088
Colorado.....	36,093	45,291	39,517	26,822	20,945	9,580	21,131	20,987
New Mexico.....	39,398	28,756	26,065	31,382	16,650	1,775	6,257	6,887
Arizona.....	8,203	7,869	8,179	7,085	3,708	1,043	3,380	3,276
Utah.....	19,772	22,579	23,013	15,131	10,756	4,492	9,916	10,160
Nevada.....	2,175	2,699	3,493	1,805	1,599	361	884	1,164
Pacific.....	151,933	180,144	215,930	95,299	79,131	55,407	85,956	99,395
Washington.....	47,505	52,701	60,389	30,979	25,012	16,026	24,004	27,604
Oregon.....	37,790	30,893	45,887	24,855	18,077	12,632	17,843	20,990
California.....	66,638	87,580	109,654	39,368	36,042	26,749	44,109	50,801

Source: Bureau of the Census, Department of Commerce.

No. 589.—MORTGAGE DEBT OF FARMS OWNED WHOLLY BY THE OPERATOR:
By States

NOTE.—This table does not include farms operated by managers or tenants or consisting in part of rented land

Division and State	Farms operated by full owners reporting amount of mortgage debt								
	Number of farms			Value of land and buildings (thousands of dollars)			Amount of debt (thousands of dollars)		
	1910	1920	1925	1910	1920	1925	1910	1920	1925
United States.....	1,006,511	1,193,047	1,128,207	6,330,237	13,775,500	10,790,244	1,726,173	4,003,767	4,517,269
New England.....	53,791	49,456	47,817	183,826	271,123	272,769	53,536	91,756	109,361
Maine.....	13,804	12,345	11,032	39,774	58,427	59,044	11,739	18,592	24,619
New Hampshire.....	5,060	4,951	4,591	15,457	20,274	18,264	4,774	6,821	7,200
Vermont.....	12,138	11,504	10,431	36,859	61,071	51,883	12,436	23,576	24,057
Massachusetts.....	12,030	11,663	11,060	49,742	70,745	76,362	16,371	23,412	28,402
Rhode Island.....	1,001	850	809	4,088	4,865	5,185	1,356	1,404	1,971
Connecticut.....	9,062	8,137	8,034	37,906	55,781	61,431	11,859	17,861	23,102
Middle Atlantic.....	118,220	113,441	104,317	516,335	711,868	696,066	178,326	258,397	286,334
New York.....	62,555	59,735	57,245	284,659	388,114	397,880	97,310	145,533	165,022
New Jersey.....	10,666	9,206	9,824	55,507	67,176	81,064	10,477	25,123	31,803
Pennsylvania.....	44,999	44,410	37,248	176,168	256,577	216,152	61,539	87,741	88,818
East N. Central.....	257,884	274,347	255,240	1,605,965	2,959,228	2,289,825	459,887	932,266	1,011,942
Ohio.....	42,785	43,098	41,110	220,750	387,188	307,622	63,788	121,121	134,738
Indiana.....	40,108	40,416	38,734	251,061	439,153	300,320	67,487	105,256	119,627
Illinois.....	36,938	36,023	31,354	454,857	775,395	535,833	115,800	197,212	218,544
Michigan.....	68,055	67,119	60,707	250,874	420,108	351,700	76,997	144,103	149,683
Wisconsin.....	69,398	87,081	83,341	427,622	937,385	795,252	140,815	364,574	389,350
West N. Central.....	236,975	296,281	239,431	2,361,541	5,414,232	3,660,025	608,481	1,437,337	1,642,124
Minnesota.....	41,775	67,535	52,184	205,016	925,903	612,428	77,806	254,475	207,027
Iowa.....	50,452	62,341	49,744	735,205	1,814,200	1,272,030	204,249	480,817	625,020
Missouri.....	64,628	68,784	59,494	389,479	762,008	493,703	112,595	216,403	220,265
North Dakota.....	19,187	22,623	15,597	213,643	380,133	200,549	47,842	108,285	82,411
South Dakota.....	11,313	14,039	13,511	154,749	411,837	234,807	32,771	89,875	100,360
Nebraska.....	19,778	23,986	23,631	286,309	705,561	512,900	92,373	198,508	216,256
Kansas.....	30,442	26,923	25,270	287,082	424,469	333,506	79,820	100,914	130,231
South Atlantic.....	86,522	103,039	113,567	270,317	652,812	670,908	73,597	192,669	249,285
Delaware.....	2,021	1,903	1,723	8,802	11,422	9,874	3,069	4,430	4,370
Maryland.....	10,754	10,407	10,118	44,309	75,082	69,717	15,674	27,481	29,525
Dist. Columbia.....	20	24	16	233	238	222	56	93	77
Virginia.....	17,410	21,155	24,269	62,377	151,585	159,208	15,440	41,726	55,890
West Virginia.....	7,878	9,031	8,400	21,549	43,989	38,633	5,593	11,206	13,828
North Carolina.....	19,252	20,149	24,933	42,952	103,282	119,990	9,958	31,968	43,021
South Carolina.....	11,189	12,265	13,069	39,594	92,053	80,251	10,109	25,153	32,504
Georgia.....	13,839	20,797	22,024	37,520	124,570	122,228	10,988	37,671	51,076
Florida.....	4,159	7,308	8,356	12,884	50,581	70,377	2,710	12,910	18,270
East S. Central.....	85,282	109,619	103,732	203,125	570,595	482,813	59,770	176,102	202,449
Kentucky.....	25,846	35,531	29,782	81,315	230,557	150,923	23,411	67,116	95,403
Tennessee.....	17,362	27,496	25,770	47,232	159,001	131,288	12,626	49,836	53,800
Alabama.....	19,230	24,748	23,059	32,311	81,859	79,541	10,351	29,103	33,328
Mississippi.....	22,844	21,844	24,571	42,200	99,149	121,061	13,381	30,046	40,820
West S. Central.....	90,687	131,560	117,523	484,015	1,134,848	924,782	121,309	304,632	345,423
Arkansas.....	16,555	29,504	26,489	35,035	126,348	115,471	8,941	38,539	46,293
Louisiana.....	7,520	10,301	12,958	28,772	68,362	70,564	8,950	20,491	30,270
Oklahoma.....	24,588	34,045	27,366	122,327	272,616	184,013	27,385	73,434	73,079
Texas.....	48,024	67,700	50,710	297,881	664,523	554,735	76,089	172,107	195,700
Mountain.....	26,731	74,118	59,393	247,094	927,908	543,823	59,364	233,424	234,899
Montana.....	3,990	21,244	11,754	44,615	240,550	95,174	10,741	77,950	42,505
Idaho.....	7,594	17,142	12,997	64,376	223,649	121,917	14,557	69,868	54,912
Wyoming.....	1,531	3,937	3,053	16,675	55,610	33,554	4,208	15,393	14,865
Colorado.....	7,571	15,735	14,444	77,332	211,701	144,065	18,986	62,623	61,408
New Mexico.....	1,397	4,331	4,828	10,083	43,085	31,215	2,599	11,178	11,579
Arizona.....	813	2,870	2,628	8,695	50,453	36,330	2,253	15,048	13,321
Utah.....	3,523	8,086	7,990	21,320	84,578	59,172	4,504	24,335	26,104
Nevada.....	300	767	1,068	4,297	18,281	22,296	1,464	6,519	10,084
Pacific.....	44,419	71,196	87,156	457,119	1,132,848	1,248,298	106,847	337,184	435,493
Washington.....	12,715	19,503	23,412	113,395	202,018	199,425	25,045	61,121	74,212
Oregon.....	10,274	14,355	17,893	93,525	166,693	174,198	21,166	51,909	65,592
California.....	21,430	37,338	46,851	250,199	764,166	874,675	60,637	224,064	295,680

Source: Bureau of the Census, Department of Commerce.

No. 590.—NUMBER OF FARMS: BY KIND OF ROAD ON WHICH LOCATED AND DISTANCE FROM NEAREST MARKET TOWN

Item	United States	New England	Middle Atlantic	East North Central	West North Central
Total number of farms.....	6,371,640	159,489	418,808	1,051,572	1,111,314
Kind of road located on:					
Concrete or brick.....	156,434	2,066	26,048	52,298	8,735
Macadam.....	316,527	19,074	66,883	101,231	6,420
Gravel.....	646,057	38,836	33,832	339,076	115,906
Improved dirt.....	1,998,704	35,656	63,270	188,522	495,410
Unimproved dirt.....	2,747,732	60,808	208,958	337,794	450,338
All other (including not reported).....	206,186	2,949	19,877	32,651	34,505
Distance from nearest market town:					
Farms reporting.....	6,279,368	157,877	408,754	1,036,655	1,094,313
Under 2 miles.....	802,785	26,044	60,893	170,599	154,633
2 to 3.9 miles.....	1,463,173	40,700	107,896	325,945	286,287
4 to 5.9 miles.....	1,261,574	30,756	80,765	250,637	262,173
6 to 7.9 miles.....	962,098	21,466	52,966	138,091	167,751
8 to 9.9 miles.....	563,244	13,161	30,985	65,247	90,410
10 to 14.9 miles.....	736,034	16,596	43,540	58,777	86,522
15 miles and over.....	550,460	9,214	31,709	27,059	43,567
Farms not reporting.....	92,272	1,612	10,114	14,917	17,001

Item	South Atlantic	East South Central	West South Central	Mountain	Pacific
Total number of farms.....	1,108,061	1,008,052	1,017,305	233,392	285,587
Kind of road located on:					
Concrete or brick.....	24,044	6,495	7,548	4,833	23,767
Macadam.....	30,672	64,227	7,753	831	19,436
Gravel.....	42,763	152,680	112,573	30,954	79,497
Improved dirt.....	385,994	281,937	410,785	82,777	54,953
Unimproved dirt.....	589,343	472,522	452,117	102,245	73,907
All other (including not reported).....	34,765	23,891	26,529	11,752	14,327
Distance from nearest market town:					
Farms reporting.....	1,063,177	991,780	1,006,320	229,543	260,949
Under 2 miles.....	106,063	97,324	109,278	28,556	40,350
2 to 3.9 miles.....	208,330	181,479	202,324	39,604	67,548
4 to 5.9 miles.....	166,270	168,021	196,898	36,955	43,839
6 to 7.9 miles.....	165,121	144,501	159,007	28,516	28,839
8 to 9.9 miles.....	115,448	107,153	105,646	16,723	18,466
10 to 14.9 miles.....	162,833	171,610	142,757	28,049	25,050
15 miles and over.....	139,112	120,487	89,510	62,011	27,791
Farms not reporting.....	14,884	14,272	10,985	3,840	4,638

Source: Bureau of the Census, Department of Commerce.

No. 591.—FARM EXPENDITURES FOR LABOR,

Division and State	Labor						Fertilizer	
	Farms reporting				Cash expended (thousands of dollars)		Farms reporting	
	Number		Per cent of all farms				Number	
	1919	1924	1919	1924	1919	1924	1919	1924
United States.....	2, 888, 009	2, 536, 721	44. 8	30. 8	1, 098, 713	864, 982	2, 271, 179	2, 184, 056
New England.....	90, 031	77, 313	57. 5	48. 5	43, 087	41, 245	77, 965	74, 289
Maine.....	26, 735	23, 041	55. 4	47. 3	7, 506	6, 800	22, 041	25, 437
New Hampshire.....	11, 365	9, 292	55. 4	44. 1	3, 665	3, 015	8, 700	6, 983
Vermont.....	18, 171	14, 822	62. 6	53. 3	5, 789	4, 560	14, 568	13, 008
Massachusetts.....	18, 322	15, 788	57. 3	47. 2	13, 029	14, 375	16, 992	15, 143
Rhode Island.....	2, 296	2, 159	56. 2	55. 2	1, 730	1, 894	2, 297	2, 184
Connecticut.....	13, 142	11, 611	58. 0	50. 0	11, 067	10, 002	12, 068	11, 533
Middle Atlantic.....	240, 960	214, 879	61. 4	51. 3	95, 198	80, 707	280, 583	250, 649
New York.....	121, 256	101, 091	62. 8	53. 6	49, 346	42, 230	113, 578	102, 403
New Jersey.....	18, 588	15, 478	62. 6	52. 2	14, 359	14, 180	22, 774	20, 191
Pennsylvania.....	121, 116	98, 310	59. 9	49. 0	31, 494	24, 370	144, 231	128, 055
East North Central.....	582, 622	472, 301	53. 7	44. 9	182, 314	126, 504	360, 314	315, 039
Ohio.....	124, 806	92, 190	48. 6	37. 7	36, 339	22, 026	105, 556	107, 207
Indiana.....	93, 207	60, 430	45. 4	33. 9	25, 009	14, 648	98, 703	76, 050
Illinois.....	161, 300	124, 543	63. 8	55. 2	60, 909	43, 146	22, 488	21, 559
Michigan.....	102, 431	85, 213	52. 1	44. 3	24, 876	19, 847	65, 782	61, 874
Wisconsin.....	110, 878	103, 925	53. 6	53. 8	34, 582	29, 837	7, 785	18, 049
West North Central.....	672, 988	608, 112	61. 4	54. 7	203, 703	186, 964	60, 913	44, 007
Minnesota.....	111, 697	104, 924	62. 6	55. 7	36, 451	27, 463	3, 031	4, 989
Iowa.....	136, 682	119, 763	64. 0	50. 1	52, 042	35, 529	3, 177	6, 382
Missouri.....	125, 248	94, 715	47. 6	36. 4	33, 037	18, 632	47, 363	27, 924
North Dakota.....	51, 109	62, 050	65. 8	81. 7	27, 736	33, 803	488	841
South Dakota.....	49, 658	49, 540	66. 5	62. 3	24, 122	15, 492	175	309
Nebraska.....	80, 696	74, 950	64. 9	58. 7	34, 604	22, 560	470	815
Kansas.....	117, 908	102, 180	71. 3	61. 6	54, 761	33, 785	0, 183	3, 247
South Atlantic.....	378, 580	306, 698	32. 5	27. 7	88, 226	73, 336	933, 634	842, 966
Delaware.....	5, 394	4, 426	53. 2	43. 2	2, 052	1, 769	9, 107	7, 836
Maryland.....	29, 123	24, 065	60. 8	50. 3	12, 915	9, 833	30, 270	35, 695
Dist. of Columbia.....	112	78	54. 9	56. 1	140	322	110	89
Virginia.....	60, 500	60, 427	36. 7	31. 2	17, 093	15, 237	135, 218	126, 373
West Virginia.....	31, 328	24, 300	35. 9	26. 9	4, 787	3, 701	36, 809	28, 045
North Carolina.....	78, 394	69, 551	20. 1	24. 5	10, 818	8, 096	224, 767	238, 319
South Carolina.....	62, 095	39, 531	32. 2	22. 9	13, 688	8, 169	176, 637	155, 050
Georgia.....	83, 444	60, 345	26. 9	24. 2	16, 705	11, 926	280, 385	212, 214
Florida.....	20, 190	23, 275	37. 4	39. 3	10, 118	14, 232	28, 925	37, 945
East South Central.....	247, 908	193, 222	23. 6	19. 2	37, 855	26, 016	418, 217	440, 613
Kentucky.....	70, 953	54, 870	28. 4	21. 2	15, 292	8, 881	86, 687	71, 874
Tennessee.....	70, 494	56, 341	27. 0	22. 3	9, 047	7, 097	84, 827	80, 082
Alabama.....	57, 308	52, 892	22. 4	22. 3	6, 589	5, 503	175, 407	184, 079
Mississippi.....	43, 151	29, 159	15. 9	11. 3	6, 327	4, 535	71, 296	104, 678
West South Central.....	389, 894	386, 280	39. 2	38. 0	147, 417	119, 705	109, 894	179, 496
Arkansas.....	66, 720	62, 223	28. 7	28. 0	12, 068	9, 078	41, 338	56, 828
Louisiana.....	30, 166	27, 191	22. 3	20. 5	10, 700	11, 856	37, 652	54, 412
Oklahoma.....	102, 674	94, 978	53. 5	48. 2	35, 333	26, 238	2, 445	2, 235
Texas.....	100, 434	101, 888	43. 7	43. 4	80, 315	71, 033	27, 450	65, 021
Mountain.....	125, 480	128, 898	51. 4	55. 2	84, 892	69, 350	4, 926	4, 077
Montana.....	24, 378	30, 408	42. 3	64. 8	15, 093	15, 136	453	132
Idaho.....	24, 789	22, 811	58. 9	56. 2	14, 734	9, 294	576	633
Wyoming.....	6, 961	7, 012	44. 2	45. 2	6, 717	5, 733	55	45
Colorado.....	35, 149	33, 740	58. 6	58. 2	23, 147	16, 854	1, 184	1, 182
New Mexico.....	11, 538	11, 823	38. 7	37. 3	5, 260	4, 934	1, 458	1, 127
Arizona.....	5, 639	5, 820	56. 5	53. 9	7, 064	7, 287	126	252
Utah.....	15, 933	14, 917	58. 6	57. 4	7, 472	5, 145	1, 017	684
Nevada.....	1, 893	2, 328	63. 0	60. 0	4, 290	3, 908	58	22
Pacific.....	142, 428	149, 108	60. 8	56. 1	155, 420	142, 064	25, 733	27, 320
Washington.....	38, 055	38, 155	57. 4	49. 3	28, 330	21, 727	3, 645	4, 801
Oregon.....	27, 959	28, 117	55. 7	50. 3	17, 162	14, 991	5, 014	5, 883
California.....	76, 414	84, 836	64. 9	62. 2	100, 928	105, 340	16, 474	16, 546

Source: Bureau of the Census, Department of Commerce.

FERTILIZER, AND FEED: BY STATES, 1919 AND 1924

Fertilizer—Continued				Feed						Division and State
Farms reporting—Continued		Cash expended (thousands of dollars)		Farms reporting				Cash expended (thousands of dollars)		
Per cent of all farms				Number		Per cent of all farms				
1919	1924	1919	1924	1919	1924	1919	1924	1919	1924	
35.2	34.3	320,400	230,428	3,511,121	3,190,739	54.4	50.1	1,097,225	750,445	United States.
49.8	46.6	18,323	16,336	134,450	139,968	85.9	82.1	69,539	64,322	New England.
40.9	50.8	7,760	7,000	39,794	37,257	82.5	74.5	14,850	11,008	Maine.
42.9	33.1	520	441	18,015	17,228	87.8	81.8	8,726	7,467	New Hampshire.
50.1	40.8	857	794	25,389	23,287	87.3	83.8	11,071	10,034	Vermont.
53.1	45.3	3,007	3,330	28,853	28,853	87.0	86.2	20,273	19,775	Massachusetts.
50.3	55.8	380	3,301	3,008	3,033	88.4	92.9	2,880	3,046	Rhode Island.
55.9	49.6	4,894	4,369	19,791	20,710	87.4	80.1	11,721	12,590	Connecticut.
66.0	50.8	41,439	31,393	340,030	320,362	80.0	76.5	140,363	122,165	Middle Atlantic.
58.8	54.3	15,067	11,007	168,428	145,614	82.0	77.1	82,966	62,075	New York.
70.7	63.0	10,743	8,597	24,033	24,906	83.9	83.9	14,719	16,469	New Jersey.
71.3	63.9	15,628	11,189	160,710	149,842	77.5	74.8	51,678	43,621	Pennsylvania.
33.2	30.0	30,560	22,140	683,478	605,911	63.0	57.6	197,070	119,625	East North Central
04.5	56.1	13,206	9,082	142,663	142,305	63.0	58.2	40,378	26,087	Ohio.
48.1	39.3	8,735	5,712	130,075	102,795	63.4	52.5	42,306	19,066	Indiana.
9.5	6.6	2,000	2,238	158,150	128,484	60.7	57.0	64,523	32,371	Illinois.
33.5	32.2	4,873	3,071	111,191	65,302	56.6	49.6	21,830	14,600	Michigan.
4.1	0.3	780	1,137	122,372	136,035	64.6	70.0	27,019	27,019	Wisconsin.
5.6	4.0	6,168	3,092	693,629	600,968	63.2	54.1	307,163	173,731	West North Central.
1.7	2.7	433	454	100,530	95,044	56.3	50.5	22,941	14,639	Minnesota.
1.5	3.0	507	638	147,605	134,282	62.2	62.0	70,069	49,281	Iowa.
18.0	10.7	3,941	1,498	164,630	144,742	62.6	55.6	60,172	33,841	Missouri.
.6	.4	120	76	41,667	20,260	54.0	34.6	12,155	3,845	North Dakota.
.2	.4	34	52	37,006	30,411	50.9	38.2	10,689	8,737	South Dakota.
.4	.6	65	133	83,374	71,002	67.0	55.7	58,924	34,309	Nebraska.
3.7	2.0	979	342	117,548	90,135	71.1	59.8	57,515	26,078	Kansas.
80.6	76.1	185,700	110,472	480,494	402,747	41.5	36.3	60,505	49,770	South Atlantic.
89.8	70.4	1,222	1,142	6,405	6,926	63.2	67.5	1,490	1,935	Delaware.
82.0	72.6	7,010	5,126	33,363	32,544	69.6	66.4	8,045	7,600	Maryland.
50.9	64.0	23	39	163	100	75.0	71.0	1,171	201	Dist.of Columbia.
72.6	65.2	17,278	13,083	97,207	91,338	52.2	47.1	12,400	10,367	Virginia.
40.5	32.1	1,710	1,049	47,183	51,406	54.1	50.9	5,640	5,062	West Virginia.
84.8	84.1	48,707	32,002	128,904	107,350	47.8	37.0	12,292	8,075	North Carolina.
91.6	90.1	52,547	24,306	60,088	28,741	31.2	15.5	5,904	2,322	South Carolina.
90.2	85.2	40,196	21,100	86,580	62,682	27.9	25.2	9,539	6,305	Georgia.
53.6	64.1	10,317	12,635	20,471	23,501	37.9	30.8	5,025	6,403	Florida.
30.8	44.4	25,477	25,891	360,149	365,604	35.1	36.6	43,364	35,583	East South Central.
32.0	27.8	3,597	2,279	119,689	94,052	44.2	36.4	16,017	9,163	Kentucky.
33.6	34.1	3,625	2,786	100,074	92,139	39.6	36.5	11,165	8,701	Tennessee.
68.5	77.5	14,066	14,664	71,008	86,606	28.0	36.4	5,921	7,063	Alabama.
20.2	40.7	4,288	6,262	77,718	95,897	28.6	37.3	10,261	10,650	Mississippi.
10.9	17.5	8,697	11,461	505,490	486,710	50.7	47.8	121,092	73,778	West South Central.
17.8	25.0	2,673	2,905	118,908	111,809	51.2	50.4	17,725	12,379	Arkansas.
27.8	41.1	3,840	4,140	56,423	66,910	41.7	50.5	12,232	10,121	Louisiana.
1.3	1.1	452	203	114,488	106,105	59.0	53.8	30,372	15,018	Oklahoma.
6.3	14.0	1,831	4,124	215,581	201,886	40.4	43.4	40,702	34,661	Texas.
2.0	1.7	809	378	141,139	107,395	57.8	46.0	68,636	31,638	Mountain.
.8	.3	126	6	37,901	16,406	65.7	35.0	19,791	3,578	Montana.
1.4	1.0	106	59	24,062	19,360	57.1	47.7	10,709	5,494	Idaho.
.3	.3	8	7	8,823	7,050	50.0	45.4	0,910	2,587	Wyoming.
2.0	2.0	204	127	36,002	20,598	60.2	51.0	18,431	10,371	Colorado.
4.9	3.0	113	88	14,586	15,349	48.9	48.4	5,371	3,347	New Mexico.
1.3	2.3	41	40	4,900	6,139	49.2	50.8	2,060	2,413	Arizona.
4.0	2.6	109	42	13,082	11,313	51.0	43.5	3,941	2,502	Utah.
1.8	.6	10	2	1,087	2,180	53.3	50.1	1,423	1,346	Nevada.
11.0	10.3	9,198	9,365	163,214	166,966	69.7	62.9	80,493	80,333	Pacific.
5.5	6.7	526	635	51,038	51,230	77.0	60.9	20,722	17,161	Washington.
11.2	10.5	400	458	34,404	35,381	68.5	63.3	13,300	10,150	Oregon.
14.0	12.1	8,183	8,371	77,772	80,375	66.1	58.9	46,381	53,016	California.

**No. 592.—COOPERATIVE MARKETING AND PURCHASING THROUGH
FARMERS' ORGANIZATIONS: BY DIVISIONS, 1919 AND 1924**

NOTE.—For total number of all farms (base for percentages) see Table 572

Division	Number of farms reporting sales			Number of farms reporting purchases			Value of farm products sold		Value of supplies purchased	
	1919	1924	Per cent of all farms, 1924	1919	1924	Per cent of all farms, 1924	1919	1924	1919	1924
							Thousands of dollars			
United States	611,383	884,207	13.0	326,440	362,745	5.7	721,084	868,284	84,616	75,971
New England.....	4,060	10,845	6.8	7,570	10,787	6.8	5,017	20,745	3,036	5,709
Middle Atlantic.....	33,854	39,295	9.4	17,884	24,716	5.9	61,224	50,274	6,194	7,377
East North Central.....	144,339	205,400	19.5	83,518	103,199	9.8	132,639	145,008	14,306	15,688
West North Central.....	243,288	303,190	27.3	166,084	140,588	12.7	300,821	292,364	43,116	25,740
South Atlantic.....	9,517	90,879	8.2	12,230	20,830	1.9	20,640	73,377	2,608	4,008
East South Central.....	12,705	91,073	9.1	5,285	21,203	2.1	5,271	49,827	763	2,692
West South Central.....	15,635	67,715	6.7	9,332	17,720	1.7	26,934	75,724	2,803	2,703
Mountain.....	12,785	24,581	10.5	13,875	8,000	3.4	17,443	35,043	3,769	1,710
Pacific.....	35,200	51,220	19.3	13,062	15,612	6.9	161,094	115,871	8,021	9,385

Source: Bureau of the Census, Department of Commerce.

**No. 593.—COOPERATIVE MARKETING AND PURCHASING THROUGH
FARMERS' ORGANIZATIONS: BY STATES, 1924**

State	Number of farms reporting—		Value (thousands of dollars) of—		State	Number of farms reporting—		Value (thousands of dollars) of—	
	Sales	Purchases	Farm products sold	Supplies purchased		Sales	Purchases	Farm products sold	Supplies purchased
New England:					South Atlantic—Con.				
Maine.....	2,555	1,896	3,823	626	West Virginia.....	3,106	2,769	919	320
New Hampshire.....	428	1,701	375	911	North Carolina.....	22,167	2,791	13,018	450
Vermont.....	2,745	3,186	3,877	1,485	South Carolina.....	10,601	810	8,622	335
Massachusetts.....	2,991	2,278	4,145	1,402	Georgia.....	13,376	2,388	9,682	304
Rhode Island.....	235	213	571	123	Florida.....	7,755	2,093	13,104	1,267
Connecticut.....	2,791	1,513	7,955	1,102	East South Central:				
Middle Atlantic:					Kentucky.....	59,704	3,308	27,515	504
New York.....	26,580	12,500	37,945	3,927	Tennessee.....	15,303	4,490	7,182	446
New Jersey.....	1,401	1,600	2,309	957	Alabama.....	11,365	7,040	7,029	1,021
Pennsylvania.....	11,808	10,601	10,020	2,402	Mississippi.....	10,701	5,855	8,102	721
East North Central:					West South Central:				
Ohio.....	39,995	24,711	27,901	3,500	Arkansas.....	8,861	3,910	7,119	459
Indiana.....	28,550	14,558	17,213	1,774	Louisiana.....	10,114	4,393	8,604	732
Illinois.....	52,608	17,471	52,828	2,979	Oklahoma.....	10,040	4,878	20,854	697
Michigan.....	38,730	25,124	19,552	3,607	Texas.....	29,691	4,539	39,147	794
Wisconsin.....	45,528	21,335	27,484	3,738	Mountain:				
West North Central:					Montana.....	2,809	798	3,081	135
Minnesota.....	79,891	26,066	73,261	3,844	Idaho.....	3,272	1,040	2,712	144
Iowa.....	72,639	34,084	81,261	6,581	Wyoming.....	1,231	612	1,009	226
Missouri.....	60,800	33,343	32,575	4,588	Colorado.....	10,828	3,793	21,090	833
North Dakota.....	12,913	5,527	17,032	1,363	New Mexico.....	2,014	829	3,254	139
South Dakota.....	17,769	8,835	18,651	1,451	Arizona.....	523	222	1,514	65
Nebraska.....	28,139	15,491	32,741	3,715	Utah.....	3,775	974	2,368	110
Kansas.....	30,979	17,322	36,805	4,199	Nevada.....	39	12	10	2
South Atlantic:					Pacific:				
Delaware.....	193	415	122	136	Washington.....	13,205	0,500	20,564	3,470
Maryland.....	6,121	3,817	7,298	910	Oregon.....	5,590	2,868	8,092	1,190
Virginia.....	27,560	5,768	20,912	1,250	California.....	32,425	0,254	87,245	4,755

Source: Bureau of the Census, Department of Commerce.

No. 594.—FARMS REPORTING MOTOR VEHICLES, TELEPHONES, WATER PIPED INTO HOUSE, AND GAS OR ELECTRIC LIGHT, 1920

Division and State	Automobiles		Motor trucks		Tractors		Telephones		Water piped into house		Gas or electric light	
	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms
United States.....	1, 979, 564	30.7	131, 551	2.0	229, 352	3.6	2, 498, 493	38.7	643, 699	10.0	452, 620	7.0
New England.....	40, 209	25.7	7, 294	4.7	2, 245	1.4	80, 510	51.4	74, 954	47.9	24, 000	15.3
Maine.....	11, 086	24.2	1, 061	2.2	605	1.3	23, 632	40.0	18, 020	37.4	6, 625	9.6
New Hampshire.....	4, 797	23.4	663	3.2	196	1.0	10, 166	49.5	10, 765	52.5	2, 322	11.3
Vermont.....	7, 011	26.2	579	2.0	424	1.5	16, 752	57.6	18, 301	62.9	3, 233	11.4
Massachusetts.....	8, 131	25.0	3, 136	9.8	540	1.7	16, 537	51.7	16, 893	52.8	9, 052	23.3
Rhode Island.....	1, 198	29.3	471	11.5	69	1.7	1, 685	41.3	1, 451	35.5	700	17.1
Connecticut.....	6, 796	30.0	1, 377	6.1	411	1.8	11, 738	51.8	9, 524	42.0	3, 963	17.5
Middle Atlantic.....	149, 599	35.2	20, 472	4.8	13, 240	3.1	189, 344	44.5	98, 986	23.3	60, 102	14.1
New York.....	98, 003	35.2	8, 636	4.5	7, 021	3.0	91, 973	47.6	45, 487	23.5	24, 832	12.9
New Jersey.....	11, 731	39.5	3, 076	10.4	845	2.8	9, 484	31.9	7, 047	23.7	4, 551	16.3
Pennsylvania.....	99, 865	34.5	8, 781	4.3	5, 374	2.7	87, 887	43.5	49, 402	22.9	30, 669	15.2
East North Central.....	513, 052	47.3	24, 942	2.3	55, 413	5.1	678, 862	62.6	134, 877	12.4	113, 871	10.0
Ohio.....	119, 511	40.4	6, 060	2.7	9, 934	3.9	159, 478	62.1	41, 631	16.2	37, 745	14.7
Indiana.....	95, 238	46.4	3, 591	1.7	8, 871	4.3	130, 140	66.4	28, 479	11.4	20, 534	9.8
Illinois.....	125, 586	52.9	5, 907	2.5	21, 932	0.2	173, 572	73.2	26, 679	11.2	23, 278	10.0
Michigan.....	78, 910	40.2	4, 681	2.4	5, 584	2.8	97, 874	49.8	29, 729	15.1	15, 695	8.0
Wisconsin.....	93, 798	49.0	2, 893	2.1	9, 092	4.8	111, 798	59.1	13, 465	7.1	16, 574	8.3
West North Central.....	631, 631	57.9	32, 331	2.9	92, 123	8.4	762, 442	69.5	107, 015	9.8	97, 947	8.6
Minnesota.....	101, 847	57.1	3, 677	2.1	14, 794	8.3	110, 568	62.0	11, 392	6.4	13, 539	7.9
Iowa.....	166, 081	73.1	8, 699	4.1	10, 427	9.1	183, 852	86.1	33, 851	15.9	32, 552	16.3
Missouri.....	81, 392	30.9	4, 378	1.9	7, 438	2.8	163, 543	62.2	11, 901	5.0	14, 341	6.5
North Dakota.....	44, 010	56.6	743	1.0	11, 834	15.2	36, 349	43.8	4, 684	6.0	4, 513	5.6
South Dakota.....	51, 780	69.4	4, 249	5.7	12, 160	16.3	44, 327	59.4	6, 157	12.3	6, 445	8.6
Nebraska.....	94, 004	75.6	6, 333	5.1	10, 342	8.2	95, 050	73.4	20, 691	16.6	12, 022	9.6
Kansas.....	102, 517	62.0	3, 782	2.3	16, 128	9.8	128, 753	77.9	15, 339	9.3	14, 390	8.7
South Atlantic.....	137, 239	16.2	14, 716	1.3	10, 460	0.9	164, 213	14.2	38, 775	3.3	45, 407	3.9
Delaware.....	3, 693	30.4	283	2.8	220	2.2	2, 703	27.2	752	7.7	1, 307	3.9
Maryland.....	16, 049	33.5	2, 556	5.3	1, 410	2.9	11, 755	24.5	6, 702	14.0	3, 330	7.0
District of Columbia.....	50	24.5	20	14.2	1	.5	67	32.8	51	25.0	52	25.5
Virginia.....	28, 557	15.3	2, 389	1.3	2, 200	1.2	33, 422	18.0	9, 474	5.1	7, 874	4.2
West Virginia.....	10, 405	11.9	886	1.0	541	0.9	37, 789	43.3	4, 974	5.7	12, 900	14.8
North Carolina.....	41, 839	15.5	2, 551	.9	2, 184	.8	33, 220	12.2	4, 423	1.6	7, 813	2.9
South Carolina.....	30, 709	15.9	1, 609	.8	1, 213	.6	10, 943	5.7	3, 443	1.8	5, 170	2.7
Georgia.....	47, 173	15.2	2, 913	.9	2, 083	.7	20, 801	9.6	6, 615	1.8	5, 823	1.9
Florida.....	8, 761	10.2	1, 500	2.8	602	1.1	4, 524	8.4	3, 341	6.2	2, 042	3.8
East South Central.....	81, 830	7.8	4, 869	.5	5, 044	.5	196, 692	18.7	15, 999	1.5	21, 790	2.1
Kentucky.....	28, 532	10.5	1, 455	.5	1, 913	.7	73, 145	27.0	5, 139	1.9	5, 925	2.2
Tennessee.....	22, 440	8.9	1, 362	.6	1, 790	.7	56, 880	22.5	4, 890	1.9	4, 554	1.8
Alabama.....	15, 906	6.2	1, 114	.4	737	.3	38, 407	15.0	2, 987	1.2	3, 345	3.3
Mississippi.....	14, 946	5.5	938	.3	598	.2	28, 200	10.4	2, 983	1.1	2, 806	1.1
West South Central.....	173, 609	17.4	8, 980	.9	17, 435	1.8	273, 315	27.4	49, 191	4.9	10, 352	1.9
Arkansas.....	15, 401	6.6	973	.4	1, 423	.6	62, 869	22.7	1, 780	.8	2, 643	1.1
Louisiana.....	6, 494	7.0	793	.9	2, 142	1.0	8, 599	6.3	2, 185	1.6	1, 471	1.1
Oklahoma.....	49, 017	25.5	2, 070	1.1	5, 780	3.0	71, 613	37.3	6, 046	3.6	7, 010	3.7
Texas.....	99, 097	22.9	5, 124	1.2	8, 084	1.9	140, 234	32.2	38, 580	8.8	8, 228	1.9
Mountain.....	91, 698	37.6	7, 168	2.9	15, 865	6.5	62, 503	25.6	28, 343	10.8	25, 011	10.3
Montana.....	20, 749	36.0	1, 167	2.0	6, 890	11.9	9, 781	17.0	3, 055	5.3	2, 013	3.5
Idaho.....	16, 651	39.5	779	1.9	1, 468	3.5	13, 837	32.9	5, 240	12.4	5, 082	14.2
Wyoming.....	6, 180	39.2	554	3.5	969	6.2	4, 449	28.3	1, 035	6.6	717	4.6
Colorado.....	28, 356	47.3	2, 884	4.8	4, 526	7.6	22, 022	36.7	6, 809	11.4	3, 925	6.5
New Mexico.....	5, 446	18.6	552	1.8	457	1.5	3, 359	11.3	1, 480	4.9	422	1.4
Arizona.....	4, 584	45.5	527	5.3	820	8.2	1, 038	16.4	1, 988	10.9	592	5.9
Utah.....	8, 246	32.1	544	2.1	553	2.2	6, 295	24.5	6, 179	24.1	11, 125	43.4
Nevada.....	1, 436	45.4	101	5.1	182	5.8	1, 122	35.5	580	18.3	385	12.2
Pacific.....	110, 640	47.2	10, 899	4.6	17, 507	7.5	90, 612	38.7	97, 899	41.8	45, 180	18.3
Washington.....	27, 026	41.7	3, 172	4.8	2, 478	3.7	27, 952	42.2	18, 967	28.6	9, 173	13.3
Oregon.....	20, 561	41.0	1, 728	3.4	2, 902	5.8	25, 351	50.5	12, 014	25.7	5, 463	10.9
California.....	62, 453	53.1	5, 909	5.0	12, 131	10.3	37, 309	31.7	65, 928	56.0	30, 519	25.9

Source: Bureau of the Census, Department of Commerce.

No. 595.—FARMS REPORTING TRACTORS AND RADIO OUTFITS, 1925

NOTE.—For other farm equipment and conveniences in 1920 see Table 504

Division and State	Tractors		Radio outfits		Division and State	Tractors		Radio outfits	
	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms		Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms
United States	473, 848	7. 4	284, 008	4. 5	South Atlantic—Con.				
New England	7, 819	4. 6	18, 005	11. 9	Virginia.....	6, 362	3. 3	3, 715	1. 0
Maine.....	1, 684	3. 4	3, 493	7. 0	West Virginia.....	1, 795	2. 0	1, 741	1. 0
New Hampshire.....	1, 404	2. 3	2, 360	11. 2	North Carolina.....	7, 695	2. 7	1, 357	. 5
Vermont.....	1, 500	5. 4	2, 778	10. 0	South Carolina.....	2, 658	1. 5	867	. 5
Massachusetts.....	2, 046	6. 1	6, 434	19. 2	Georgia.....	3, 769	1. 5	1, 293	. 5
Rhode Island.....	250	7. 2	1, 246	31. 9	Florida.....	2, 352	4. 0	500	. 9
Connecticut.....	1, 315	5. 7	2, 688	11. 6	East South Central	13, 299	1. 3	6, 484	. 6
Middle Atlantic	47, 471	11. 3	45, 812	10. 9	Kentucky.....	4, 793	1. 0	2, 878	1. 1
New York.....	24, 350	12. 0	24, 623	13. 0	Tennessee.....	4, 671	1. 8	1, 939	. 9
New Jersey.....	4, 113	13. 9	6, 256	21. 1	Alabama.....	2, 291	1. 0	739	. 3
Pennsylvania.....	19, 008	9. 5	14, 938	7. 4	Mississippi.....	1, 674	. 7	928	. 4
East North Central	141, 670	13. 5	69, 291	6. 8	West South Central	29, 845	2. 9	10, 139	1. 6
Ohio.....	29, 951	12. 2	18, 916	6. 5	Arkansas.....	2, 554	1. 2	1, 245	. 6
Indiana.....	22, 817	11. 7	3, 663	4. 4	Louisiana.....	2, 466	1. 9	448	. 3
Illinois.....	41, 435	18. 4	27, 436	12. 2	Oklahoma.....	9, 954	5. 0	2, 707	1. 4
Michigan.....	18, 515	9. 6	9, 928	4. 7	Texas.....	14, 871	3. 2	11, 730	2. 5
Wisconsin.....	28, 952	15. 0	8, 248	4. 3	Mountain	17, 990	7. 7	6, 923	3. 0
West North Central	151, 898	13. 7	96, 529	8. 0	Montana.....	5, 857	12. 5	1, 941	4. 1
Minnesota.....	25, 539	13. 6	11, 770	6. 3	Idaho.....	1, 706	4. 4	895	2. 0
Iowa.....	35, 692	16. 7	23, 645	11. 1	Wyoming.....	1, 219	7. 9	623	4. 0
Missouri.....	12, 096	4. 6	17, 691	6. 8	Colorado.....	5, 970	13. 3	2, 426	4. 2
North Dakota.....	15, 853	20. 9	4, 729	6. 2	New Mexico.....	905	3. 1	286	. 9
South Dakota.....	16, 373	20. 6	4, 866	6. 1	Arizona.....	1, 060	9. 8	392	2. 8
Nebraska.....	17, 727	13. 9	12, 739	10. 0	Utah.....	804	3. 1	386	1. 5
Kansas.....	28, 587	17. 2	13, 489	8. 0	Nevada.....	198	5. 1	154	4. 0
South Atlantic	28, 998	2. 6	12, 836	1. 1	Pacific	35, 569	13. 4	19, 196	7. 2
Delaware.....	619	6. 0	342	3. 3	Washington.....	4, 314	5. 9	2, 691	3. 7
Maryland.....	3, 814	7. 8	2, 779	5. 7	Oregon.....	5, 364	9. 6	3, 251	5. 8
Dist. of Columbia.....	4	2. 9	36	25. 9	California.....	25, 891	19. 0	13, 254	9. 7

Source: Bureau of the Census, Department of Commerce.

No. 596.—NUMBER OF TRACTORS ON FARMS, 1925

Division and State	Tractors	Division and State	Tractors	Division and State	Tractors
United States	505, 933	West North Central—Con.		West South Central	34, 688
New England	7, 844	Iowa.....	37, 230	Arkansas.....	3, 476
Maine.....	1, 774	Missouri.....	12, 745	Louisiana.....	3, 482
New Hampshire.....	531	North Dakota.....	17, 483	Oklahoma.....	19, 950
Vermont.....	1, 598	South Dakota.....	17, 426	Texas.....	16, 780
Massachusetts.....	2, 212	Nebraska.....	18, 765	Mountain	19, 935
Rhode Island.....	318	Kansas.....	31, 171	Montana.....	6, 092
Connecticut.....	1, 441	South Atlantic	31, 975	Idaho.....	1, 927
Middle Atlantic	49, 864	Delaware.....	694	Wyoming.....	1, 323
New York.....	26, 681	Maryland.....	4, 026	Colorado.....	6, 693
New Jersey.....	4, 419	Dist. of Columbia.....	8	New Mexico.....	1, 080
Pennsylvania.....	19, 764	Virginia.....	6, 750	Arizona.....	1, 249
East North Central	148, 665	West Virginia.....	1, 860	Utah.....	850
Ohio.....	30, 905	North Carolina.....	7, 909	Nevada.....	221
Indiana.....	23, 867	South Carolina.....	2, 906	Pacific	40, 208
Illinois.....	43, 325	Georgia.....	4, 145	Washington.....	4, 490
Michigan.....	19, 217	Florida.....	2, 777	Oregon.....	5, 783
Wisconsin.....	20, 661	East South Central	14, 097	California.....	20, 948
West North Central	181, 559	Kentucky.....	4, 994		
Minnesota.....	26, 739	Tennessee.....	4, 767		
		Alabama.....	2, 465		
		Mississippi.....	1, 871		

Source: Bureau of the Census, Department of Commerce.

26.—FARM PRODUCTS—VALUE, PRICES, AND FOREIGN TRADE

[Data in this section relate to continental United States except foreign trade statistics which represent the trade of the "customs area" (see general note, p. 462)]

No. 597.—ESTIMATED VALUE OF FARM PRODUCTS

NOTE.—Values 1897 to 1908 are based on farm prices Dec. 1 while those for 1900 to date are obtained by multiplying crop and animal production by weighted prices for the crop year. Beginning with 1919, a number of items which previously had not been included in making these estimates were added

[In millions of dollars]

Year	Crops	Animal products	Crops fed to live-stock	Total, excluding crops fed to live-stock	Year	Crops	Animal products	Crops fed to live-stock	Total, excluding crops fed to live-stock
1897	2,519	1,442	1,057	2,904	1912	6,790	3,778	3,110	7,407
1898	2,700	1,579	1,178	3,161	1913	6,717	4,000	2,930	7,886
1899 (census)	3,020	1,718	1,383	3,355	1914	7,268	4,249	3,352	8,165
1900	3,192	1,818	1,401	3,549	1915	7,957	4,303	3,622	8,698
1901	3,385	1,917	1,059	3,643	1916	10,305	4,802	4,808	10,359
1902	3,578	2,016	1,787	3,807	1917	14,277	6,539	6,867	13,949
1903	3,772	2,116	1,752	4,136	1918	14,814	8,082	6,992	16,504
1904	3,982	2,140	1,860	4,262	1919	16,561	8,275	7,159	17,677
1905	4,013	2,261	1,887	4,387	1920	11,578	7,769	4,476	14,811
1906	4,263	2,501	1,980	4,784	1921	7,750	5,589	3,080	10,298
1907	4,761	2,727	2,293	5,195	1922	6,430	5,651	3,870	11,211
1908	5,098	2,792	2,426	5,464	1923	10,401	6,271	4,200	12,382
1909	5,483	3,398	2,409	6,472	1924	10,770	5,902	4,453	12,219
1910	6,211	3,743	2,792	7,192	1925	10,170	6,047	3,783	13,084
1911	6,495	3,485	2,088	6,902	1926	9,260	7,300	3,581	12,985

No. 598.—ESTIMATED VALUE OF FARM PRODUCTS, BY CLASSES

NOTE.—Value in millions of dollars. See headnote to Table 507

Product	1923		1924		1925		1926	
	Value	Per cent of total	Value	Per cent of total	Value	Per cent of total	Value	Per cent of total
Total crops	10,401	100.0	10,770	100.0	10,170	100.0	9,260	100.0
Cereals	4,138	39.8	4,669	43.3	3,917	38.5	3,687	39.8
Cotton	1,657	15.9	1,706	16.4	1,790	17.7	1,204	14.0
Flax, fiber, and seed	37	.4	74	.7	50	.5	39	.4
Fruits	642	6.2	614	5.7	668	6.5	606	7.2
Hay and forage	1,610	15.6	1,674	15.5	1,471	14.5	1,490	16.1
Legume seeds	172	1.7	163	1.4	130	1.2	124	1.3
Other seeds, grass, etc.	46	.4	26	.3	38	.4	35	.4
Sugar crops	153	1.5	150	1.4	108	1.1	119	1.3
Tobacco	311	3.0	244	2.3	234	2.3	245	2.6
Vegetables	1,169	11.2	963	9.0	1,288	12.7	1,117	12.1
Farm-forest products	318	3.1	306	2.8	327	3.2	318	3.4
Other crops	130	1.3	131	1.2	140	1.4	132	1.4
Total animal products	6,271	100.0	5,902	100.0	6,647	100.0	7,300	100.0
Animals raised	2,477	39.5	2,243	38.0	2,672	40.2	3,065	42.0
Bee products	12	.2	12	.2	12	.2	12	.2
Dairy products	2,652	42.3	2,586	43.8	2,746	41.3	2,952	40.3
Poultry products	1,030	16.6	968	16.4	1,117	16.8	1,181	16.2
Wool	87	1.4	80	1.5	95	1.4	85	1.2
Other animal products	4	.1	4	.1	5	.1	5	.1
Deduct crop fed to livestock	4,200		4,453		3,783		3,581	
Net total, all products	12,382		12,219		13,084		12,985	

Source of Tables 507 and 598: Bureau of Agricultural Economics, Department of Agriculture.

No. 599.—INDEX NUMBERS OF FARM PRICES AND WHOLESALE PRICES OF AGRICULTURAL PRODUCTS, BY GROUPS

[1923-1925=100]

Yearly average or year and month	Farm prices, 30 commodities							Wholesale prices			
	Farm products	Grains	Fruits and vegetables	Meat animals	Dairy products	Poultry products	Cotton and cottonseed	Farm products	Grains	Live-stock and poultry	Other farm products
1910-1914.....	72	75	71	86	71	66	48	69.4	72.4	86.6	59.8
1915-1920.....	121	144	120	138	100	109	93	120.1	144.4	134.0	102.6
1921-1925.....	94	92	103	97	100	100	86	95.4	94.0	97.9	94.3
1910.....	72	69	66	92	71	67	48	69.0	69.5	85.8	61.5
1920.....	147	174	178	147	134	147	123	146.6	172.4	146.7	134.9
1921.....	83	84	106	92	106	107	60	86.0	87.1	91.7	81.5
1922.....	89	79	109	96	98	92	78	91.2	83.1	97.5	89.8
1923.....	97	86	97	90	106	96	107	95.9	86.0	91.1	101.4
1924.....	96	97	89	92	96	97	105	97.3	93.3	93.0	99.2
1925.....	106	117	114	118	98	107	88	106.8	115.6	115.9	99.5
1926.....	98	97	135	124	97	103	61	97.3	97.8	117.2	86.9
1927.....	94	96	111	118	99	93	64	96.7	98.0	115.9	86.2
1928.....	100	98	104	127	100	99	76	103.0	104.9	123.6	91.9
Per cent change, 1927 to 1928.....	+6.4	+2.1	-6.3	+7.6	+1.0	+6.5	+18.8	+6.6	+6.4	+6.6	+6.6
1927											
January-March.....	91	91	101	120	101	95	47	92.8	92.6	116.6	80.5
April-June.....	91	97	121	115	97	72	55	93.1	100.1	111.6	81.3
July-September.....	96	103	122	115	94	83	73	99.1	103.7	116.6	88.7
October-December.....	99	93	99	119	101	122	80	101.8	98.0	118.9	94.0
December.....	99	92	101	117	104	129	76	101.6	90.7	114.8	95.3
1928											
January-March.....	98	97	112	118	103	98	73	101.9	106.4	115.9	93.2
April-June.....	104	114	126	125	97	83	80	105.1	120.1	121.5	92.0
July-September.....	102	95	100	139	98	95	77	104.7	99.2	137.9	89.4
October-December.....	97	85	79	128	108	121	73	100.1	93.0	119.6	92.3
December.....	96	84	77	121	104	130	74	100.8	92.2	116.2	95.6

No. 600.—INDEX NUMBERS OF PRICES RECEIVED AND PAID BY FARMERS AND OF WHOLESALE PRICES

[1923-1925=100]

Yearly average or year and month	Prices received for farm products	Prices paid by farmers for commodities bought ¹			Wages paid to hired farm labor	Wholesale prices		
		Total	For living	For production		All commodities	Farm products	Nonagricultural commodities
1910-1914.....	72	65	61	69	60	68	69	² 67-68
1915-1920.....	121	104	102	106	98	115	120	113
1921-1925.....	94	100	100	99	95	99	95	99
1910.....	74	63	60	68	58	70	72	² 69
1913.....	72	65	61	70	62	69	70	69
1920.....	147	133	139	121	143	153	147	155
1921.....	83	101	101	98	90	97	86	100
1922.....	89	98	98	97	87	96	91	97
1923.....	97	99	99	98	99	100	96	101
1924.....	96	99	99	99	99	97	97	97
1925.....	106	103	101	103	101	103	107	101
1926.....	98	101	101	99	102	99	97	100
1927.....	94	99	99	99	102	95	97	94
1928.....	100	101	99	101	101	97	103	96
1927								
March.....	91	99	99	99	99	94	92	95
June.....	94	100	99	100	103	93	94	93
September.....	101	99	99	100	105	96	103	94
December.....	99	99	99	98	96	96	102	95
1928								
March.....	99	100	99	100	99	95	101	94
June.....	105	101	99	102	102	97	104	95
September.....	101	100	100	99	105	99	106	98
December.....	97	101	99	101	97	96	101	95

¹ Annual indexes are based on retail prices paid by farmers, reported quarterly. ² Approximate.
Source of Tables 599 and 600: Computed from data of Departments of Agriculture and Labor.

No. 601.—AVERAGE PREVAILING FARM WAGE RATE AND INDEX NUMBERS OF FARM WAGES

NOTE.—To 1923, yearly averages are from reports by crop reporters, giving average wages for the year in their locality; thereafter, wage rates per month are straight averages of quarterly rates April, July, October of the current year and January of the following year

Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910-1914=100)	Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910-1914=100)
	With board	Without board				With board	Without board		
1866.....	\$10.09	\$15.60	\$13.14	55	1910.....	\$19.58	\$28.04	\$23.08	97
1869.....	9.97	15.50	12.93	54	1911.....	19.85	28.33	23.25	97
1874 or 1875.....	11.16	17.10	14.19	56	1912.....	20.46	29.14	24.01	101
1877 or 1878 ¹	10.86	16.79	13.94	56	1913.....	21.27	30.21	24.83	104
1879 or 1880.....	11.70	17.63	14.14	59	1914.....	20.90	29.72	24.26	101
1880 or 1881.....	12.32	18.62	14.82	62	1915.....	21.08	29.97	24.46	102
1891 or 1892.....	12.88	19.11	15.48	65	1916.....	23.04	32.58	26.83	112
1894 or 1895.....	13.08	19.22	15.58	65	1917.....	28.04	40.19	33.42	140
1897 or 1898.....	13.29	19.67	15.87	66	1918.....	35.12	49.13	42.12	176
1899 or 1899.....	13.29	19.45	15.79	66	1919.....	40.14	56.77	49.11	206
1891 or 1892.....	13.48	20.02	16.06	67	1920.....	47.24	65.05	57.01	230
1893.....	13.85	19.97	15.93	67	1921.....	30.25	43.58	35.77	150
1894.....	12.70	18.67	14.60	61	1922.....	29.31	42.09	34.91	146
1895.....	12.75	18.74	14.69	62	1923.....	33.09	46.74	39.64	166
1898.....	13.29	19.16	15.68	65	1924.....	33.34	47.22	39.67	166
1899.....	13.90	19.97	16.34	68	1925.....	33.88	47.80	40.12	168
1902.....	15.51	22.12	18.12	70	1926.....	34.86	48.86	40.92	171
1906.....	18.73	26.10	21.92	92	1927.....	34.58	48.63	40.20	170
1909.....	20.48	28.09	23.00	96	1928.....	34.66	48.66	40.44	169

Basis of rate and division	1927				1928				1929	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1
PER MONTH, WITH BOARD										
United States.....	\$32.94	\$34.53	\$35.59	\$35.68	\$32.50	\$34.46	\$35.39	\$35.75	\$33.04	\$34.88
North Atlantic States.....	44.42	47.21	47.65	47.01	43.33	45.05	46.71	46.58	43.48	46.12
North Central States.....	37.12	41.30	42.97	42.47	36.35	41.38	42.29	42.73	37.49	41.81
South Atlantic States.....	25.55	25.24	25.53	25.77	25.40	24.89	25.38	25.43	24.47	24.20
South Central States.....	24.72	24.40	25.38	25.67	24.08	24.98	25.99	26.57	25.29	25.00
Western States.....	53.36	52.55	54.39	50.39	49.57	53.10	53.64	54.21	51.54	53.94
PER MONTH, WITHOUT BOARD										
United States.....	47.07	48.47	49.52	49.77	46.75	48.44	49.32	49.60	47.24	49.00
North Atlantic States.....	67.30	69.43	69.91	69.03	66.36	67.43	68.00	68.71	66.22	68.74
North Central States.....	52.18	55.19	56.65	56.07	50.81	55.00	56.18	56.96	51.74	56.44
South Atlantic States.....	35.63	36.24	36.87	36.44	36.36	35.20	36.22	35.78	35.18	35.10
South Central States.....	35.09	34.72	35.75	36.85	35.25	36.53	36.80	36.74	36.23	35.95
Western States.....	73.27	76.38	77.02	78.33	73.18	76.04	75.99	77.68	74.72	76.99
PER DAY, WITH BOARD										
United States.....	1.79	1.78	1.89	1.96	1.78	1.78	1.84	1.96	1.78	1.79
North Atlantic States.....	2.65	2.67	2.82	2.83	2.62	2.65	2.71	2.78	2.56	2.60
North Central States.....	2.15	2.17	2.32	2.47	2.12	2.18	2.26	2.48	2.17	2.21
South Atlantic States.....	1.35	1.33	1.36	1.35	1.31	1.31	1.33	1.38	1.29	1.28
South Central States.....	1.29	1.25	1.34	1.30	1.26	1.25	1.30	1.37	1.28	1.28
Western States.....	2.32	2.37	2.48	2.67	2.30	2.37	2.44	2.66	2.44	2.42
PER DAY, WITHOUT BOARD										
United States.....	2.36	2.37	2.44	2.51	2.34	2.34	2.30	2.51	2.34	2.34
North Atlantic States.....	3.41	3.47	3.61	3.62	3.42	3.40	3.48	3.58	3.42	3.44
North Central States.....	2.84	2.88	3.04	3.14	2.81	2.85	2.93	3.14	2.83	2.88
South Atlantic States.....	1.77	1.75	1.78	1.78	1.74	1.72	1.75	1.78	1.69	1.66
South Central States.....	1.69	1.66	1.67	1.75	1.66	1.64	1.68	1.74	1.68	1.65
Western States.....	3.18	3.23	3.29	3.46	3.18	3.20	3.28	3.44	3.24	3.21

¹ 1877 or 1878, 1878 or 1879 (combined).

Source: Bureau of Agricultural Economics, Department of Agriculture.

**No. 602.—FOREIGN TRADE IN AGRICULTURAL AND FOREST PRODUCTS:
YEARS ENDED JUNE 30**

[All figures, except percentages, in thousands of dollars]

Yearly average or year ended June 30—	Agricultural exports ¹		Agricultural imports ¹		Forest products			
	United States products		Foreign products (reex- ports)	Total	Per cent of all imports	Exports		Imports
	Total	Per cent of all exports ²				United States products	Foreign products (reex- ports)	
1857-1861	215,700	81.1	10,174	121,998	38.5	9,995	992	5,962
1862-1866	148,866	75.7	9,288	123,639	43.5	7,860	798	7,094
1867-1871	250,713	76.9	8,533	182,766	43.0	11,775	691	11,831
1872-1876	396,666	78.5	8,853	268,481	47.4	17,907	960	14,408
1877-1881	591,351	80.4	8,632	273,780	51.8	17,670	1,410	14,610
1882-1886	557,473	76.3	9,340	324,607	48.8	24,705	1,417	21,354
1887-1891	573,287	74.7	6,982	381,967	50.3	26,061	1,703	24,630
1892-1896	638,748	73.0	8,446	415,975	53.9	29,270	1,297	27,448
1897-1901	827,566	66.9	10,962	403,705	53.8	45,961	3,283	25,172
1902-1906	879,541	59.5	11,922	520,806	50.0	69,585	3,850	40,990
1907-1911	976,399	53.9	12,126	705,800	50.2	88,764	6,488	65,822
1912-1916	1,256,452	45.1	24,275	1,028,629	55.7	92,120	5,563	81,467
1917-1921	2,859,568	42.7	78,088	2,164,337	61.5	120,260	8,415	108,932
1922-1926	1,950,850	46.9	48,810	1,981,467	54.3	141,678	11,711	214,824
1908	1,017,396	55.5	10,299	577,720	48.4	90,362	4,570	59,793
1909	908,238	55.1	9,585	701,780	53.5	72,442	4,983	60,753
1910	871,158	50.9	14,470	791,372	50.8	85,030	9,802	75,009
1911	1,030,794	51.2	14,665	770,781	50.5	109,039	7,587	71,736
1912	1,050,627	48.4	12,108	880,899	53.0	108,122	6,413	69,581
1913	1,128,652	46.3	15,029	912,925	50.4	124,830	7,432	82,878
1914	1,118,974	47.8	17,729	998,346	52.7	104,979	4,518	81,692
1915	1,476,938	54.3	34,420	997,184	59.0	62,554	5,080	79,451
1916	1,518,071	35.5	42,088	1,348,291	61.3	82,166	4,364	94,265
1917	1,968,253	31.6	37,640	1,598,091	60.1	68,019	11,172	129,580
1918	2,280,466	39.1	39,553	1,826,417	62.3	87,181	6,006	128,490
1919	3,579,918	50.6	108,530	1,929,984	62.3	113,275	6,006	152,588
1920	3,861,511	48.6	122,598	3,408,977	65.1	190,049	11,026	229,092
1921	2,607,641	40.8	87,019	2,059,816	56.4	141,877	7,805	225,102
1922	1,915,866	51.3	40,783	1,371,510	52.6	94,115	5,120	156,844
1923	1,799,168	46.3	43,369	2,074,371	54.0	129,982	6,989	234,500
1924	1,887,098	44.2	67,640	1,874,622	52.7	162,374	6,042	216,711
1925	2,280,381	47.7	53,826	2,056,619	53.8	150,187	11,633	227,423
1926	1,891,730	40.7	48,440	2,528,213	56.6	162,731	28,172	238,545
1927	1,907,864	30.2	50,634	2,280,340	53.6	171,970	23,053	238,247
1928 ³	1,815,504	38.0	60,232	2,192,404	52.9	176,352	24,687	215,706

¹ Does not include forest products but includes agricultural imports of crude rubber and similar gums.

² Based on total exports of United States merchandise.

³ Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture, and Bureau of Foreign and Domestic Commerce and predecessor organizations.

No. 603.—VALUE OF AGRICULTURAL EXPORTS: By MAJOR GROUPS

NOTE.—In millions and tenths of millions of dollars. Excludes reexports of foreign products

Yearly average or year (calendar)	Total agricul- tural exports	Animals and prod- ucts, edible	Dairy prod- ucts and eggs	Grains and prepa- rations	Vege- tables, fruits, and nuts	Miscel- laneous animal and vegetable products	Cotton	To- bacco
1910-1914 (fiscal)	1,035.7	151.8	6.3	147.3	35.0	98.7	551.9	44.8
1913	1,143.3	158.8	6.9	197.4	40.5	111.2	575.5	52.9
1920	3,452.3	472.8	96.7	1,085.9	117.9	296.9	1,136.4	265.5
1921	2,114.9	309.1	56.3	758.4	90.4	161.4	534.2	245.1
1922	1,884.4	262.2	34.9	516.0	93.0	168.1	673.3	146.5
1923	1,820.5	300.6	36.4	311.4	87.7	115.0	807.1	153.4
1924	2,110.1	275.5	35.7	433.8	117.1	133.3	960.6	164.1
1925	2,136.2	271.3	31.1	351.8	121.1	147.3	1,069.8	153.8
1926	1,816.7	238.2	26.8	355.7	132.6	112.1	814.4	136.9
1927	1,884.6	182.6	25.3	443.3	143.6	123.4	826.3	139.7
1928	1,863.2	182.9	24.7	315.7	152.0	113.4	920.0	154.5

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 604.—VALUE OF EXPORTS OF PRINCIPAL AGRICULTURAL PRODUCTS OR GROUPS OF PRODUCTS

NOTE.—In millions and tenths of millions of dollars. Data except as stated are for calendar years and exclude reexports of foreign products

Products	1910-1914 (fiscal)	1919	1922	1923	1924	1925	1926	1927	1928
Grand total.....	1,036.7	4,096.0	1,884.4	1,820.5	2,116.1	2,136.2	1,916.7	1,894.0	1,863.2
Live animals.....	13.0	12.0	11.4	6.3	6.1	8.5	5.5	6.7	6.5
Meats.....	02.7	090.9	134.5	149.4	113.4	117.9	98.7	64.2	60.9
Eggs and dairy products.....	6.3	168.5	34.9	36.4	35.7	31.1	26.8	25.3	24.7
Animal fats and oils.....	83.8	326.3	118.2	158.5	159.0	150.3	136.2	110.8	119.4
Hides and skins.....	3.2	10.9	4.0	4.9	12.8	12.0	10.8	11.5	11.1
Bread grains ¹	107.6	727.1	339.8	236.1	371.5	275.2	300.6	367.0	214.5
Coarse grains.....	36.8	165.2	159.8	61.1	54.5	72.7	50.0	63.8	87.6
Rice.....	.6	34.8	15.5	12.9	7.0	3.3	4.0	11.8	13.2
Fodders and feeds.....	28.1	38.1	22.4	21.7	29.4	33.8	28.2	32.0	30.9
Vegetables.....	5.8	45.8	15.3	16.4	16.8	16.2	17.8	18.6	20.6
Fruits.....	29.4	122.7	74.4	67.5	96.5	100.7	110.3	120.1	127.8
Vegetable oils, expressed, oil-seeds, and nuts.....	21.2	102.1	15.8	11.9	10.9	14.1	11.0	13.4	12.7
Coffee and substitutes.....	7.3	8.8	5.5	5.7	7.5	8.0	9.2	6.3	3.5
Sugar and related products.....	9.5	143.4	77.3	36.1	32.8	36.1	14.6	17.3	16.0
Seeds, except oilseeds.....	2.0	8.3	4.4	3.3	3.3	3.5	4.0	3.6	2.7
Tobacco.....	44.8	260.0	146.5	153.4	164.1	153.8	136.9	139.7	154.5
Cotton.....	551.9	1,137.4	673.3	807.1	950.6	1,059.8	814.4	826.3	920.0
Wool and hair.....	1.3	3.8	1.2	1.5	1.9	2.4	2.0	2.7	2.5
All other.....	19.9	89.0	30.2	30.3	36.3	36.8	34.9	35.7	34.1

¹ Includes wheat and rye; also flour and flour products.

No. 605.—AGRICULTURAL EXPORT INDEXES: QUANTITY, PRICE, AND VALUE

Yearly average or year	Agricultural exports, other than cotton and tobacco			Cotton			Tobacco		
	Quantity	Price	Value	Quantity	Price	Value	Quantity	Price	Value
1910-1914.....	100	100	100	100	100	100	100	100	100
1919.....	254	242	615	76	270	208	197	294	581
1920.....	195	242	472	72	287	206	120	455	548
1921.....	218	144	313	75	120	97	133	345	458
1922.....	195	125	242	71	173	122	111	295	327
1923.....	155	127	196	62	237	146	123	279	343
1924.....	169	134	227	78	222	172	147	249	366
1925.....	134	167	210	98	196	192	135	255	343
1926.....	137	144	197	105	141	148	136	226	306
1927.....	151	138	209	108	139	150	143	219	312
1928.....	136	132	180	102	164	167	184	188	345

No. 606.—AGRICULTURAL EXPORT INDEXES: BY GROUPS OF PRODUCTS

Group	Relative numbers, 1928, as compared with 1927 as 100			Relative numbers, 1928, as compared with 1910-1914 as 100		
	Quantity	Price	Value	Quantity	Price	Value
Total agricultural exports other than cotton and tobacco.....	90	95	86	136	132	180
Animal products, edible.....	105	96	100	95	126	120
Dairy products and eggs.....	95	164	98	249	158	394
Grains and preparations.....	77	92	71	160	134	214
Vegetables, fruits, and nuts.....	108	98	106	317	137	434
Cotton.....	94	118	111	103	161	167
Tobacco.....	129	80	111			

Source of Tables 604, 605, and 606: Bureau of Foreign and Domestic Commerce, Department of Commerce.

27.—FARM ANIMALS AND ANIMAL PRODUCTS

[Data in this section relate to continental United States]

No. 607.—DOMESTIC ANIMALS: NUMBER AND VALUE OF ANIMALS ON FARMS

NOTE.—For 1880, 1890, 1900, 1910, 1920, and 1925 census enumerations; for other years estimates of the Department of Agriculture. Data are for Jan. 1 except as indicated; the difference in date affects the comparability of the figures for all classes and especially for swine. Animals of all ages are included. Value excludes asses and burros and goats.

Jan. 1—	Number (thousands)							Value of all animals (thousands of dollars)
	Horses	Mules	All cattle	Dairy cows ¹	Other cattle	Sheep	Swine	
1880 (June 1, census).....	10,357	1,813	39,076	12,443	27,232	42,192	49,773	-----
1890 (June 1, census).....	15,266	2,252	57,649	16,512	41,137	40,876	57,427	-----
1900 (June 1, census).....	18,267	3,265	67,719	17,136	50,584	61,504	62,868	2,970,121
1905.....	17,058	2,880	61,241	17,572	43,669	45,170	47,321	3,006,581
1907.....	19,747	3,817	72,534	20,968	51,566	53,240	54,794	4,423,698
1908.....	19,992	3,869	71,267	21,194	50,073	54,651	56,084	4,331,230
1909.....	20,640	4,053	71,099	21,720	49,379	56,084	54,147	4,525,269
1910 (Apr. 15, census).....	19,833	4,210	61,804	17,125	41,178	52,448	58,186	4,740,684
1911.....	20,277	4,323	60,502	20,823	39,679	53,633	65,620	5,276,438
1912.....	20,509	4,362	57,959	20,699	37,260	52,362	65,410	5,008,327
1913.....	20,567	4,386	56,627	20,497	36,030	51,482	61,178	5,501,783
1914.....	20,962	4,449	56,592	20,737	35,855	49,719	58,935	5,800,471
1915.....	21,195	4,479	58,329	21,262	37,067	49,956	64,618	5,969,263
1916.....	21,159	4,593	61,920	22,108	39,812	48,626	67,766	6,020,670
1917.....	21,210	4,723	64,683	22,894	41,689	47,616	67,503	6,735,612
1918.....	21,555	4,873	67,422	23,310	44,112	48,063	70,978	8,284,199
1919.....	21,482	4,954	68,500	23,475	45,085	48,866	74,684	8,327,894
1920 (census).....	19,767	5,432	66,640	19,675	46,964	35,034	59,346	7,593,877
1921.....	19,134	5,586	67,184	21,408	45,776	38,090	58,711	6,053,128
1922.....	18,564	5,638	67,264	21,788	45,476	36,186	59,355	4,768,238
1923.....	17,943	5,702	66,156	22,063	44,093	36,212	68,447	5,048,049
1924.....	17,222	5,730	64,507	22,255	42,252	36,870	65,937	4,748,686
1925 (census).....	16,401	5,681	60,760	17,645	43,115	35,590	50,854	4,439,966
1926.....	15,830	5,740	59,122	22,188	36,934	39,730	52,143	5,003,301
1927.....	15,133	5,652	56,832	21,801	35,031	41,881	54,788	5,033,321
1928.....	14,540	5,532	55,681	21,824	33,857	44,554	60,420	5,512,508
1929.....	14,020	5,447	55,751	21,820	33,931	47,171	54,956	5,952,118

¹ Cows 2 years and over kept for milk Jan. 1, 1910, estimated. Census reported dairy cows and heifers born before Jan. 1, 1900, as 20,625,432.

No. 608.—DOMESTIC ANIMALS IN THE UNITED STATES: NUMBER ON FARMS AND NOT ON FARMS, AND VALUE OF THOSE ON FARMS

NOTE.—By reason of the change in date of enumeration from Apr. 15 in 1910 to Jan. 1 in 1920 and 1925, the earlier figures are not very closely comparable

Kind	Total number (thousands)		On farms					Not on farms, number (thousands)		
	1910 (Apr. 15)	1920 (Jan. 1)	Number (thousands)			Value (thousands of dollars)			1910 (Apr. 15)	1920 (Jan. 1)
			1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)		
All domestic animals.....	-----	-----	-----	-----	-----	-----	4,760,060	7,622,641	4,450,218	-----
All cattle.....	63,683	68,761	61,804	66,640	60,700	1,499,524	3,651,521	2,019,489	1,870	2,112
Dairy cows ¹	21,796	20,896	20,625	19,675	17,645	706,236	1,567,513	912,532	1,170	1,221
Horses, mules, asses, and burros.....	27,018	27,371	24,149	25,272	22,082	2,622,180	2,569,570	1,451,041	3,470	2,099
Horses.....	23,016	21,473	19,833	19,767	16,401	2,083,588	1,782,077	1,001,521	3,183	1,706
Mules.....	4,480	5,811	4,210	5,432	5,681	525,392	779,294	449,520	270	378
Asses and burros.....	122	87	106	72	(²)	13,200	8,198	(³)	17	15
Sheep.....	52,830	35,484	52,448	35,034	35,590	232,842	395,401	354,485	391	460
Goats.....	3,030	3,564	2,915	3,459	3,370	6,170	17,565	10,250	115	105
Swine.....	59,474	61,985	58,186	69,346	60,854	399,338	988,582	614,951	1,288	2,638

¹ Exclusive of asses and burros.

² Figures for 1920 and 1925 represent dairy cows and heifers 2 years old and over; those for 1910 include dairy cows and heifers born before Jan. 1, 1900.

³ Not reported.

Source: Bureau of the Census, Department of Commerce.

No. 609.—DOMESTIC ANIMALS: NUMBER ON

NOTE.—By reason of the change in date of census enumeration from Apr. 15,

[All figures in thousands]

Division and State	Horses				Mules				All cattle			
	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1929 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1929 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1929 (Jan. 1)
United States	19,839	19,767	16,401	14,029	4,210	5,432	5,681	5,447	61,804	66,640	60,700	55,751
New England	355	805	259	215	2	3	3	(?)	1,337	1,320	1,119	1,120
Maine.....	108	94	82	72	(?)	(?)	1	(?)	257	301	236	228
New Hampshire.....	46	38	31	24	(?)	(?)	(?)	(?)	108	164	121	115
Vermont.....	81	77	63	53	(?)	1	1	(?)	430	435	303	422
Massachusetts.....	64	51	44	35	(?)	(?)	1	(?)	252	216	188	183
Rhode Island.....	10	7	6	4	(?)	(?)	1	(?)	34	31	27	28
Connecticut.....	46	38	34	27	(?)	1	1	(?)	195	174	153	144
Middle Atlantic	1,280	1,115	907	781	52	68	65	62	4,238	3,860	3,809	3,430
New York.....	501	530	440	382	4	7	7	6	2,423	2,144	1,837	1,895
New Jersey.....	89	73	57	50	4	6	5	5	223	170	153	163
Pennsylvania.....	550	500	410	349	44	55	53	51	1,587	1,540	1,319	1,372
East North Central	4,401	4,114	3,303	2,829	259	310	315	291	9,819	10,898	9,556	9,182
Ohio.....	910	811	630	520	23	32	33	32	1,838	1,927	1,653	1,640
Indiana.....	814	717	556	517	82	100	101	101	1,303	1,540	1,282	1,307
Illinois.....	1,453	1,207	1,030	839	148	168	168	144	2,441	2,788	2,305	1,967
Michigan.....	610	606	482	409	4	6	7	7	1,498	1,586	1,400	1,406
Wisconsin.....	615	633	604	544	3	4	4	7	2,080	3,051	3,010	2,862
West North Central	6,794	6,942	5,968	5,119	718	847	892	756	17,048	20,103	19,204	16,986
Minnesota.....	753	933	835	787	6	10	13	14	2,347	3,021	2,853	2,737
Iowa.....	1,492	1,387	1,180	1,046	56	82	97	93	4,448	4,548	4,264	3,845
Missouri.....	1,073	906	708	574	343	380	372	313	2,501	2,782	2,372	2,109
North Dakota.....	651	856	731	680	8	8	9	10	744	1,355	1,341	1,078
South Dakota.....	669	817	720	593	12	15	21	22	1,635	2,348	2,032	1,570
Nebraska.....	1,008	961	862	764	83	100	120	106	2,932	3,164	3,283	2,760
Kansas.....	1,147	1,083	931	766	208	243	260	198	3,079	3,068	2,831	
South Atlantic	1,111	1,039	806	640	749	1,070	1,023	968	4,839	4,703	4,136	3,672
Delaware.....	33	28	22	19	6	9	9	9	55	47	40	50
Maryland.....	155	141	117	97	23	33	31	28	288	283	273	283
Dist. of Columbia.....	1	(?)	(?)	(?)	(?)	(?)	(?)	(?)	1	1	1	(?)
Virginia.....	330	312	260	198	60	97	102	105	850	910	807	765
West Virginia.....	180	160	143	124	12	16	16	14	620	587	568	496
North Carolina.....	166	171	131	98	175	257	280	276	701	645	530	500
South Carolina.....	80	78	49	40	155	220	199	177	390	434	341	272
Georgia.....	120	101	54	39	295	406	344	347	1,080	1,167	900	820
Florida.....	46	39	20	25	23	42	43	42	845	639	556	480
East South Central	1,145	1,046	788	645	1,004	1,250	1,277	1,276	3,943	4,547	3,636	3,469
Kentucky.....	443	382	307	278	225	293	294	292	1,001	1,090	905	955
Tennessee.....	350	318	242	202	276	353	352	321	997	1,150	980	977
Alabama.....	136	130	87	65	247	296	303	327	932	1,044	822	702
Mississippi.....	216	215	131	100	256	308	328	330	1,013	1,250	923	835
West South Central	2,349	2,100	1,700	1,534	1,286	1,685	1,893	1,860	10,731	10,108	9,009	8,687
Arkansas.....	255	252	182	136	222	323	341	330	1,028	1,073	810	772
Louisiana.....	181	179	131	102	132	180	173	167	805	804	697	585
Oklahoma.....	743	738	608	516	257	337	368	333	1,954	2,074	1,657	1,723
Texas.....	1,170	991	838	780	670	840	1,010	1,021	6,935	6,167	5,840	5,007
Mountain	1,427	2,076	1,850	1,619	49	89	112	105	6,061	7,600	7,400	6,088
Montana.....	316	669	504	515	4	9	10	11	943	1,269	1,322	1,103
Idaho.....	198	293	233	210	4	8	8	7	454	715	608	570
Wyoming.....	156	198	200	186	2	3	5	5	707	875	783	764
Colorado.....	294	421	365	308	15	31	38	32	1,128	1,767	1,430	1,317
New Mexico.....	180	183	187	163	15	20	31	30	1,082	1,300	1,207	1,017
Arizona.....	100	136	112	90	4	12	12	12	825	822	1,069	640
Utah.....	116	125	110	100	2	3	4	4	412	506	604	460
Nevada.....	68	50	50	41	3	2	4	4	460	356	419	315
Pacific	1,021	870	780	658	92	101	101	99	3,204	3,452	3,285	3,169
Washington.....	281	296	242	205	12	23	20	20	402	673	582	541
Oregon.....	272	272	224	181	10	14	10	10	725	851	784	673
California.....	469	402	314	287	70	63	56	51	2,077	2,008	1,918	1,956

11 year old and over. Figures for 1910 are number reported as living Apr. 15, 1910, which had been born before Jan. 1, 1909; that is, 15½ months old and over on Apr. 15, or 1 year old and over on Jan. 1, 1910.

FARM ANIMALS

FARMS, BY DIVISIONS AND STATES, 1910, TO 1928

1910, to Jan. 1 in 1920 and 1925, the 1910 figures are not very closely comparable

[All figures in thousands]

Dairy cows ¹				Sheep				Swine				Division and State
1910	1920 (Jan. 1)	1925 (Jan. 1)	1928	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1928 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1928 (Jan. 1)	
20, 625	23, 724	20, 714	20, 197	52, 448	35, 034	35, 580	47, 171	58, 186	59, 346	50, 864	64, 966	U. S.
842	1, 016	920	902	431	243	154	180	397	384	193	259	N. Eng.
157	217	181	173	200	110	85	93	87	91	54	60	Me.
101	119	97	90	44	28	16	21	45	42	16	30	N. H.
265	340	325	341	119	63	35	45	95	73	44	50	Vt.
172	174	164	162	33	19	10	11	103	104	58	92	Mass.
23	25	24	24	7	3	2	2	14	13	4	5	R. I.
123	135	120	122	22	11	7	8	52	61	17	22	Conn.
2, 598	2, 928	2, 670	2, 695	1, 844	1, 098	893	899	1, 791	1, 951	1, 050	1, 059	Mid. Atl.
1, 510	1, 730	1, 552	1, 552	930	570	473	452	600	601	250	290	N. Y.
154	148	135	139	31	10	6	6	147	139	50	54	N. J.
934	1, 050	983	1, 004	883	509	415	441	978	1, 191	734	715	Pa.
4, 830	6, 082	5, 877	6, 368	9, 542	5, 073	4, 479	5, 374	14, 401	14, 183	11, 774	11, 873	E. N. C.
905	1, 059	968	1, 096	3, 900	2, 103	1, 941	2, 154	3, 106	3, 084	2, 368	2, 146	Ohio.
634	727	691	828	1, 337	644	505	726	3, 614	3, 757	2, 939	2, 904	Ind.
1, 050	1, 148	969	1, 120	1, 060	638	566	664	4, 680	4, 639	4, 249	4, 071	Ill.
767	967	944	1, 000	2, 306	1, 209	1, 006	1, 380	1, 246	1, 106	855	600	Mich.
1, 474	2, 180	2, 304	2, 299	930	480	310	460	1, 800	1, 696	1, 363	1, 462	Wis.
5, 928	5, 485	4, 403	7, 139	5, 065	4, 950	4, 007	5, 929	21, 282	21, 715	24, 600	28, 160	W. N. C.
1, 083	1, 532	1, 565	1, 820	638	509	379	686	1, 520	2, 715	3, 302	3, 302	Minn.
1, 407	1, 004	822	1, 074	1, 140	1, 002	813	1, 090	7, 540	7, 864	8, 567	10, 246	Iowa.
896	793	617	979	1, 811	1, 272	894	987	4, 438	3, 889	3, 502	4, 070	Mo.
299	461	356	559	293	299	311	582	332	458	784	537	N. Dak.
370	400	292	646	611	844	644	890	1, 010	1, 054	2, 600	2, 536	S. Dak.
614	517	268	739	294	573	647	1, 050	3, 436	3, 426	4, 236	4, 888	Nebr.
736	681	454	832	272	361	315	538	3, 000	1, 733	2, 197	2, 531	Kans.
1, 811	2, 012	1, 549	1, 978	2, 514	1, 209	1, 077	1, 383	5, 964	6, 536	4, 176	4, 074	S. Atl.
36	38	39	42	8	3	2	2	40	39	24	24	Del.
167	189	196	214	237	103	92	108	302	306	188	199	Md.
1	1	(¹)	(¹)	-----	(²)	(²)	(²)	1	1	(³)	(³)	D. C.
356	418	329	438	805	342	351	409	798	941	582	578	Va.
240	210	154	264	910	510	441	593	328	305	177	197	W. Va.
309	355	292	346	214	91	67	89	1, 228	1, 271	872	874	N. C.
181	229	178	173	38	24	14	15	005	845	535	458	S. C.
406	484	308	420	188	72	51	48	1, 784	2, 071	1, 300	1, 228	Ga.
116	90	52	91	114	65	60	59	810	755	498	510	Fla.
1, 028	2, 031	1, 593	2, 072	2, 496	1, 316	1, 155	1, 465	5, 439	6, 207	3, 463	3, 301	E. S. C.
410	515	433	502	1, 363	708	696	996	1, 492	1, 504	919	826	Ky.
397	495	416	551	795	364	200	352	1, 388	1, 832	1, 009	872	Tenn.
392	491	363	444	143	82	56	79	1, 267	1, 497	827	874	Ala.
480	530	381	485	195	164	114	38	1, 292	1, 373	698	729	Miss.
2, 250	2, 296	1, 730	2, 589	2, 104	2, 909	3, 359	5, 319	7, 022	5, 759	3, 451	3, 596	W. S. C.
426	517	325	474	144	100	51	50	1, 519	1, 378	847	885	Ark.
279	218	116	250	178	130	109	110	1, 328	851	518	437	La.
531	660	429	726	62	105	62	107	1, 839	1, 804	920	994	Okla.
1, 014	1, 002	869	1, 139	1, 809	2, 573	3, 137	5, 052	2, 330	2, 226	1, 160	1, 210	Tex.
514	754	723	1, 084	22, 770	13, 207	15, 130	19, 801	641	1, 193	1, 311	1, 564	Mountain.
78	153	122	214	5, 381	2, 083	2, 188	3, 761	99	107	278	328	Mont.
86	143	171	216	3, 010	2, 356	1, 746	2, 216	178	240	276	318	Idaho.
33	42	39	87	5, 397	1, 860	2, 507	3, 448	34	72	100	149	Wyo.
146	234	192	295	1, 426	1, 813	2, 244	2, 780	179	450	493	550	Colo.
51	46	47	79	3, 347	1, 640	1, 743	2, 362	45	88	55	73	N. Mex.
20	39	41	45	1, 227	882	1, 164	1, 109	17	50	19	19	Ariz.
76	81	88	122	1, 827	1, 692	2, 355	2, 806	64	90	64	98	Utah.
17	10	23	26	1, 155	881	1, 184	1, 250	23	27	25	29	Nebr.
828	1, 120	1, 249	1, 380	5, 592	5, 028	5, 336	6, 921	1, 190	1, 441	845	1, 140	Pacific.
186	200	319	340	470	624	516	674	206	265	198	214	Wash.
173	216	245	262	2, 699	2, 002	1, 775	2, 501	218	267	216	256	Oreg.
467	614	685	778	2, 417	2, 400	3, 045	3, 846	707	909	431	670	Calif.

¹ Less than 500.

² No estimate.

Source: 1910, 1920, and 1925, Bureau of the Census, Department of Commerce; 1929, Department of Agriculture.

No. 610.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: BY AGE AND SEX, JANUARY 1, 1920 AND 1925

Class	Number (thousands)		Class	Number (thousands)	
	1920	1925		1920	1925
Horses, total.....	19,787	19,401	Cattle—Continued.		
Colts under 2 years of age.....	2,532	1,088	Dairy cattle—Continued.		
Horses 2 years old and over.....	17,221	15,313	Cows and heifers 2 years old and over.....	19,675	17,045
Mules, total.....	6,432	6,681	Bulls 1 year old and over.....	772	661
Colts under 2 years of age.....	781	375	Sheep, total.....	35,034	35,590
Mules 2 years old and over.....	4,652	5,306	Lambs under 1 year of age.....	8,926	9,198
Cattle, total.....	66,840	60,760	Ewes 1 year old and over.....	23,519	24,591
Beef cattle, total.....	35,273	35,057	Rams and wethers 1 year old and over.....	2,305	1,801
Calves under 1 year of age.....	8,508	8,624	Goats, total.....	3,459	3,370
Heifers 1 year old and under 2 years.....	3,081	3,873	Swine, total.....	59,346	50,854
Cows and heifers 2 years old and over.....	12,625	14,000	Pigs under 6 months old.....	20,172	21,907
Stoers 1 year old and over.....	9,280	6,003	Sows and gilts, for breeding, 6 months old and over.....	11,410	8,907
Bulls 1 year old and over.....	725	748	All other hogs 6 months old and over, including boars.....	21,753	20,040
Dairy cattle, total.....	31,361	25,708			
Calves under 1 year of age.....	6,865	4,328			
Heifers 1 year old and under 2 years.....	4,049	3,069			

¹ Figures include 14,545 horses, not classified by age or sex; 68,671 beef cattle; 283,686 sheep; and 4,421 swine.

No. 611.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: NUMBER, AVERAGES, AND RATIOS, APRIL 15, 1910, AND JANUARY 1, 1920 AND 1925

NOTE.—See headnote Table 608

Item	Horses	Mules	All cattle	Dairy cows ¹	Sheep	Goats	Swine
Number:							
1910.....	19,833,113	4,209,769	61,803,866	17,125,471	62,447,861	2,915,125	58,185,076
1920.....	19,767,161	5,432,391	66,630,556	19,675,297	35,033,516	3,458,925	59,346,409
1925.....	16,400,623	5,680,897	60,760,366	17,644,867	35,590,159	3,370,218	50,853,526
Increase, 1920-1925: ²							
Number.....	-3,366,538	243,506	-5,870,190	-2,030,430	556,043	-88,707	-8,492,883
Per cent.....	-17.0	4.6	-8.8	-10.3	1.6	-2.0	-14.3
Number of farms reporting:							
1910.....	4,692,814	1,869,005	5,284,016	5,140,869	610,894	82,755	4,351,751
1920.....	4,704,235	2,259,746	5,358,243	4,461,295	538,593	107,267	4,850,807
1925.....	³ 5,365,513	(⁴)	(⁴)	3,728,587	430,738	91,402	3,618,024
Per cent of all farms:							
1910.....	73.8	29.4	83.1	80.8	9.6	1.3	68.4
1920.....	73.0	35.0	83.1	69.2	8.4	1.7	75.2
1925.....	⁵ 84.2	(⁴)	(⁴)	58.5	6.8	1.4	56.8
Average number per farm reporting:							
1910.....	4.2	2.3	11.7	⁶ 3.3	85.9	35.2	13.4
1920.....	4.2	2.4	12.4	4.4	65.0	32.2	12.2
1925.....	⁸ 4.1	(⁴)	(⁴)	4.7	82.0	30.9	14.1
Average number per 1,000 acres of all land in farms:							
1910.....	23	5	70	19	60	3	60
1920.....	21	6	70	21	37	4	62
1925.....	18	6	66	19	39	4	55
Average number per 1,000 acres of improved land:							
1910.....	41	9	129	36	110	6	122
1920.....	39	11	132	30	70	7	118
Average value per head (dollars):							
1910.....	105.06	124.80	24.26	37.06	4.44	2.12	6.86
1920.....	90.15	143.45	54.80	76.62	11.29	5.08	16.66
1925.....	61.07	79.13	33.24	51.72	9.96	3.04	12.09

¹ Dairy cows 2 years old and over Jan. 1; figures for 1910 are estimated. The number of dairy cows actually reported in 1910 (1 year old and over Jan. 1) was 20,625,432.

² A minus sign (-) denotes decrease.

³ Includes mules.

⁴ Not available.

⁵ Based on the number of farms reporting dairy cows and heifers born before Jan. 1, 1909.

Source of Tables 610 and 611: Bureau of the Census, Department of Commerce.

No. 612.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT ALL REPORTING MARKETS AND PRINCIPAL INDIVIDUAL MARKETS

[All figures in thousands]

Item and yearly average or year	Chi- cago	Don- ver	East St. Louis	Fort Worth	Kan- sas City	Omaha	St. Jo- seph	St. Paul	Sioux City	Total, 9 mar- kets	All other markets report- ing ¹	Total, all mar- kets re- port- ing ^{1,2}
CATTLE AND CALVES												
Receipts:												
1901-1905.....	3,486	270	1,009	508	2,226	974	543	335	365	9,785	-----	-----
1906-1910.....	3,566	376	1,170	1,039	2,570	1,125	613	514	409	11,351	-----	-----
1911-1915.....	2,957	410	1,081	1,046	2,151	1,062	451	607	449	10,274	-----	-----
1916-1920.....	3,024	685	1,368	1,421	2,828	1,745	683	1,286	739	14,079	7,893	22,572
1921-1925.....	3,852	595	1,341	1,218	2,932	1,709	679	1,336	772	14,430	8,360	22,796
1926.....	4,012	529	1,520	1,185	2,617	1,815	675	1,010	969	15,242	8,630	23,872
1927.....	3,533	640	1,448	1,286	2,470	1,561	641	1,582	809	14,020	8,744	22,764
1928.....	3,267	607	1,115	1,211	2,210	1,518	598	1,400	813	13,089	8,387	21,478
Shipments:												
1901-1905.....	1,214	(¹)	305	(¹)	(¹)	298	128	230	244	2,426	-----	-----
1906-1910.....	1,377	(¹)	365	(¹)	(¹)	359	163	345	219	2,828	-----	-----
1911-1915.....	891	(¹)	309	(¹)	(¹)	445	154	357	241	2,397	-----	-----
1916-1920.....	1,017	538	393	580	1,266	740	223	749	416	5,926	3,538	9,466
1921-1925.....	1,103	453	814	429	1,421	729	232	475	411	6,067	3,623	9,690
1926.....	1,061	370	994	423	1,139	650	186	612	448	5,883	3,521	9,404
1927.....	938	482	965	445	1,112	848	165	430	360	5,454	3,719	9,173
1928.....	703	505	920	470	1,155	614	189	423	409	5,448	3,563	9,011
SHEEP												
Receipts:												
1901-1905.....	4,477	453	581	91	1,122	1,729	692	680	51	9,876	-----	-----
1906-1910.....	4,609	712	607	130	1,065	2,202	733	605	83	11,442	-----	-----
1911-1915.....	5,317	694	874	314	2,044	3,107	793	725	286	14,164	-----	-----
1916-1920.....	4,353	1,857	613	404	1,711	3,251	832	605	404	14,050	8,747	22,837
1921-1925.....	4,173	1,918	575	351	1,619	2,704	974	621	279	13,114	9,457	22,571
1926.....	4,405	1,820	636	445	1,762	2,780	1,303	773	449	13,370	9,489	23,868
1927.....	3,829	1,093	574	445	1,616	2,604	1,343	705	527	13,556	10,383	23,939
1928.....	3,368	2,295	510	458	1,797	3,037	1,580	801	568	14,974	10,623	25,597
Shipments:												
1901-1905.....	1,063	(¹)	83	(¹)	(¹)	831	188	522	25	2,712	-----	-----
1906-1910.....	1,228	(¹)	102	(¹)	(¹)	1,190	156	469	40	3,185	-----	-----
1911-1915.....	1,088	(¹)	78	(¹)	(¹)	1,412	183	534	70	3,371	-----	-----
1916-1920.....	1,076	1,684	98	232	658	1,703	233	472	191	6,347	5,564	11,911
1921-1925.....	1,300	1,746	215	215	516	1,129	228	205	90	5,050	5,999	11,049
1926.....	1,443	1,030	204	240	504	1,137	293	335	113	6,025	6,425	12,450
1927.....	1,038	1,720	206	221	492	1,114	303	261	152	5,507	6,975	12,482
1928.....	1,128	2,074	191	237	507	1,205	420	415	168	6,434	6,800	13,234
SWINE												
Receipts:												
1901-1905.....	7,695	139	1,761	244	2,540	2,297	1,812	756	1,078	18,322	-----	-----
1906-1910.....	9,063	229	2,215	630	2,899	2,220	1,845	884	1,190	20,576	-----	-----
1911-1915.....	7,225	258	2,678	465	2,611	2,640	1,837	1,379	1,520	19,013	-----	-----
1916-1920.....	8,234	382	3,214	759	2,838	3,040	2,102	2,220	2,239	25,034	17,518	42,552
1921-1925.....	9,041	462	3,072	410	2,695	3,297	2,042	3,002	2,742	27,749	20,219	47,968
1926.....	7,093	497	3,536	217	2,036	2,647	1,492	3,451	2,475	23,414	16,358	39,772
1927.....	7,724	457	3,710	338	1,904	2,631	1,425	3,105	2,322	23,610	17,706	41,317
1928.....	8,539	597	4,036	482	2,391	3,179	1,724	2,902	2,754	26,524	20,003	46,527
Shipments:												
1901-1905.....	1,489	(¹)	324	(¹)	(¹)	131	98	48	340	2,430	-----	-----
1906-1910.....	1,038	(¹)	711	(¹)	(¹)	218	68	135	198	2,968	-----	-----
1911-1915.....	1,439	(¹)	891	(¹)	(¹)	393	121	424	419	3,067	-----	-----
1916-1920.....	1,271	20	1,244	139	478	754	201	827	884	5,824	7,894	13,718
1921-1925.....	2,355	77	2,559	72	772	797	437	650	1,076	8,795	8,335	17,130
1926.....	2,108	133	2,483	13	593	962	310	880	931	8,413	6,760	15,173
1927.....	2,113	124	2,624	21	510	698	207	927	693	8,007	7,036	15,043
1928.....	2,145	101	2,980	27	675	1,011	443	800	1,121	9,309	7,822	17,131
HORSES AND MULES												
Receipts:												
1901-1905.....	109	18	145	13	75	45	25	9	14	453	-----	-----
1906-1910.....	99	14	129	21	65	38	20	8	16	416	-----	-----
1911-1915.....	112	28	182	49	86	34	30	7	14	548	-----	-----
1916-1920.....	98	26	236	79	98	25	35	10	22	620	568	1,194
1921-1925.....	20	25	79	30	30	12	13	4	12	243	200	440
1926.....	18	29	53	27	29	17	9	10	19	211	180	391
1927.....	16	27	69	43	44	10	8	11	13	247	202	449
1928.....	19	24	70	43	43	18	9	11	13	250	209	459

¹ Figures not available prior to 1915. ² Total for about 70 markets. ³ Total of six markets.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 613.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT NINE MARKETS
[All figures in thousands. Markets covered are those named in Table 612]

Year	Cattle and calves		Sheep		Swine		Horses and mules
	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments	Receipts
1900	11,143	2,750	11,710	3,427	18,930	2,722	499
1907	11,504	2,906	10,742	2,905	19,251	3,014	413
1908	11,022	2,757	10,583	2,838	22,077	3,450	393
1909	11,504	2,784	11,040	2,522	18,926	3,107	303
1910	11,570	2,885	13,120	3,170	15,582	2,460	412
1911	10,700	2,724	14,327	3,713	20,720	3,229	515
1912	10,426	2,418	14,707	3,235	20,382	3,576	481
1913	10,329	2,484	14,086	3,047	20,570	3,816	482
1914	9,466	2,173	14,372	3,397	19,044	3,526	478
1915	10,057	4,081	12,288	4,050	21,840	4,784	780
1916	11,020	4,755	13,470	5,102	20,781	5,864	810
1917	15,034	5,812	12,484	5,955	22,300	6,473	756
1918	16,781	6,405	14,050	6,518	20,607	5,624	660
1919	15,932	6,713	16,847	7,860	20,237	5,817	667
1920	13,725	5,948	13,591	6,311	23,187	6,338	501
1921	12,150	5,350	13,580	5,207	22,708	6,083	186
1922	14,590	6,077	12,253	5,484	24,601	7,050	242
1923	15,013	6,484	13,192	5,870	32,320	9,597	302
1924	15,189	6,119	13,382	5,972	32,012	11,040	245
1925	15,206	5,709	13,167	5,615	29,415	9,300	242
1926	15,242	5,883	14,379	6,025	29,414	8,413	211
1927	14,020	5,454	13,550	5,507	25,016	8,007	247
1928	13,089	5,448	14,974	6,434	20,524	9,300	250

No. 614.—DOMESTIC ANIMALS: RECEIPTS AND STOCKER AND FEEDER SHIPMENTS AT ALL PUBLIC MARKETS

[All figures in thousands]

Item	1916-1920, average	1921-1925, average	1923	1924	1925	1926	1927	1928
Cattle and calves:								
Receipts	22,570	22,700	23,211	23,695	24,067	23,872	22,763	21,478
Stocker and feeder shipments	4,010	4,144	4,553	3,978	3,823	3,712	3,615	3,906
Sheep:								
Receipts	22,837	22,572	22,025	22,201	22,100	23,868	23,930	25,507
Stocker and feeder shipments	5,014	4,150	4,478	4,070	4,332	4,023	4,602	5,011
Swine:								
Receipts	42,552	47,968	55,330	55,414	43,929	39,772	41,411	40,527
Stocker and feeder shipments	720	688	820	490	532	617	923	735

No. 615.—DOMESTIC ANIMALS: RECEIPTS AT CHICAGO, EAST ST. LOUIS, KANSAS CITY, AND OMAHA, BY MONTHS

[All figures in thousands]

Class and yearly average or year	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Cattle and calves:													
1911-1915	7,251	602	492	509	480	483	511	537	650	814	905	670	601
1916-1920	9,890	804	627	643	634	653	655	756	894	1,080	1,214	1,080	841
1921-1925	9,885	778	608	601	604	725	710	758	953	1,051	1,203	919	777
1926	9,067	732	633	752	657	719	800	708	934	1,110	1,124	907	732
1927	9,007	708	619	690	611	764	697	622	823	1,062	862	637	637
1928	8,309	708	600	574	623	660	587	643	724	908	690	692	588
Sheep:													
1911-1915	11,342	893	764	788	725	698	690	767	1,002	1,572	1,054	978	842
1916-1920	9,020	740	616	616	550	551	611	732	1,056	1,488	1,306	858	769
1921-1925	9,068	751	636	704	643	647	645	695	800	1,130	1,032	610	660
1926	9,579	665	606	851	623	584	714	680	1,008	1,430	1,018	638	600
1927	8,025	699	595	641	545	660	661	624	833	1,114	922	670	662
1928	9,181	691	701	643	612	691	644	700	930	1,272	1,020	566	606
Swine:													
1911-1915	15,052	1,593	1,430	1,347	1,158	1,292	1,284	1,077	934	880	1,084	1,315	1,040
1916-1920	17,351	2,145	1,774	1,621	1,337	1,490	1,353	1,195	998	828	1,442	1,588	1,884
1921-1925	19,006	2,157	1,813	1,584	1,410	1,525	1,618	1,494	1,250	1,176	1,400	1,677	1,902
1926	15,310	1,615	1,324	1,446	1,219	1,214	1,263	1,152	1,173	1,047	1,076	1,325	1,454
1927	15,908	1,602	1,309	1,515	1,100	1,484	1,564	1,233	1,299	931	1,013	1,295	1,473
1928	18,145	2,047	2,170	1,883	1,267	1,475	1,458	1,220	1,070	1,001	1,312	1,300	1,844

Source of Tables 613, 614, and 615: Bureau of Agricultural Economics, Department of Agriculture.

No. 616.—DOMESTIC ANIMALS: AVERAGE FARM PRICE AND AVERAGE CHICAGO MARKET PRICE¹ BY CALENDAR YEARS

[Milk cows dollars per head; others in dollars per 100 pounds, live weight]

Yearly average or year	Milk cows on farms, per head	Beef cattle		Calves		Sheep		Lambs		Hogs	
		Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago
1911-1915	52.33	5.55	7.80	7.09	9.30	4.60	5.13	6.01	7.57	6.88	7.60
1916-1920	70.47	8.42	12.91	11.05	14.35	8.97	10.25	11.85	15.05	13.26	14.73
1921-1925	56.29	5.66	9.13	8.11	9.78	6.35	7.02	10.10	13.53	8.32	9.04
1914	50.34	6.24	8.65	7.83	9.90	4.70	5.56	6.34	7.99	7.52	8.30
1915	58.25	6.01	8.40	7.63	10.15	5.27	6.36	6.86	9.05	6.56	7.10
1916	60.95	6.48	9.50	8.35	10.85	6.29	7.82	8.22	10.77	8.13	9.00
1917	71.86	8.17	11.60	10.61	13.75	9.45	11.04	12.31	15.68	13.46	15.10
1918	83.07	9.46	14.65	11.91	15.75	10.05	12.44	13.93	16.08	15.85	17.45
1919	91.96	9.61	15.50	12.76	16.83	9.63	10.47	12.06	16.31	16.02	17.85
1920	89.51	8.38	13.30	11.80	14.58	8.51	9.40	11.85	15.50	12.86	13.91
1921	59.10	5.44	8.20	7.81	9.36	4.65	5.13	7.19	9.86	7.81	8.51
1922	53.66	5.43	8.65	7.68	9.15	5.96	7.15	9.76	13.68	8.32	9.22
1923	55.43	5.57	9.40	7.99	9.66	6.65	7.10	10.50	13.89	7.11	7.55
1924	55.48	5.59	9.24	8.12	9.86	6.81	7.57	10.75	14.67	7.46	8.11
1925	57.87	6.26	10.16	8.85	10.87	7.70	8.16	12.30	15.66	10.88	11.81
1926	65.51	6.46	9.47	9.61	11.61	7.43	7.25	11.56	14.26	11.75	12.34
1927	74.19	7.54	11.36	10.16	12.90	7.26	7.04	11.41	14.12	9.67	9.95
1928	89.75	9.18	13.91	11.79	14.56	7.68	7.39	12.09	14.99	8.60	9.22

¹ Prices are weighted calendar year averages, except the averages for milk cows on farms and calves, sheep, and lambs at Chicago, which are simple averages.

No. 617.—DOMESTIC ANIMALS: MONTHLY AVERAGE PRICES AT CHICAGO

[In dollars per 100 pounds, live weight]

Class and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
Beef steers: ²													
1923	8.88	8.62	8.70	8.81	9.28	9.74	9.71	10.36	10.18	9.94	9.46	8.96	9.40
1924	8.90	8.81	9.17	9.52	9.59	9.28	9.31	9.63	9.52	9.57	8.90	8.71	9.24
1925	8.97	9.15	9.93	9.99	9.90	10.34	11.28	11.10	11.04	10.80	10.16	9.72	10.16
1926	9.48	9.42	9.42	9.11	9.07	9.51	9.44	9.30	10.00	10.00	9.48	9.43	9.47
1927	9.70	9.81	10.20	10.51	10.68	11.12	11.78	12.02	12.63	13.43	13.57	13.08	11.81
1928	13.67	13.15	12.83	13.01	13.19	13.86	15.11	15.30	15.91	14.61	13.84	12.86	13.91
Calves:													
1923	10.08	10.63	9.32	8.68	9.51	9.31	10.14	10.36	10.57	9.82	8.15	9.31	9.66
1924	11.03	10.54	9.75	9.03	9.30	8.74	9.48	10.03	10.72	10.10	9.02	9.97	9.86
1925	10.72	11.94	11.24	9.49	9.42	9.56	10.91	11.94	12.18	11.19	10.60	11.30	10.87
1926	12.18	12.43	12.06	9.91	11.04	11.09	11.38	12.46	12.59	11.80	11.69	11.31	11.61
1927	12.20	12.40	11.54	10.90	11.07	11.68	13.32	14.75	15.94	14.42	13.48	13.09	12.90
1928	13.70	15.04	13.75	13.02	13.05	13.24	14.84	16.68	17.36	14.94	14.22	13.94	14.56
Sheep:													
1923	7.72	8.08	8.64	8.90	6.74	5.00	5.10	7.09	7.25	6.35	6.89	7.37	7.10
1924	8.16	9.12	10.50	10.21	8.11	5.82	5.60	6.18	5.46	6.60	6.62	8.45	7.57
1925	10.33	9.69	9.22	7.84	7.06	6.25	7.48	6.83	6.95	7.64	8.16	9.57	8.16
1926	9.72	9.18	8.82	8.87	7.07	5.85	5.07	6.60	6.25	6.12	5.88	5.86	7.25
1927	9.64	8.03	8.83	9.62	7.44	5.88	6.25	6.47	6.14	6.00	6.40	6.41	7.04
1928	7.03	8.96	9.47	10.16	8.53	6.12	6.28	6.72	6.34	6.18	5.84	7.03	7.39
Lambs:													
1923	14.60	14.85	14.56	14.42	14.12	14.81	14.22	12.89	13.52	12.93	12.75	12.90	13.89
1924	13.63	14.95	16.00	16.22	15.23	14.12	13.79	13.57	13.38	13.52	14.03	16.47	14.57
1925	18.28	17.59	16.28	14.85	13.06	15.86	15.11	14.88	15.19	15.20	15.44	15.15	15.66
1926	15.28	13.78	13.48	14.38	15.30	16.66	14.31	14.20	14.05	13.88	13.25	12.57	14.26
1927	12.64	13.28	15.27	15.87	14.75	15.66	14.25	13.68	13.46	13.70	13.80	13.14	14.12
1928	13.16	15.39	16.26	16.81	16.10	16.84	15.61	14.72	14.29	13.12	13.31	14.31	14.99
Hogs:													
1923	8.20	8.02	8.13	8.08	7.53	6.92	7.04	7.65	8.35	7.42	6.85	6.87	7.55
1924	7.10	7.06	7.35	7.30	7.34	7.04	7.68	9.38	9.57	9.91	8.97	9.38	8.11
1925	10.88	11.00	13.55	12.55	12.06	12.57	13.46	12.60	12.52	11.31	11.28	10.97	11.81
1926	12.02	12.45	12.20	12.33	13.55	14.01	12.51	11.48	12.93	12.72	11.80	11.57	12.34
1927	11.90	11.73	11.20	10.69	9.59	8.78	9.05	9.03	10.22	10.39	8.92	8.32	9.95
1928	8.25	8.08	8.08	9.28	9.67	9.91	10.65	11.53	11.89	9.57	8.83	8.61	9.22

¹ Simple averages of monthly average prices, except the averages for beef steers and hogs, which are weighted averages.

² Western steers not included.

Source of Tables 616 and 617: Bureau of Agricultural Economics, Department of Agriculture.

No. 618.—WHOLESALE PRICES OF MEATS AND ANIMAL PRODUCTS

[All prices are in cents per pound except for eggs which are in cents per dozen and milk in cents per quart. Relative prices based on 1923-1925=100]

Yearly average or year	Beef, native sides, New York		Steers, good to choice, Chicago		Hams, smoked, Chicago		Pork, short, clear sides, Chicago		Lard, prime contract, New York		Hogs, heavy, Chicago		Mutton, dressed, New York	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
1891-1895	7.8	51.3	4.78	47.3	10.5	46.1	7.8	48.1	7.7	54.0	5.08	53.0	7.0	55.0
1896-1900	7.7	50.7	4.94	48.9	9.1	39.9	5.9	36.4	5.4	38.3	3.98	42.0	7.1	52.2
1901-1905	8.3	54.0	5.52	54.7	11.3	49.0	8.9	54.9	8.0	61.0	5.89	62.1	7.0	55.0
1906-1910	9.1	59.9	6.13	60.7	13.2	57.0	10.5	64.0	10.2	72.3	6.93	73.1	9.1	66.9
1911-1915	12.1	79.6	8.28	82.0	15.3	67.1	11.6	72.8	10.0	70.9	7.64	80.9	9.4	69.1
1916-1920	13.5	121.7	14.16	140.2	28.6	125.4	23.4	144.4	21.0	155.3	15.07	150.0	16.4	120.6
1921-1925	14.8	97.4	9.70	96.0	24.9	106.6	15.3	94.4	13.0	92.2	9.26	97.7	12.6	92.0
1923-1925	15.2	100.0	10.10	100.0	22.8	100.0	16.2	100.0	14.1	100.0	9.48	100.0	13.6	100.0
1924	15.1	99.3	9.67	95.7	20.2	88.6	14.4	88.0	13.3	94.3	8.40	89.0	14.5	100.6
1925	15.9	104.0	10.60	105.5	27.1	118.9	22.3	137.7	16.8	110.1	12.25	129.2	14.4	105.0
1926	15.1	99.3	9.53	94.4	30.8	135.1	20.1	124.1	15.0	100.4	12.34	120.2	14.4	105.9
1927	17.7	116.4	12.09	125.0	24.6	107.9	18.7	115.4	12.9	91.5	10.14	107.0	14.1	107.9
1928	20.9	137.5	14.49	143.5	22.8	109.0	16.3	100.6	12.3	87.2	9.93	101.0	14.2	104.4
Yearly average or year	Carcass, good native steers, Chicago		Pork, fresh loins, Chicago		Poultry, dressed fowls, Chicago ¹		Butter, creamery, extra, New York		Cheese, whole milk, New York		Eggs, frsts, fresh, New York ²		Milk, fresh, New York	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
1891-1895	---	---	---	---	---	---	24.7	54.0	10.3	46.0	20.8	56.2	3.3	45.2
1896-1900	---	---	---	---	---	---	20.1	44.7	9.8	44.3	18.5	50.0	3.2	43.8
1901-1905	---	---	---	---	---	---	23.3	51.8	11.2	50.7	24.0	66.5	3.4	46.6
1906-1910	11.0	64.7	---	---	---	---	27.9	62.0	14.3	64.7	23.2	78.0	4.0	54.8
1911-1915	12.8	75.3	---	---	---	---	30.0	66.7	15.2	68.8	28.0	75.7	4.2	57.5
1916-1920	19.8	116.5	---	---	---	---	50.1	111.3	25.6	115.8	45.6	123.2	7.1	97.3
1921-1925	16.4	96.5	21.2	102.4	25.0	101.6	43.8	97.3	21.7	98.2	37.2	100.5	7.4	101.4
1923-1925	17.0	100.0	20.7	100.0	24.6	100.0	45.0	100.0	22.1	100.0	37.0	100.0	7.3	100.0
1924	17.1	100.0	19.2	92.8	24.9	101.2	42.7	94.0	19.2	86.9	36.4	98.4	6.8	93.2
1925	18.0	105.9	20.0	120.8	24.5	99.6	45.4	100.0	23.1	104.5	39.8	107.0	7.6	104.1
1926	16.4	96.5	27.8	134.3	27.1	110.2	44.3	98.4	22.7	102.7	35.0	96.2	7.7	105.5
1927	18.8	109.4	24.0	115.9	23.2	94.3	47.3	105.1	24.9	112.7	32.0	86.5	7.9	108.2
1928	22.8	134.1	22.5	108.7	22.6	91.9	47.4	105.3	25.1	113.6	32.9	88.9	8.2	112.3

¹ "Poultry feed" prior to 1923.

² "New laid, fair to fancy, near-by" to 1912; thereafter "frsts, freshly gathered." The absolute prices are not comparable but the index numbers are closely comparable.

³ Average for 8 years, 1908 to 1910.

Source: Absolute prices, Bureau of Labor Statistics, Department of Labor; indexes, computed from absolute prices by Bureau of Foreign and Domestic Commerce.

No. 619.—FARM PRICES OF ANIMALS AND ANIMAL PRODUCTS

NOTE.—Prices represent weighted averages for the entire country. Annual averages are weighted according to volume marketed each month. Market year ends in July for cattle, October for hogs, May for lambs, June for chickens, and March for eggs. Quotations are as of the 15th of each month. All prices are in cents per pound except for eggs which are in cents per dozen

Year	Market year					Calendar year				
	Beef cattle	Hogs	Lambs	Chick-ens	Eggs	Veal calves	Sheep	Wool, un-washed	Butter	
1912	4.69	6.43	5.28	10.4	18.2	6.45	4.24	18.1	25.7	
1913	5.60	7.39	5.96	11.2	18.0	7.48	4.55	16.4	24.7	
1914	6.12	7.60	6.03	12.0	19.8	7.83	4.79	17.7	25.1	
1915	6.12	6.69	6.49	11.5	19.3	7.03	5.27	22.8	25.7	
1916	6.24	7.61	7.38	12.0	19.0	8.35	6.28	27.9	28.0	
1917	7.31	12.10	9.50	14.6	23.3	7.81	6.45	47.8	35.0	
1918	8.92	15.78	13.60	18.4	33.0	11.91	10.66	67.9	42.7	
1919	9.85	16.60	13.65	23.0	34.0	12.76	9.93	50.3	50.3	
1920	9.00	13.48	13.05	24.2	41.8	11.80	8.61	39.1	54.3	
1921	6.76	8.52	9.41	22.8	30.3	7.81	6.81	16.4	37.0	
1922	5.18	8.10	7.83	19.3	25.3	7.08	6.05	29.3	35.3	
1923	5.55	7.34	10.30	18.2	24.7	7.99	6.65	38.0	40.4	
1924	5.57	7.06	10.54	18.3	25.2	8.12	6.83	36.9	39.4	
1925	5.88	10.46	11.45	19.2	26.1	8.86	7.70	38.5	40.7	
1926	6.40	11.63	11.98	20.7	28.3	9.61	7.43	32.5	41.1	
1927	6.67	10.21	11.36	20.7	27.5	10.16	7.20	30.7	42.8	
1928	8.58	8.67	11.76	19.8	24.2	11.70	7.68	36.7	45.7	
December, 1928	8.94	7.93	11.41	21.2	42.9	11.82	7.20	35.6	46.3	

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 620.—MEATS: PRODUCTION, EXPORTS, IMPORTS, AND ESTIMATED CONSUMPTION, AND NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION

NOTE.—All figures except per capita in millions of pounds. Uninspected slaughter is a rough estimate, based on ratios established at the census of 1909 and revised after the publication of more accurate data from census and other sources. The edible offal (liver, pluck, etc.) is disregarded. Figures of consumption beginning with 1916 include differences between quantities in storage at beginning and end of year

Yearly average or year (calendar)	Production			Exports	Imports (less re- exports)	Consumption	
	Esti- mated total	Feder- ally inspected	Unin- spected †			Esti- mated total	Per capita (pounds)
All meat (excluding lard)‡							
1900-1904.....	12,746	6,280	6,466	1,118	-----	11,414	143.8
1905-1909.....	14,114	7,953	6,161	942	-----	13,001	148.7
1910-1914.....	13,776	8,256	5,520	506	‡ 171	13,239	139.2
1915-1920.....	15,049	9,925	5,125	1,603	90	13,204	128.3
1921-1925.....	16,852	11,030	5,822	704	38	15,089	143.0
1926.....	17,245	11,354	5,891	405	59	16,763	143.0
1927.....	16,872	11,272	5,000	352	114	16,570	139.7
1928.....	16,955	11,317	5,638	360	143	16,569	138.0
Beef:							
1900-1904.....	6,154	3,227	2,927	416	-----	5,640	71.0
1905-1909.....	6,853	3,971	2,882	310	-----	6,472	74.0
1910-1914.....	6,109	3,761	2,347	79	‡ 144	6,059	63.8
1915-1920.....	6,541	4,081	1,860	365	60	6,143	59.6
1921-1925.....	6,791	4,610	2,172	44	23	6,765	61.1
1926.....	7,458	5,223	2,235	38	41	7,454	63.6
1927.....	6,826	4,783	2,043	34	82	6,926	58.4
1928.....	6,082	4,263	1,810	24	121	6,210	51.7
Veal:							
1900-1904.....	345	54	201	-----	-----	345	4.3
1905-1909.....	542	155	387	-----	-----	542	6.2
1910-1914.....	552	105	358	-----	‡ 5	553	5.8
1915-1920.....	605	207	308	-----	3	667	6.5
1921-1925.....	808	449	419	-----	4	872	7.9
1926.....	900	630	430	-----	4	904	8.2
1927.....	807	493	374	-----	8	874	7.4
1928.....	814	462	352	-----	8	822	6.8
Mutton and lamb:							
1900-1904.....	562	326	227	‡ 2	-----	551	6.9
1905-1909.....	504	400	105	2	-----	563	6.5
1910-1914.....	711	552	159	4	‡ 18	710	7.4
1915-1920.....	555	430	120	5	17	566	5.5
1921-1925.....	584	456	128	4	8	589	5.3
1926.....	643	501	142	2	2	642	5.5
1927.....	645	502	143	2	3	645	5.4
1928.....	671	523	148	2	3	673	5.6
Pork (excluding lard):							
1900-1904.....	5,695	2,674	3,021	700	-----	4,870	61.5
1905-1909.....	6,140	3,422	2,717	630	-----	5,409	61.8
1910-1914.....	6,361	3,733	2,628	422	‡ 16	5,873	61.7
1915-1920.....	7,273	4,513	2,700	1,233	5	5,813	56.5
1921-1925.....	8,607	5,506	3,101	746	4	7,754	69.4
1926.....	8,181	5,099	3,082	426	12	7,690	65.7
1927.....	8,533	5,495	3,038	316	21	8,122	68.5
1928.....	9,387	6,069	3,318	334	11	8,363	73.9
Lard:							
1900-1904.....	1,552	790	754	559	-----	983	12.4
1905-1909.....	1,653	975	678	607	-----	1,046	11.9
1910-1914.....	1,614	948	660	519	-----	1,005	11.5
1915-1920.....	1,877	1,178	698	556	-----	1,321	12.9
1921-1925.....	2,445	1,660	785	896	-----	1,552	13.9
1926.....	2,324	1,513	811	733	-----	1,584	13.5
1927.....	2,356	1,557	799	717	-----	1,634	13.8
1928.....	2,594	1,750	844	801	-----	1,763	14.7

NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION (THOUSANDS)

Year	Cattle	Calves	Sheep	Goats	Swine	Year	Cattle	Calves	Sheep	Goats	Swine
1910-1914.....	7,283	2,060	13,898	83	31,986	1910.....	10,091	3,969	12,691	87	41,812
1915-1920.....	9,300	3,135	11,240	131	39,403	1920.....	8,009	4,063	10,982	42	38,010
1921-1925.....	8,979	4,550	11,891	26	40,289	1921.....	7,608	3,808	13,005	12	38,982
1912.....	7,253	2,278	14,979	73	33,053	1922.....	8,078	4,182	10,929	21	45,114
1913.....	6,978	1,902	14,406	76	34,199	1923.....	9,163	4,500	11,529	27	53,334
1914.....	6,777	1,697	14,229	176	32,532	1924.....	9,593	4,935	11,591	33	52,873
1915.....	7,153	1,819	12,212	153	33,381	1925.....	9,853	5,353	12,001	39	48,043
1916.....	8,310	2,367	11,941	199	43,084	1926.....	10,180	5,153	12,001	-----	40,836
1917.....	10,350	3,143	9,345	106	33,010	1927.....	9,520	4,870	12,883	-----	43,623
1918.....	11,829	3,456	10,320	138	41,214	1928.....	8,467	4,080	13,468	-----	49,705

† Estimated.

‡ All meat includes small quantities of goat meat.

§ 2-year average.

¶ 1 year.

‡ 4-year average.

Source: Bureau of Animal Industry, Department of Agriculture.

**No. 621.—LIVESTOCK PRODUCTS OF FARMS: SUMMARY OF CENSUS
STATISTICS FOR THE UNITED STATES**

Product	Quantity (thousands)				Value (thousands of dollars)			
	Unit	1899	1909	1919	1924	1909	1919	1924
Total value.....						1, 177, 975	2, 686, 044	2, 345, 219
Dairy products.....						500, 413	1, 481, 402	1, 209, 778
Butter made on farms.....	Lb..	1, 071, 620	904, 651	707, 600	642, 803	222, 861	346, 356	228, 139
Cheese made on farms.....	do.	10, 372	9, 400	6, 371	(¹)	1, 149	2, 208	(¹)
Whole milk sold.....	Gal..	2, 134, 830	1, 937, 250	2, 520, 331	2, 000, 612	252, 437	717, 380	555, 209
Cream sold.....	do.	20, 769	54, 034	82, 248	45, 736	37, 055	111, 006	62, 069
Butterfat sold.....	Lb..		305, 003	532, 244	1, 061, 002	82, 312	303, 652	415, 311
Wool and mohair ²		277, 520	203, 190	235, 004	235, 531	66, 374	124, 007	93, 122
Wool produced ²	Lb..	270, 568	289, 420	228, 795	227, 105	65, 472	120, 418	88, 630
Mohair produced.....	do.	901	3, 779	6, 800	8, 420	902	3, 589	4, 491
Poultry products ²						500, 105	1, 047, 105	991, 319
Eggs produced ²	Doz..	1, 293, 602	1, 591, 311	³ 1, 654, 045	³ 1, 913, 245	306, 089	³ 601, 083	³ 571, 938
Fowls raised ²	No..	250, 024	488, 468	³ 473, 201	³ 545, 848	202, 506	³ 380, 112	³ 419, 381
Honey and wax.....					(¹)	5, 092	14, 280	(¹)
Honey produced.....	Lb..	61, 090	54, 815	55, 224	(¹)	5, 703	13, 989	(¹)
Wax produced.....	do.	1, 764	905	821	(¹)	229	201	(¹)

¹ Not reported.

² Figures include estimates for incomplete reports, as where a farmer reported sheep but no wool production, or chickens but no egg production.

³ The 1919 and 1924 figures represent only chicken eggs and chickens raised, respectively.

Source: Bureau of the Census, Department of Commerce.

**No. 622.—CHEESE: CENSUS STATISTICS OF PRODUCTION IN THE UNITED STATES
AND IN LEADING STATES**

NOTE.—All figures in thousands of pounds. All States shown separately which produced over 1,000,000 pounds in any census year shown. Total production in factories only: 1904, 317,145,000 pounds; 1914, 370,279,000 pounds; 1921, 423,360,000 pounds; 1925, 554,348,000 pounds

State	Total ^{1,2}		On farms ¹		In factories ^{1,2}			
	1909	1919	1909	1919	1909	1919	1923	1927
Total.....	320, 532	479, 040	9, 406	6, 371	311, 126	473, 669	569, 640	515, 462
California.....	4, 346	12, 055	2, 778	2, 346	1, 568	9, 709	9, 003	10, 247
Colorado.....	621	1, 320	70	167	551	1, 163	1, 638	2, 541
Idaho.....	³ 91	2, 655	91	32	(⁴)	2, 623	4, 637	8, 052
Illinois.....	4, 881	4, 969	82	118	4, 799	4, 851	7, 203	12, 360
Indiana.....	489	378	64	100	425	260	468	3, 049
Iowa.....	1, 079	1, 069	79	53	1, 000	1, 016	773	710
Michigan.....	13, 673	12, 934	291	77	13, 382	12, 857	11, 154	12, 094
Minnesota.....	2, 842	10, 188	106	72	2, 736	10, 116	9, 311	9, 380
Missouri.....	370	279	160	90	210	180	1, 068	2, 781
Montana.....	³ 50	³ 43	50	43	(⁴)	(⁴)	(⁴)	1, 392
New York.....	105, 585	89, 479	390	521	105, 195	88, 958	76, 129	57, 746
Ohio.....	12, 474	5, 655	613	434	11, 861	5, 221	6, 686	8, 582
Oregon.....	4, 388	9, 468	169	44	4, 219	9, 424	11, 888	15, 348
Pennsylvania.....	12, 077	15, 971	1, 443	532	11, 234	15, 439	14, 841	13, 380
Utah.....	1, 144	1, 145	84	74	1, 060	1, 071	2, 209	2, 167
Vermont.....	3, 009	4, 984	246	70	2, 763	4, 908	3, 607	1, 530
Washington.....	475	2, 376	53	55	422	2, 291	4, 773	6, 201
Wisconsin.....	148, 907	299, 014	841	308	148, 066	298, 706	302, 349	327, 393
Wyoming.....	³ 10	1, 509	10	7	(⁴)	1, 502	1, 791	2, 172
All other States.....	3, 412	4, 449	1, 786	1, 193	1, 620	3, 256	3, 072	6, 002

¹ Includes data for soft cheese, such as cottage, pot, and bakers.

² The figures are exclusive of the small amount of cheese made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.

³ Excludes cheese made in factories which is included in "All other States."

⁴ Included in "All other States."

Source: Bureau of the Census, Department of Commerce.

No. 623.—MILK AND BUTTER: CENSUS STATISTICS, BY STATES

NOTE.—United States butter production (pounds)—Total: 1879, 793, 721,000; 1889, 1,205,508,000. In factories: 1909, 624,765,000; 1914, 769, 810, 000; 1921, 1,118,204,000; 1923, 1,303,490,000.; 1925, 1,444,288,000. In farms: 1919, 707,666,000

Division and State	Milk produced, total including estimates (thousands of gallons)			Milk sold by farmers (thousands of gallons)		Butter made (thousands of pounds)			
	1909	1910	1924	1919	1924	1909, total ¹	1924		1927, in factories only ¹
							Total ²	On farms	
United States...	7,406,406	7,805,144	9,198,304	2,520,331	2,666,612	1,619,415	2,087,091	642,808	1,549,487
New England.....	400,648	385,639	402,766	208,404	205,540	(3)	41,264	18,198	191
Maine.....	69,784	67,677	70,049	28,191	18,289	15,405	9,581	0,241	
New Hampshire.....	44,461	42,566	38,149	23,043	21,027	6,805	2,573	2,470	(3)
Vermont.....	122,010	122,096	127,657	55,319	40,357	35,393	13,821	3,402	5,086
Massachusetts.....	90,438	76,316	86,575	55,677	65,849	5,253	3,463	1,456	3,083
Rhode Island.....	12,178	12,099	13,604	9,314	11,302	(3)	132	132	(3)
Connecticut.....	50,829	54,894	65,631	36,920	48,627	5,449	1,494	1,494	356
Middle Atlantic.....	1,272,849	1,248,168	1,264,502	879,954	883,181	165,999	63,524	68,545	(3)
New York.....	783,479	756,040	741,983	478,162	562,804	60,359	40,627	22,106	12,380
New Jersey.....	80,606	70,491	70,245	50,377	60,908	4,301	945	945	(3)
Pennsylvania.....	411,765	421,631	440,273	260,445	269,469	91,442	41,052	30,494	11,584
East North Central.....	1,980,106	2,246,889	2,614,917	948,491	920,994	424,138	531,172	87,892	444,568
Ohio.....	362,050	396,318	425,834	139,004	159,816	81,000	107,930	30,180	86,180
Indiana.....	216,688	238,704	270,903	45,167	60,002	54,894	65,612	14,172	61,139
Illinois.....	395,934	370,487	435,133	159,570	190,557	71,181	85,066	22,889	65,752
Michigan.....	362,858	382,823	424,230	130,804	144,911	85,917	91,879	20,350	68,081
Wisconsin.....	667,498	868,269	1,058,761	473,817	363,049	131,056	177,785	7,172	163,416
West North Central.....	1,731,472	1,718,410	2,275,079	129,308	187,168	444,724	815,700	124,119	790,879
Minnesota.....	409,101	475,607	603,638	43,152	60,829	123,562	283,975	16,825	278,039
Iowa.....	480,504	501,420	515,909	91,356	35,379	127,262	191,613	23,328	186,443
Missouri.....	220,959	228,908	278,950	17,901	30,297	52,367	87,373	25,937	72,768
North Dakota.....	190,559	138,607	199,037	3,047	3,098	20,098	47,180	14,773	33,689
South Dakota.....	117,215	124,426	172,935	2,608	5,145	23,125	40,026	10,926	35,507
Nebraska.....	198,306	198,083	197,601	10,182	13,876	49,960	98,678	15,637	96,306
Kansas.....	217,888	221,464	251,969	20,969	28,539	48,360	60,455	17,293	58,637
South Atlantic.....	517,876	517,728	667,849	81,264	120,956	(3)	115,315	108,097	
Delaware.....	10,962	11,356	13,037	6,876	8,562	2,100	812	812	(3)
Maryland.....	59,736	58,754	74,043	29,843	42,983	9,858	6,000	5,255	165
Dist. of Columbia.....	611	612	481	120	439	0	5	5	
Virginia.....	104,391	110,942	127,447	17,000	24,241	26,810	28,281	24,232	5,480
West Virginia.....	75,604	73,099	76,621	6,779	10,425	(3)	16,744	16,055	873
North Carolina.....	98,099	95,748	108,152	7,060	11,222	26,060	26,795	25,300	2,184
South Carolina.....	60,274	52,655	40,982	2,871	3,214	12,330	12,857	12,566	888
Georgia.....	100,210	101,616	98,822	7,390	11,310	27,324	22,277	22,277	2,514
Florida.....	12,532	12,166	10,265	3,307	8,571	1,705	1,544	1,544	(3)
East South Central.....	468,882	458,942	499,612	32,808	47,541	(3)	140,838	107,259	42,923
Kentucky.....	140,983	140,651	165,021	12,469	17,495	38,681	42,989	28,595	20,182
Tennessee.....	128,450	130,286	148,750	9,831	15,591	39,828	44,770	32,461	13,583
Alabama.....	97,884	93,904	95,365	6,409	7,128	(3)	23,868	27,705	1,390
Mississippi.....	96,227	88,192	89,567	4,094	7,326	28,731	24,011	18,498	7,818
West South Central.....	521,899	459,371	688,777	36,808	64,553	(3)	140,539	109,151	52,853
Arkansas.....	97,932	87,624	98,760	4,332	5,758	30,268	24,900	23,962	1,081
Louisiana.....	48,284	32,973	37,870	5,334	10,935	(3)	4,319	4,319	252
Oklahoma.....	134,291	135,821	177,697	7,782	12,368	31,167	41,501	25,519	28,505
Texas.....	240,280	202,954	274,541	19,360	35,500	67,127	69,813	55,351	23,015
Mountain.....	174,404	290,412	392,431	47,821	54,865	(3)	66,762	21,709	72,293
Montana.....	26,437	51,251	73,185	5,102	6,175	4,128	20,153	5,410	14,125
Idaho.....	30,981	52,365	78,605	6,303	8,805	5,000	20,108	8,662	20,467
Wyoming.....	9,744	14,543	24,318	2,145	2,112	1,976	3,971	1,760	2,247
Colorado.....	51,670	79,493	90,649	16,087	17,703	12,208	24,245	5,245	20,565
New Mexico.....	10,959	12,738	19,027	1,820	3,987	(3)	2,041	1,707	284
Arizona.....	11,227	14,371	18,416	6,707	9,835	1,380	2,589	7,611	2,148
Utah.....	26,306	29,340	40,847	9,051	7,507	0,220	10,895	2,913	10,266
Nevada.....	6,543	6,312	11,483	801	1,734	1,444	2,754	244	2,191
Pacific.....	392,405	509,794	622,373	164,392	201,885	84,786	139,374	12,835	131,000
Washington.....	92,185	140,625	190,848	63,575	85,819	18,054	34,469	5,090	31,592
Oregon.....	71,053	92,845	112,218	22,878	25,598	14,141	26,804	3,901	24,991
California.....	229,490	276,424	340,309	77,938	130,468	52,585	78,101	3,844	75,107

¹ Figures given are exclusive of small amounts of butter made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.

² Includes butter made on farms in 1924 and in factories in 1925.

³ Not shown separately, as to do so would disclose individual operations.

⁴ Excludes small amount of butter made in factories of one or two States in this group.

⁵ Excludes butter made in factories.

Source: Bureau of the Census, Department of Commerce.

No. 624.—DAIRY PRODUCTS: FACTORY PRODUCTION BY DETAILED CLASSES

[In thousands of pounds]

Manufactured product	1922	1923	1924	1925	1926	1927
Creamery butter.....	1,153,515	1,262,214	1,350,080	1,361,520	1,451,706	1,400,406
Whey butter (made from whey cream).....	2,291	1,904	1,603	1,774	2,872	1,217
Renovated or process butter.....	4,448	2,802	2,813	2,610	2,505	4,286
American cheese (whole milk).....	282,800	308,108	324,095	347,240	335,915	307,777
American cheese (part skim).....	2,164	2,145	2,470	2,793	2,927	3,390
American cheese (full skim).....	2,500	2,033	1,605	3,298	1,384	1,888
Swiss cheese (including block).....	19,983	24,555	21,814	23,457	20,883	18,141
Brick and Munster cheese.....	37,194	33,250	32,052	34,101	31,048	31,546
Limburger cheese.....	7,383	7,100	9,734	9,103	9,039	8,842
Cottage, pot, and bakers' cheese.....	32,389	35,527	54,374	59,488	67,977	76,079
Cream and Neufchatel cheese.....	9,936	10,334	14,945	17,675	18,192	26,062
All Italian varieties of cheese.....	2,627	2,132	1,973	1,502	2,425	3,377
All other varieties of cheese.....	5,387	5,040	4,022	4,325	5,003	6,763
Sweetened condensed milk:						
Skimmed.....	70,004	104,984	98,625	117,333	148,771	145,345
Unskimmed.....	200,748	240,918	234,710	231,565	210,681	201,023
Unsweetened evaporated milk:						
Skimmed.....	70,640	84,451	94,086	92,948	128,743	134,185
Unskimmed.....	1,010,997	1,344,528	1,272,527	1,310,012	1,245,309	1,376,100
Sterilized milk (canned same as condensed).....	330	80	488	1,576	1,286	—
Condensed or evaporated buttermilk.....	44,343	54,833	60,837	77,079	86,687	99,180
Dried or powdered buttermilk.....	9,007	13,032	18,058	20,246	31,378	38,435
Powdered whole milk.....	5,899	6,500	7,887	8,931	10,708	11,404
Powdered skimmed milk.....	40,617	92,261	69,219	73,517	91,718	118,123
Powdered cream.....	119	328	1,018	330	331	338
Dried casein (skim-milk product).....	6,997	14,500	20,963	10,468	10,893	18,033
Dried casein (buttermilk product).....	20	48	76	102	80	—
Malted milk.....	13,659	15,331	15,880	18,050	20,073	22,116
Milk sugar (erude).....	2,191	2,872	3,331	5,655	4,476	4,077
Ice cream of all kinds ¹	161,609	183,412	181,504	214,382	215,248	226,750

¹ Production of ice cream shown in thousands of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 625.—MILK: PRODUCTION AND USES IN THE UNITED STATES (ESTIMATES)

Purpose for which milk is used	1926				1927 (preliminary)			
	Whole milk used	Per cent of milk used for manufacture	Milk used per pound of product	Product manufactured	Whole milk used	Per cent of milk used for manufacture	Milk used per pound of product	Product manufactured
Butter:	<i>Million pounds</i>		<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>		<i>Pounds</i>	<i>Million pounds</i>
Creamery.....	30,487	53.8	21	1,462	31,428	54.5	21	1,496
Farm.....	12,915	22.7	21	615	12,600	21.8	21	600
Cheese, all kinds.....	4,274	7.5	10	427	4,067	7.1	10	407
Milk:								
Condensed and evaporated.....	4,334	7.0	2.5	1,734	4,639	8.0	2.5	1,856
Powdered.....	87	.2	8	11	92	.2	8	11
Malted.....	45	.1	2.2	21	40	.1	2.2	18
Sterilized, canned.....	1	—	1	1	—	—	—	—
Chocolate.....	172	.3	—	—	183	.3	—	—
Cream, powdered.....	6	—	19	(¹)	6	—	19	(¹)
Ice cream.....	4,404	7.8	² 13.75	² 325	4,615	8.0	² 13.75	² 336
Total milk for manufacture.....	456,785	100.0	—	—	57,668	100.0	—	—
Milk used otherwise:								
Household purposes.....	50,417	—	—	—	(³)	—	—	—
Fed to calves.....	3,942	—	—	—	3,708	—	—	—
Waste, loss, and unspecified.....	3,623	—	—	—	(⁴)	—	—	—
Total milk produced.....	120,766	—	—	—	(⁴)	—	—	—

¹ Less than 500,000 pounds.

² Milk used per gallon of ice cream.

³ Millions of gallons. Includes estimated amounts made in homes and small establishments not reporting.

⁴ In 1926 milk used for manufacture equaled 47 per cent of total milk produced.

⁵ Not yet available.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 626.—BUTTER AND CHEESE: PRODUCTION, GROSS RECEIPTS AT FIVE PRINCIPAL MARKETS, AND COLD-STORAGE HOLDINGS

NOTE.—All figures in thousands of pounds. Cheese production relates to the grade "American" (whole milk) only, receipts to all kinds

Product and market	1918-1922, average	1923	1924	1925	1926	1927	1928
BUTTER							
Production, creamery	651,666	1,252,214	1,350,080	1,361,523	1,451,763	1,496,495	1,479,198
Receipts (5 markets)	673,818	646,423	696,905	681,727	679,480	680,875	676,669
New York	212,346	243,794	243,759	244,127	252,742	261,322	250,593
Chicago	209,375	225,892	258,083	254,308	236,540	235,200	230,614
Philadelphia	52,563	49,598	70,731	72,004	79,845	81,727	84,495
Boston	75,537	82,650	89,921	82,476	83,243	84,617	87,324
San Francisco	23,997	26,510	29,411	28,752	27,064	26,700	24,082
Cold-storage holdings, Dec. 1	66,283	51,508	100,832	74,754	64,381	83,224	70,985
CHEESE							
Production, American	260,590	308,108	324,605	347,240	335,915	307,777	330,819
Receipts (5 markets)	218,037	216,056	223,558	223,656	207,898	218,248	198,613
New York	52,343	49,425	42,959	45,163	45,363	46,937	45,272
Chicago	123,645	130,024	131,129	131,129	115,104	123,653	97,204
Philadelphia	18,363	10,800	19,095	19,095	10,454	20,390	21,039
Boston	14,086	16,914	13,725	15,214	15,437	14,588	17,862
San Francisco	9,064	11,600	11,482	11,855	12,530	12,094	12,076
Cold-storage holdings, Dec. 1:							
American	30,880	55,105	58,705	66,495	63,881	53,447	74,325
All other	14,182	17,518	18,880	18,066	17,203	17,288	15,945

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BUTTER												
Production, creamery:												
1926	97,893	94,222	112,432	121,049	155,912	178,270	159,554	133,294	116,732	103,068	88,481	90,853
1927	97,965	95,522	111,451	120,415	168,808	188,792	170,484	140,808	113,640	102,309	86,058	88,247
1928	103,860	96,768	108,437	117,758	156,020	182,016	167,760	142,687	110,084	104,702	87,522	92,594
Receipts (5 markets):												
1926	46,809	46,809	54,646	53,900	64,653	89,993	81,053	59,840	52,985	45,280	40,588	42,825
1927	44,759	45,602	53,633	57,298	75,535	89,773	79,070	68,056	50,055	45,425	39,895	39,978
1928	50,095	47,797	54,300	52,158	63,582	81,318	75,901	64,531	52,481	48,907	42,796	43,092
CHEESE												
Production, American:												
1926	19,519	19,084	25,216	20,221	38,598	46,320	40,164	33,239	28,800	23,104	16,386	15,205
1927	16,600	17,085	21,318	24,533	34,704	41,489	38,195	31,944	25,783	23,012	16,717	10,357
1928	17,806	18,784	23,190	27,780	36,794	44,482	30,543	33,788	29,989	24,771	17,727	10,189
Receipts (5 markets):												
1926	14,853	13,598	15,055	15,531	14,972	21,777	21,973	20,736	18,784	18,609	15,054	15,986
1927	12,707	14,016	14,956	16,922	21,301	22,134	24,134	22,556	21,522	18,990	14,278	13,820
1928	14,409	13,715	14,654	15,139	16,263	19,120	21,741	18,728	18,222	18,665	14,179	11,692

No. 627.—BUTTER AND CHEESE PRICES

NOTE.—Prices in cents per pound. Farm price represents weighted average of farm-made butter for entire country. Wholesale prices are for 92-score creamery butter and for American No. 1 cheese

Year	Butter, farm price		Wholesale, New York, annual averages		Month	Butter, farm price		Wholesale, New York					
	June 15	Dec. 15	Butter	Cheese		Butter		Cheese		1925	1926	1927	1928
						Aver. age, 1913-1924	1925	Aver. age, 1913-1924	1925				
1915	24.5	28.0	30	15	Average	37.3	43.7	43	47	22	25		
1916	26.1	34.2	34	19	January	39.5	45.2	40	49	23	27		
1917	34.2	42.5	43	24	February	37.9	43.9	44	47	22	24		
1918	38.4	53.8	51	27	March	37.1	43.9	44	49	22	23		
1919	48.2	60.6	61	32	April	36.8	44.0	43	45	21	23		
1920	52.6	51.8	61	20	May	35.6	42.9	39	44	20	25		
1921	29.2	40.7	43	21	June	34.0	42.2	38	45	21	26		
1922	33.1	42.9	41	20	July	34.1	42.4	38	45	21	26		
1923	37.9	45.8	47	25	August	35.2	42.8	39	47	21	26		
1924	36.3	41.8	43	20	September	36.8	44.3	42	49	22	27		
1925	38.2	46.0	45	24	October	38.7	45.2	45	48	23	27		
1926	39.5	45.5	44	23	November	40.5	45.6	48	51	23	26		
1927	40.4	46.7	47	25	December	41.7	46.3	49	50	24	26		
1928	42.2	46.3	47	25									

11-month average. 7-month average. 11-year average. 10-year average.

Source of Tables 600 and 600: Bureau of Agricultural Economics, Department of Agriculture.

No. 628.—OLEOMARGARINE: PRODUCTION AND MATERIALS USED

NOTE.—All figures in thousands of pounds. Figures for production by kind of oil used are as reported to the Bureau of Agricultural Economics, Department of Agriculture, while other production figures are as reported to the Commissioner of Internal Revenue for taxation purposes. Colored oleomargarine is taxed 10 cents per pound; uncolored, $\frac{1}{4}$ cent per pound

Year ended June 30—	Oleomargarine production			District or material	Year ended June 30—			
	Total	Colored	Un-colored		1925	1926	1927	1928
1910.....	141,862	6,177	135,685	PRODUCTION				
1911.....	121,103	5,831	115,272	BY STATES				
1912.....	128,001	6,236	121,765	California.....	18,580	23,597	21,956	20,072
1913.....	145,228	6,520	138,708	Illinois.....	107,903	116,555	125,528	140,882
1914.....	144,021	6,384	137,637	Indiana.....	3,225	3,375	3,731	3,482
1915.....	145,810	7,595	138,215	Kansas.....	13,021	18,091	10,405	20,482
1916.....	152,510	6,749	145,761	Maryland.....	3,801	4,772	5,860	7,234
1917.....	233,170	8,012	225,158	Massachusetts.....	3,051	3,144	2,723	3,100
1918.....	320,529	6,595	313,934	Michigan.....	730	650	666	825
1919.....	350,217	13,840	336,377	Minnesota.....	2,581	3,323	3,138	1,840
1920.....	391,283	15,624	375,659	Missouri.....	9,365	11,022	11,593	11,848
1921.....	281,082	11,601	269,481	Nebraska.....	1,590	2,288	2,419	2,057
1922.....	190,950	6,604	184,346	New Jersey.....	19,761	22,096	21,271	28,673
1923.....	209,182	8,260	200,922	New York.....	3,206	3,290	738	.....
1924.....	239,699	11,548	228,151	Ohio.....	16,665	18,475	19,341	25,450
1925.....	215,403	11,280	204,123	Oregon.....	1,284	2,190	2,358	2,900
1926.....	248,047	13,181	234,866	Rhode Island.....	1,375	1,194	935	828
1927.....	257,157	14,502	242,655	Texas.....	1,083	2,408	2,862	3,025
1928.....	204,699	15,351	189,348	Wisconsin.....	4,282	6,397	9,353	9,051
1927 ¹				All other.....	2,220	3,202	3,300	3,332
Total.....	272,802	14,555	258,247	MATERIAL				
Combined animal and vegetable oil.....	118,979	9,508	109,471	CONSUMED				
Exclusively vegetable oil.....	153,823	5,047	148,576	Total.....	268,234	307,460	318,085	361,069
1928 ¹				Oleo oil.....	44,102	47,418	48,741	45,477
Total.....	307,035	15,414	292,521	Coconut oil.....	79,440	98,307	107,594	141,000
Combined animal and vegetable oil.....	111,621	9,889	101,732	Cottonseed oil.....	20,906	25,608	23,372	24,801
Exclusively vegetable oil.....	196,314	5,525	190,789	Milk.....	61,924	72,662	73,700	83,115
				Peanut oil.....	4,392	5,257	4,872	5,459
				Salt.....	18,725	20,593	21,683	25,024
				Oleostearine.....	5,250	5,314	5,145	5,532
				Neutral lard.....	25,674	25,172	24,872	25,036
				Oleo stock.....	3,183	3,082	2,552	1,738
				Butter.....	1,509	2,390	2,070	2,484
				Miscellaneous.....	1,060	1,717	1,514	1,403

¹ Calendar year.

Source: Commissioner of Internal Revenue, Treasury Department, and Bureau of Agricultural Economics, Department of Agriculture.

No. 629.—POULTRY ON FARMS: NUMBER AND VALUE

NOTE.—The farms reporting fowls constituted 87.8 per cent of all farms in 1910, 90.8 per cent in 1920, while farms reporting chickens formed 90.5 per cent of all farms in 1920 and 86.4 per cent in 1925. There were 337 fowls per 1,000 acres of land in farms in 1910 and 390 in 1920

Item	Number of fowls (thousands)					Value (thousands of dollars)		
	1890	1900	1910	1920	1925	1910	1920	1925
Poultry, total ¹	285,609	250,624	295,880	372,825	(²)	154,663	373,384	(²)
Chickens.....	258,871	233,566	280,341	359,537	409,291	140,193	340,509	379,011
Turkeys.....	10,754	6,595	3,689	3,627	(²)	6,000	12,905	(²)
Ducks.....	7,544	4,786	2,907	2,818	(²)	1,567	3,374	(²)
Geese.....	8,440	5,677	4,432	2,939	(²)	3,195	5,429	(²)
Guinea fowls.....	(³)	(³)	1,705	2,410	(²)	613	1,582	(²)
Pigeons.....	(²)	(²)	2,731	1,494	(²)	762	538	(²)
Ostriches.....	(²)	1	5	(⁴)	(²)	1,696	58	(²)

¹ The 1910 totals include small numbers of peafowls, pheasants, and India jungle fowls.

² Not reported.

³ Included with chickens.

⁴ Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 630.—CHICKENS ON FARMS, CHICKENS RAISED, AND EGGS PRODUCED

NOTE.—For additional figures for United States as a whole, see Table 621

Division and State	Chickens on hand (thousands)			Chickens raised (thousands) ¹			Eggs produced (thousands of dozens) ¹		
	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1909	1919	1924	1909	1919	1924
United States.....	280,341	359,687	409,291	460,011	473,201	545,848	1,674,979	1,654,045	1,913,945
New England.....	6,840	5,804	6,138	10,757	8,376	13,439	54,669	37,682	56,540
Maine.....	1,705	1,403	1,000	2,555	1,908	2,838	14,876	9,977	13,613
New Hampshire.....	903	771	1,207	1,363	1,071	2,442	7,469	5,005	8,181
Vermont.....	912	800	941	1,247	1,016	1,339	7,002	5,167	6,372
Massachusetts.....	1,710	1,455	2,030	3,055	2,401	3,631	13,961	9,004	14,325
Rhode Island.....	393	254	361	570	434	519	2,862	1,537	2,275
Connecticut.....	1,218	1,120	1,699	1,968	1,546	2,670	8,498	6,341	11,775
Middle Atlantic.....	24,449	27,452	34,828	34,071	31,059	39,779	159,465	151,453	216,532
New York.....	10,232	10,416	15,409	13,394	11,873	14,941	71,191	62,175	87,167
New Jersey.....	2,320	2,534	4,114	4,329	3,523	5,492	14,691	13,280	27,417
Pennsylvania.....	11,896	14,503	17,306	16,348	15,664	19,346	73,083	75,998	102,408
East North Central.....	60,471	84,516	80,623	98,896	99,252	113,867	389,227	400,445	441,682
Ohio.....	16,850	20,233	20,927	22,777	22,458	26,937	100,284	102,377	112,808
Indiana.....	13,216	16,754	17,855	22,099	22,018	25,257	80,029	83,101	86,976
Illinois.....	20,504	25,121	25,738	31,059	29,804	32,204	99,118	105,768	113,021
Michigan.....	9,698	10,914	12,870	12,530	12,442	15,276	59,550	55,987	68,209
Wisconsin.....	9,143	11,495	13,023	10,431	11,840	14,194	50,269	53,222	60,584
West North Central.....	65,192	105,348	123,101	118,998	126,763	158,864	442,198	474,592	543,558
Minnesota.....	10,204	13,213	16,408	11,412	15,092	20,352	53,324	60,250	76,322
Iowa.....	22,602	27,747	30,275	28,970	31,076	38,135	108,063	120,697	133,776
Missouri.....	19,010	24,884	28,222	30,413	29,369	34,590	110,822	117,204	120,201
North Dakota.....	3,095	4,329	5,151	3,829	5,324	5,722	17,009	20,820	20,985
South Dakota.....	4,924	6,642	7,903	5,893	7,633	10,607	24,641	30,552	35,104
Nebraska.....	9,011	11,615	13,500	14,724	15,797	20,010	49,461	49,133	54,811
Kansas.....	15,266	16,919	21,600	23,840	22,603	29,391	81,088	76,137	93,267
South Atlantic.....	25,627	36,408	41,120	65,059	65,374	69,752	134,290	144,662	153,799
Delaware.....	786	949	1,365	1,401	1,205	1,582	4,395	3,908	6,381
Maryland.....	2,651	3,438	4,198	5,420	5,268	6,025	15,239	15,086	20,069
District of Columbia.....	7	10	16	14	14	10	51	43	69
Virginia.....	5,685	7,860	9,221	15,183	14,227	15,892	34,539	36,551	39,044
West Virginia.....	3,107	4,028	4,340	5,205	4,873	5,305	18,948	21,708	22,125
North Carolina.....	4,566	7,393	8,558	13,766	14,047	15,067	23,179	24,841	26,587
South Carolina.....	2,695	3,954	4,238	8,062	9,016	7,330	10,983	12,812	11,109
Georgia.....	4,800	7,222	7,043	13,706	14,588	12,284	20,806	23,182	19,838
Florida.....	1,240	1,655	2,130	2,301	2,146	2,706	6,340	6,531	9,577
East South Central.....	24,495	34,092	34,969	55,684	51,071	51,103	127,809	138,152	113,735
Kentucky.....	8,000	10,478	11,036	17,573	15,507	16,445	43,782	42,225	37,045
Tennessee.....	7,341	11,354	11,801	15,865	15,564	16,148	41,244	48,707	41,039
Alabama.....	4,590	5,918	6,284	11,383	10,180	9,627	21,940	23,437	19,467
Mississippi.....	4,563	6,342	5,788	10,863	9,830	8,922	20,337	23,783	10,185
West South Central.....	29,176	39,919	43,835	64,701	57,329	60,998	163,644	157,008	160,425
Arkansas.....	5,183	6,955	7,184	9,674	9,111	9,870	26,487	28,168	23,923
Louisiana.....	3,269	3,764	3,907	5,830	5,571	5,434	14,423	13,136	10,472
Oklahoma.....	8,015	11,137	13,023	15,327	16,817	19,670	45,357	45,440	51,477
Texas.....	12,720	18,063	19,741	23,860	25,830	26,025	77,378	70,264	74,552
Mountain.....	5,497	9,524	12,299	8,432	13,037	15,537	36,233	49,093	58,278
Montana.....	923	2,055	2,545	1,367	3,227	3,067	5,950	11,858	13,403
Idaho.....	1,012	1,055	2,029	1,589	2,250	2,540	6,434	8,005	11,708
Wyoming.....	325	621	809	495	894	1,121	2,071	3,160	4,337
Colorado.....	1,044	2,875	3,752	2,585	3,881	5,005	10,678	14,172	18,561
New Mexico.....	510	714	937	894	921	1,123	2,901	3,063	4,075
Arizona.....	253	495	630	374	569	755	1,732	2,525	3,741
Utah.....	674	955	1,367	947	1,107	1,444	4,045	5,709	9,017
Nevada.....	127	155	225	181	188	280	863	805	1,430
Pacific.....	9,823	16,474	21,377	14,014	20,939	25,507	68,944	100,106	160,595
Washington.....	2,204	3,548	5,363	3,011	4,860	7,059	16,374	21,357	42,030
Oregon.....	1,753	2,500	3,229	2,555	3,150	4,066	11,835	14,626	20,658
California.....	5,866	10,427	12,785	7,849	12,020	14,383	40,785	64,124	97,907

¹Including estimates for incomplete reports.²The figures for 1910 are exclusive of 4,171 pheasants and 3 India jungle fowls, which were included with chickens in the 1910 census report.

Source: Bureau of the Census, Department of Commerce.

No. 631.—POULTRY: FARM PRICES AND RECEIPTS AT PRINCIPAL MARKETS.

[Prices in cents per pound; receipts in thousands of pounds]

	1914-1920, average	1921	1922	1923	1924	1925	1926	1927	1928
Chickens, average farm price.....	18.0	19.1	19.0	19.2	20.3	21.9	20.3	21.2	21.2
Turkeys, average farm price, Nov. 15.....	22.0	20.5	27.9	24.2	28.3	20.8	30.8	31.2	31.2
Dressed poultry, receipts:									
Boston.....		44,563	56,013	61,204	46,720	53,162	53,305	55,533	
New York.....		138,212	163,048	179,362	170,257	162,895	188,117	194,376	
Philadelphia.....		21,319	24,611	27,040	29,295	32,126	31,822	31,844	
Chicago.....		73,661	90,273	88,464	72,086	77,632	63,735	67,180	

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Chickens, average farm price:												
1927.....	20.1	21.1	21.3	21.8	21.7	20.2	19.9	19.7	19.4	19.7	19.4	10.2
1928.....	19.0	20.1	20.1	20.8	21.5	21.5	21.9	21.0	22.3	22.0	21.5	21.2
Receipts of poultry, 1927:												
Boston.....	4,318	3,610	2,440	2,398	3,653	3,455	2,900	3,612	3,404	4,068	8,511	10,245
New York.....	12,954	8,967	8,722	7,770	11,633	13,635	12,168	14,599	15,470	17,682	31,740	32,707
Philadelphia.....	2,885	2,006	2,005	1,769	1,995	1,068	1,398	1,918	2,530	2,613	4,432	6,003
Chicago.....	6,405	3,546	2,195	1,835	2,872	2,257	1,227	2,257	2,531	3,752	15,739	19,020
Receipts of poultry, 1928:												
Boston.....	4,591	3,766	4,137	2,877	3,285	3,290	3,899	3,468	3,555	4,680	7,716	10,320
New York.....	14,099	11,064	9,322	9,703	10,628	11,127	13,252	13,850	14,332	21,709	31,846	32,454
Philadelphia.....	2,373	1,601	1,835	1,359	1,538	2,177	1,931	1,763	2,007	2,965	4,025	7,210
Chicago.....	6,630	3,591	2,216	1,876	2,137	1,977	2,771	2,820	3,580	5,719	15,301	18,544

No. 632.—EGGS: PRICES, RECEIPTS AT PRINCIPAL MARKETS, AND STORAGE

[Prices in cents per dozen; receipts and storage in thousands of cases]

	1910-1914, average	1921-1925, average	1926	1927	1928	1924	1926	1927	1928
Average farm price.....	22	31	31	28	27				
Wholesale prices:									
Western firsts, Boston.....	25	37	36	32	35				
Fresh firsts, New York.....	25	37	36	32	33				
Western extra firsts, Philadelphia.....	26	40	39	36	38				
Fresh firsts, Chicago.....	22	34	34	30	32				
Fresh extras, San Francisco.....	32	41	36	32	33				
Average export value.....	22	29	29	27	30				
Receipts:									
Boston.....						1,820	1,808	1,960	1,757
New York.....						6,543	6,818	7,048	7,288
Philadelphia.....						1,595	1,506	1,549	1,735
Chicago.....						4,079	4,575	4,901	4,601
San Francisco.....						760	744	750	756
Total cold-storage holdings:									
July 31.....						9,267	9,845	10,746	10,406
Dec. 31.....						1,050	1,006	882	1,416

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average farm price:												
1926.....	36	29	24	25	25	26	26	26	32	37	45	48
1927.....	37	29	21	20	20	18	21	23	29	36	42	43
1928.....	38	29	23	23	24	24	26	27	31	35	40	43
Wholesale price, fresh firsts, New York:												
1927.....	42	32	25	26	23	23	25	28	34	40	44	46
1928.....	45	32	29	28	30	29	30	31	33	32	37	37
Receipts, 1927:												
Boston.....	120	153	245	307	270	234	155	128	109	92	65	82
New York.....	468	542	803	1,094	1,038	716	521	441	380	355	319	315
Philadelphia.....	96	100	183	244	211	158	119	114	117	60	68	69
Chicago.....	243	320	628	1,002	935	594	363	255	231	127	101	96
San Francisco.....	54	57	78	83	60	65	68	66	54	50	50	56
Receipts, 1928:												
Boston.....	102	145	229	211	258	200	158	112	90	66	78	72
New York.....	412	613	931	1,052	1,080	767	501	494	407	392	298	272
Philadelphia.....	97	133	176	210	246	175	108	117	140	103	75	96
Chicago.....	200	366	592	813	840	562	356	284	241	150	76	113
San Francisco.....	52	63	106	75	61	59	61	69	54	52	49	55

Source of Tables 631 and 632: Bureau of Agricultural Economics, Department of Agriculture.

No. 633.—COLD-STORAGE HOLDINGS OF ANIMAL PRODUCTS AND FROZEN FISH

NOTE.—All figures are in thousands of pounds, except cases of eggs and total meats, which are in thousands of cases and millions of pounds, respectively. Holdings are as of 1st of each month. Beef and pork figures include frozen, cured, and in process of cure

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Creamery butter:												
1924.....	30,209	15,246	9,847	7,842	8,913	22,348	74,184	134,118	156,440	153,484	135,018	100,832
1925.....	65,694	45,748	28,789	10,375	3,739	13,030	63,687	109,075	128,403	114,172	94,910	74,754
1926.....	52,785	39,381	26,313	17,392	17,627	30,561	86,897	131,152	138,151	125,542	100,871	64,381
1927.....	34,347	17,952	7,952	3,044	3,430	25,404	89,900	145,147	163,701	147,399	118,679	83,224
1928.....	46,289	28,273	14,404	5,716	5,109	15,952	69,750	120,437	136,175	128,071	105,811	70,985
American cheese:												
1924.....	40,566	40,500	35,100	28,204	26,202	27,172	45,230	65,804	76,406	73,163	67,905	58,705
1925.....	49,187	41,562	34,047	27,716	26,147	29,550	46,408	66,634	70,512	78,592	71,013	66,496
1926.....	58,457	50,339	42,687	38,041	35,507	39,340	54,000	73,681	81,267	77,040	72,491	63,881
1927.....	54,590	46,020	30,382	36,193	32,487	35,820	49,990	67,091	69,749	65,453	59,035	53,447
1928.....	47,765	41,793	30,710	31,887	30,207	36,716	53,646	73,088	83,006	81,833	82,318	74,325
All varieties of cheese:												
1924.....	67,221	57,232	50,388	42,413	40,235	42,644	61,755	84,073	95,211	91,282	88,043	77,504
1925.....	67,568	58,461	50,117	40,480	39,037	42,888	61,902	83,568	95,472	97,777	90,860	84,561
1926.....	70,649	67,531	58,175	51,285	47,450	52,167	68,771	90,053	98,473	95,355	89,785	81,084
1927.....	72,055	62,130	54,072	47,840	45,616	50,894	67,216	87,937	90,204	85,131	77,003	70,735
1928.....	64,035	55,862	48,784	43,303	41,791	48,090	68,613	89,708	101,498	98,359	97,421	89,970
Cases of eggs:												
1924.....	1,627	500	44	579	3,563	6,875	8,685	9,267	8,778	7,409	5,267	3,102
1925.....	1,050	81	21	1,240	4,872	7,712	9,482	10,024	9,873	8,612	6,322	3,786
1926.....	1,683	578	77	872	3,735	7,230	9,133	9,846	9,573	8,048	5,888	3,215
1927.....	1,090	253	92	1,868	5,501	8,962	10,565	10,746	9,600	7,960	5,485	2,956
1928.....	882	20	60	1,087	4,515	8,168	10,002	10,490	9,944	8,255	6,247	3,542
Frozen eggs:												
1924.....	32,087	27,082	23,106	20,736	23,707	29,950	33,565	35,184	34,128	31,096	26,693	22,100
1925.....	21,303	16,292	11,364	11,369	10,570	20,544	38,379	42,556	47,009	44,299	34,314	39,336
1926.....	33,905	29,250	24,167	21,849	25,730	34,815	45,988	51,810	52,634	51,062	44,969	38,020
1927.....	33,593	31,207	26,053	23,272	22,053	31,605	51,263	51,418	77,508	71,208	62,069	54,703
1928.....	47,020	38,575	31,362	34,411	51,532	67,941	77,744	81,670	89,190	82,255	73,327	64,201
Frozen poultry:												
1924.....	93,434	99,480	93,497	76,007	62,068	30,290	34,880	33,604	33,837	40,070	55,139	87,939
1925.....	133,990	138,189	130,513	108,008	82,732	68,120	58,562	53,568	47,940	44,346	35,787	36,733
1926.....	111,501	108,512	95,397	73,124	62,783	42,803	36,730	35,793	38,694	44,771	64,842	106,854
1927.....	144,497	145,070	129,610	104,697	77,282	61,525	50,094	45,293	39,711	43,201	52,515	85,030
1928.....	117,490	118,154	103,494	83,169	66,832	43,872	38,230	40,395	40,740	43,578	35,030	79,173
Beef:												
1924.....	105,577	102,655	100,077	93,274	78,423	66,060	59,418	49,812	48,006	47,538	67,244	100,239
1925.....	142,964	140,705	130,808	116,318	96,223	74,018	61,554	49,674	45,214	40,719	47,481	73,904
1926.....	84,990	80,538	77,090	70,781	69,978	52,579	43,688	46,045	41,697	40,250	61,198	86,977
1927.....	100,873	95,254	88,020	77,159	62,928	50,413	43,756	35,722	33,446	35,878	43,916	65,345
1928.....	70,947	71,651	63,749	57,256	46,194	37,212	32,233	32,442	31,066	37,253	53,030	79,633
Pork:												
1924.....	708,869	800,800	878,080	932,408	908,332	801,109	872,638	810,585	710,871	565,178	407,731	427,520
1925.....	647,364	778,702	865,355	829,567	814,180	748,418	738,955	669,536	553,739	407,378	392,005	388,027
1926.....	472,219	556,042	609,847	626,594	608,798	574,472	602,176	642,375	623,036	514,351	405,623	358,228
1927.....	472,757	589,971	671,674	738,446	770,212	787,850	845,276	841,271	706,418	608,767	467,119	419,822
1928.....	523,425	555,938	585,916	607,737	600,672	619,366	615,360	619,185	632,015	515,087	433,160	461,762
All meats:												
1924.....	900	988	1,063	1,108	1,004	1,028	1,005	931	826	672	586	598
1925.....	880	1,020	1,100	1,042	1,000	905	878	790	695	502	480	511
1926.....	610	690	746	753	714	677	709	726	619	522	531	511
1927.....	642	751	829	879	894	900	905	945	897	705	603	541
1928.....	666	706	1,025	1,133	1,079	1,023	1,013	917	772	694	648	607
Lard:												
1924.....	40,340	54,130	69,610	85,722	102,317	127,949	152,520	149,672	124,676	84,198	31,700	35,713
1925.....	61,049	112,704	151,927	159,182	151,499	138,295	145,510	145,924	114,724	71,626	37,255	35,710
1926.....	42,478	64,187	76,145	93,108	98,305	100,824	120,527	138,872	151,238	105,559	72,355	64,744
1927.....	49,902	69,570	77,103	92,069	99,011	111,076	147,918	179,330	167,018	118,174	72,121	64,154
1928.....	54,855	84,007	121,982	164,606	173,088	180,073	214,479	209,939	177,888	120,800	83,474	67,257
Frozen fish:												
1924.....	52,627	40,421	29,571	21,489	21,840	27,115	30,036	49,026	56,607	67,025	70,400	68,320
1925.....	55,308	44,694	29,866	22,442	23,749	31,980	40,458	47,474	56,447	58,358	61,849	58,048
1926.....	48,181	37,378	24,145	16,154	21,540	31,345	45,900	57,027	64,657	70,310	75,034	69,854
1927.....	58,655	48,084	34,887	24,731	29,752	39,090	42,113	54,061	60,330	65,060	69,790	64,787
1928.....	63,021	44,877	34,528	26,473	26,513	40,946	53,140	60,170	71,352	73,410	77,677	78,090

1 Holdings of frozen fish are for the 15th of each month.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 634.—WOOL: PRICES, VALUE OF IMPORTS, AND RECEIPTS AT BOSTON

	1910-1913, average	1914-1920, average	1923	1924	1925	1926	1927	1928
Prices (cents per pound):								
Average United States farm price, unwashed, Ohio and Pennsylvania, fine clothing, unwashed, at Boston.....	18	38	39	37	38	32	31	37
Territory, fine staple scoured, at Boston.....	23	40	51	48	40	40	37	38
.....	60	127	141	141	130	116	110	110
Value of United States imports (thous. of dollars):								
Clothing ¹	15,650	140,084	11,406	8,120	10,008	5,371	6,020	8,051
Combing ¹	3,094	5,901	80,181	48,303	82,543	65,015	38,205	31,728
Carpet.....	13,540	25,380	26,304	34,175	47,233	30,103	37,470	37,047
Receipts at Boston (thousands of pounds):								
Total.....	290,150	424,336	417,008	312,015	305,019	340,031	344,548	300,023
Domestic.....	206,047	184,380	145,132	200,240	131,446	160,270	218,180	210,551
Foreign.....	84,103	239,956	271,966	111,775	174,173	177,661	126,359	90,372

¹ Owing to changes in tariff laws in 1922 much wool which was formerly brought in as "clothing" now comes in under "combing" classification.

Sources: Prices and receipts, Bureau of Agricultural Economics, Department of Agriculture; imports, Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 635.—WOOL: PRODUCTION, IMPORTS, AND EXPORTS OF THE UNITED STATES

NOTE.—All figures in thousands of pounds. Production is for calendar years, and beginning with 1900 includes pulled wool; previously included only fleeces. Exports and imports for 1839 are for the fiscal year ended Sept. 30; for yearly averages and years to and including 1915, for fiscal years ended June 30; subsequently, calendar years. Imports prior to 1915 and domestic exports beginning 1923 include hair of the camel, Angora goat, alpaca, and other like animals.

Yearly average or year	Production	Imports ¹	Exports		Yearly average or year	Production	Imports ¹	Exports	
			Domestic	Foreign				Domestic	Foreign
1839.....	35,802	7,925		110	1901.....	302,502	103,584	200	3,591
1849.....	62,517	17,869		160	1902.....	316,341	166,577	123	3,105
1859.....	60,265	24,471	1,707	41	1903.....	287,460	177,138	519	2,993
1862-1870.....	² 100,102	49,230	153	1,710	1904.....	291,733	173,743	320	2,803
1871-1880.....	187,093	68,030	152	3,080	1905.....	295,488	240,130	124	2,438
1881-1890.....	280,151	93,195	115	4,294	1906.....	298,015	201,680	192	5,450
1891-1895.....	309,409	142,319	1,077	3,637	1907.....	298,205	203,848	215	3,232
1896-1900.....	275,154	189,445	3,244	6,015	1908.....	311,138	125,981	182	5,684
1901-1905.....	298,713	174,035	257	2,908	1909.....	330,420	266,409	28	3,490
1906-1910.....	312,020	212,371	133	4,374	1910.....	321,363	263,028	48	4,008
1911-1915.....	298,937	215,354	1,714	4,502	1911.....	318,548	137,048		8,206
1916-1920.....	290,018	309,980	3,568	4,276	1912.....	304,043	103,401		1,720
1921-1925.....	277,455	334,158	699	12,779	1913.....	296,175	195,203	77	4,432
1885.....	308,000	70,596	88	3,115	1914.....	290,192	247,049	335	1,205
1886.....	302,000	129,085	2,138	6,534	1915.....	285,726	302,782	8,168	7,247
1887.....	285,000	114,038	6,268	6,728	1916.....	288,400	442,050	3,019	2,128
1888.....	290,000	113,559	22	4,360	1917.....	281,892	410,137	1,827	1,272
1889.....	205,000	120,488	142	3,203	1918.....	298,870	447,426	407	462
1890.....	269,827	105,431	231	3,288	1919.....	298,258	498,782	2,840	5,134
1891.....	285,000	129,304	292	2,638	1920.....	287,070	254,905	8,845	12,303
1892.....	294,000	148,071	202	3,008	1921.....	283,629	316,005	1,027	1,552
1893.....	348,538	172,434	92	4,219	1922.....	293,713	300,538	453	4,225
1894.....	328,211	65,153	520	5,977	1923.....	268,196	388,345	535	23,557
1895.....	294,297	206,034	4,279	2,343	1924.....	270,375	262,655	300	27,476
1896.....	272,475	230,911	6,946	6,026	1925.....	292,302	330,645	273	7,087
1897.....	259,153	350,852	5,272	3,428	1926.....	311,576	200,451	202	14,074
1898.....	265,721	132,795	121	2,505	1927.....	332,014	264,507	323	10,711
1899.....	272,191	76,736	1,683	12,413	1928.....	351,013	240,800	485	4,435
1900.....	305,231	155,928	2,200	5,702					

¹ For 1850, 1862 to 1868, inclusive, and 1872, includes estimates for quantity of wool on pelts imported.

² One year only, 1870.

Source: Production, 1830, 1840, 1850, and 1870, Bureau of the Census; other years, reports of the Department of Agriculture; imports and exports, Bureau of Foreign and Domestic Commerce.

No. 636.—WOOL: ESTIMATED PRODUCTION AND WEIGHT PER FLEECE

NOTE.—Only States with a production in 1928 of 2,500,000 pounds of wool are shown separately. The divisions shown include the States comprising the following divisions: North Atlantic, the New England and Middle Atlantic; North Central, the East North Central and West North Central; South Central, the East South Central and West South Central; Far Western, the Mountain and Pacific

Division and State	Production in thousands of pounds						Average weight per fleece ¹ (pounds) 1928
	1923	1924	1925	1926	1927	1928	
United States.....	225,696	235,675	245,602	260,976	281,914	299,113	7.8
North Atlantic.....	6,691	6,489	6,735	6,981	6,777	7,002	7.2
New York.....	2,599	2,708	2,898	3,081	2,956	2,966	7.2
Pennsylvania.....	2,990	2,766	2,805	2,805	2,730	2,948	7.5
North Central.....	51,106	52,925	55,410	58,215	63,845	66,208	7.9
Ohio.....	13,699	14,107	14,467	14,700	15,662	15,826	8.2
Indiana.....	3,380	3,301	3,562	3,715	4,088	4,307	7.3
Illinois.....	2,978	3,334	3,419	3,048	4,162	3,724	7.6
Michigan.....	6,478	6,880	7,416	7,920	8,272	8,520	8.0
Wisconsin.....	2,181	2,109	2,250	2,508	2,774	2,808	7.8
Minnesota.....	2,645	2,886	3,151	3,634	4,211	4,661	7.9
Iowa.....	5,242	5,360	5,360	5,440	5,806	5,960	8.0
Missouri.....	5,896	5,236	5,208	5,250	5,623	5,962	7.2
North Dakota.....	1,440	1,863	2,203	2,772	3,469	3,984	8.3
South Dakota.....	4,466	4,312	4,446	4,714	5,160	5,044	8.3
South Atlantic.....	4,952	4,690	4,804	5,057	5,375	5,797	6.1
West Virginia.....	2,301	2,236	2,272	2,311	2,457	2,684	5.4
South Central.....	25,514	30,229	30,898	33,049	39,165	42,332	7.4
Kentucky.....	2,889	2,880	3,125	3,278	3,845	4,051	4.7
Texas.....	19,699	24,806	25,280	27,297	32,725	35,591	8.4
Far Western.....	137,653	141,242	147,715	157,674	166,952	177,774	8.0
Montana.....	18,751	19,522	20,040	23,320	24,166	25,629	8.0
Idaho.....	14,953	14,450	14,309	14,607	15,840	17,885	8.2
Wyoming.....	18,203	19,060	21,392	22,338	25,317	26,488	8.8
Colorado.....	6,480	6,480	6,802	7,740	8,118	8,831	7.6
New Mexico.....	10,047	11,224	11,094	12,000	12,000	12,400	5.8
Arizona.....	7,202	6,448	6,488	6,758	6,240	5,760	6.0
Utah.....	17,168	17,070	18,010	19,430	19,375	22,072	8.9
Nevada.....	8,413	7,597	7,560	8,730	8,015	8,580	7.5
Washington.....	4,027	4,365	4,560	4,194	4,763	5,000	10.0
Oregon.....	14,700	15,840	16,658	18,321	18,128	20,352	9.2
California.....	17,124	18,250	19,012	20,276	23,800	23,800	6.8
Pulled wool ²	42,500	43,800	46,800	49,600	50,100	51,900	-----

¹ In States where sheep are shorn twice a year this figure covers wool per head of sheep shorn and not weight per fleece.

² Estimated from returns of plants pulling from 80 to 90 per cent of all wool.

No. 637.—WOOL CONSUMED IN MANUFACTURES: 1924 TO 1928

NOTE.—All figures in thousands of pounds. These figures do not include the consumption of one large and several small concerns. The grease equivalent of the totals shown below is as follows: 1924, 537,760,000 pounds; 1925, 526,285,243; 1926, 510,032,772; 1927, 551,528,062; 1928, 538,354,229

Class and grade	Total					1928		
	1924	1925	1926	1927	1928	Grease	Scoured	Pulled
Total.....	460,402	450,021	438,358	477,118	465,018	371,423	63,207	30,388
Domestic.....	230,323	213,134	200,662	257,104	271,215	203,759	47,064	20,392
Foreign.....	230,079	236,887	237,694	220,014	193,803	167,664	16,143	9,996
Combing:								
Domestic.....	164,611	147,837	139,142	186,815	200,152	185,042	5,607	6,503
Foreign.....	85,740	90,026	105,843	80,480	48,859	44,585	3,328	940
Clothing:								
Domestic.....	65,712	65,297	61,520	70,289	71,063	13,717	41,457	10,889
Foreign.....	20,835	15,062	12,823	10,616	9,117	1,641	6,734	742
Clothing and combing combined:								
Fine.....	109,004	102,745	102,754	120,153	118,099	101,774	12,269	4,056
One-half blood.....	67,440	54,117	51,841	59,269	61,535	45,627	10,412	5,496
Three-eighths blood.....	68,438	60,017	67,560	67,322	63,018	42,054	14,129	6,885
One-fourth blood.....	77,955	72,843	69,150	67,047	61,273	41,415	15,511	4,847
Low or Lincoln.....	24,091	22,480	28,523	39,509	25,266	19,115	4,805	1,846
Carpet.....	123,504	131,810	119,028	128,918	135,827	121,438	6,081	8,308

Sources: Table 636, Bureau of Agricultural Economics, Department of Agriculture; Table 637, Bureau of the Census, Department of Commerce.

No. 638.—ANIMAL FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

NOTE.—Only major materials and products are shown. The figures for products in some cases include and in other cases exclude data for the specified commodities made as secondary products by establishments classified in other industries; and in the cases of certain commodities the data for these secondary products are included beginning in 1925 but not for 1914. No data for establishments having products under \$5,000 in value are included beginning 1925; this change has little effect on comparability with 1914.

Industry, material, and product	Quantity (thousands of units specified)			Cost or value (thousands of dollars)			
	Unit	1914	1925	1927	1914	1925	1927
BUTTER, CHEESE, AND CONDENSED MILK							
Materials used, total cost					315, 026	847, 006	884, 845
Milk.....	Pounds	8, 431, 426	(1)	(1)	114, 208	(1)	(1)
Cream.....	do	2, 384, 035	(1)	(1)	160, 034	(1)	(1)
Skimmed milk.....	do	625, 041	(1)	(1)	904	(1)	(1)
All other.....					38, 800	(1)	(1)
All products, total value					364, 285	970, 263	1, 069, 832
Butter.....	Pounds	769, 810	1, 455, 025	1, 504, 227	218, 021	630, 749	695, 025
Cheese, total	do	370, 279	545, 822	518, 198	50, 377	112, 819	110, 182
Cheese, other than cottage, pot, and bakers'.....	do	332, 691	494, 773	440, 444	47, 433	108, 587	104, 220
Cheese, cottage, pot, and bakers'.....	do	37, 588	51, 050	68, 754	2, 944	4, 232	5, 962
Condensed and evaporated milk, total	do	873, 411	1, 813, 843	2, 097, 900	58, 747	145, 804	167, 850
Condensed, sweetened.....	do	267, 870	430, 008	378, 087	21, 585	38, 745	34, 251
Condensed, unsweetened.....	do	331, 893			10, 028		
Evaporated.....	do	273, 048	1, 383, 145	1, 718, 013	17, 234	109, 550	133, 599
Casein dried.....	do	18, 570	21, 978	23, 516	078	2, 290	3, 052
Powdered milk, cream, etc.....	do	20, 454	111, 032	183, 330	1, 068	11, 967	19, 737
Sugar of milk.....	do	4, 051	6, 125	5, 406	401	800	614
Other products.....					33, 793	69, 225	71, 792
SLAUGHTERING AND MEAT PACKING							
Materials used, total cost					1, 441, 663	2, 025, 192	2, 063, 740
Animals slaughtered:							
Beoves.....	Number	7, 140	10, 854	10, 725	400, 108	(1)	(1)
Calves.....	do	2, 019	5, 776	5, 477	27, 623	(1)	(1)
Sheep and lambs.....	do	15, 944	13, 616	14, 380	84, 784	(1)	(1)
Hogs.....	do	34, 442	48, 073	47, 492	607, 068	(1)	(1)
Dressed meats purchased.....		(1)	(1)	(1)	124, 335	(1)	(1)
All other materials.....		(1)	(1)	(1)	117, 715	(1)	(1)
All products, total value					1, 651, 905	3, 050, 286	3, 057, 216
Fresh meat:							
Beef.....	Pounds	3, 658, 334	5, 064, 598	5, 000, 610	421, 207	661, 193	762, 014
Veal.....	do	194, 669	575, 993	549, 685	29, 299	87, 189	98, 489
Mutton and lamb.....	do	629, 233	521, 993	547, 473	74, 676	128, 213	130, 285
Pork.....	do	1, 877, 069	2, 827, 926	3, 110, 253	220, 536	519, 469	517, 863
Edible offal and other fresh meats.....	do	280, 001	640, 291	598, 591	17, 617	59, 965	54, 983
Cured meat:							
Beef.....	do	91, 572	84, 107	102, 738	14, 305	17, 911	22, 005
Pork.....	do	2, 029, 310	3, 295, 937	3, 134, 172	393, 006	751, 804	692, 729
Canned meats and canned sausage.....	do	234, 803	118, 576	144, 198	36, 293	24, 334	27, 524
Sausage (not canned) and sausage casings, meat puddings, head cheese, scrapple, etc.....	do	546, 040	996, 278	1, 033, 885	71, 910	196, 743	203, 126
Lard.....	do	1, 119, 180	1, 672, 334	1, 794, 636	120, 414	279, 025	234, 864
Cattle hides.....	do	415, 891	621, 381	616, 714	69, 959	89, 797	99, 213
Calfskins.....	do	18, 648	56, 692	53, 511	3, 513	11, 069	11, 400
Sheep pelts.....	Number	15, 917	19, 832	8, 061	19, 624	22, 553	15, 904
All other skins.....	Pounds	(1)	1, 054	3, 242	389	101	324
Wool.....	do	26, 432	32, 235	30, 430	7, 938	23, 429	18, 478
All other products.....					153, 493	107, 982	250, 305

¹ Not reported separately.

Source: Bureau of the Census, Department of Commerce.

28.—FARM CROPS AND FOODSTUFFS

[In general, data in this section other than on foreign trade relate to continental United States, while foreign trade statistics represent the trade of the customs area (see general note, p. 462). Any exceptions are noted. For weights of the units of measurement for the principal products see Appendix, p. 850]

No. 639.—INDEX NUMBERS OF THE MASS OF CROP PRODUCTION

NOTE.—Average production of 1910-1914 equals 100. Production of wheat, corn, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton for each crop each year is multiplied by a constant price, and the aggregate is divided by the average aggregate of base years

Period or year	Production index	Year	Production index	Year	Production index	Year	Production index
1890-1894	62	1890	77	1907	80	1918	107
1895-1899	78	1897	75	1908	94	1919	108
1900-1904	85	1898	85	1909	94	1920	117
1905-1909	94	1899	82	1910	97	1921	100
1910-1914	100	1900	81	1911	91	1922	110
1915-1919	108	1901	74	1912	110	1923	110
1920-1925	110	1902	91	1913	95	1924	111
1892	62	1903	84	1914	107	1925	112
1893	61	1904	92	1915	116	1926	114
1894	62	1905	94	1916	100	1927	115
1895	71	1906	90	1917	108	1928	120

No. 640.—INDEX NUMBERS OF CROP YIELDS

NOTE.—Index numbers each year are relative to the average yield for the 10 preceding years; data for the several States are weighted according to crop values in 1919

Year	United States	North Atlantic	North Central	South Atlantic	South Central	Western
1912	107.7	106.8	(1)	103.0	105.8	102.9
1913	93.3	95.5	90.7	103.5	92.3	95.1
1914	102.3	100.3	99.4	105.1	103.1	102.6
1915	108.0	98.9	114.4	99.6	103.8	102.1
1916	95.1	108.9	92.6	102.9	88.0	97.7
1917	102.0	104.6	107.3	100.7	93.0	91.2
1918	97.6	101.2	103.6	100.3	83.6	85.3
1919	99.8	104.8	100.4	93.1	105.5	88.5
1920	106.9	107.9	109.8	100.4	107.4	96.9
1921	91.7	90.3	92.9	80.8	92.9	98.3
1922	99.7	104.1	103.0	84.4	89.9	95.5
1923	96.1	100.3	101.0	90.6	82.8	106.8
1924	98.1	107.3	102.7	88.4	97.6	86.2
1925	99.6	104.3	97.8	91.0	92.4	103.9
1926	104.6	105.1	91.9	108.4	121.5	103.2
1927	102.5	102.3	101.7	98.3	99.3	111.6
1928	103.5	102.1	106.1	97.2	99.1	109.7

¹The weighted index for the North Central as a whole is not available, but indexes for the two divisions which comprise the North Central are: East North Central, 106.1, West North Central, 117.3

No. 641.—AVERAGE VALUE PER ACRE OF 10 LEADING CROPS COMBINED

NOTE.—Corn, wheat, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton. These comprise nearly 90 per cent of the area in all field crops, and their average value closely approximates the value per acre of the aggregate of all crops. The value is based on average farm price of Dec. 1

Period	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre
1800-1870	\$14.70	1893	\$9.50	1905	\$13.28	1917	\$33.27
1871-1875	14.05	1894	9.06	1906	13.46	1918	33.73
1876-1880	11.89	1895	8.12	1907	14.74	1919	35.74
1881-1885	11.33	1896	7.94	1908	15.32	1920	23.26
1886-1890	9.97	1897	9.07	1909	16.00	1921	14.45
1891-1895	9.71	1898	9.00	1910	15.53	1922	19.23
1896-1900	9.09	1899	9.13	1911	15.36	1923	21.52
1901-1905	12.53	1900	10.31	1912	16.00	1924	23.88
1906-1910	15.01	1901	11.43	1913	16.49	1925	21.17
1911-1915	16.31	1902	12.07	1914	16.44	1926	19.07
1916-1920	20.72	1903	12.62	1915	17.18	1927	20.92
1921-1925	20.05	1904	13.20	1916	22.58	1928	20.32

Source of Tables 639, 640, and 641: Bureau of Agricultural Economics, Department of Agriculture.

No. 642.—PRODUCTION OF PRINCIPAL AGRICULTURAL COMMODITIES

NOTE.—Blank lines indicate that data are not available. All crops are for calendar years except sugar, which is for the crop year ending July of year specified

Year	Corn <i>1,000 bushels</i>	Wheat <i>1,000 bushels</i>	Rice ¹ <i>1,000 pounds</i>	Sugar		Cotton ²		Wool <i>1,000 pounds</i>
				Beet <i>1,000 pounds</i>	Cane <i>1,000 pounds</i>	Running bales ³ <i>Thousands</i>	500-pound bales ⁴ <i>Thousands</i>	
1800			⁵ 67,234			154	73	
1810			78,805			280	178	
1820			53,292			576	335	
1830			81,852			1,026	732	
1840	⁶ 377,532	⁶ 84,823	84,253		120,851	1,035	1,348	35,802
1850	⁶ 592,071	⁶ 100,486	102,776		247,577	2,464	2,136	62,517
1855			103,000		414,725	3,006	3,221	
1860	⁶ 838,793	⁶ 173,105	180,279		230,982	3,849	3,841	60,205
1865			10,240		11,200	2,200	2,094	142,000
1870	1,004,255	235,885	54,889	7806	87,042	4,352	4,025	100,102
1875	1,321,069	292,136	83,861		142,242	4,032	4,303	181,000
1879	1,823,103	409,893	85,697	448	250,880	5,755	5,400	211,000
1880	1,717,435	408,550	111,860	2,688	178,872	0,000	0,367	240,682
1881	1,104,916	383,280	102,006		285,302	5,450	5,136	240,000
1882	1,617,025	504,185	99,985	1,120	171,070	6,050	0,833	272,000
1883	1,551,007	421,080	110,700		318,746	5,713	5,522	200,000
1884	1,705,528	512,765	109,562	1,198	302,944	5,682	5,477	300,000
1885	1,930,176	357,112	150,195	2,134	225,062	6,576	0,869	308,000
1886	1,605,441	487,218	155,670	1,344	302,754	0,565	0,315	302,000
1887	1,456,161	456,329	113,631	1,702	101,282	7,047	0,886	285,000
1888	1,987,790	415,868	124,733	572	375,004	0,938	0,924	209,000
1889	1,998,648	434,383	131,722	4,168	344,756	7,473	7,473	265,000
1890	1,400,406	378,097	136,800	4,934	301,284	8,053	8,502	269,827
1891	2,055,823	584,504	155,000	7,748	407,170	0,035	8,941	285,000
1892	1,713,688	527,987	237,647	12,004	370,580	0,700	0,068	204,000
1893	1,707,572	427,553	122,865	27,084	408,450	7,493	7,433	348,538
1894	1,339,680	516,485	100,821	45,192	610,822	0,901	10,026	325,211
1895	2,310,952	560,456	168,065	45,000	729,394	7,101	7,147	294,297
1896	2,503,484	544,193	96,886	65,452	543,036	8,533	8,516	272,475
1897	2,144,553	610,254	116,302	84,080	644,176	10,898	10,985	259,163
1898	2,261,119	772,163	130,991	90,492	708,252	11,180	11,435	260,721
1899	2,454,628	636,051	210,278	72,736	598,788	9,393	9,345	272,191
1900	2,505,148	602,708	253,139	103,458	322,548	10,102	10,123	305,231
1901	1,618,528	888,638	388,035	172,104	623,772	0,583	0,510	302,502
1902	2,619,409	724,808	319,293	309,212	728,056	10,588	10,631	310,341
1903	2,346,897	693,923	560,750	436,812	745,806	0,820	0,861	287,450
1904	2,528,632	596,911	580,005	481,208	556,140	13,451	13,438	291,783
1905	2,748,949	720,810	377,075	484,226	820,900	10,495	10,575	295,488
1906	2,897,632	756,775	495,976	625,842	781,204	12,983	13,274	298,915
1907	2,512,065	637,981	520,504	907,224	544,320	11,058	11,107	298,295
1908	2,544,957	644,656	608,060	927,256	788,480	13,086	13,242	311,138
1909	2,572,336	700,434	572,421	851,768	823,800	10,073	10,065	330,420
1910	2,880,260	635,121	680,839	1,024,938	603,452	11,508	11,609	321,363
1911	2,531,488	621,338	637,061	1,020,344	710,080	15,553	15,093	318,548
1912	3,124,746	730,267	695,959	1,199,000	721,748	13,489	13,703	304,043
1913	2,446,988	763,380	715,117	1,385,112	325,147	13,083	14,156	296,175
1914	2,672,804	891,017	656,922	1,400,802	601,075	15,000	10,135	290,192
1915	2,994,793	1,025,801	804,090	1,444,108	493,028	11,068	11,192	285,720
1916	2,566,927	636,318	1,135,937	1,748,440	277,240	11,304	11,460	288,400
1917	3,065,233	636,655	964,980	1,641,314	621,709	11,248	11,302	281,892
1918	2,592,665	921,438	1,072,307	1,530,414	491,680	11,006	12,041	298,870
1919	2,811,802	967,979	1,160,269	1,521,900	568,800	11,320	11,421	298,258
1920	3,208,534	838,027	1,440,289	1,452,902	244,250	13,271	13,440	287,070
1921	3,068,599	814,905	1,044,773	2,178,000	352,204	7,078	7,964	283,629
1922	2,906,020	867,598	1,150,139	2,641,000	655,369	0,729	0,762	263,713
1923	3,053,557	797,394	936,583	1,850,000	591,000	10,171	10,140	268,196
1924	2,309,414	864,428	902,722	1,762,000	330,000	13,639	13,628	270,375
1925	2,910,106	676,765	925,250	2,180,000	376,955	16,123	16,104	292,362
1926	2,691,531	831,351	1,159,167	1,826,000	278,023	17,755	17,977	311,576
1927	2,763,093	878,374	1,243,722	1,794,000	394,332	12,783	12,956	332,014
1928 (prel.)	2,839,959	902,749	1,163,361	2,186,000	341,580	14,297	14,478	351,013

¹ Cleaned rice for 1800 to 1903 represents commercial movement, as given by Dan Talmage's Sons Co.

² Figures for the years 1810 to 1898 include linters excluded in subsequent years.

³ Counting round as half bales.

⁴ Equivalent 500-pound bales, gross weight.

⁵ Exports.

⁶ Census figures for the previous year.

⁷ Mean annual production not exceeding quantity stated.

⁸ Louisiana only.

Sources: Cotton, 1899 to date, Bureau of the Census, Department of Commerce; other figures, Bureau of Agricultural Economics, Department of Agriculture.

No. 643.—CROP VALUES: COMPARATIVE STATEMENT SHOWING CHANGE BETWEEN 1919 AND 1924 DUE TO PRODUCTION, AND DECREASE BETWEEN 1919 AND 1924 RESULTING FROM LOWER PRICES: CENSUS STATISTICS

NOTE.—Crops not reported by quantity are omitted

[All amounts in thousands of dollars]

Crop	Value of crops ¹			Increase or decrease in crop values, 1919 to 1924 ²					
	As reported, 1919	Computed for 1924 on basis of 1919 prices	As reported, 1924	Gross change ³		Change due to production ⁴		Decrease due to lower prices ⁵	
				Amount	Per cent	Amount	Per cent	Amount	Per cent
All crops, including hay and forage.....	12,937,981		7,468,030	-5,474,952	-42				
All crops, excluding hay and forage.....	10,681,960	10,241,624	6,262,419	-4,379,537	-41	-390,332	-4	3,989,205	39
Cereals.....	6,921,227	6,000,672	3,804,372	-3,116,856	-45	-911,556	-13	2,205,300	37
Corn harvested for grain.....	3,507,797	2,727,303	1,898,569	-1,630,228	-47	-780,494	-22	858,733	31
Wheat.....	2,074,070	1,757,011	1,037,027	-1,036,452	-50	-317,068	-15	719,384	
Oats thrashed for grain.....	855,255	1,057,417	610,408	-244,758	-29	+202,161	+24	446,919	41
Barley.....	160,427	200,222	122,082	-38,340	-24	+48,795	+30	87,140	42
Rye.....	110,538	85,379	57,886	-58,652	-53	-31,159	-27	27,493	32
Buckwheat.....	19,715	18,648	12,852	-6,863	-35	-1,067	-5	5,797	31
Sorghums harvested for grain.....	60,221	73,498	52,321	-37,900	-42	-16,753	-19	21,147	29
Rice (rough).....	97,194	81,224	42,537	-54,658	-56	-15,970	-16	38,687	48
Peanuts.....	62,752	61,492	35,398	-27,444	-44	-1,250	-2	26,185	43
Flaxseed.....	20,361	124,650	66,135	+36,774	+125	+95,289	+325	58,615	47
Hay and forage, excluding corn cut for forage.....	2,306,026		1,210,611	-1,095,415	-48				
Sugar beets grown for sugar.....	66,052	77,027	55,754	-10,298	-16	+10,975	+17	21,272	28
Miscellaneous crops.....	3,215,420	3,608,144	2,067,971	-1,187,449	-36	+392,723	+12	1,560,172	43
Potatoes (Irish or white).....	639,441	770,023	223,925	-415,515	-65	+136,583	+21	552,098	71
Sweet potatoes and yams.....	124,844	50,861	53,812	-71,033	-57	-61,983	-52	6,049	10
Tobacco.....	443,705	357,812	211,733	-231,972	-52	-85,893	-19	146,080	41
Cotton.....	2,007,430	2,414,447	1,598,501	-438,929	-22	+407,017	+20	845,946	35
Apples.....	241,574	270,596	174,821	-66,753	-28	+29,022	+12	95,775	35
Peaches.....	95,570	90,044	58,058	-37,512	-39	-5,526	-6	31,985	36

¹ Value of crops with production reported in 1924, exclusive of sugar cane.

² A minus sign (-) denotes decrease and a plus sign (+) an increase.

³ Change in value as actually reported, due to change in production and to lower prices.

⁴ Increase or decrease in value on basis of 1919 prices for both 1919 and 1924 crops. The percentages in this section represent the net quantitative increase or decrease in production.

⁵ Decrease of actual 1924 values over values computed for 1924 on basis of 1919 prices.

Source: Bureau of the Census, Department of Commerce.

No. 644.—ACREAGE, PRODUCTION, AND VALUE OF ALL CROPS IN THE UNITED STATES: CENSUS STATISTICS, 1899 TO 1924

NOTE.—Tons are of 2,000 pounds; bales of cotton, of 500 pounds. For weights of the bushel for principal products, see Appendix, p. 850.

Crop	Acreage (thousands)				Production in thousands of units indicated				Value in thousands of dollars			
	1899	1909	1919	1924	Unit	1899	1909	1919	1924	1909	1919	1924 ¹
All crops.....										5,231,851	14,755,293	7,472,535
With acreage reports.....	283,149	311,196	348,549	338,520						5,018,074	13,638,130	7,239,656
With no acreage reports.....										213,776	1,117,163	232,879
Cereals.....	184,982	181,396	219,031	186,388	Bushel	4,438,857	4,512,564	4,681,216	4,244,399	2,685,540	6,941,683	8,804,372
Corn harvested for grain.....	94,914	98,383	87,772	82,329	do	2,666,324	2,552,190	2,345,833	1,828,880	1,438,554	3,507,797	1,868,569
Wheat.....	32,589	44,263	73,099	50,862	do	658,584	683,379	946,403	800,877	657,687	2,074,079	1,037,627
Oats threshed for grain.....	29,540	35,159	37,991	37,650	do	945,389	1,007,143	1,055,183	1,304,599	414,697	855,255	610,498
Barley.....	4,470	7,099	6,473	6,707	do	119,635	173,344	122,025	159,139	92,459	160,427	122,082
Rye.....	2,054	2,196	7,079	3,744	do	25,569	29,520	75,992	55,674	20,422	116,538	57,886
Buckwheat.....	807	574	743	717	do	11,234	14,849	12,690	12,004	9,331	19,715	12,852
Emmer and spelt.....					do					5,584	(¹)	(¹)
Sorghums harvested for grain.....	267	1,635	3,619	3,526	do	5,169	17,597	72,086	58,700	10,817	90,221	52,321
Rice (rough).....	342	610	911	744	do	9,003	21,839	35,331	29,526	16,020	97,194	42,537
Mixed crops.....				(¹)	do			14,065	(¹)		16,605	(¹)
Other grains and seeds with acreage reports.....	4,075	5,187	4,852	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	80,959	184,056	(¹)
Dry edible beans.....	454	803	1,162	1,637	Bushel	5,064	11,251	14,078	(¹)	21,771	61,795	(¹)
Soy beans.....		2	113	(¹)	do		17	1,035	(¹)	21	4,450	(¹)
Other beans.....	26	13	2	1,476	do	143	163	50	(¹)	220	126	(¹)
Dry peas.....	968	1,305	865	(¹)	do	9,440	7,129	5,743	(¹)	10,964	20,791	(¹)
Peanuts.....	517	870	1,125	1,105	do	11,964	19,416	27,450	26,899	18,272	62,752	35,308
Flaxseed.....	2,111	2,083	1,261	3,435	do	19,979	19,513	6,653	28,249	28,971	29,861	66,135
Miscellaneous seeds.....		81	124	(¹)	do	(¹)	(¹)	(¹)	(¹)	740	4,781	(¹)
Seeds with no acreage reports.....					Bushel	4,885	6,671	7,852	(¹)	16,549	88,554	(¹)
Hay and forage, including corn cut for forage.....			96,121	88,987	Ton			146,343	(¹)		2,523,050	(¹)
Hay and forage, excluding corn cut for forage.....	61,691	72,402	81,618	82,314	do	79,252	97,755	128,549	116,792	826,401	2,316,116	7,120,611
Hay alone.....	58,584	68,227	72,780	74,096	do	71,113	87,216	90,356	88,384	776,068	1,953,149	9,107,624
Vegetables¹⁰.....	5,638	7,073	5,580	5,012	(¹)	(¹)	(¹)	(¹)	(¹)	418,210	1,302,200	(¹)
Potatoes (Irish or white).....	2,939	3,669	3,252	2,911	Bushel	273,318	339,195	290,428	352,402	166,424	639,441	223,925
Sweet potatoes and yams.....	537	641	803	467	do	42,517	59,232	78,092	37,444	35,429	124,844	53,812
Other vegetables ¹¹	2,162	2,763	1,475	1,635	do	(¹)	(¹)	(¹)	(¹)	216,257	537,915	(¹)
Sugar crops.....	790	1,184	1,491	(¹)	Ton	6,906	11,519	11,182	(¹)	59,253	162,439	(¹)
Sugar cane.....	387	477	373	326	do	4,202	6,240	3,645	12,664	26,416	59,499	19,9,505
Sorghum grown for sirup.....	293	326	482	184	do	1,910	1,376	1,644	(¹)	7,963	24,506	(¹)
Sugar beets grown for sugar.....	110	360	636	743	do	93	3,902	5,993	6,989	19,695	66,052	55,754
Maple sugar and sirup.....	(¹)	(¹)	(¹)	(¹)	do	(¹)	(¹)	(¹)	(¹)	5,178	12,331	(¹)

Miscellaneous crops	33,730	35,977	(¹)						943,015	2,820,168	(¹)	
Tobacco	1,101	1,295	1,861	1,538	Pound	868,113	1,055,765	1,371,504	1,106,340	104,303	443,705	211,733
Cotton, including cottonseed	24,275	32,044	33,740	39,204						824,696	2,355,169	(¹)
Lint cotton					Bale	9,535	10,649	11,376	13,683	703,619	2,007,430	1,568,501
Cottonseed (estimated)					Ton	4,767	5,325	5,328	6,070	121,077	347,739	(¹)
Broom corn	179	326	338	(¹)	Pound	90,947	78,960	113,031	(¹)	5,134	7,945	(¹)
Hops	56	45	16	(¹)	do	49,210	40,719	19,761	(¹)	7,845	10,364	(¹)
Sundry minor crops	52	20	22	(¹)					(¹)	1,037	2,984	(¹)
Small fruits	\$10	272	249	(¹)	Quart	463,219	428,566	324,989	(¹)	29,974	61,732	(¹)
Strawberries	151	143	119	193	do	257,427	255,702	176,932	(¹)	17,914	36,004	(¹)
Raspberries and loganberries	61	49	54	(¹)	do	76,628	60,918	61,334	(¹)	5,132	13,386	(¹)
Blackberries and dewberries	50	49	46	(¹)	do	62,190	55,344	39,945	(¹)	3,910	7,118	(¹)
Cranberries	20	18	17	(¹)	do	31,601	38,243	35,260	(¹)	1,756	3,198	(¹)
Currants	13	8	7	(¹)	do	18,593	10,449	7,615	(¹)	790	1,422	(¹)
Other berries	14	5	5	(¹)	do	16,780	5,910	3,904	(¹)	472	604	(¹)
Orchard fruits					Bushel	212,366	213,974	230,682	(¹)	140,867	431,098	(¹)
Apples					do	175,398	145,412	136,561	152,967	83,231	241,574	174,821
Peaches					do	15,433	35,470	50,686	47,755	28,781	95,570	58,058
Pears					do	6,625	8,841	14,204	(¹)	7,911	26,440	(¹)
Plums and prunes					do	8,764	15,480	19,084	(¹)	10,299	40,984	(¹)
Cherries					do	2,873	4,128	3,946	(¹)	7,231	14,166	(¹)
Apricots					do	2,642	4,150	6,130	(¹)	2,884	12,223	(¹)
All other					do	630	494	71	(¹)	529	141	(¹)
Grapes					Pound	1,300,984	2,265,065	2,516,840	(¹)	22,028	95,586	(¹)
Subtropical fruits										24,707	114,868	(¹)
Oranges					Box	6,168	19,487	27,758	(¹)	17,566	83,399	(¹)
Lemons					do	877	2,770	6,885	(¹)	2,994	19,102	(¹)
Grapefruit (pomeloes)					do	31	1,189	3,658	(¹)	2,061	7,177	(¹)
Figs					Pound	12,995	35,060	26,877	(¹)	804	2,812	(¹)
All other										1,282	2,379	(¹)
Nuts										4,448	29,714	(¹)
Pecans					Pound	3,207	9,891	31,809	(¹)	972	7,792	(¹)
Walnuts (Persian or English)					do	10,668	22,027	59,840	(¹)	2,297	17,916	(¹)
Almonds					do	7,143	6,794	15,853	(¹)	712	3,963	(¹)
Coconuts					Number		17	613	(¹)	1	43	(¹)
All other					Pound	19,011	23,617		(¹)	466	(¹)	(¹)

FARM CROPS

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¹ Value of crops with production reported in 1924.

² Excluding 14,502,932 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

³ Includes 3,169,149 acres of oats unthreshed and 5,172,326 acres of corn hogged off, not reported separately prior to 1924; excludes a few crops for which acreage is not available.

⁴ Not available.

⁵ Excludes velvet beans, the acreage of which was largely duplicated in the acreage shown for "Hay and forage."

⁶ Includes "velvet beans" only.

⁷ Exclusive of root crops for forage.

⁸ Included in the hay production is an undetermined tonnage of sorghum cut for hay, the acreage being shown separately.

⁹ Includes the value of an undetermined tonnage of sorghum cut for hay, no corresponding value being shown in previous years.

¹⁰ See footnote 11.

¹¹ Including farm gardens in 1899 and 1909, in 1919 vegetables raised for sale only, and in 1924 only 7 vegetables, cabbages, cantaloupes, lettuce, onions, sweet corn, tomatoes, and watermelons, grown for sale. The value of the farm gardens in 1919 (included in the total for crops with no acreage reports) was \$344,666,000.

¹² Figures for Louisiana only.

Source: Bureau of the Census, Department of Commerce.

No. 645.—PERCENTAGE OF IMPROVED LAND AND OF TOTAL CROP ACREAGE OCCUPIED BY EACH PRINCIPAL CROP OR CROP GROUP

Crop	Per cent of improved land occupied			Per cent of all reported crop acreage			
	1899	1909	1919	1899	1909	1919	1924
All crops with acreage reports.....	68.3	65.0	69.3	100.0	100.0	100.0	100.0
All cereals.....	44.8	40.0	43.5	65.3	61.5	62.8	55.0
Corn.....	22.9	20.6	17.4	33.5	31.6	25.2	24.3
Wheat.....	12.7	9.3	14.5	18.6	14.2	21.0	15.0
Oats.....	7.1	7.3	7.6	10.4	11.3	10.9	11.1
All other.....	1.0	2.8	4.0	2.8	4.4	5.7	4.6
Beans, peas, peanuts, flaxseed and other seeds.....	0	1.1	.9	1.4	1.7	1.2	2.3
Hay and forage.....	14.9	15.1	16.2	21.8	23.3	23.4	26.3
Tobacco.....	.3	.3	.4	.4	.4	.5	.5
Cotton.....	5.9	6.7	6.7	8.6	10.3	9.7	11.6
Sugar crops.....	.2	.2	.3	.3	.4	.4	.4
Other minor crops.....	.1	.1	.1	.2	.1	.1	.2
Vegetables ¹	1.4	1.5	1.1	2.0	2.3	1.6	1.5
Potatoes (Irish or white).....	.7	.8	.6	1.0	1.2	.9	.9
Small fruits.....	.1	.1	(²)	.1	.1	.1	.1

¹ Including potatoes.

² Less than one-tenth of 1 per cent.

Source: Bureau of the Census, Department of Commerce.

No. 646.—TRUCK CROPS: COMMERCIAL ACREAGE AND PRODUCTION

NOTE.—Only States with a crop of commercial importance are included. Weights of the units of measurement are as follows: Number of pounds to the crate—asparagus, 24; celery and cantaloupes, 60; cauliflower, 50; eggplant, 38; lettuce, approximately, 50. Number of pounds to the bushel—carrots, 50; onions, 57; cucumbers, 48; peppers, 22. Tons are of 2,000 pounds

Crop	1923	1924	1925	1926	1927	1928 (prel.)	1928, two leading States
	Acreage						
Asparagus.....	42,050	50,500	65,530	84,080	90,500	94,930	Calif., N. J.
Beans, snap.....	61,280	84,600	104,550	98,120	111,690	135,600	Fla., N. J.
Cabbage.....	164,880	119,120	110,970	120,330	143,790	130,850	N. Y., Tex.
Cantaloupes.....	84,160	95,250	93,280	101,630	105,780	100,400	Calif., Colo.
Carrots.....	9,770	11,480	15,760	19,000	26,300	23,980	La., Tex.
Cauliflower.....	11,530	13,000	15,180	22,520	17,780	20,650	Calif., N. Y.
Celery.....	20,660	22,550	22,910	21,830	24,650	26,400	Do.
Corn, sweet.....	252,690	302,790	393,910	317,310	316,430	289,180	Ill., Iowa.
Cucumbers.....	91,090	121,790	142,190	111,810	93,600	109,840	Mich., Wis.
Eggplant.....	2,470	2,630	3,490	3,260	2,990	3,830	Fla., La.
Lettuce.....	57,900	68,660	86,020	105,500	121,880	126,780	Calif., Colo.
Onions.....	61,640	65,930	65,280	74,200	76,640	77,480	Tex., Ind.
Peas, green.....	207,210	254,270	200,310	261,840	221,000	207,010	Wis., N. Y.
Peppers.....	8,030	11,160	13,700	15,330	14,600	18,510	N. C., Fla.
Potatoes, early Irish.....	281,740	338,250	302,780	323,800	348,230	400,720	Va., N. C.
Spinach.....	30,550	34,390	44,510	51,580	55,210	63,270	Tex., Calif.
Strawberries.....	143,360	176,470	145,060	152,480	183,970	203,680	La., Mo.
Tomatoes.....	379,280	441,790	493,750	372,430	397,430	400,730	Fla., Calif.
Watermelons.....	157,350	184,830	173,710	190,060	182,610	210,450	Ga., Tex.
Production							
Asparagus.....1,000 crates.....	5,854	5,500	6,301	7,813	7,877	9,235	Calif.
Beans, snap.....1,000 tons.....	100	111	150	117	127	147	N. J., Fla.
Cabbage.....do.....	806	1,068	947	1,036	1,203	977	N. Y., Wis.
Cantaloupes.....1,000 crates.....	11,745	13,834	14,553	14,303	15,014	15,521	Calif., Colo.
Carrots.....1,000 bushels.....	3,184	4,084	4,800	5,523	7,763	6,702	La., N. Y.
Cauliflower.....1,000 crates.....	3,322	2,741	3,403	5,538	4,000	4,087	Calif., N. Y.
Celery.....do.....	5,684	6,609	6,702	5,767	7,685	7,173	Do.
Corn, sweet.....1,000 tons.....	603	628	1,014	816	899	536	Iowa, Ill.
Cucumbers.....1,000 bushels.....	7,671	7,649	12,699	9,224	8,256	8,428	Fla., Mich.
Eggplant.....1,000 crates.....	850	795	904	791	782	896	Fla., N. Y.
Lettuce.....do.....	11,672	13,221	16,076	17,150	19,383	18,589	Calif., Ariz.
Onions.....1,000 bushels.....	17,306	19,190	19,662	21,119	23,695	19,025	Tex., N. Y.
Peas, green.....1,000 tons.....	181	274	242	261	239	277	Wis., N. Y.
Peppers.....1,000 bushels.....	2,963	3,674	3,455	3,890	3,502	4,418	N. J., Fla.
Potatoes, early Irish.....do.....	26,245	44,103	30,890	36,624	44,825	55,368	Va., N. J.
Spinach.....1,000 tons.....	96	108	107	124	141	138	Calif., Tex.
Strawberries.....1,000 quarts.....	256,469	318,121	228,577	277,940	310,519	325,045	Md., La.
Tomatoes.....1,000 tons.....	1,669	1,687	2,322	1,376	1,641	1,402	Calif., N. J.
Watermelons.....thousands.....	42,784	57,088	56,498	69,698	57,682	61,773	Ga., Fla.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 647.—ESTIMATED VALUE OF 22 CROPS AND OF ALL CROPS: By STATES

NOTE.—The following tabulation gives the estimated total value of 22 crops—corn, wheat, oats, barley, rye, buckwheat, flaxseed, rice, potatoes, sweet potatoes, all hay, tobacco, lint cotton, beans, broomcorn, grain sorghums, hops, oranges, cloverseed, peanuts, cranberries, and apples, in 1924 to 1928, and the calculated value of all crops in 1924 to 1928, based upon ratio of the 22 crops to all crops in the census year 1919. The slight differences in the total value of crops in the United States between Table 597 and this table are due to different methods of estimating. In this table, where each State is shown separately, a more detailed method is used than is practicable in Table 597

[Values in millions and tenths of millions of dollars]

State	Value 22 crops					Hypothetical value all crops				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
United States	8,478.3	7,967.3	7,042.1	7,076.1	7,002.6	10,043.4	9,531.5	8,436.5	9,108.5	9,093.2
Maine	46.4	94.1	74.6	68.1	80.2	49.4	102.2	81.1	63.1	42.6
New Hampshire	14.3	17.0	15.4	14.7	12.6	18.0	21.5	19.5	18.6	16.0
Vermont	33.8	32.5	32.4	28.2	27.0	43.9	42.2	42.1	36.6	35.1
Massachusetts	29.9	33.3	30.8	30.2	29.4	43.9	48.9	45.3	44.4	43.3
Rhode Island	2.7	3.1	3.2	2.6	2.6	3.9	4.6	4.0	3.8	3.7
Connecticut	31.3	20.6	30.2	20.5	20.2	38.0	30.6	37.3	36.6	36.1
New York	228.6	253.0	219.4	199.6	177.7	296.8	329.8	284.9	259.3	230.8
New Jersey	36.1	42.1	37.2	35.0	29.4	51.5	60.1	53.1	50.0	42.0
Pennsylvania	232.7	257.0	223.0	214.5	180.0	270.5	299.8	260.3	249.5	219.8
Ohio	278.9	271.0	261.6	232.9	230.1	314.8	311.5	300.7	267.7	264.5
Indiana	240.7	224.3	202.5	192.2	202.8	267.5	249.2	225.0	213.5	225.4
Illinois	510.6	426.8	360.0	359.5	432.5	555.0	463.9	391.4	387.5	470.1
Michigan	210.5	221.1	206.0	185.8	194.6	256.7	269.6	251.2	226.5	237.3
Wisconsin	236.1	272.0	244.0	247.1	240.0	291.5	330.9	301.2	305.1	297.5
Minnesota	373.0	331.1	290.1	287.8	260.4	419.8	372.1	320.0	323.3	326.3
Iowa	490.7	444.2	405.7	448.0	501.7	533.4	482.9	441.0	486.0	545.3
Missouri	263.9	278.6	246.0	238.3	249.1	330.3	313.0	276.4	267.7	279.9
North Dakota	329.6	259.1	176.9	256.0	223.5	358.2	281.6	192.3	278.9	242.9
South Dakota	228.4	174.2	113.2	225.3	156.9	245.6	187.3	121.8	242.3	198.7
Nebraska	349.3	300.7	241.7	359.9	315.4	397.7	316.5	254.4	378.8	332.0
Kansas	415.1	285.2	303.4	328.3	371.3	456.2	313.4	353.4	360.8	408.0
Delaware	11.8	12.6	10.5	11.7	11.6	16.4	17.5	14.5	16.2	16.2
Maryland	56.3	60.1	55.8	57.5	49.8	70.3	75.1	69.8	71.8	62.3
Virginia	151.6	140.1	143.0	154.0	145.6	178.3	164.8	169.0	181.1	171.3
West Virginia	54.5	61.4	60.0	57.1	50.5	67.3	75.7	74.0	70.5	69.8
North Carolina	278.3	294.9	278.8	269.9	264.6	319.9	339.0	320.5	344.7	364.1
South Carolina	143.2	135.9	115.1	136.9	117.7	174.7	165.8	140.3	166.9	143.6
Georgia	206.1	185.6	169.4	208.3	185.7	257.6	232.0	211.8	200.3	232.2
Florida	37.9	52.2	63.2	68.1	55.3	61.1	84.2	85.8	93.8	89.2
Kentucky	195.3	175.3	154.9	153.5	169.2	219.5	197.0	174.1	172.5	190.1
Tennessee	132.7	102.0	149.9	154.1	165.7	220.0	195.2	180.6	185.7	190.7
Alabama	132.2	168.5	140.3	132.6	159.6	224.9	232.7	173.3	225.5	197.1
Mississippi	178.2	244.3	156.2	189.2	176.9	214.7	204.3	188.2	227.0	213.1
Arkansas	195.8	191.5	154.5	163.0	168.9	233.9	230.7	180.2	197.1	203.5
Louisiana	104.5	141.0	99.3	106.5	114.7	147.2	193.6	135.0	150.0	161.0
Oklahoma	351.8	251.2	263.8	243.8	263.9	404.4	288.8	303.2	280.2	308.4
Texas	751.8	491.4	516.8	612.2	649.8	905.8	595.0	620.5	737.5	732.9
Montana	117.4	101.4	96.9	137.1	117.5	139.5	117.9	112.7	159.4	136.7
Idaho	75.0	103.7	82.6	95.3	84.7	83.0	117.8	93.9	108.3	96.2
Wyoming	23.7	27.6	26.6	27.7	28.5	26.9	31.4	30.3	31.4	32.6
Colorado	92.1	112.0	82.7	87.7	86.4	121.2	147.4	108.8	115.4	113.6
New Mexico	30.8	22.0	26.8	22.7	26.2	40.0	23.6	34.8	26.5	34.0
Arizona	28.1	27.9	22.3	28.1	34.2	33.5	32.8	20.5	33.4	40.7
Utah	22.3	33.0	25.8	26.0	29.6	31.8	47.2	30.9	37.2	42.2
Nevada	8.0	10.2	8.7	7.8	10.1	8.3	10.6	9.0	8.1	10.6
Washington	107.1	147.6	120.9	144.5	121.7	130.6	180.0	147.4	176.2	148.4
Oregon	59.4	76.8	67.0	80.3	77.1	79.2	102.4	89.4	107.1	102.8
California	227.4	261.0	244.3	259.1	285.2	421.0	484.5	452.4	479.8	528.2

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 648.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE,
BY STATES

NOTE.—Figures for cotton production exclude linters. Blank spaces indicate data not available. Tons are of 2,000 pounds

ALABAMA

Yearly average or year	Cotton					Cottonseed			Total value
	Acres	Bales (500 pounds gross)	Farm value, Dec. 1	Yield per acre	Farm price per pound, Dec. 1	Quantity	Value	Farm price per ton (annual average)	
	Thousands	Thousands	1,000 dollars	Pounds	Cents	1,000 short tons	1,000 dollars	Dollars		1,000 dollars
1900-1913.....	3,708	1,354	81,844	174	12.4	601	13,870	23.73	95,714
1914-1918.....	3,024	925	69,585	142	18.5	411	16,824	40.84	86,409
1919-1923.....	2,747	673	82,466	122	24.6	209	12,851	42.03	95,317
1924-1928.....	3,382	1,228	106,836	174	17.4	545	17,128	31.43	123,964
1923.....	3,070	687	93,280	91	31.8	260	11,063	46.07	105,252
1924.....	3,055	986	111,702	164	22.7	1,438	15,825	36.13	127,587
1925.....	3,504	1,357	128,210	185	18.0	602	19,077	31.69	147,287
1926.....	3,651	1,498	80,143	106	10.7	665	12,635	22.02	92,778
1927.....	3,166	1,192	113,145	180	19.0	529	10,409	36.69	132,554
1928 (preliminary).....	3,534	1,109	100,919	150	18.2	492	18,696	*38.00	110,615

ARIZONA

1919-1923.....	131	67	11,408	256	34.1	30			
1924-1928.....	170	118	12,844	332	21.8	52	1,436	27.62	14,280
1923.....	127	78	13,178	292	34.0	34		39.79	
1924.....	180	108	14,204	285	26.4	48	1,543	32.15	15,747
1925.....	162	110	12,748	350	21.5	53	1,465	27.04	14,213
1926.....	167	123	8,113	349	13.3	54	972	19.15	9,085
1927.....	139	92	11,648	315	25.6	41	1,220	29.70	12,808
1928 (preliminary).....	200	149	17,508	367	23.5	66	1,080	*30.00	19,488

ARKANSAS

1900-1913.....	2,262	868	52,361	183	12.2	386	8,206	21.60	60,507
1914-1918.....	2,596	985	93,307	183	18.8	438	20,408	46.29	113,715
1919-1923.....	2,782	906	105,035	163	23.2	402	14,813	36.85	119,848
1924-1928.....	3,470	1,290	110,608	170	17.0	576	16,620	28.80	127,234
1923.....	3,026	628	99,161	98	31.0	1,276	12,230	44.50	111,391
1924.....	3,094	1,098	124,743	160	22.8	1,488	16,628	34.21	141,369
1925.....	3,738	1,605	128,770	205	16.1	1,711	17,796	25.03	146,566
1926.....	3,700	1,548	85,140	195	11.0	687	12,622	19.73	97,162
1927.....	3,048	1,000	101,000	157	20.2	444	15,913	35.84	116,013
1928 (preliminary).....	3,681	1,246	113,386	162	18.2	554	20,775	*37.50	134,161

CALIFORNIA (includes Lower California prior to 1924)

1910-1913.....	10	12	691	419	11.6				
1914-1918.....	89	49	5,181	358	19.2	28	1,525		
1919-1923.....	207	49	7,722	118	31.5	22			
1924-1928.....	161	119	11,638	353	19.6	53	1,565	29.53	18,203
1923.....	233	54	8,700	285	32.0	24	708	29.60	9,408
1924.....	130	78	9,299	284	24.0	35	1,139	32.54	10,438
1925.....	169	122	13,397	340	22.0	54	1,827	33.84	15,224
1926.....	162	131	9,170	337	14.0	58	1,100	23.20	10,330
1927.....	128	91	9,555	340	21.0	40	1,304	32.00	10,869
1928 (preliminary).....	218	172	16,770	378	19.5	76	2,394	*31.50	19,164

FLORIDA

1909-1913.....	243	62	5,107	123	17.0	34	734	22.09	5,841
1914-1918.....	191	48	6,161	117	30.3	8	1,112	45.39	7,273
1919-1923.....	107	16	2,104	75	26.3	8	316	39.60	2,420
1924-1928.....	89	25	2,198	134	17.6	12	351	29.25	2,549
1923.....	147	12	1,778	40	28.8	6	250	41.05	2,028
1924.....	80	19	2,443	130	22.5	110	357	35.67	2,800
1925.....	101	38	3,589	180	18.8	17	537	31.60	4,129
1926.....	106	32	1,632	145	10.2	14	290	24.12	1,898
1927.....	64	16	1,624	129	19.1	8	269	33.65	1,893
1928 (preliminary).....	95	19	1,700	97	17.9	9	324	*30.00	2,024

¹ Slight difference from census figures on ginnings due to ginnings in one State of cotton grown in another.

² As of Dec. 1.

No. 648.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

GEORGIA

Yearly average or year	Cotton					Cottonseed			Total value
	Acres	Bales (500 pounds gross)	Farm value, Dec. 1	Yield per acre	Farm price per pound, Dec. 1	Quantity	Value	Farm price per ton (annual average)	
	Thousands	Thousands	1,000 dollars	Pounds	Cents	1,000 short tons	1,000 dollars	Dollars	
1900-1913.....	5,141	2,087	127,034	193	12.5	938	21,478	23.49	148,512
1914-1918.....	5,214	2,001	189,373	101	18.9	930	45,024	49.96	234,307
1919-1923.....	4,226	1,033	130,040	122	25.2	458	21,590	47.14	151,630
1924-1928.....	3,548	1,150	101,249	156	17.5	514	16,693	32.48	117,942
1923.....	3,421	588	94,118	82	32.0	261	12,327	47.27	100,445
1924.....	3,046	1,004	112,217	157	22.4	445	16,518	37.12	128,735
1925.....	3,589	1,164	110,569	155	19.0	516	17,590	34.09	128,159
1926.....	3,955	1,496	83,028	180	11.1	604	13,944	24.37	96,972
1927.....	3,413	1,100	106,700	154	19.4	488	18,505	37.92	125,205
1928 (preliminary).....	3,728	1,029	93,730	132	18.2	457	16,900	37.00	110,639

LOUISIANA

1900-1913.....	1,031	341	19,950	157	12.0	151	3,210	22.16	23,160
1914-1918.....	1,335	249	48,602	175	18.3	210	10,604	45.50	59,206
1919-1923.....	1,342	335	39,492	125	23.6	140	5,688	37.50	45,079
1924-1928.....	1,800	604	59,524	184	17.2	308	8,701	28.25	68,225
1923.....	1,405	368	55,734	125	30.3	163	6,621	40.83	62,355
1924.....	1,616	493	55,177	145	22.4	219	6,844	31.25	62,021
1925.....	1,874	910	32,397	232	18.1	404	11,874	29.39	94,271
1926.....	1,979	829	45,595	200	11.0	368	6,624	20.22	52,219
1927.....	1,542	548	52,608	170	19.2	243	8,187	33.69	60,795
1928 (preliminary).....	1,990	691	61,844	163	17.9	307	9,978	32.50	71,822

MISSISSIPPI

1900-1913.....	3,181	1,181	74,131	178	12.5	525	12,200	23.45	86,421
1914-1918.....	2,965	1,029	95,974	169	19.0	457	21,192	47.39	117,166
1919-1923.....	2,922	852	106,693	140	25.0	378	15,118	39.99	121,811
1924-1928.....	3,514	1,592	141,819	212	18.2	693	22,006	31.75	163,825
1923.....	3,170	604	98,119	91	32.5	268	12,537	46.78	110,656
1924.....	2,981	1,090	139,188	179	23.7	487	17,688	36.32	147,876
1925.....	3,496	1,901	104,077	275	19.5	884	26,821	30.34	220,898
1926.....	3,752	1,888	109,504	241	11.0	838	17,598	24.56	127,102
1927.....	3,340	1,355	138,888	194	20.5	602	22,376	37.17	161,264
1928 (preliminary).....	4,029	1,475	136,438	175	18.5	655	25,545	39.00	161,983

MISSOURI

1900-1913.....	105	65	3,638	292	11.6	29	678	23.85	3,977
1914-1918.....	135	63	5,602	225	18.2	28	1,280	46.46	6,882
1919-1923.....	183	98	11,613	268	23.7	43	1,845	42.01	13,458
1924-1928.....	414	193	15,211	223	15.8	86	2,047	30.78	17,858
1923.....	355	121	20,594	171	32.5	57	3,007	50.24	23,601
1924.....	493	189	22,179	185	23.0	86	3,440	40.00	26,619
1925.....	520	294	17,956	275	12.0	133	4,043	30.40	21,999
1926.....	434	218	10,900	240	10.0	97	1,630	19.78	12,530
1927.....	291	115	11,788	188	20.5	51	1,846	36.20	13,634
1928 (preliminary).....	334	147	13,230	210	18.0	65	2,275	35.00	15,505

NEW MEXICO

1924-1928.....	108	68	6,781	301	19.9	32	898	28.06	7,679
1923.....	60	28	4,584	230	31.0	14	---	---	---
1924.....	101	55	7,137	266	25.0	25	798	23.21	7,935
1925.....	107	64	6,644	298	20.0	30	916	30.52	7,560
1926.....	120	71	4,612	299	12.3	33	594	20.50	5,206
1927.....	95	65	6,930	352	10.8	31	936	30.18	7,866
1928 (preliminary).....	117	84	8,580	360	19.5	39	1,248	32.00	9,828

¹ Slight differences from census figures on ginnings due to ginnings in one State of cotton grown in another.
² As of Dec. 1.

No. 648.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

NORTH CAROLINA

Yearly average or year	Cotton					Cottonseed			Total value
	Acres	Bales (500 pounds)	Farm value, Dec. 1	Yield per acre	Farm price per pound, Dec. 1	Quantity	Value	Farm price per ton (annual average)	
1909-1913	1,516	808	48,319	252	12.3	358	8,850	25.57	57,160
1914-1918	1,475	760	67,774	245	18.3	337	10,278	49.59	84,052
1919-1923	1,557	881	107,678	283	24.4	300	17,060	43.74	124,738
1924-1928	1,019	907	85,792	241	17.7	420	14,364	33.48	100,150
1923	1,679	1,020	157,101	290	30.8	452	20,150	44.00	177,251
1924	2,005	825	93,262	196	22.6	360	13,670	37.35	106,932
1925	2,017	1,102	104,671	261	19.0	488	16,885	34.60	121,556
1926	1,985	1,213	69,748	292	11.5	530	11,858	24.56	81,606
1927	1,728	661	83,048	238	19.5	382	14,569	38.14	98,618
1928 (preliminary)	1,860	836	77,330	215	18.5	371	14,840	40.00	92,170

OKLAHOMA

1909-1913	2,539	870	48,658	164	11.4	387	7,560	20.23	56,218
1914-1918	2,017	852	71,205	157	17.8	370	15,622	44.10	86,827
1919-1923	2,698	823	91,046	153	22.1	306	12,607	34.61	103,713
1924-1928	4,319	1,443	120,738	100	16.7	641	18,020	28.11	138,758
1923	3,197	656	97,023	98	29.6	291	11,497	39.59	108,520
1924	3,861	1,511	107,673	187	22.2	671	21,490	32.04	180,172
1925	5,214	1,691	143,735	155	17.0	761	21,456	28.57	165,191
1926	4,676	1,773	85,990	181	9.7	787	12,120	16.63	98,110
1927	3,601	1,037	102,663	138	19.8	461	16,803	36.45	119,466
1928 (preliminary)	4,243	1,206	103,630	136	17.2	536	18,224	34.00	121,854

SOUTH CAROLINA

1909-1913	2,662	1,295	78,696	230	12.4	576	13,622	24.18	92,318
1914-1918	2,709	1,281	120,117	218	13.8	570	28,220	49.95	148,337
1919-1923	2,449	1,013	123,132	207	24.3	440	20,260	45.12	143,391
1924-1928	2,485	832	73,998	160	17.8	369	12,281	33.28	86,274
1923	1,965	770	123,226	187	32.0	341	15,485	45.31	138,711
1924	2,404	807	80,129	160	22.1	357	13,155	36.85	102,284
1925	2,654	889	83,535	160	18.8	394	13,384	38.97	96,910
1926	2,648	1,008	68,908	182	11.7	448	9,408	25.00	68,376
1927	2,350	730	71,540	148	19.0	324	12,898	39.81	84,438
1928 (preliminary)	2,361	726	66,792	147	18.4	322	12,568	36.00	79,360

TENNESSEE

1909-1913	797	387	20,241	200	12.3	150	3,480	23.71	23,721
1914-1918	872	328	28,710	180	18.2	140	6,632	47.07	35,342
1919-1923	878	311	36,255	177	23.8	138	5,694	41.26	41,949
1924-1928	1,077	423	35,603	188	16.8	187	5,800	31.06	41,412
1923	1,172	228	36,160	92	32.0	101	4,774	47.28	40,938
1924	996	356	41,103	170	23.2	167	5,831	37.14	46,934
1925	1,173	517	41,787	210	16.2	229	6,396	27.93	48,133
1926	1,143	452	22,550	188	10.0	200	3,800	20.76	26,350
1927	965	359	34,105	178	19.0	159	5,797	36.46	39,902
1928 (preliminary)	1,107	429	38,520	185	18.0	190	7,220	38.00	45,740

TEXAS

1909-1913	10,620	3,731	215,097	162	11.8	1,659	32,808	20.59	247,005
1914-1918	11,233	3,473	298,820	148	18.4	1,545	62,646	43.38	361,466
1919-1923	11,829	3,441	408,874	145	23.8	1,530	54,243	36.45	463,117
1924-1928	17,415	4,843	422,016	133	17.4	2,151	63,809	29.66	485,825
1923	14,150	4,342	650,738	147	30.4	1,927	75,326	39.15	735,064
1924	17,176	4,951	554,311	138	22.4	2,197	70,370	32.03	624,681
1925	17,608	4,165	385,112	113	18.5	1,849	69,113	31.97	444,225
1926	18,374	5,631	393,012	147	10.8	2,409	43,732	29.56	347,644
1927	16,176	4,356	419,968	129	19.3	1,938	66,241	34.18	456,209
1928 (preliminary)	17,743	5,110	446,775	139	17.5	2,274	70,590	35.00	520,365

¹ Slight differences from census figures on ginnings due to ginnings in one State of cotton grown in another.

² As of Dec. 1.

No. 648.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

VIRGINIA

Yearly average or year	Cotton					Cottonseed			Total value
	Acres	Bales (500 pounds gross)	Farm value, Dec. 1	Yield per acre	Farm price per pound, Dec. 1	Quantity	Value	Farm price per ton (annual average)	
	Thousands	Thousands	1,000 dollars	Pounds	Cents	1,000 short tons	1,000 dollars	Dollars	
1009-1913.....	39	20	1,207	244	12.2	9	216	24.00	1,423
1914-1918.....	43	22	2,072	250	18.5	10	486	48.60	2,558
1919-1923.....	49	28	3,005	286	25.8	12	546	45.50	4,151
1924-1928.....	88	43	3,892	234	18.1	10	689	30.20	4,581
1923.....	74	51	3,093	325	32.0	22	982	44.64	9,075
1924.....	102	39	4,456	180	23.0	17	683	40.20	5,130
1925.....	100	53	4,091	260	19.0	23	831	36.14	5,822
1926.....	93	51	2,907	264	11.4	23	598	28.72	3,505
1927.....	04	30	3,100	230	20.0	14	553	39.50	3,053
1928 (preliminary).....	70	44	4,004	265	18.2	19	779	41.00	4,783

OTHER STATES

1924-1928.....	37	13	1,127	168	17.3	6	191	-----	1,318
1923.....	13	6	1,284	221	31.0	14	2,238	-----	3,472
1924.....	41	12	1,601	104	23.0	10	294	-----	1,805
1925.....	67	24	1,894	214	14.9	11	370	-----	2,204
1926.....	43	10	824	189	9.7	3	100	-----	984
1927.....	22	17	675	160	19.3	4	110	-----	785
1928 (preliminary).....	22	10	640	132	18.3	3	112	-----	752

¹ Slight differences from census figures on ginnings due to ginnings in 1 State of cotton grown in another.

² As of Dec. 1.

³ Includes Illinois, Kansas, and Kentucky, and the lint production of Florida, Missouri, New Mexico, and Virginia.

Source: Production of cotton, Bureau of the Census, Department of Commerce; other figures, Department of Agriculture.

No. 649.—FERTILIZER: AMOUNT SOLD IN 12 SOUTHERN STATES AS SHOWN BY TAG SALES

[In tons of 2,000 pounds]

State.	1922	1923	1924	1925	1926	1927	1928
Total.....	3,514,585	4,334,003	4,688,186	5,077,439	5,144,647	4,551,325	5,572,368
Per cent increase over preceding year.....	20.8	23.3	8.2	8.3	1.5	111.5	22.4
Virginia ¹	440,942	422,350	441,895	451,656	435,223	408,008	437,709
North Carolina.....	951,174	1,066,553	1,183,053	1,217,822	1,218,170	1,171,499	1,349,360
South Carolina ²	520,590	693,380	844,440	873,255	840,128	726,736	788,293
Georgia.....	521,547	676,867	678,959	778,808	780,302	713,047	885,274
Florida.....	353,769	398,504	365,317	258,463	398,480	417,438	468,907
Alabama.....	284,370	447,013	456,840	588,115	615,364	478,400	681,100
Mississippi.....	142,517	208,385	206,122	258,028	278,075	218,750	333,350
Tennessee.....	89,519	100,361	115,230	142,174	156,336	112,478	150,726
Missouri.....	50,021	51,597	47,121	63,939	56,891	56,100	64,922
Arkansas.....	36,115	76,616	96,750	124,887	126,175	75,487	126,391
Louisiana ²	75,050	104,624	124,068	110,784	114,347	92,866	143,693
Texas ²	33,012	78,787	127,761	101,008	125,150	80,521	144,643

¹ Decrease.

² Includes cottonseed meal used as fertilizer.

Source: The Fertilizer Review, National Fertilizer Association.

Division and State	Acres					Yield per acre				
	1900-1913, average	1925	1926	1927	1928 (preliminary)	1900-1913, average	1925	1926	1927	1928 (preliminary)
	Thousands 104,229	Thousands 101,302	Thousands 99,615	Thousands 98,393	Thousands 100,781	Bushels 26.0	Bushels 28.8	Bushels 27.0	Bushels 28.1	Bushels 28.2
United States										
New England	198	217	220	224	217	42.5	48.7	42.4	39.1	42.4
Maine.....	16	12	13	14	13	41.2	45.0	35.0	37.0	40.0
New Hampshire.....	22	14	15	15	14	41.8	50.0	43.0	41.0	40.0
Vermont.....	45	85	84	84	80	39.6	48.0	43.0	39.0	44.0
Massachusetts.....	46	43	45	40	45	42.6	50.0	44.0	41.0	42.0
Rhode Island.....	11	9	9	10	10	39.8	45.0	41.0	38.0	39.0
Connecticut.....	58	54	54	55	55	46.2	50.0	42.0	38.0	42.0
Middle Atlantic	2,223	2,298	2,252	2,112	2,114	38.6	46.6	39.6	37.8	37.4
New York.....	521	601	670	663	650	36.0	36.0	35.0	34.0	34.0
New Jersey.....	270	199	188	179	181	36.6	52.0	46.0	40.0	38.5
Pennsylvania.....	1,432	1,408	1,394	1,270	1,283	39.8	51.0	41.0	39.5	39.0
South Atlantic	12,325	11,551	11,041	11,032	10,721	19.7	17.6	20.5	21.0	17.8
Delaware.....	104	137	138	135	136	32.5	37.0	31.0	35.0	33.0
Maryland.....	663	554	554	515	530	34.2	45.0	30.8	44.0	36.5
Virginia.....	1,952	1,681	1,694	1,620	1,642	24.5	22.0	27.0	20.5	27.5
West Virginia.....	708	620	485	441	459	29.6	36.5	33.0	33.5	36.0
North Carolina.....	2,690	2,400	2,376	2,352	2,305	18.3	18.5	22.0	22.8	18.5
South Carolina.....	1,791	1,584	1,420	1,497	1,422	18.2	12.3	15.5	17.0	12.0
Georgia.....	3,727	3,895	3,817	3,893	3,620	14.7	10.7	14.5	14.0	10.5
Florida.....	640	680	551	573	607	13.0	15.0	14.0	13.0	13.0
East North Central	22,363	21,633	21,180	19,568	21,381	36.4	43.7	36.6	30.8	37.8
Ohio.....	3,950	3,741	3,591	3,370	3,646	39.0	48.0	41.0	32.5	37.5
Indiana.....	4,880	4,672	4,672	4,205	4,533	38.3	43.5	38.0	31.5	36.2
Illinois.....	10,311	9,393	9,205	8,469	9,570	35.0	42.0	35.0	30.0	38.4
Michigan.....	1,650	1,642	1,593	1,418	1,461	33.7	40.0	34.0	27.5	35.0
Wisconsin.....	1,572	1,885	2,119	2,100	2,121	35.6	46.5	34.5	32.5	43.0
West North Central	37,485	43,368	42,180	41,185	42,580	26.3	29.7	25.2	31.8	30.8
Minnesota.....	2,182	4,136	4,343	4,172	4,089	35.1	36.0	34.0	30.5	35.0
Iowa.....	9,709	11,234	11,170	10,901	11,174	35.2	43.9	39.0	35.5	42.6
Missouri.....	7,402	6,741	6,471	5,796	6,260	27.0	20.5	27.2	29.0	29.0
North Dakota.....	278	1,050	1,009	959	907	25.1	23.5	18.0	25.0	24.5
South Dakota.....	2,317	4,478	4,630	4,655	4,400	27.0	17.5	18.0	29.0	21.0
Nebraska.....	7,467	2,558	2,558	2,558	2,558	22.1	26.0	15.5	33.1	23.8
Kansas.....	8,130	6,623	5,563	5,897	6,634	15.9	16.6	11.0	30.0	27.0
East South Central	12,612	11,167	10,911	10,547	10,369	22.1	19.9	24.7	21.3	17.1
Kentucky.....	3,557	3,231	3,069	2,885	3,020	27.0	26.5	33.0	26.0	22.0
Tennessee.....	3,326	3,162	3,090	2,944	2,915	24.3	20.0	27.5	24.0	19.5
Alabama.....	2,655	2,797	2,825	2,800	2,660	16.8	13.5	16.2	16.0	11.5
Mississippi.....	2,774	1,977	1,918	1,918	1,765	18.5	18.0	19.2	17.8	13.0
West South Central	16,347	8,746	9,350	11,452	11,016	17.3	10.8	24.5	22.7	20.3
Louisiana.....	1,776	1,225	1,127	1,161	1,242	21.0	18.0	17.5	17.5	17.0
Texas.....	6,666	2,957	3,844	5,189	4,722	18.0	8.5	27.8	23.0	21.0
Oklahoma.....	5,504	2,558	2,353	3,177	3,050	13.8	7.5	26.0	26.5	23.0
Arkansas.....	2,401	2,006	2,026	1,925	2,002	20.4	14.0	20.5	19.0	16.5
Mountain	535	2,312	2,280	2,072	2,190	26.8	17.3	11.4	18.4	15.7
Montana.....	200	399	359	305	274	28.3	16.5	11.0	23.5	19.0
Wyoming.....	13	191	176	176	167	21.0	23.0	20.0	20.0	18.0
Colorado.....	377	1,410	1,398	1,284	1,438	18.7	15.0	7.0	15.5	13.0
New Mexico.....	89	175	221	166	109	44.0	18.0	20.0	15.0	17.5
Arizona.....	16	39	40	44	39	31.7	26.0	28.0	32.0	26.0
Utah.....	8	18	18	19	18	32.1	24.0	24.0	27.0	29.0
Nevada.....	1	2	2	2	2	31.1	25.0	24.0	25.0	22.0
Idaho.....	11	78	66	76	63	31.5	41.0	41.0	41.0	40.0
Pacific	101	210	201	201	203	32.1	33.0	32.9	34.7	35.2
Washington.....	30	58	49	43	40	27.9	35.0	35.0	37.0	39.0
Oregon.....	19	71	75	81	82	28.9	20.0	33.0	36.0	36.0
California.....	52	81	77	77	75	35.7	35.1	31.5	32.0	32.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

CORN CROP

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AND FARM VALUE, BY STATES

Production					Farm value, Dec. 1					Division and State
1909-1913, average	1925	1926	1927	1928 (preliminary)	Amount			Per bushel, 1928	Per acre, 1928	
					1926	1927	1928 (preliminary)			
					1,000 bushels	1,000 bushels	1,000 bushels				Cents	Dollars
2,712,364	2,916,106	2,691,531	2,763,093	2,689,969	1,728,970	1,997,769	2,132,991	76	\$1.17	U. S.
8,423	10,675	9,329	6,766	9,190	9,840	9,883	11,129	121	51.28	New Eng.
679	540	455	518	520	455	670	698	116	46.00	Me.
924	700	645	615	560	645	646	672	120	48.00	N. H.
1,707	4,080	3,612	3,270	3,520	3,431	3,440	8,872	110	48.40	Vt.
1,954	2,150	1,930	1,880	1,800	2,277	2,203	2,467	130	54.60	Mass.
417	405	369	380	390	424	450	526	135	52.00	R. I.
2,683	2,700	2,208	2,090	2,310	2,606	2,608	3,003	130	54.60	Conn.
85,700	107,092	89,952	79,897	79,105	71,666	73,376	75,172	95	35.56	Mid. Atlantic.
18,740	24,870	23,450	22,542	22,100	20,167	21,640	21,879	99	33.66	N. Y.
9,800	10,348	8,648	7,160	6,968	6,918	6,086	6,799	97	37.84	N. J.
57,004	71,808	57,154	50,165	50,037	44,680	45,650	40,594	93	30.27	Pa.
243,586	200,220	228,852	231,152	191,119	186,543	203,899	192,958	101	18.00	S. Atlantic.
6,202	5,000	4,273	4,725	4,488	2,788	3,780	3,940	89	29.04	Del.
22,089	24,030	22,049	22,600	19,345	14,111	18,128	17,024	88	32.12	Md.
47,930	36,982	40,585	47,907	45,155	39,597	44,130	45,155	100	27.50	Va.
20,950	18,880	19,005	14,774	16,524	15,045	14,774	17,020	103	37.08	W. Va.
49,334	44,400	52,272	53,626	42,642	45,909	48,300	43,921	103	19.05	N. C.
32,620	19,483	22,103	25,440	17,004	19,808	22,604	18,088	108	12.72	S. C.
55,012	41,076	55,346	54,502	38,010	42,063	44,147	39,010	105	11.02	Ge.
8,760	8,700	7,714	7,449	7,891	7,007	7,226	7,801	100	13.00	Fla.
813,703	944,588	774,210	603,498	607,873	451,893	445,421	586,556	73	27.43	E. N. Central.
154,034	179,568	147,231	109,720	136,725	88,339	84,484	103,011	70	28.50	Ohio.
187,009	203,232	177,536	132,458	161,322	88,768	90,071	111,812	69	24.29	Ind.
360,909	394,506	322,175	254,070	367,488	180,418	180,300	257,242	70	26.88	Ill.
55,506	65,680	54,162	38,995	51,135	39,533	33,146	42,963	84	29.40	Mich.
56,136	101,002	73,106	68,250	91,203	54,830	57,330	71,138	78	33.54	Wis.
484,468	1,200,127	1,061,406	1,309,642	1,310,761	644,850	854,943	680,714	20	20.69	W. N. Central.
76,053	148,890	147,062	127,240	143,115	82,691	81,437	88,781	67	21.70	Minn.
342,030	492,048	435,630	386,986	476,012	243,053	267,020	318,228	67	28.54	Iowa.
200,135	198,860	176,011	168,084	181,540	119,687	126,063	132,524	73	21.17	Mo.
7,097	24,816	18,162	23,975	24,426	12,350	14,864	14,900	61	14.94	N. Dak.
62,318	78,365	83,840	93,945	93,849	48,337	76,947	58,186	62	13.02	S. Dak.
104,801	230,600	139,407	201,446	212,701	94,797	180,697	151,018	71	16.90	Nebr.
131,044	100,042	61,193	179,910	179,118	42,835	107,915	116,427	66	17.55	Kans.
278,509	222,208	260,090	224,606	176,900	187,055	197,619	177,740	101	17.16	E. S. Central.
95,802	86,622	101,277	75,010	66,638	65,830	66,009	63,972	96	21.12	Ky.
81,073	62,240	85,222	70,556	56,842	56,247	58,644	56,842	100	19.50	Tenn.
49,915	37,700	45,765	44,800	30,475	34,781	41,216	33,522	110	12.65	Ala.
51,719	35,580	30,826	34,140	22,945	30,197	31,760	29,404	102	13.26	Miss.
288,602	94,453	229,296	260,430	223,459	149,854	177,354	174,955	78	15.88	W. S. Central.
37,248	22,050	19,722	20,318	21,114	17,750	18,289	19,847	94	15.93	La.
120,576	25,134	100,863	119,347	96,102	64,118	77,576	77,340	78	16.38	Tex.
76,603	19,185	61,178	84,190	70,150	34,260	40,672	47,702	68	15.04	Okla.
49,116	28,084	41,533	36,575	33,033	33,226	31,820	30,060	91	15.01	Ark.
11,133	39,871	25,981	38,167	34,406	21,294	28,411	26,520	77	12.11	Mountain.
548	6,584	3,949	7,108	5,209	3,633	5,161	4,269	82	15.53	Mont.
284	4,393	3,520	3,009	2,534	2,534	2,605	2,254	75	13.50	Wyo.
7,011	21,150	9,780	19,902	18,694	6,948	13,533	12,712	68	8.54	Colo.
2,143	3,150	4,420	2,400	3,432	3,845	2,318	3,099	89	15.57	N. Mex.
500	1,014	1,120	1,408	1,014	1,344	1,019	1,268	125	32.51	Ariz.
204	432	432	513	522	497	604	620	120	34.78	Utah.
30	50	48	50	44	58	63	49	112	24.50	Nev.
353	3,198	2,708	3,116	2,438	2,435	2,555	2,243	92	42.32	Idaho.
3,240	6,932	6,616	6,971	7,146	6,076	6,863	7,248	101	35.70	Pacific.
832	2,030	1,715	1,501	1,794	1,629	1,432	1,770	99	33.61	Wash.
556	2,059	2,475	2,610	2,952	2,475	2,770	2,952	100	36.00	Oreg.
1,852	2,843	2,420	2,464	2,400	2,572	2,661	2,520	105	33.00	Calif.

Division and State	Acres					Yield per acre				
	1900-1913, average	1925	1926	1927	1928 (preliminary)	1900-1913, average	1925	1926	1927	1928 (preliminary)
United States	Thousands 47,087	Thousands 52,867	Thousands 56,359	Thousands 59,784	Thousands 57,724	Bushels 14.7	Bushels 12.9	Bushels 14.8	Bushels 14.9	Bushels 15.6
New England	4	9	8	5	5	25.3	26.4	20.0	18.4	10.2
Maine.....	3	7	6	4	4	25.0	28.0	20.0	18.0	20.0
Vermont.....	1	2	2	1	1	20.3	21.0	20.0	20.0	16.0
Middle Atlantic	1,685	1,489	1,516	1,469	1,494	17.4	19.9	19.6	19.2	15.5
New York.....	333	308	279	301	319	20.0	19.5	17.5	20.0	14.9
New Jersey.....	82	56	60	60	60	18.0	21.0	22.0	23.0	20.0
Pennsylvania.....	1,270	1,125	1,177	1,098	1,108	16.7	20.0	20.0	18.5	15.5
South Atlantic	2,476	1,912	2,058	2,193	2,029	12.6	15.2	17.7	13.3	14.2
Delaware.....	113	102	103	98	102	15.9	18.5	20.0	19.0	18.0
Maryland.....	602	495	520	525	530	15.1	21.0	23.0	17.5	16.5
Virginia.....	742	630	687	687	673	12.2	14.2	10.5	12.2	14.5
West Virginia.....	231	184	147	135	122	12.9	13.5	16.0	13.3	13.0
North Carolina.....	586	406	447	483	444	10.4	11.0	14.1	10.7	11.6
South Carolina.....	72	46	50	80	64	10.8	11.0	16.0	11.0	12.5
Georgia.....	130	99	104	125	94	10.8	10.5	15.0	9.2	11.0
East North Central	7,070	6,647	6,893	6,956	4,336	15.6	15.6	19.7	16.4	13.7
Ohio.....	1,878	1,616	1,795	1,615	872	14.8	15.0	22.5	18.0	10.9
Indiana.....	2,017	1,772	1,703	1,790	910	14.4	14.5	20.0	15.5	7.5
Illinois.....	2,135	2,290	2,283	2,609	1,563	15.1	16.1	18.0	13.9	15.5
Michigan.....	860	856	984	897	887	16.0	17.0	18.3	21.5	16.0
Wisconsin.....	180	113	128	145	104	18.6	20.1	20.3	21.7	20.6
West North Central	26,893	27,938	28,504	30,831	31,312	13.2	11.3	11.7	13.2	15.2
Minnesota.....	4,030	2,263	1,920	1,703	1,590	14.9	13.4	12.9	11.9	15.0
Iowa.....	630	888	878	441	428	10.0	16.2	21.4	18.7	19.3
Missouri.....	2,083	1,794	1,403	1,593	1,511	14.8	13.2	15.3	10.0	22.7
North Dakota.....	8,108	9,695	9,653	10,246	10,367	11.0	11.7	8.0	12.7	13.8
South Dakota.....	3,603	2,701	1,917	3,037	3,262	10.8	11.8	6.1	14.9	10.6
Nebraska.....	2,951	2,076	3,077	3,630	3,672	16.8	12.8	13.0	20.3	19.0
Kansas.....	5,688	5,601	10,147	9,946	10,473	13.5	9.0	14.8	11.2	17.0
East South Central	1,445	609	709	837	544	11.7	13.1	18.1	8.0	8.7
Kentucky.....	728	230	258	290	115	12.2	14.0	18.5	9.5	8.0
Tennessee.....	685	367	440	528	422	11.2	12.5	18.0	7.0	8.8
Alabama.....	5	7	7	7	4	11.3	11.0	13.4	10.6	11.0
Mississippi.....	27	5	4	6	3	12.6	18.0	17.0	17.0	20.0
West South Central	2,172	4,165	6,046	5,586	6,451	12.6	8.2	17.7	9.2	12.7
Texas.....	648	819	1,802	1,850	2,016	13.2	8.0	18.2	9.7	11.0
Oklahoma.....	1,436	3,316	4,214	3,708	4,413	12.0	8.2	17.5	9.0	13.5
Arkansas.....	88	30	30	28	22	11.8	13.0	13.5	11.5	11.5
Mountain	1,835	5,959	6,839	7,039	7,485	25.2	14.5	16.3	20.6	18.6
Montana.....	542	3,250	3,570	3,850	4,235	25.9	10.8	12.5	20.8	18.2
Wyoming.....	67	155	198	220	243	26.7	17.5	18.8	18.5	16.9
Colorado.....	419	1,208	1,455	1,419	1,339	23.2	11.8	12.7	14.2	13.9
New Mexico.....	50	80	249	55	186	21.4	6.2	22.7	10.4	11.0
Arizona.....	25	32	38	58	47	27.9	23.0	25.0	25.0	27.0
Utah.....	220	293	237	242	267	24.0	26.2	23.2	23.5	34.7
Nevada.....	32	15	17	18	18	23.1	30.4	24.0	25.6	26.8
Idaho.....	480	920	1,045	1,171	1,160	27.5	28.1	23.6	27.6	24.8
Pacific	3,417	3,639	3,786	4,138	4,078	21.2	19.4	18.9	23.9	21.7
Washington.....	2,207	2,072	2,107	2,261	2,271	21.9	19.4	19.4	25.8	21.4
Oregon.....	774	964	1,026	1,065	1,027	21.9	19.6	18.2	25.1	22.7
California.....	436	603	653	812	780	16.2	19.0	18.4	16.8	21.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

Production					Farm value, Dec. 1					Division and State	
1009-1913, average	1925	1926	1927	1928 (preliminary)	Amount			Per bushel, 1928	Per acre, 1928		
					1926	1927	1928 (preliminary)				
1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 dollars	1,000 dollars	1,000 dollars	Cents	Dollars		
690, 108	676, 765	681, 361	678, 374	602, 749	996, 308	976, 813	877, 193	97	15.20		U. S.
101	238	160	92	96	293	154	153	159	30.60		New Eng.
6, 674	5, 998	4, 887	72	80	210	128	132	165	33.00		Me.
20	42	40	20	10	53	28	21	131	21.00		Vt.
29, 297	29, 674	29, 740	27, 972	23, 073	38, 545	35, 387	30, 064	130	20.26		Mid. Atlantic.
1, 478	1, 176	1, 320	1, 380	1, 200	1, 742	1, 725	1, 488	124	24.80		N. Y.
21, 145	22, 500	23, 533	20, 301	17, 171	30, 359	25, 787	22, 148	129	19.09		N. J.
											Pa.
31, 320	29, 049	36, 371	28, 425	28, 900	48, 844	38, 135	39, 590	137	19.61		S. Atlantic.
1, 799	1, 887	2, 060	1, 862	1, 836	2, 678	2, 328	2, 295	125	22.50		Del.
9, 108	10, 395	11, 060	9, 188	8, 745	16, 548	11, 669	11, 106	127	20.95		Md.
9, 108	8, 946	11, 336	8, 381	9, 768	14, 850	11, 063	13, 173	135	19.57		Va.
2, 980	1, 800	2, 352	1, 796	1, 586	3, 175	2, 461	2, 173	137	17.81		W. Va.
6, 124	4, 466	6, 303	5, 168	5, 150	9, 013	7, 494	7, 828	152	17.63		N. C.
784	508	800	800	800	1, 240	1, 338	1, 288	161	20.13		S. C.
1, 417	1, 040	1, 560	1, 150	1, 034	2, 340	1, 782	1, 727	167	18.37		Ga.
110, 209	103, 708	136, 063	114, 073	59, 608	168, 783	139, 937	71, 828	121	16.57		E. N. Central.
28, 918	24, 304	40, 384	29, 068	9, 475	51, 280	36, 335	12, 388	131	14.21		Ohio.
30, 255	25, 700	34, 048	27, 749	9, 500	42, 216	34, 406	11, 871	124	13.05		Ind.
33, 677	36, 850	41, 034	34, 844	24, 200	50, 061	41, 690	27, 143	112	17.87		Ill.
14, 030	14, 557	17, 998	19, 270	14, 202	21, 958	23, 124	16, 164	128	20.48		Mich.
3, 329	2, 267	2, 590	3, 142	2, 141	3, 262	3, 076	2, 292	106	21.75		Wis.
356, 084	314, 636	338, 294	405, 591	476, 640	395, 978	444, 057	431, 843	91	13.79		W. N. Central.
50, 613	30, 260	24, 811	20, 925	23, 955	30, 441	22, 949	22, 948	96	14.35		Minn.
12, 000	6, 303	8, 078	8, 236	9, 270	9, 088	6, 623	8, 276	100	19.34		Iowa.
31, 011	22, 515	21, 474	15, 700	10, 194	26, 680	19, 146	23, 188	121	15.35		Mo.
80, 313	112, 387	77, 081	130, 191	142, 923	90, 185	133, 745	116, 469	81	11.14		N. Dak.
38, 608	31, 535	11, 611	45, 380	34, 540	13, 682	47, 990	29, 320	85	8.99		S. Dak.
49, 555	34, 150	40, 085	73, 820	60, 919	46, 753	80, 352	66, 498	94	17.84		Nebr.
75, 084	77, 388	150, 084	111, 327	177, 833	178, 599	130, 252	167, 144	94	15.96		Kans.
16, 965	7, 975	12, 855	6, 684	4, 738	17, 357	9, 186	6, 732	142	12.38		E. S. Central.
8, 896	3, 220	4, 773	2, 812	920	6, 848	3, 790	1, 270	138	11.04		Ky.
7, 705	4, 588	7, 920	3, 096	3, 714	10, 771	5, 187	5, 311	143	12.59		Tenn.
304	77	94	74	44	150	115	69	157	17.25		Ala.
60	90	68	102	60	88	138	82	137	27.33		Miss.
27, 395	34, 133	106, 946	51, 639	82, 005	126, 892	62, 161	64, 279	103	13.06		W. S. Central.
8, 944	6, 552	32, 796	17, 945	22, 176	39, 355	21, 713	24, 304	110	12.10		Tex.
17, 418	27, 191	73, 745	33, 372	59, 576	87, 019	40, 946	59, 576	100	13.50		Okl.
1, 033	390	405	322	263	518	402	309	122	14.05		Ark.
46, 169	86, 549	104, 400	145, 038	139, 338	114, 115	142, 431	120, 673	87	16.12		Mountain.
13, 593	35, 021	44, 744	80, 208	77, 218	50, 123	77, 089	64, 378	83	15.20		Mont.
1, 766	2, 720	3, 714	4, 139	4, 099	3, 974	3, 953	3, 388	83	13.94		Wyo.
9, 595	14, 988	18, 793	20, 112	18, 564	20, 124	20, 818	15, 815	85	11.81		Colo.
1, 064	492	5, 653	670	2, 054	6, 242	676	2, 201	107	11.83		N. Mex.
708	736	950	1, 450	1, 269	1, 235	1, 958	1, 650	130	35.11		Ariz.
5, 302	6, 094	5, 505	5, 078	6, 861	5, 772	5, 792	6, 738	98	26.22		Utah.
887	456	408	460	482	472	575	590	122	32.78		Nev.
13, 254	20, 042	24, 633	32, 374	28, 792	26, 173	31, 570	25, 913	90	22.34		Idaho.
72, 588	70, 601	71, 622	98, 860	88, 342	85, 531	109, 065	92, 031	104	22.57		Pacific.
48, 479	40, 251	40, 901	58, +36	48, 644	47, 404	62, 971	48, 620	100	21.41		Wash.
16, 945	18, 893	18, 706	26, 782	23, 318	22, 447	29, 996	24, 083	103	23.45		Oreg.
7, 144	11, 457	12, 015	13, 042	16, 380	16, 020	16, 098	19, 328	118	24.78		Calif.

No. 652.—OATS: AREA, PRODUCTION,

Division and State	Acres					Yield per acre				
	1900-1913, average	1925	1926	1927	1928 (preliminary)	1900-1913, average	1925	1926	1927	1928 (preliminary)
	Thousands	Thousands	Thousands	Thousands	Thousands	Bushels	Bushels	Bushels	Bushels	Bushels
United States.....	37,357	44,872	44,177	41,941	41,733	30.6	33.2	32.2	32.2	34.7
New England.....	241	255	256	245	233	37.7	42.1	37.5	37.4	34.2
Maine.....	132	135	136	124	120	38.5	45.0	38.0	37.0	35.0
New Hampshire.....	12	12	11	11	10	36.4	39.0	40.0	30.0	30.0
Vermont.....	76	84	82	83	79	38.1	40.0	38.0	39.0	34.0
Massachusetts.....	8	9	9	8	7	34.1	38.0	34.0	35.0	32.0
Rhode Island.....	2	2	3	2	2	28.7	33.0	32.0	32.0	28.0
Connecticut.....	11	13	15	15	15	31.0	33.0	32.0	32.0	27.0
Middle Atlantic.....	2,482	2,224	2,178	2,149	2,137	31.0	35.3	33.0	35.5	32.7
New York.....	1,280	1,017	1,017	1,000	1,020	31.3	36.0	34.0	35.0	33.0
New Jersey.....	70	50	50	49	50	29.5	30.0	33.0	36.0	30.0
Pennsylvania.....	1,132	1,157	1,111	1,100	1,067	30.7	35.0	32.0	36.0	32.5
South Atlantic.....	1,356	1,601	1,662	1,633	1,248	20.8	20.2	24.6	22.4	23.7
Delaware.....	4	4	4	4	4	30.1	26.0	28.0	20.0	30.0
Maryland.....	46	55	52	51	54	28.1	32.0	32.8	33.5	31.5
Virginia.....	103	102	136	136	182	20.9	21.5	26.0	21.5	25.5
West Virginia.....	110	188	207	217	204	24.2	27.0	28.0	24.2	28.0
North Carolina.....	220	258	310	273	191	17.0	19.0	22.0	21.0	22.0
South Carolina.....	338	378	416	449	337	21.5	19.0	25.2	23.0	23.0
Georgia.....	401	413	475	442	265	20.3	17.0	23.0	21.0	26.0
Florida.....	44	13	12	11	11	16.4	14.0	16.7	11.0	17.4
East North Central.....	11,593	13,215	12,838	11,895	13,722	33.5	36.2	31.8	30.2	38.2
Ohio.....	1,836	2,000	1,980	1,990	2,413	35.2	41.5	38.0	32.0	37.0
Indiana.....	1,730	2,138	2,050	1,948	2,532	31.2	28.0	30.0	26.0	37.0
Illinois.....	4,263	4,855	4,061	4,008	4,640	34.1	32.5	26.5	25.5	37.5
Michigan.....	1,486	1,619	1,570	1,617	1,633	31.6	32.0	33.0	33.5	35.8
Wisconsin.....	2,242	2,603	2,577	2,422	2,495	33.7	48.5	37.5	38.5	43.5
West North Central.....	16,807	22,513	21,094	20,333	19,516	28.0	34.1	24.4	27.3	34.5
Minnesota.....	2,060	4,770	4,532	4,350	4,080	32.8	42.0	28.5	26.8	37.5
Iowa.....	4,902	6,221	6,218	6,001	6,001	33.8	39.2	31.5	32.0	40.0
Missouri.....	1,170	1,923	2,173	1,505	1,006	25.0	26.0	20.0	17.0	28.0
North Dakota.....	2,208	2,354	2,024	2,125	1,034	25.0	27.0	17.0	21.5	31.0
South Dakota.....	1,558	2,834	1,984	2,550	2,193	24.1	34.0	11.7	20.3	27.0
Nebraska.....	2,335	2,699	2,537	2,441	2,392	23.6	27.4	20.7	28.6	33.0
Kansas.....	1,618	1,712	1,626	1,301	1,301	25.6	23.0	21.0	23.5	29.0
East South Central.....	879	684	683	543	604	20.3	20.3	24.2	18.1	23.2
Kentucky.....	166	247	250	215	305	22.5	21.0	24.5	19.0	26.0
Tennessee.....	311	221	270	179	188	21.0	22.0	25.0	21.5	21.5
Alabama.....	232	131	107	101	70	18.0	17.0	22.0	17.5	17.5
Mississippi.....	120	85	41	48	41	18.2	10.0	22.0	10.0	20.0
West South Central.....	1,825	2,522	3,577	3,367	2,491	25.8	17.8	35.8	20.2	25.4
Louisiana.....	37	30	30	35	44	21.1	21.0	20.0	17.5	21.5
Texas.....	740	1,091	1,904	2,003	1,402	29.5	12.3	42.6	21.0	25.5
Oklahoma.....	837	1,140	1,340	1,112	890	23.5	23.0	28.0	19.0	26.0
Arkansas.....	205	261	243	207	155	23.3	16.0	22.0	20.0	22.0
Mountain.....	1,366	1,233	1,200	1,148	1,123	42.2	29.5	28.8	38.2	36.1
Montana.....	425	605	641	596	554	46.1	22.5	26.0	40.0	36.5
Wyoming.....	180	134	120	120	132	36.3	35.0	35.0	36.0	31.0
Colorado.....	259	214	195	180	193	38.0	27.0	24.0	29.0	31.0
New Mexico.....	45	36	54	30	30	34.2	30.0	28.0	22.0	20.0
Arizona.....	6	12	15	17	14	41.4	30.0	35.0	36.0	38.0
Utah.....	87	60	54	51	55	45.2	40.0	40.0	42.0	45.0
Nevada.....	9	2	2	2	2	42.5	40.0	32.0	40.0	40.0
Idaho.....	325	170	119	143	137	44.5	40.0	40.0	47.0	47.0
Pacific.....	838	725	689	640	659	40.3	37.2	34.4	37.3	39.0
Washington.....	282	254	220	183	201	47.8	44.0	43.0	50.0	47.0
Oregon.....	354	320	304	310	304	37.5	33.0	29.0	34.0	36.0
California.....	202	151	156	147	154	34.0	34.7	32.5	28.5	34.5

Source: Bureau of Agricultural Economics, Department of Agriculture.

OAT CROP

AND FARM VALUE, BY STATES

Production					Farm value, Dec. 1					Division and State
1900-1913, average	1925	1926	1927	1928 (preliminary)	Amount			Per bushel, 1928	Per acre, 1928	
					1926	1927	1928 (preliminary)			
1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 dollars	1,000 dollars	1,000 dollars	Cents	Dollars	
1,143,407	1,487,560	1,248,848	1,182,694	1,449,531	498,582	531,762	592,674	41	14.20	U. S.
9,084	10,740	9,606	9,078	7,961	6,010	6,089	5,554	70	23.84	New Eng. Me. N. H. Vt. Mass. R. I. Conn.
5,078	6,075	5,168	4,588	4,200	3,256	3,120	2,940	54	24.50	
422	498	440	429	390	286	300	254	05	25.40	
2,905	3,300	3,110	3,237	2,686	1,870	2,104	1,880	07	23.80	
280	342	306	280	224	214	196	157	70	22.43	
67	00	00	04	59	07	48	39	70	19.50	
342	420	480	480	405	317	331	284	70	18.93	
76,931	78,607	71,780	76,984	69,638	35,534	41,589	37,350	54	17.48	Mid. Atl. N. Y. N. J. Pa.
40,071	36,612	34,578	35,000	33,660	17,289	19,260	18,176	54	17.82	
2,082	1,800	1,650	1,764	1,500	825	935	795	53	15.90	
34,778	40,495	35,552	39,600	34,678	17,420	21,384	18,379	53	17.22	
28,191	30,361	40,878	36,537	29,618	26,784	25,853	22,366	78	17.92	S. Atl. Del. Md. Va. W. Va. N. C. S. C. Ga. Fla.
120	100	112	116	120	66	79	72	60	18.00	
1,301	1,780	1,706	1,708	1,701	853	922	963	56	17.65	
4,038	4,128	4,836	3,999	4,641	3,047	2,559	2,970	04	16.32	
2,070	5,076	5,796	5,261	5,712	3,420	3,301	3,599	03	17.04	
3,935	4,902	6,820	5,733	4,202	4,706	4,128	3,278	78	17.16	
7,265	7,182	10,483	10,327	7,751	7,024	7,745	6,321	88	20.24	
8,130	7,021	10,925	9,282	5,300	7,538	6,962	4,505	85	17.00	
726	182	200	121	191	130	97	168	88	15.27	
387,565	478,706	408,704	359,121	524,286	153,479	162,977	210,216	40	15.32	
65,233	83,000	75,240	60,800	80,281	29,344	27,300	37,498	42	15.54	
54,719	59,804	61,500	48,700	93,084	21,525	20,941	34,663	37	13.69	
145,117	157,788	123,516	102,204	174,338	43,231	43,948	60,248	38	14.25	
46,904	51,808	51,810	54,170	55,461	20,724	26,002	25,138	43	15.39	
75,532	126,246	96,638	93,247	108,532	38,655	43,827	46,060	43	18.71	
485,175	787,444	613,748	556,007	674,176	186,893	224,300	244,738	36	12.54	W. N. C. Minn. Iowa. Mo. N. Dak. S. Dak. Nebr. Kans.
97,204	200,340	120,162	116,580	153,338	43,915	46,632	53,068	35	13.12	
166,175	243,863	195,867	192,032	240,040	68,553	80,653	88,816	37	14.80	
30,135	49,998	43,460	26,065	44,968	18,253	12,564	18,887	42	11.76	
57,627	93,558	34,408	45,988	59,954	11,355	15,091	17,980	30	9.80	
37,068	96,356	23,213	74,715	59,211	8,357	26,897	19,540	33	8.91	
55,986	73,953	52,516	69,813	78,036	21,006	27,925	29,906	38	12.54	
40,290	39,376	35,122	30,574	37,729	15,454	13,758	15,346	42	12.18	
17,833	13,891	16,502	9,808	14,017	9,354	6,153	8,479	61	14.04	
3,717	5,187	0,340	4,035	7,930	3,363	2,451	4,520	57	14.82	
6,549	4,862	0,900	3,043	4,042	3,795	1,826	2,425	60	12.90	
5,354	2,227	2,354	1,798	1,225	1,001	1,238	919	75	13.13	
2,203	1,615	002	912	820	605	638	615	75	15.00	
47,174	44,445	127,350	67,943	63,379	48,966	31,871	31,822	50	12.77	W. S. C. La. Tex. Okla. Ark.
782	630	708	612	1,078	511	404	701	65	15.93	
22,880	13,419	83,066	42,063	35,751	31,793	19,770	18,233	51	13.00	
18,678	26,220	37,520	21,128	23,140	13,882	9,296	10,876	47	12.22	
4,825	4,176	5,346	4,140	3,410	2,780	2,401	2,012	59	12.93	
57,676	36,390	34,567	43,856	40,542	17,501	20,430	18,184	45	16.19	Mountain. Mont. Wyo. Colo. N. Mex. Ariz. Utah. Nev. Idaho.
19,533	13,612	16,066	23,840	20,221	8,833	10,400	8,291	41	14.97	
0,595	4,690	4,200	4,320	4,062	1,890	1,814	1,841	45	13.95	
10,966	5,778	4,050	5,481	5,983	2,050	2,631	2,692	45	13.95	
1,542	720	1,512	660	720	847	370	432	60	12.00	
1,249	300	525	612	532	394	428	399	75	28.50	
3,928	2,820	2,160	2,142	2,475	1,206	1,285	1,386	56	25.20	
373	80	64	80	80	40	52	52	65	26.00	
14,492	8,330	4,760	6,721	6,439	2,142	3,360	3,091	43	22.56	
33,786	26,976	23,733	23,880	25,704	12,061	13,350	13,966	54	21.19		Pacific. Wash. Oreg. Calif.
13,493	11,176	9,847	9,150	9,447	5,219	5,124	5,196	55	25.85	
13,292	10,569	8,810	10,549	10,944	4,408	5,586	5,581	51	18.36	
7,001	5,240	5,070	4,190	5,313	2,434	2,640	3,188	60	20.70	

No. 653.—BARLEY: AREA, PRODUCTION,

Division and State	Acres					Yield per acre				
	1900-1913, average	1925	1926	1927	1928 (preliminary)	1900-1913, average	1925	1926	1927	1928 (preliminary)
United States	Thousands 7, 619	Thousands 7, 997	Thousands 7, 970	Thousands 9, 476	Thousands 12, 639	Bushels 24.3	Bushels 26.7	Bushels 23.2	Bushels 28.1	Bushels 28.5
New England.....	17	9	10	10	10	29.1	33.0	30.0	28.2	28.2
Maine.....	4	3	4	4	4	28.3	35.0	30.0	27.0	26.2
New Hampshire.....	1					26.2				28.0
Vermont.....	12	6	6	6	6	31.7	32.0	30.0	29.0	25.0
Middle Atlantic.....	87	173	198	211	200	26.2	28.7	26.2	26.0	27.5
New York.....	80	157	179	188	169	26.2	29.0	28.3	29.0	27.5
New Jersey.....	1	1	1	2	2		27.0	33.0	37.0	30.0
Pennsylvania.....	7	15	18	21	29	25.4	25.5	27.0	28.0	27.0
South Atlantic.....	14	38	39	42	50	26.2	27.4	30.0	26.0	26.2
Maryland.....	4	12	10	9	13	28.4	33.0	34.3	30.5	31.6
Virginia.....	10	16	14	13	14	26.4	26.0	31.0	26.0	26.0
North Carolina.....	7	10	15	20	32		23.0	26.0	24.0	23.0
East North Central.....	983	992	1, 005	1, 449	2, 102	26.7	33.1	32.3	31.1	31.6
Ohio.....	25	110	116	155	333	27.3	31.0	32.0	27.0	27.0
Indiana.....	9	32	23	35	94	26.3	23.0	26.0	23.8	24.0
Illinois.....	57	260	302	453	680	28.7	33.0	31.0	26.5	29.5
Michigan.....	90	129	133	189	270	25.1	24.5	28.5	28.5	30.0
Wisconsin.....	802	461	521	620	725	26.8	36.8	34.5	34.5	37.1
West North Central.....	4, 491	4, 539	4, 327	5, 482	7, 711	20.5	24.0	18.0	27.3	27.3
Minnesota.....	1, 488	1, 098	1, 307	1, 400	2, 000	23.2	30.0	25.0	30.0	30.0
Iowa.....	403	175	268	454	808	25.9	31.3	30.5	31.4	33.5
Missouri.....	0	6	9	7	17	23.8	31.0	24.0	23.0	22.0
North Dakota.....	1, 162	1, 732	1, 472	1, 063	2, 179	19.2	22.5	14.3	25.5	25.5
South Dakota.....	1, 007	915	778	1, 200	1, 644	17.3	26.0	10.1	30.0	21.7
Nebraska.....	117	233	227	240	430	17.9	24.3	20.7	30.8	32.6
Kansas.....	218	380	260	452	633	14.8	16.0	11.4	12.6	27.9
East South Central.....	6	28	47	48	23	23.8	23.6	30.4	20.0	20.4
Kentucky.....	3	6	7	6	2	25.0	26.0	33.0	27.0	25.0
Tennessee.....	3	22	40	42	21	25.2	23.0	30.0	19.0	20.0
West South Central.....	14	242	284	231	179	22.1	10.7	31.0	16.1	21.1
Texas.....	5	116	174	195	156	24.1	7.2	35.0	16.0	21.0
Oklahoma.....	9	120	110	36	23	18.4	14.0	27.0	16.5	22.0
Mountain.....	352	749	744	860	1, 051	37.6	26.5	23.4	30.0	26.5
Montana.....	37	130	150	195	209	33.0	21.0	24.0	33.0	30.5
Wyoming.....	11	34	42	59	77	31.0	33.0	33.0	34.0	36.0
Colorado.....	79	410	380	410	647	33.7	21.0	16.0	22.0	24.0
New Mexico.....	2	5	8	8	12	31.4	17.0	26.0	18.0	19.0
Arizona.....	35	20	25	20	17	38.3	35.0	35.0	35.0	38.0
Utah.....	26	18	20	30	34	40.5	43.0	40.0	47.0	46.0
Nevada.....	12	8	7	9	11	40.0	48.0	40.0	45.0	40.0
Idaho.....	150	124	112	129	144	40.1	44.0	37.0	44.0	43.0
Pacific.....	1, 655	1, 237	1, 226	1, 143	1, 204	29.8	31.4	30.1	28.8	31.1
Washington.....	177	91	64	53	55	37.8	34.0	34.0	42.0	35.5
Oregon.....	115	96	82	91	105	33.6	33.0	28.0	35.0	35.0
California.....	1, 363	1, 050	1, 080	994	1, 044	28.3	31.0	30.0	27.5	30.5

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

Production					Farm value, Dec. 1					Division and State
1909-1913, average	1925	1926	1927	1928 (preliminary)	Amount			Per bushel, 1928	Per acre, 1928	
					1926	1927	1928 (preliminary)			
1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 dollars	1,000 dollars	1,000 dollars	Cents	Dollars	
184,812	213,983	184,905	265,882	356,868	106,237	180,200	197,128	55	16.72	United States.
528	297	300	282	262	268	267	288	110	28.80	New England.
110	105	120	108	112	110	102	123	110	30.75	Maine.
26										New Hampshire.
381	192	180	174	160	153	165	165	110	27.50	Vermont.
2,280	4,968	5,685	6,114	5,491	4,217	4,911	4,335	79	21.68	Middle Atlantic.
2,093	4,553	5,060	5,452	4,618	3,800	4,362	3,625	78	21.45	New York.
	27	33	74	60	28	61	52	86	26.00	New Jersey.
187	383	480	588	783	380	488	658	84	22.60	Pennsylvania.
395	1,042	1,167	1,092	1,545	1,055	1,060	1,671	102	26.63	South Atlantic.
126	396	343	274	403	274	238	343	85	26.33	Maryland.
260	416	431	338	406	391	204	345	85	24.04	Virginia.
	230	390	480	736	390	528	883	120	27.59	North Carolina.
26,294	32,521	35,413	45,073	66,505	22,258	33,448	40,632	61	10.33	East North Central.
675	3,410	3,712	4,185	9,191	2,301	3,013	5,515	60	16.56	Ohio.
242	736	575	833	2,250	380	608	1,331	59	14.16	Indiana.
1,633	8,250	9,362	13,364	20,060	5,430	9,756	10,632	53	15.64	Illinois.
2,249	8,160	3,700	5,301	8,100	2,464	4,029	5,670	70	21.00	Michigan.
21,405	16,065	17,974	21,390	26,898	11,083	16,042	17,484	65	24.12	Wisconsin.
92,286	113,166	77,704	149,895	210,360	30,758	91,231	101,812	48	18.22	West North Central.
34,487	32,940	32,675	43,800	60,000	10,664	28,470	30,600	50	15.00	Minnesota.
12,714	5,478	8,174	14,256	27,088	4,577	9,409	14,617	54	18.09	Iowa.
154	186	210	161	374	173	153	209	80	17.59	Missouri.
22,531	38,970	21,050	42,406	55,594	9,633	25,020	23,893	43	10.97	North Dakota.
17,237	23,790	7,858	36,000	35,675	4,086	20,880	17,121	48	10.42	South Dakota.
2,085	5,662	4,690	7,577	14,018	2,725	4,167	7,149	51	16.63	Nebraska.
3,075	6,080	3,032	5,695	17,661	1,850	3,132	8,830	50	13.95	Kansas.
143	662	1,431	960	470	1,361	945	608	108	22.00	East South Central.
78	156	231	162	50	199	147	46	91	23.00	Kentucky.
65	506	1,200	798	420	1,152	798	462	110	22.00	Tennessee.
309	2,590	9,060	3,714	3,782	4,951	2,570	2,730	72	15.20	West South Central.
132	835	6,090	3,120	3,276	3,228	2,184	2,391	73	15.33	Texas.
177	1,764	2,970	594	506	1,723	380	329	65	14.30	Oklahoma.
13,246	10,861	17,373	25,796	30,984	10,666	16,018	18,224	59	17.34	Mountain.
1,244	2,730	3,600	6,435	6,374	2,304	3,861	3,560	50	17.08	Montana.
345	1,122	1,380	2,066	2,310	859	1,224	1,466	61	18.80	Wyoming.
2,063	8,610	6,080	6,020	13,128	3,344	5,051	7,089	54	12.96	Colorado.
72	85	208	144	228	135	101	171	75	14.25	New Mexico.
1,350	700	875	700	618	744	525	517	80	30.41	Arizona.
1,044	774	800	1,410	1,666	576	1,072	1,216	73	35.76	Utah.
480	384	280	405	440	238	324	352	80	32.00	Nevada.
6,042	5,456	4,144	5,676	6,192	2,486	3,860	3,901	63	27.00	Idaho.
49,333	38,812	36,872	32,956	37,460	21,696	29,750	26,838	72	22.37	Pacific.
6,714	3,094	2,176	2,436	1,652	1,414	1,876	1,366	70	24.84	Washington.
3,884	8,108	2,290	3,185	3,675	1,492	2,452	2,646	72	25.20	Oregon.
38,735	32,550	32,400	27,336	31,842	18,792	25,422	22,026	72	21.96	California.

No. 654.—RYE AND RICE: AREA, PRODUCTION,

RYE

Division and State	Acres					Yield per acre				
	1909-1913, average	1925	1926	1927	1928 (preliminary)	1909-1913, average	1925	1926	1927	1928 (preliminary)
United States	Thousands 2, 167	Thousands 3, 974	Thousands 3, 574	Thousands 3, 648	Thousands 3, 444	Bushels 16.1	Bushels 11.7	Bushels 11.4	Bushels 15.9	Bushels 13.1
Massachusetts	4					17.2				
Connecticut	8	1				18.8	10.0			
New York	145	37	25	21	20	17.1	16.5	15.5	17.5	15.7
New Jersey	76	44	41	36	41	17.2	18.0	10.0	20.0	18.5
Pennsylvania	317	113	93	86	103	16.5	17.0	16.0	17.0	15.5
Delaware	1	5	4	3	3	14.5	15.0	15.0	15.0	15.0
Maryland	25	18	15	14	15	14.9	10.0	18.0	15.3	15.0
Virginia	38	36	43	42	40	14.4	12.0	13.5	11.8	13.5
West Virginia	15	10	12	8	7	12.3	13.0	13.0	13.0	13.5
North Carolina	33	80	104	94	80	9.8	11.5	13.0	12.0	11.5
South Carolina	3	7	8	9	7	10.0	10.5	14.0	13.0	11.5
Georgia	13	20	22	26	22	9.5	9.3	12.0	10.0	10.0
Ohio	05	55	50	35	30	16.2	15.0	17.5	16.0	13.3
Indiana	70	145	145	110	86	13.1	11.4	14.5	13.6	11.0
Illinois	58	80	83	62	62	16.9	13.8	15.0	14.5	14.5
Michigan	370	218	173	178	182	14.6	12.5	13.5	14.7	13.0
Wisconsin	343	256	256	238	107	17.0	14.8	15.0	17.0	13.0
Minnesota	207	448	440	383	402	19.3	13.0	13.5	18.3	14.8
Iowa	42	32	31	43	54	18.3	16.4	17.5	15.0	18.0
Missouri	15	22	24	16	19	14.8	12.0	12.0	11.0	12.0
North Dakota	50	1,587	1,222	1,331	1,271	15.2	10.0	7.0	16.7	10.0
South Dakota	29	177	103	154	162	15.4	9.5	6.2	18.0	9.0
Nebraska	76	205	253	274	240	15.2	12.3	10.3	15.0	14.0
Kansas	34	43	41	45	32	13.8	8.9	11.7	12.8	10.2
Kentucky	18	15	18	14	7	12.6	13.0	15.5	11.0	12.4
Tennessee	14	20	32	26	25	11.4	11.0	14.0	8.0	8.2
Alabama	1					11.2				
Texas	3	14	20	14	15	13.9	4.0	10.0	7.0	12.0
Oklahoma	4	33	36	22	26	11.6	12.0	15.5	9.0	12.0
Arkansas	1	1	1	1	1	10.9	11.0	11.0	10.0	9.0
Montana	9	80	107	134	164	23.3	12.5	12.0	18.0	14.0
Wyoming	2	57	51	54	40	20.5	12.0	14.0	12.5	11.0
Colorado	15	85	85	76	74	16.9	10.0	11.5	10.5	11.0
Utah	6	3	4	4	3	17.6	11.0	9.0	10.0	8.0
Idaho	3	3	3	3	3	21.6	20.0	15.5	16.0	16.0
Washington	7	15	18	22	18	20.9	11.0	12.0	16.0	15.5
Oregon	17	10	10	10	8	17.0	14.0	13.0	16.0	15.0
Other States	30	1	1	1	1		4.0	18.0	6.0	12.0

RICE (ROUGH)

United States	716	889	1,034	1,012	965	33.3	37.5	40.4	44.2	43.4
South Carolina	12	5	5			22.7	16.0	17.0		
Georgia	3	3	3			20.9	17.0	20.0		
Florida	1					24.2				
Mississippi	2	1	1			31.8	18.0	18.0		
Louisiana	363	430	501	500	484	32.4	33.3	32.5	40.0	38.0
Texas	261	168	166	174	174	33.8	37.0	37.0	46.2	42.0
Arkansas	71	175	199	175	164	38.5	43.0	53.0	44.0	47.0
California	2	103	149	160	133	34.2	46.6	53.6	56.0	60.7
Other States	1	4	10	3	10		75.0	61.0	25.0	40.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

RYE AND RICE CROPS

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AND FARM VALUE, BY STATES

RYE

Production					Farm value, Dec. 1					Division and State
1909-1913, average	1925	1926	1927	1928 (preliminary)	Amount			Per bushel, 1928	Per acre, 1928	
					1926	1927	1928 (preliminary)			
1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 dollars	1,000 dollars	1,000 dollars	Cents	Dollars	
36,093	46,466	40,749	68,184	41,786	58,991	49,609	36,087	86	10.47	
55	143	19								United States.
2,289	610	388	308	314	388	386	352	112	17.60	Massachusetts
1,232	702	779	720	758	740	698	788	104	19.22	Connecticut.
4,641	1,921	1,488	1,462	1,506	1,443	1,535	1,708	107	16.68	New York.
15	75	60	45	45	66	52	54	120	18.00	New Jersey.
415	342	270	214	225	284	235	259	115	17.27	Pennsylvania.
626	432	580	496	621	650	570	745	120	10.20	Delaware.
215	130	156	104	94	172	114	108	115	15.43	Maryland.
463	920	1,352	1,128	1,024	1,690	1,523	1,485	145	10.69	Virginia.
30	71	112	117	80	196	205	148	185	21.14	West Virginia.
114	186	264	260	220	422	429	385	175	17.50	North Carolina.
1,131	825	875	500	390	770	515	411	103	13.70	South Carolina.
1,226	1,653	2,102	1,618	946	1,787	1,424	889	94	10.34	Georgia.
902	1,104	1,245	890	890	1,071	827	827	92	13.34	Ohio.
5,801	2,700	2,336	2,017	2,306	1,822	2,329	2,200	93	12.09	Indiana.
6,135	3,789	3,840	4,040	2,171	3,226	3,041	1,954	90	11.70	Illinois.
5,127	5,824	5,040	7,000	5,950	4,514	5,058	5,058	85	12.58	Michigan.
739	525	542	645	972	444	555	856	86	15.48	Wisconsin.
252	204	310	170	223	350	194	242	106	12.74	Minnesota.
880	15,870	9,287	23,063	12,710	6,780	18,450	9,660	70	7.60	Iowa.
314	1,682	639	2,772	1,458	466	2,190	1,162	79	7.11	Missouri.
1,056	2,522	2,606	4,110	3,486	1,081	3,165	2,654	77	10.78	North Dakota.
1,305	383	480	576	518	451	530	425	82	13.28	South Dakota.
206	165	279	154	87	301	185	115	132	16.43	Nebraska.
223	220	448	208	205	538	268	283	138	11.32	Kansas.
11										Kentucky.
21	50	380	98	180	300	93	185	103	12.33	Tennessee.
49	306	558	198	312	502	196	287	92	11.04	Alabama.
11	11	11	10	0	14	14	13	140	18.00	Texas.
153	1,000	1,284	2,412	2,156	963	1,761	1,498	69	9.66	Oklahoma.
49	684	714	675	440	478	460	317	72	7.93	Arkansas.
342	850	978	798	814	694	559	570	70	7.70	Montana.
115	33	36	40	24	29	33	21	87	7.00	Wyoming.
65	60	46	48	48	34	36	35	72	11.67	Colorado.
150	165	216	352	279	216	317	251	90	13.94	Utah.
300	140	130	160	120	125	152	122	102	15.25	Idaho.
142	4	18	6	12	15	4	10	80	10.00	Washington.
										Oregon.
										Other States.

RICE (ROUGH)

28,770	33,309	41,730	44,774	41,881	45,722	41,616	37,077	89	38.42	United States.
264	80	85			102					South Carolina.
65	51	60			66					Georgia.
15										Florida.
58	18				22					Mississippi.
11,754	14,310	10,282	20,000	18,302	17,096	17,400	16,563	90	34.20	Louisiana.
8,823	6,216	6,142	8,039	7,368	6,756	6,914	6,431	88	36.96	Texas.
2,092	7,525	10,547	7,708	7,708	10,547	6,930	6,629	86	40.42	Arkansas.
74	4,800	7,986	8,000	8,073	10,462	10,394	7,104	88	53.41	California.
25	300	610	75	490	671	68	360	90	30.00	Other States.

No. 655.—POTATOES: AREA, PRODUCTION,

Division and State	Acres					Yield per acre				
	1909-1913, average	1925	1926	1927	1928 (preliminary)	1909-1913, average	1925	1926	1927	1928 (preliminary)
	Thousands 3, 677	Thousands 3, 074	Thousands 3, 120	Thousands 3, 476	Thousands 3, 476	Bushels 87	Bushels 104	Bushels 114	Bushels 116	Bushels 121
United States.....	3, 677	3, 074	3, 120	3, 476	3, 476	87	104	114	116	121
New England.....	222	196	188	225	239	172	214	247	203	195
Maine.....	126	135	127	161	172	209	250	200	232	220
New Hampshire.....	17	11	11	12	12	133	145	165	150	138
Vermont.....	26	19	20	21	21	131	125	155	155	142
Massachusetts.....	25	14	13	14	15	110	140	155	100	108
Rhode Island.....	5	2	3	2	2	123	140	150	110	122
Connecticut.....	23	15	14	15	17	100	135	155	100	130
Middle Atlantic.....	731	527	496	547	587	91	102	118	117	125
New York.....	378	270	248	270	284	95	86	117	106	114
New Jersey.....	86	55	50	57	57	94	100	145	161	160
Pennsylvania.....	267	202	198	220	240	84	123	112	120	130
South Atlantic.....	255	343	355	378	449	83	80	90	123	123
Delaware.....	11	6	6	6	7	80	64	80	119	94
Maryland.....	40	37	39	43	47	84	73	90	122	115
Virginia.....	96	130	124	130	151	83	90	94	152	143
West Virginia.....	45	47	47	52	60	86	87	106	113	125
North Carolina.....	31	58	67	72	95	75	78	94	102	111
South Carolina.....	10	25	20	20	36	83	96	111	105	113
Georgia.....	12	17	19	17	22	70	49	63	77	76
Florida.....	10	23	24	29	31	89	124	118	105	125
East North Central.....	1, 056	693	695	782	838	95	100	109	89	112
Ohio.....	192	113	107	116	123	83	106	94	105	98
Indiana.....	89	50	48	53	61	81	83	80	95	109
Illinois.....	137	72	61	64	70	73	60	80	84	110
Michigan.....	350	237	249	289	306	101	103	120	80	117
Wisconsin.....	288	211	220	260	278	108	112	118	92	115
West North Central.....	800	738	718	777	887	82	78	87	100	111
Minnesota.....	238	276	298	328	354	107	97	100	101	110
Iowa.....	108	83	74	75	81	78	63	79	82	135
Missouri.....	94	76	81	68	85	64	57	80	83	121
North Dakota.....	50	104	94	113	141	97	72	80	102	108
South Dakota.....	57	61	55	60	67	76	65	60	115	90
Nebraska.....	116	84	73	84	105	64	75	73	104	96
Kansas.....	77	54	43	40	54	56	67	91	110	140
South Central.....	117	119	123	136	153	75	59	82	85	93
Kentucky.....	53	46	47	52	57	75	60	96	91	105
Tennessee.....	39	37	35	39	43	70	58	78	88	95
Alabama.....	15	25	29	33	38	81	57	70	75	74
Mississippi.....	10	11	12	12	15	85	67	71	78	89
West South Central.....	127	123	141	150	179	61	62	64	66	74
Louisiana.....	22	30	30	41	41	68	60	61	65	70
Texas.....	47	26	30	35	39	55	53	70	69	69
Oklahoma.....	31	39	43	45	63	64	72	67	65	80
Arkansas.....	27	28	32	20	36	70	60	60	68	75
Mountain.....	189	206	249	298	318	129	170	145	169	139
Montana.....	29	35	35	36	37	151	108	85	135	115
Wyoming.....	10	12	13	17	21	116	129	112	137	112
Colorado.....	85	62	82	96	110	101	105	145	160	122
New Mexico.....	9	2	2	2	2	76	77	83	75	96
Arizona.....	1	3	4	4	3	95	56	55	50	74
Utah.....	16	15	17	22	23	165	160	145	135	144
Nevada.....	8	4	5	6	6	160	170	140	130	140
Idaho.....	31	73	91	115	116	175	106	178	212	170
Pacific.....	180	139	155	183	175	130	142	143	151	132
Washington.....	60	50	67	79	67	150	155	160	170	135
Oregon.....	49	40	45	52	52	137	104	100	120	120
California.....	71	43	43	52	56	129	150	161	153	138

Source: Bureau of Agricultural Economics, Department of Agriculture.

POTATO CROP

AND FARM VALUE, BY STATES

Production					Farm value, Dec. 1					Division and State	
1900-1913, average	1925	1926	1927	1928 (preliminary)	Amount			Per bushel, 1928	Per acre, 1928		
					1926	1927	1928 (preliminary)				
					1,000 bushels 357,699	1,000 bushels 320,816	1,000 bushels 354,468				1,000 bushels 402,741	1,000 bushels 462,943	1,000 dollars 501,186	1,000 dollars 388,741	1,000 dollars 250,043	Cents 64	Dollars 65.37
38,108	41,985	46,380	45,032	46,552	64,753	43,547	22,063	49	94.92	New Eng. Me. N. H. Vt. Mass. R. I. Conn.	
20,485	33,750	36,830	37,352	37,840	48,984	31,740	15,136	40	88.00		
2,208	1,505	1,815	1,800	1,650	3,086	2,520	1,325	80	110.42		
3,422	2,375	3,100	3,255	2,082	4,340	4,000	2,635	85	120.71		
2,033	1,060	2,015	1,400	1,020	3,627	2,170	1,458	90	97.20		
614	280	450	220	244	810	341	220	90	110.00		
2,470	2,025	2,170	1,635	2,210	3,906	2,698	1,889	90	117.00		
60,557	53,896	58,442	64,197	78,470	95,363	77,550	46,391	63	79.03		Mid. Atl. N. Y. N. J. Pa.
30,024	23,220	20,010	28,020	32,370	40,426	35,775	21,044	65	74.10		
8,141	5,830	7,250	0,177	0,120	11,238	10,095	4,560	50	80.00		
22,392	24,846	22,170	20,400	31,080	37,600	31,680	20,787	65	84.50		
21,210	29,483	34,237	46,347	55,320	56,636	63,714	37,336	67	82.93	S. Atl. Del. Md. Va. N. C. S. C. Ga. Fla.	
602	384	510	714	668	722	671	494	75	70.67		
3,328	2,701	3,510	5,246	5,405	4,014	5,508	2,702	50	57.49		
7,084	11,700	11,650	10,760	21,593	16,318	25,688	10,790	50	71.50		
8,016	4,080	4,982	5,870	7,500	8,320	7,345	0,000	80	100.00		
2,340	4,524	6,325	7,368	10,545	10,120	11,052	6,854	65	72.15		
813	2,400	3,210	3,034	4,068	5,472	5,795	2,044	65	73.44		
940	833	1,197	1,304	1,682	2,274	2,152	1,034	115	87.91		
918	2,852	2,832	3,045	3,876	8,400	5,633	6,812	150	187.48		
99,847	68,491	75,798	60,631	94,175	100,399	97,476	45,808	49	54.66		E. N. Cen. Ohio. Ind. Ill. Mich. Wis.
16,090	11,978	10,058	12,180	12,064	17,099	14,616	9,040	75	73.50		
7,322	4,150	3,840	5,035	6,040	6,336	5,538	4,654	70	76.30		
0,909	4,320	4,880	5,376	7,700	8,540	6,182	5,005	65	71.50		
35,289	24,411	26,880	23,120	35,802	35,856	20,868	14,321	40	46.80		
31,147	23,632	27,140	23,920	31,070	32,568	20,332	12,788	40	46.00		
65,903	57,704	62,198	77,042	98,636	84,073	54,144	38,726	30	43.66	W. N. Cen. Minn. Iowa. Mo. N. Dak. S. Dak. Nebr. Kans.	
26,676	26,772	20,800	33,128	38,040	34,270	19,877	11,682	30	35.00		
13,311	5,220	5,846	6,150	10,035	9,938	6,150	5,677	51	68.85		
6,107	4,332	6,480	5,644	10,285	11,016	6,491	6,171	60	72.60		
4,875	7,488	7,520	11,523	14,805	9,024	5,703	4,442	30	31.50		
4,328	3,965	3,360	6,900	6,030	5,247	3,795	2,412	40	36.00		
7,330	6,300	5,329	8,904	10,680	8,526	6,678	5,040	50	48.00		
4,207	3,618	3,913	5,300	7,560	6,652	5,390	3,402	45	63.00		
8,782	6,994	10,124	11,575	14,212	10,671	16,041	12,450	88	81.37		S. Cen. Ky. Tenn. Ala. Miss.
4,005	2,760	4,512	4,732	5,085	6,994	6,152	4,788	80	84.00		
2,722	2,072	2,730	3,432	4,085	4,280	4,633	3,670	90	85.49		
1,243	1,425	2,030	2,475	2,812	3,857	3,712	2,390	85	62.89		
812	737	852	936	1,330	1,534	1,544	1,506	120	106.40		
7,717	7,666	9,076	9,878	15,301	16,786	16,432	11,691	87	64.25		
1,521	1,800	2,190	2,605	2,870	4,172	4,397	2,870	100	70.00	W. S. Cen. La. Tex. Okla. Ark.	
2,604	1,378	2,100	2,310	2,691	4,200	3,812	2,691	100	69.00		
1,072	2,308	2,860	2,925	5,040	4,862	5,265	3,780	75	60.00		
1,920	1,680	1,920	1,972	2,700	3,552	2,958	2,160	80	60.00		
24,376	35,019	36,070	50,189	44,263	42,083	29,541	21,355	48	67.15	Mountain. Mont. Wyo. Colo. N. Mex. Ariz. Utah. Nev. Idaho.	
4,323	3,780	2,975	4,893	4,355	3,570	3,159	2,340	55	63.24		
1,164	1,440	1,456	2,329	2,352	1,820	1,630	1,529	65	72.81		
8,557	12,990	11,890	14,409	13,420	15,467	7,926	6,039	45	54.90		
987	150	166	150	132	200	180	125	95	62.50		
95	171	220	222	222	440	352	244	110	81.33		
2,745	2,400	2,465	2,970	3,312	2,588	2,228	1,490	45	64.78		
1,395	680	760	780	840	910	663	714	85	119.00		
5,410	14,308	16,108	24,360	16,720	17,008	13,409	8,874	45	76.60		
26,103	19,677	22,143	27,028	23,013	23,822	20,296	13,013	61	79.50		Pacific. Wash. Oreg. Calif.
9,074	8,680	10,720	13,430	9,045	10,184	8,058	4,522	50	67.49		
0,851	4,160	4,500	6,240	6,240	4,500	4,680	4,368	70	84.00		
9,178	6,837	6,923	7,956	7,728	9,138	7,558	5,023	65	80.70		

No. 656.—SWEET POTATOES AND TOBACCO: AREA

SWEET POTATOES

State	Acres					Yield per acre				
	1909-1913, average	1925	1926	1927	1928 (preliminary)	1909-1913, average	1925	1926	1927	1928 (preliminary)
United States.	Thousands 610	Thousands 779	Thousands 819	Thousands 953	Thousands 810	Bushels 93	Bushels 80	Bushels 101	Bushels 101	Bushels 98
New Jersey.....	23	16	17	15	16	130	117	145	126	145
Pennsylvania.....	1	1				100	116			
Delaware.....	5	8	0	8	7	127	110	139	110	140
Maryland.....	8	9	11	11	10	121	120	105	144	150
Virginia.....	36	37	43	43	44	198	108	125	135	144
West Virginia.....	2	3	3	2	2	103	92	110	110	102
North Carolina.....	80	80	84	89	89	96	88	90	114	98
South Carolina.....	49	62	47	53	49	93	55	80	100	86
Georgia.....	33	110	110	132	119	87	47	89	80	86
Florida.....	21	29	28	29	28	109	85	100	92	88
Ohio.....	1	3	3	3	3	106	115	105	133	120
Indiana.....	1	2	3	2	2	103	108	110	112	116
Illinois.....	9	12	13	10	10	95	88	110	103	98
Iowa.....	2	3	3	3	3	97	109	103	90	123
Missouri.....	7	10	10	12	11	85	95	112	112	105
Kansas.....	5	3	4	3	2	84	110	129	136	130
Kentucky.....	10	14	17	16	14	87	90	120	93	89
Tennessee.....	23	36	50	48	41	85	90	123	98	95
Alabama.....	97	95	95	78	70	91	70	100	98	93
Mississippi.....	55	92	55	69	55	91	96	104	112	110
Louisiana.....	59	72	79	99	74	88	80	90	98	90
Texas.....	42	84	92	133	109	90	73	93	90	78
Oklahoma.....	5	20	24	23	20	74	94	105	106	89
Arkansas.....	20	36	34	38	28	85	85	108	116	90
California.....	5	9	12	12	12	157	112	97	90	96
Other States.....		3	3	2	2		133	145	111	130

TOBACCO

United States.	Thousands 1,223	Thousands 1,757	Thousands 1,656	Thousands 1,585	Thousands 1,512	Pounds 817	Pounds 783	Pounds 784	Pounds 765	Pounds 718
Massachusetts.....	6	8	6	7	8	1,046	1,243	1,448	1,223	1,245
Connecticut.....	17	30	22	24	25	1,651	1,352	1,340	1,223	1,190
New York.....	4	2	1	1	1	1,215	1,100	1,109	1,200	1,275
Pennsylvania.....	43	41	33	34	37	1,311	1,400	1,320	1,360	1,340
Maryland.....	27	30	31	32	31	707	823	840	818	700
Virginia.....	185	200	189	177	186	745	647	725	723	600
West Virginia.....	18	9	10	4	7	741	775	850	775	750
North Carolina.....	108	547	565	659	730	640	695	684	737	651
South Carolina.....	30	96	85	104	148	740	740	698	737	556
Georgia.....	2	67	52	82	122	822	720	770	725	660
Florida.....	3	7	6	9	12	834	832	968	935	768
Ohio.....	94	52	44	30	42	866	974	846	819	800
Indiana.....	22	21	15	8	8	858	871	884	760	820
Wisconsin.....	40	32	29	31	37	1,190	1,375	1,150	1,070	1,325
Minnesota.....					1					1,200
Missouri.....	6	5	5	4	4	877	815	950	1,100	1,100
Kentucky.....	430	479	426	290	395	813	810	842	697	775
Tennessee.....	95	139	136	88	112	786	726	781	786	787
Louisiana.....	3	1	1	1	1		504	400	400	405

Source: Bureau of Agricultural Economics, Department of Agriculture.

PRODUCTION, AND FARM VALUE, BY STATES

SWEET POTATOES

Production					Farm value, Dec. 1					State
1909-1913, average	1925	1926	1927	1928 (preliminary)	Amount			Per bush- el, 1928	Per acre, 1928	
					1926	1927	1928 (prel.)			
<i>1,000 bushels</i> 57,355	<i>1,000 bushels</i> 62,319	<i>1,000 bushels</i> 82,703	<i>1,000 bushels</i> 94,112	<i>1,000 bushels</i> 77,661	<i>1,000 dollars</i> 78,950	<i>1,000 dollars</i> 77,615	<i>1,000 dollars</i> 72,680	Cents 94	Dollars 89.73	
2,905 109	1,872 115	2,465	1,890	2,175	2,958	2,268	2,610	120	174.00	U. S.
635	880	1,251	880	980	813	616	784	80	112.00	N. J.
970	1,161	1,815	1,584	1,500	1,301	1,109	1,200	80	120.00	Pa.
3,497	3,996	5,375	5,805	6,336	5,375	4,934	6,019	95	136.80	Del.
207	276	330	220	204	528	308	286	140	143.00	Md.
7,702	7,040	7,500	10,146	7,840	7,560	8,117	6,694	85	83.30	Va.
4,504	2,800	3,700	5,300	4,214	3,760	4,240	3,582	85	73.10	W. Va.
7,206	5,170	9,400	10,560	10,234	7,568	7,920	8,699	85	73.10	N. C.
2,323	2,465	2,800	2,668	2,464	3,500	2,268	2,534	115	101.21	S. C.
106	345	315	300	360	472	550	486	135	162.00	Ga.
103	216	330	224	232	478	302	302	130	151.00	Ohio.
851	1,056	1,430	1,030	980	1,930	1,184	1,078	110	107.80	Ind.
193	327	309	270	360	618	405	572	155	190.67	Ill.
607	950	1,120	1,344	1,155	1,456	1,613	1,213	105	110.27	Iowa.
421	348	516	408	260	607	449	286	110	143.00	Mo.
870	1,260	2,040	1,488	1,240	2,203	1,780	1,433	115	102.36	Kans.
1,948	3,240	6,150	4,704	3,895	4,305	3,908	3,700	95	90.24	Ky.
6,023	4,550	6,500	7,644	6,510	5,525	6,497	5,569	90	83.70	Tenn.
5,028	5,052	5,720	7,728	6,050	5,434	6,182	5,445	90	90.00	Ala.
5,237	5,760	7,110	9,702	6,060	6,390	6,791	5,661	85	76.50	Miss.
2,798	6,132	8,550	11,970	8,284	8,128	8,978	8,284	100	70.00	La.
350	1,880	2,520	2,438	1,780	2,520	1,950	1,691	95	84.55	Tex.
1,731	3,060	3,672	4,408	2,520	3,488	3,526	2,268	90	81.00	Okla.
851	1,008	1,164	1,080	1,152	1,280	1,242	1,207	110	105.58	Ark.
-----	400	435	222	261	600	373	457	175	228.50	Calif.
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TOBACCO

<i>1,000 pounds</i> 598,049	<i>1,000 pounds</i> 1,378,829	<i>1,000 pounds</i> 1,297,889	<i>1,000 pounds</i> 1,211,909	<i>1,000 pounds</i> 1,373,501	<i>1,000 dollars</i> 236,703	<i>1,000 dollars</i> 256,892	<i>1,000 dollars</i> 254,322	Cents per lb. 18.5	Dollars 133.01	U. S.
9,374	10,600	9,412	8,683	9,462	3,294	3,099	3,225	34.1	403.13	Mass.
27,995	40,019	20,346	28,985	20,750	10,447	10,621	11,071	37.2	442.84	Conn.
4,892	2,200	1,320	960	1,020	251	173	197	19.3	197.00	N. Y.
56,333	57,400	43,560	46,240	40,580	4,574	6,011	6,941	14.0	187.59	Pa.
18,800	24,690	20,040	26,176	21,700	0,171	0,020	3,906	18.0	126.00	Md.
137,529	120,460	137,032	127,971	111,600	24,118	22,828	19,180	17.2	103.12	Va.
13,024	6,975	8,500	3,488	5,100	1,114	855	1,173	23.0	167.57	W. Va.
126,204	380,165	386,460	485,683	475,230	102,025	100,850	87,918	18.5	120.44	N. C.
21,727	71,040	56,780	76,648	82,288	13,230	15,713	10,451	12.7	70.61	S. C.
1,306	48,240	39,963	59,088	84,387	9,591	11,440	11,178	13.2	91.62	Ga.
2,854	5,824	5,808	8,228	9,221	2,195	2,865	2,687	20.1	223.92	Fla.
81,948	50,745	37,389	24,652	33,440	3,776	4,531	0,019	18.0	143.31	Ohio.
10,164	18,201	12,995	6,384	11,234	1,261	1,403	2,247	20.0	160.50	Ind.
47,984	44,000	33,350	33,170	40,225	4,602	5,315	8,824	18.0	238.49	Wis.
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	Minn.
5,457	4,075	4,760	4,400	4,400	712	968	968	22.0	242.00	Mo.
349,203	387,900	358,568	202,269	300,000	38,008	43,349	58,550	19.1	148.23	Ky.
69,887	94,380	106,216	68,484	88,469	11,153	14,661	19,461	22.0	173.76	Tenn.
2,308	504	400	400	405	180	180	182	45.0	182.00	La.

No. 657.—TAME HAY: AREA, PRODUCTION, AND FARM VALUE, BY STATES

[Tons are of 2,000 pounds]

Division and State	Acres			Yield per acre			Production			Farm value, Dec. 1, 1928 (preliminary)	
	1926	1927	1928 (preliminary)	1926	1927	1928 (preliminary)	1926	1927	1928 (preliminary)	Amount	Per ton
	Thousands 58, 558	Thousands 60, 885	Thousands 57, 775	Tons 1. 47	Tons 1. 74	Tons 1. 61	1,000 tons 86, 144	1,000 tons 106, 001	1,000 tons 93, 081	1,000 dollars 1, 148, 283	Dol- lars 12. 84
United States											
New England	3, 550	3, 501	3, 465	1. 37	1. 37	1. 46	4, 499	4, 779	5, 084	70, 279	13. 88
Maine.....	1, 272	1, 247	1, 235	1. 12	1. 12	1. 28	1, 428	1, 520	1, 583	18, 046	11. 40
New Hampshire.....	400	403	410	1. 14	1. 27	1. 41	1, 534	1, 588	1, 647	9, 123	14. 10
Vermont.....	920	922	914	1. 58	1. 53	1. 62	1, 401	1, 407	1, 480	17, 168	11. 60
Massachusetts.....	475	466	460	1. 25	1. 45	1. 55	594	674	717	13, 095	19. 10
Rhode Island.....	45	44	43	1. 20	1. 34	1. 50	58	59	67	1, 474	22. 00
Connecticut.....	303	359	354	1. 17	1. 40	1. 61	424	525	570	10, 773	18. 90
Middle Atlantic	8, 013	8, 182	7, 769	1. 32	1. 57	1. 40	10, 604	12, 835	11, 587	137, 437	11. 01
New York.....	4, 847	4, 850	4, 597	1. 32	1. 51	1. 40	6, 303	7, 311	6, 439	72, 761	11. 30
New Jersey.....	250	237	247	1. 50	1. 70	1. 83	391	461	453	6, 614	14. 00
Pennsylvania.....	2, 916	3, 075	2, 924	1. 31	1. 65	1. 56	3, 820	5, 063	4, 645	58, 062	12. 50
East North Central	14, 238	15, 202	13, 754	1. 41	1. 65	1. 42	20, 023	25, 149	19, 518	247, 077	12. 66
Ohio.....	2, 933	3, 139	2, 780	1. 37	1. 64	1. 33	4, 033	5, 152	3, 698	43, 267	11. 70
Indiana.....	1, 941	2, 027	1, 808	1. 28	1. 47	1. 37	2, 477	2, 080	2, 481	20, 772	12. 00
Illinois.....	3, 078	3, 550	3, 004	1. 18	1. 49	1. 32	3, 621	5, 280	4, 045	52, 180	12. 90
Michigan.....	2, 013	3, 036	2, 832	1. 42	1. 55	1. 61	4, 150	4, 745	4, 277	40, 613	11. 00
Wisconsin.....	3, 308	3, 444	3, 270	1. 70	2. 03	1. 53	5, 742	6, 980	5, 017	72, 245	14. 40
West North Central	14, 546	14, 692	13, 727	1. 31	1. 91	1. 70	10, 033	28, 079	23, 309	241, 363	10. 35
Minnesota.....	2, 207	2, 454	2, 447	1. 31	2. 07	1. 79	2, 977	5, 080	4, 387	48, 006	11. 10
Iowa.....	3, 112	3, 135	2, 786	1. 22	1. 66	1. 61	3, 805	6, 197	4, 203	51, 030	13. 00
Missouri.....	3, 147	3, 533	3, 289	1. 12	1. 46	1. 27	3, 531	5, 197	4, 183	44, 340	10. 60
North Dakota.....	1, 331	1, 040	1, 003	1. 03	1. 87	1. 87	1, 305	1, 044	1, 991	13, 340	6. 70
South Dakota.....	1, 303	1, 105	1, 086	1. 00	2. 06	1. 62	1, 368	2, 271	1, 655	13, 571	8. 20
Nebraska.....	1, 761	1, 727	1, 550	1. 86	2. 40	2. 10	3, 242	4, 145	3, 351	33, 510	10. 00
Kansas.....	1, 665	1, 678	1, 406	1. 73	2. 53	2. 37	2, 707	4, 245	3, 630	33, 267	9. 40
South Atlantic	3, 855	4, 578	4, 454	1. 04	1. 17	1. 17	3, 093	5, 348	5, 205	80, 731	15. 52
Delaware.....	79	80	81	1. 47	1. 78	1. 70	112	142	138	2, 263	16. 40
Maryland.....	390	443	430	1. 30	1. 65	1. 75	516	733	751	10, 179	13. 50
Virginia.....	970	1, 077	1, 093	1. 01	1. 37	1. 37	902	1, 472	1, 451	22, 200	15. 30
West Virginia.....	784	831	814	1. 32	1. 52	1. 45	1, 030	1, 250	1, 182	17, 375	14. 70
North Carolina.....	750	800	752	. 90	. 94	. 98	681	761	734	12, 698	17. 30
South Carolina.....	257	441	434	. 77	. 80	. 87	199	353	376	6, 959	18. 50
Georgia.....	522	803	792	. 77	. 70	. 64	400	505	506	7, 894	15. 60
Florida.....	82	95	88	. 70	. 67	. 73	57	64	64	1, 216	10. 00
East South Central	3, 481	3, 776	3, 629	1. 23	1. 26	1. 23	4, 273	4, 745	4, 463	73, 284	16. 42
Kentucky.....	1, 150	1, 318	1, 253	1. 32	1. 42	1. 31	1, 525	1, 871	1, 644	22, 120	10. 50
Tennessee.....	1, 398	1, 352	1, 310	1. 27	1. 30	1. 30	1, 760	1, 702	1, 780	30, 082	10. 90
Alabama.....	523	615	615	. 95	. 84	. 77	409	517	473	7, 473	15. 80
Mississippi.....	400	491	451	1. 19	1. 21	1. 25	483	595	566	8, 003	15. 20
West South Central	2, 000	2, 116	2, 185	1. 34	1. 29	1. 26	2, 679	2, 730	2, 681	36, 298	13. 54
Arkansas.....	675	643	625	1. 16	1. 14	1. 09	607	730	693	9, 835	14. 40
Louisiana.....	233	278	297	1. 18	1. 28	1. 43	276	356	424	6, 100	14. 40
Oklahoma.....	672	556	576	1. 54	1. 59	1. 46	883	901	811	10, 081	12. 70
Texas.....	620	629	637	1. 37	1. 19	1. 15	847	749	733	0, 076	13. 20
Mountain	5, 355	5, 361	5, 378	2. 30	2. 39	2. 23	12, 297	12, 808	11, 989	135, 842	11. 35
Montana.....	1, 800	1, 274	1, 294	1. 58	2. 12	1. 98	2, 003	2, 706	2, 558	22, 120	8. 90
Idaho.....	1, 025	1, 014	1, 047	2. 70	3. 11	2. 53	2, 708	3, 151	2, 645	20, 095	11. 00
Wyoming.....	632	685	681	1. 94	1. 78	1. 80	1, 320	1, 219	1, 224	12, 302	10. 10
Colorado.....	1, 210	1, 225	1, 207	2. 33	2. 17	2. 07	2, 820	2, 058	2, 497	20, 215	11. 70
New Mexico.....	182	196	186	2. 39	2. 21	2. 19	435	434	407	6, 878	16. 90
Arizona.....	176	192	185	3. 64	3. 50	3. 77	641	672	697	12, 540	18. 00
Utah.....	552	557	570	3. 07	2. 60	2. 46	1, 724	1, 474	1, 400	16, 380	11. 70
Nevada.....	209	208	208	2. 40	2. 38	2. 60	520	494	541	6, 000	12. 20
Pacific	3, 520	3, 479	3, 465	3. 49	2. 74	2. 68	8, 749	9, 521	9, 265	125, 922	13. 66
Washington.....	909	932	906	2. 20	2. 49	2. 30	2, 001	2, 317	2, 140	28, 034	13. 10
Oregon.....	612	808	905	1. 03	2. 28	2. 26	1, 704	2, 048	2, 041	23, 860	11. 70
California.....	1, 999	1, 640	1, 654	2. 03	3. 13	3. 09	4, 084	5, 156	5, 104	74, 008	14. 50

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 658.—WILD HAY: AREA, PRODUCTION, AND FARM VALUE, BY STATES
 [Tons are of 2,000 pounds]

Division and State	Acres			Yield per acre			Production			Farm value Dec. 1, 1928 (preliminary)	
	1926	1927	1928 (preliminary)	1926	1927	1928 (preliminary)	1926	1927	1928 (preliminary)	Amount	Per ton
	Thousands 12, 911	Thousands 14, 913	Thousands 13, 144	Tons 0. 74	Tons 1. 17	Tons 0. 98	1,000 tons 9, 568	1,000 tons 17, 320	1,000 tons 12, 922	1,000 dollars 95, 076	Dol- lars 7. 36
United States	69	69	66	.96	1.03	1.20	66	71	79	805	10.19
New England.....	13	13	13	.94	.95	1.05	12	12	14	119	8.50
Maine.....	17	17	16	.90	1.00	1.15	15	17	18	158	8.80
New Hampshire.....	13	13	13	1.05	1.10	1.30	14	14	17	136	8.00
Vermont.....	13	13	12	.95	1.00	1.25	12	13	15	194	12.90
Massachusetts.....	2	2	2	1.00	1.00	1.10	2	2	2	29	14.40
Rhode Island.....	11	11	10	1.00	1.20	1.30	11	13	13	160	13.00
Connecticut.....	104	100	99	1.21	1.26	1.23	120	128	122	1,091	8.94
Middle Atlantic.....	98	98	98	1.12	1.14	1.00	70	78	74	555	7.50
New York.....	10	17	16	1.65	1.50	1.05	25	26	20	312	12.00
New Jersey.....	20	15	15	1.25	1.45	1.45	25	22	22	224	10.20
Pennsylvania.....	329	307	313	1.26	1.41	1.30	410	434	406	3,659	9.01
East North Central.....	5	5	7	1.22	1.45	1.13	6	7	8	72	9.00
Ohio.....	21	21	20	1.15	1.25	1.15	24	26	23	207	9.00
Indiana.....	37	34	41	1.10	1.40	1.12	41	48	40	469	10.20
Illinois.....	38	42	38	1.17	1.33	1.31	44	50	50	400	8.00
Michigan.....	228	205	207	1.32	1.45	1.35	301	207	279	2,511	9.00
Wisconsin.....	9,301	10,688	9,342	.93	1.19	.95	5,899	12,667	8,693	58,025	6.52
West North Central.....	1,895	1,884	1,809	.80	1.50	1.20	1,492	2,820	2,171	13,894	6.40
Minnesota.....	300	281	270	.84	1.27	1.16	252	357	313	3,130	10.00
Iowa.....	130	130	143	.90	1.35	1.10	117	176	167	1,020	6.50
Missouri.....	1,259	1,360	1,210	.95	1.25	1.12	818	1,700	1,355	7,317	5.40
North Dakota.....	2,315	3,010	2,107	.60	1.10	.60	926	3,311	1,264	8,216	6.50
South Dakota.....	2,530	3,056	2,933	.95	1.00	.87	1,644	3,050	2,520	18,692	7.40
Nebraska.....	902	947	900	.71	1.30	1.23	640	1,231	1,107	5,756	5.20
Kansas.....	130	122	119	.95	1.11	1.13	123	135	134	1,652	12.33
South Atlantic.....	4	3	2	1.50	1.00	1.00	0	5	3	18	6.00
Delaware.....	4	3	3	1.21	1.40	1.08	5	4	5	60	12.00
Maryland.....	26	23	21	1.00	1.25	1.33	20	20	28	322	11.50
Virginia.....	13	12	12	1.10	1.50	1.33	14	18	10	160	10.00
West Virginia.....	58	52	52	.90	1.10	1.15	52	57	60	804	13.40
North Carolina.....	3	3	6	.95	.98	.60	2	2	4	60	14.00
South Carolina.....	18	22	19	.80	.78	.80	14	17	15	183	12.20
Georgia.....	4	4	4	.95	.75	.85	4	3	3	45	15.00
Florida.....	136	139	165	1.04	1.13	1.16	142	167	192	2,288	11.92
East South Central.....	23	32	58	1.25	1.40	1.40	20	45	81	940	11.60
Kentucky.....	50	50	50	1.10	1.20	1.20	62	60	60	726	12.10
Tennessee.....	22	22	22	.84	.75	.75	18	16	10	230	14.40
Alabama.....	35	35	35	.95	1.02	1.00	33	30	35	392	11.20
Mississippi.....	931	948	860	.93	.99	.97	869	937	836	6,898	8.25
West South Central.....	133	146	131	1.00	1.00	.85	133	140	111	1,099	9.90
Arkansas.....	18	18	18	1.10	1.00	1.38	20	18	25	248	9.90
Louisiana.....	549	565	492	.80	.98	1.00	439	554	492	3,846	6.80
Oklahoma.....	231	219	219	1.20	1.00	.95	277	219	205	2,205	10.60
Texas.....	1,400	2,048	1,764	.98	1.12	.99	1,400	2,287	1,752	16,182	9.22
Mountain.....	303	865	604	.80	1.15	.90	314	965	545	4,360	8.00
Montana.....	101	101	101	1.20	1.60	1.20	121	162	121	1,028	8.50
Idaho.....	372	409	401	1.00	1.10	1.05	372	450	421	4,120	9.80
Wyoming.....	360	396	376	1.00	1.00	.90	360	396	358	3,481	10.30
Colorado.....	30	30	33	1.10	1.00	.90	33	30	30	390	13.00
New Mexico.....	5	10	10	1.20	1.00	.90	0	10	5	68	13.50
Arizona.....	75	77	77	1.25	1.30	1.30	94	100	100	1,000	10.00
Utah.....	160	160	160	1.00	.90	1.20	160	144	192	1,709	8.90
Nevada.....	415	412	416	1.15	1.27	1.22	477	522	508	4,496	8.85
Pacific.....	30	30	31	1.40	1.75	1.50	42	52	46	400	8.70
Washington.....	235	235	236	1.15	1.25	1.20	270	294	282	2,560	9.10
Oregon.....	150	147	150	1.10	1.20	1.20	165	176	180	1,530	8.50
California.....											

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 659.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS:
ESTIMATES OF THE DEPARTMENT OF AGRICULTURE

NOTE.—Tons are of 2,000 pounds. For weights of the units of measurement for principal products, see Appendix, p. 850. Figures for 1928 are preliminary

Yearly average or year	Corn					Wheat				
	Area	Production	Value ¹	Yield per acre	Unit price ¹	Area	Production	Value ¹	Yield per acre	Unit price ¹
	<i>1,000 acres</i>	<i>1,000 bushels</i>	<i>1,000 dollars</i>	<i>Bush-els</i>	<i>Cents per bushel</i>	<i>1,000 acres</i>	<i>1,000 bushels</i>	<i>1,000 dollars</i>	<i>Bush-els</i>	<i>Cents per bushel</i>
1806-1875	37, 216	969, 948	454, 535	26.1	46.9	20, 470	244, 672	277, 587	12.0	105.3
1876-1885	61, 671	1, 564, 902	617, 780	25.4	39.5	34, 433	425, 054	391, 104	12.3	92.0
1886-1895	74, 274	1, 769, 616	648, 785	23.8	36.7	37, 500	476, 788	321, 071	12.7	67.3
1896-1900	90, 589	2, 373, 786	669, 420	26.2	28.1	48, 989	633, 074	415, 922	12.9	65.7
1901-1905	93, 545	2, 366, 483	1, 043, 140	25.3	45.3	50, 194	700, 220	501, 277	14.0	71.6
1906-1910	97, 327	3, 082, 288	1, 366, 051	27.6	51.3	45, 706	674, 993	579, 535	14.7	85.9
1911-1915	105, 672	2, 784, 164	1, 644, 511	26.0	60.3	51, 910	806, 361	705, 890	15.5	87.5
1916-1920	105, 672	2, 830, 942	3, 109, 625	27.0	111.0	58, 085	799, 083	1, 491, 445	13.6	186.6
1921-1925	102, 615	2, 860, 733	1, 931, 630	27.8	67.8	58, 115	804, 218	880, 140	13.8	110.6
1911	105, 825	2, 531, 488	1, 565, 258	23.9	61.8	49, 843	621, 338	543, 063	12.5	87.4
1912	107, 083	3, 124, 746	1, 520, 454	29.2	48.7	46, 814	730, 267	555, 280	15.9	76.0
1913	105, 820	2, 446, 988	1, 692, 092	23.1	69.1	50, 184	763, 380	610, 122	15.2	79.9
1914	103, 435	2, 672, 804	1, 722, 070	25.8	64.4	53, 541	891, 017	878, 680	16.6	98.6
1915	106, 197	2, 994, 793	1, 722, 680	28.2	57.5	60, 409	1, 025, 801	942, 303	17.0	91.9
1916	105, 296	2, 586, 927	2, 280, 729	24.4	88.9	52, 316	630, 318	1, 019, 968	12.2	160.3
1917	116, 730	3, 065, 288	3, 360, 228	26.3	127.9	45, 089	636, 655	1, 278, 112	14.1	200.8
1918	104, 407	2, 502, 665	3, 416, 240	24.0	136.5	59, 181	921, 438	1, 881, 826	15.6	204.2
1919	97, 170	2, 811, 302	3, 190, 697	28.9	134.5	75, 094	967, 079	2, 080, 056	12.8	214.9
1920	101, 699	3, 208, 584	2, 150, 332	31.5	67.0	61, 143	833, 027	1, 107, 263	13.6	143.7
1921	103, 740	3, 068, 569	1, 297, 213	29.6	42.3	63, 096	814, 905	754, 834	12.8	92.6
1922	102, 846	2, 960, 020	1, 910, 775	28.3	65.8	62, 317	867, 598	873, 412	13.9	100.7
1923	104, 324	3, 053, 557	2, 217, 229	29.3	72.6	59, 659	797, 394	730, 000	13.4	92.3
1924	100, 863	2, 309, 414	2, 206, 771	22.9	98.2	62, 535	864, 428	1, 123, 086	16.5	129.9
1925	101, 302	2, 916, 106	1, 966, 162	28.8	67.4	52, 367	676, 765	668, 364	12.9	141.6
1926	96, 615	2, 691, 531	1, 728, 970	27.0	64.2	56, 359	881, 381	906, 308	14.8	119.8
1927	98, 393	2, 763, 093	1, 997, 759	28.1	72.3	58, 784	878, 374	979, 813	14.9	111.5
1928	100, 701	2, 830, 959	2, 132, 991	28.2	75.1	57, 724	902, 749	877, 193	15.6	97.2
	Oats					Rye				
1806-1875	9, 680	272, 993	102, 423	28.2	37.5	1, 347	18, 267	14, 559	13.6	79.7
1876-1885	17, 143	469, 856	152, 594	27.4	32.5	1, 892	24, 025	15, 540	13.0	63.7
1886-1895	27, 482	717, 143	207, 266	26.1	29.4	2, 188	27, 975	15, 278	12.8	54.4
1896-1900	29, 319	849, 004	195, 462	28.9	22.8	2, 074	31, 272	14, 142	15.1	45.2
1901-1905	30, 953	951, 752	308, 350	30.7	32.8	2, 077	33, 064	10, 091	15.9	57.8
1906-1910	34, 741	986, 734	385, 820	28.4	39.7	2, 182	35, 017	24, 723	16.3	69.5
1911-1915	38, 703	1, 230, 409	473, 133	31.7	39.2	2, 494	41, 399	31, 903	16.5	76.6
1916-1920	42, 456	1, 412, 602	865, 991	33.2	61.3	4, 927	67, 762	90, 485	13.9	139.9
1921-1925	42, 850	1, 318, 021	525, 747	30.8	39.9	4, 900	68, 018	52, 182	13.9	76.7
1911	37, 763	922, 298	414, 663	24.4	45.0	2, 127	33, 119	27, 557	15.6	83.2
1912	37, 917	1, 418, 337	452, 469	37.4	31.9	2, 117	35, 064	23, 630	10.8	66.3
1913	38, 399	1, 121, 708	439, 596	29.2	39.2	2, 557	41, 381	20, 220	16.2	68.4
1914	38, 442	1, 141, 060	499, 431	29.7	43.8	2, 541	42, 779	37, 018	16.8	86.5
1915	40, 996	1, 549, 030	559, 606	37.8	36.1	3, 129	44, 000	45, 083	17.3	83.4
1916	41, 527	1, 251, 837	655, 928	30.1	52.4	3, 213	48, 862	50, 676	15.2	122.1
1917	43, 553	1, 592, 740	1, 061, 474	36.6	66.6	4, 317	62, 833	104, 447	14.6	166.0
1918	44, 249	1, 538, 124	1, 090, 322	34.7	70.9	6, 391	91, 041	138, 038	14.2	151.6
1919	40, 359	1, 184, 300	833, 922	29.3	70.4	6, 307	75, 483	100, 673	12.0	133.2
1920	42, 491	1, 496, 281	988, 311	35.2	46.0	4, 409	60, 499	76, 093	13.7	126.8
1921	45, 496	1, 078, 341	325, 954	23.7	30.2	4, 523	61, 675	43, 014	13.6	69.7
1922	40, 790	1, 215, 803	473, 948	29.8	39.4	6, 672	103, 362	70, 841	15.5	68.5
1923	40, 981	1, 305, 883	541, 137	31.9	41.4	5, 171	63, 077	40, 971	12.2	65.0
1924	42, 110	1, 502, 529	717, 189	35.7	47.7	4, 156	65, 520	69, 742	15.8	106.4
1925	44, 872	1, 487, 550	555, 506	38.2	38.0	3, 974	60, 456	36, 340	11.7	78.2
1926	44, 177	1, 246, 848	496, 582	28.2	39.8	3, 574	40, 749	38, 991	11.4	83.4
1927	41, 941	1, 182, 594	531, 762	28.2	45.0	3, 648	58, 164	49, 600	15.9	85.3
1928	41, 738	1, 449, 531	592, 674	34.7	40.9	3, 444	41, 766	36, 067	12.1	86.4

¹ Farm values as of Dec. 1.

PRODUCTION AND VALUE OF PRINCIPAL CROPS

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No. 659.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE—Continued

Yearly average or year	Barley					Buckwheat				
	Area	Production	Value ¹	Yield per acre	Unit price ¹	Area	Production	Value ¹	Yield per acre	Unit price ¹
	Barley					Buckwheat				
	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Cents per bushel	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Cents per bushel
1866-1875	1,196	26,902	21,832	22.6	79.2	730	13,369	9,735	18.3	72.8
1876-1885	2,102	47,020	28,688	22.4	61.8	799	11,616	7,510	14.7	66.2
1886-1895	3,490	79,640	37,464	22.8	48.3	879	12,854	7,031	14.7	55.0
1896-1900	4,315	102,951	37,847	23.9	36.7	821	14,367	6,720	17.5	47.6
1901-1905	5,520	160,063	64,820	27.2	43.4	859	15,070	9,343	18.2	50.6
1906-1910	7,281	181,788	99,631	25.1	55.1	750	16,548	23,313	19.3	68.3
1911-1915	7,474	197,211	114,389	20.5	50.4	808	10,514	12,127	20.4	73.9
1916-1920	8,150	197,447	189,903	24.1	97.1	856	14,426	20,993	17.4	142.7
1921-1925	7,498	186,029	105,566	24.8	56.7	736	14,117	12,718	19.1	90.7
1911	7,627	160,240	130,182	21.0	86.9	833	17,549	12,785	21.1	72.6
1912	7,530	223,824	112,957	29.7	60.5	841	19,249	12,720	22.9	66.1
1913	7,499	178,189	95,731	23.3	53.7	805	13,833	10,445	17.2	75.5
1914	7,505	194,053	105,903	25.8	54.3	792	10,881	12,892	21.3	76.4
1915	7,148	228,851	118,172	32.0	51.6	709	15,866	11,843	19.6	78.7
1916	7,757	182,300	160,646	23.5	85.1	828	11,662	13,147	14.1	112.7
1917	8,933	211,759	240,758	23.7	113.7	924	10,922	25,631	17.3	160.0
1918	9,740	256,225	234,942	26.3	91.7	1,027	10,905	28,142	16.5	166.5
1919	6,720	147,008	178,080	22.0	120.6	700	14,399	21,032	20.6	146.1
1920	7,600	189,332	135,083	24.9	71.3	701	13,142	16,865	18.7	128.3
1921	7,414	164,040	64,934	20.9	41.9	680	14,207	11,540	20.9	81.2
1922	7,317	182,068	95,560	24.9	52.5	704	14,564	12,839	19.1	88.5
1923	7,835	197,691	107,038	25.2	54.1	739	13,965	13,029	18.9	93.3
1924	6,925	181,575	134,500	26.2	74.1	745	13,367	13,708	17.9	102.6
1925	7,997	213,863	125,709	26.7	58.8	747	13,994	12,423	18.7	88.8
1926	7,970	184,905	166,237	23.2	57.5	694	12,676	11,153	18.3	88.2
1927	9,476	205,832	180,200	28.1	67.8	810	15,755	13,155	19.5	83.5
1928	12,539	356,868	197,128	28.5	55.2	750	13,163	11,525	17.6	87.6
	Rice (rough)					Flaxseed				
1900-1910	638	20,720	10,598	32.4	80.9	2,520	21,930	28,151	8.7	140.0
1911-1915	749	25,266	22,370	33.8	88.4	2,186	18,615	26,120	8.5	148.3
1916-1920	1,073	41,645	70,250	30.1	171.2	1,726	10,972	31,807	6.4	300.1
1921-1925	922	35,708	41,551	38.7	116.4	2,156	17,887	38,410	8.3	214.7
1911	606	22,934	18,274	32.9	70.7	2,757	19,370	35,272	7.0	182.1
1912	723	25,054	23,423	34.7	93.5	2,851	28,073	32,202	9.8	114.7
1913	827	25,744	22,090	31.1	85.8	2,201	17,853	21,399	7.8	119.9
1914	604	23,640	21,840	34.1	92.4	1,045	13,749	17,318	8.4	126.0
1915	803	28,947	26,212	36.1	90.6	1,387	14,030	24,410	10.1	174.0
1916	869	40,861	30,311	47.0	88.9	1,474	14,206	35,541	9.7	248.0
1917	981	34,739	65,879	35.4	189.6	1,984	9,104	27,182	4.6	266.6
1918	1,119	38,606	74,042	34.5	191.8	1,910	13,369	45,470	7.0	340.1
1919	1,063	115,882	111,913	39.5	206.6	1,503	7,178	31,475	4.8	438.5
1920	1,336	52,066	62,036	39.0	119.1	1,757	10,752	18,999	6.1	176.7
1921	921	37,612	35,802	40.8	95.2	1,108	8,029	11,648	7.2	145.1
1922	1,055	41,405	38,562	39.2	93.1	1,113	10,375	21,941	9.3	211.5
1923	895	33,717	37,150	37.7	110.2	2,014	17,060	35,951	8.5	210.7
1924	850	32,498	45,009	38.2	138.5	3,469	31,547	71,728	9.1	227.4
1925	880	33,300	51,232	37.5	153.8	3,078	22,424	50,783	7.3	226.5
1926	1,034	41,730	45,722	40.4	109.6	2,907	19,335	37,510	6.7	194.0
1927	1,012	44,774	41,616	44.2	92.9	2,837	25,847	48,079	9.1	186.0
1928	965	41,881	37,077	43.4	88.5	2,721	19,321	38,857	7.1	201.1

¹ Farm values as of Dec. 1.

No. 659.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE—Continued

Yearly average or year	Potatoes					Sweet potatoes				
	Area	Production	Value ¹	Yield per acre	Unit price ¹	Area	Production	Value ¹	Yield per acre	Unit price ¹
	<i>1,000 acres</i>	<i>1,000 bushels</i>	<i>1,000 dollars</i>	<i>Bushels</i>	<i>Cents per bushel</i>	<i>1,000 acres</i>	<i>1,000 bushels</i>	<i>1,000 dollars</i>	<i>Bushels</i>	<i>Cents per bushel</i>
1866-1875	1,261	167,266	62,754	93.0	53.5	—	—	—	—	—
1876-1885	1,998	162,228	82,085	81.2	50.6	—	—	—	—	—
1886-1895	2,053	197,285	92,908	74.4	47.1	—	—	—	—	—
1896-1900	2,011	237,016	96,250	81.0	41.3	—	—	—	—	—
1901-1905	3,104	277,150	155,388	89.1	58.0	545	47,730	27,043	87.5	58.5
1906-1910	3,502	340,045	196,904	97.1	58.3	600	54,563	30,457	90.9	66.8
1911-1915	3,689	362,010	219,137	98.3	61.9	629	60,257	42,525	95.4	71.2
1916-1920	3,889	373,417	486,053	95.7	132.4	913	88,750	104,054	96.9	115.7
1921-1925	3,600	394,327	369,765	100.9	93.8	929	84,291	84,152	90.8	90.8
1912	3,711	420,047	212,550	113.4	50.5	583	55,470	40,264	95.2	72.6
1913	3,668	331,525	227,903	90.4	68.7	625	50,057	42,884	94.5	72.6
1914	3,711	409,921	199,460	110.5	48.7	603	56,574	41,291	93.8	73.0
1915	3,734	350,721	221,992	96.3	61.7	731	75,030	40,800	103.5	62.1
1916	3,565	280,953	419,333	80.5	146.1	774	70,955	60,141	91.7	84.8
1917	4,384	442,108	542,774	100.8	122.8	919	83,822	92,010	91.2	110.8
1918	4,295	411,860	401,527	95.9	119.3	940	87,924	118,863	93.5	135.2
1919	3,542	322,897	514,855	91.2	150.5	941	97,120	130,514	103.2	134.4
1920	3,657	403,296	461,778	110.3	114.5	992	103,925	117,834	104.8	113.4
1921	3,941	361,050	308,362	91.8	110.1	1,006	98,654	86,894	92.5	88.1
1922	4,307	463,396	263,355	105.3	58.1	1,117	109,394	84,295	97.9	77.1
1923	3,316	416,105	324,889	109.0	78.1	903	97,177	95,091	97.9	97.9
1924	3,310	419,560	262,097	123.8	62.5	688	53,912	69,444	78.4	128.8
1925	3,074	320,015	600,120	104.4	187.0	770	62,319	85,034	80.0	136.4
1926	3,120	354,458	501,186	113.6	141.4	810	82,703	78,956	101.0	95.5
1927	3,476	402,741	388,741	115.0	96.5	933	94,112	77,615	100.9	82.5
1928	3,825	462,043	250,043	121.0	54.0	810	77,661	72,680	95.9	93.6
	Cotton					Cottonseed (census statistics) ²				
	<i>1,000 acres</i>	<i>1,000 bales³</i>	<i>1,000 dollars</i>	<i>Lbs.</i>	<i>Cents per pound</i>		<i>1,000 short tons</i>	<i>1,000 dollars</i>		<i>Dolls. per ton⁴</i>
1866-1875	8,810	3,250	—	170.2	—	—	—	—	—	—
1876-1885	15,209	5,052	233,808	170.7	9.1	—	2,607	—	—	—
1886-1895	19,421	7,037	290,415	176.9	7.7	—	3,045	—	—	—
1896-1900	24,364	10,018	337,592	193.3	7.1	—	4,859	—	—	—
1901-1905	27,865	10,801	485,500	184.8	9.0	—	5,185	82,556	—	\$15.68
1906-1910	31,304	11,847	660,788	180.3	11.3	—	5,281	103,728	—	20.10
1911-1915	35,132	14,170	709,629	192.0	10.2	—	6,817	135,066	—	22.04
1916-1920	34,856	11,931	1,464,088	163.2	24.9	—	5,312	283,014	—	54.40
1921-1925	37,016	11,518	1,276,329	146.4	22.2	—	5,114	174,318	—	34.34
1912	34,283	13,703	817,055	190.9	11.9	—	6,104	117,330	—	19.20
1913	37,089	14,156	802,798	182.0	12.2	—	6,305	141,350	—	22.40
1914	36,832	16,135	549,036	205.2	0.8	—	7,180	128,950	—	17.90
1915	31,412	11,192	631,400	170.3	11.3	—	4,992	167,960	—	33.60
1916	34,985	11,450	1,122,295	156.0	19.6	—	5,113	259,070	—	50.50
1917	33,841	11,302	1,566,198	159.7	27.7	—	5,040	333,550	—	66.08
1918	36,003	12,041	1,663,633	159.0	27.6	—	5,360	349,490	—	65.32
1919	33,568	11,421	2,034,658	161.5	35.6	—	5,074	340,470	—	67.18
1920	36,873	13,440	933,658	178.4	13.9	—	5,071	136,990	—	22.92
1921	30,509	7,954	643,933	124.5	16.2	—	3,531	104,500	—	29.72
1922	33,036	9,762	1,160,968	141.2	23.8	—	4,336	150,400	—	34.70
1923	37,123	10,140	1,671,820	130.6	31.0	—	4,502	190,050	—	42.22
1924	41,300	13,628	1,540,884	157.4	22.6	—	6,051	206,220	—	34.16
1925	46,053	16,104	1,464,032	167.2	18.2	—	7,150	220,360	—	30.88
1926	47,087	17,977	982,736	182.6	10.9	—	7,989	172,120	—	21.63
1927	40,133	12,966	1,269,885	154.5	19.6	—	5,759	209,900	—	35.93
1928	46,341	14,478	1,301,796	152.9	18.0	—	6,390	—	—	—

¹ Farm value as of Dec. 1. ² Value based on yearly average price; statistics for 1928 are not available.

³ Production, excluding lint, in bales of 500 pounds gross (Census). ⁴ Yearly average farm price.

⁵ Four-year average.

No. 659.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE—Continued

Yearly average or year	Area	Production	Value ¹	Yield per acre	Unit price ¹	Area	Production	Value ¹	Yield per acre	Unit price ¹
	Beans, dry, edible					Peanuts (for nuts)				
	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Dollars per bushel	1,000 acres	1,000 pounds	1,000 dollars	Lbs.	Cents per lb.
1910-1920	1,314	13,317	66,003	10.4	4.82	1,413	1,043,292	67,475	845.0	6.5
1921-1925	1,279	14,692	50,910	11.5	3.47	1,052	710,743	33,255	675.6	4.7
1916	1,107	10,715	54,086	9.7	5.10	1,043	919,028	41,243	881.1	4.5
1917	1,821	16,045	104,350	8.8	6.50	1,842	1,432,581	98,512	777.7	6.9
1918	1,744	17,397	91,863	10.0	5.28	1,865	1,240,102	80,271	664.9	6.5
1919	1,065	13,399	57,046	12.6	4.26	1,132	783,273	73,004	691.9	9.3
1920	862	9,225	27,282	10.8	2.96	1,181	841,474	44,256	712.5	5.3
1921	782	0,185	24,515	11.7	2.67	1,214	829,307	33,097	683.1	4.0
1922	1,086	12,877	48,133	11.9	3.74	1,005	633,114	29,613	630.0	4.7
1923	1,344	16,308	59,782	12.1	3.07	896	647,762	43,918	722.0	6.8
1924	1,576	15,164	56,744	9.6	3.74	1,187	745,059	34,259	627.7	4.6
1925	1,000	19,928	65,376	12.4	3.28	958	698,475	25,300	729.1	3.6
1926	1,677	17,707	51,876	10.6	2.93	843	681,825	28,161	749.5	4.5
1927	1,571	16,181	46,612	10.3	2.88	1,142	804,549	35,016	757.0	4.0
1928	1,577	16,598	69,294	10.5	4.17	1,180	809,060	37,548	685.6	4.6
	Grain sorghums (kafirs, milo maize, feterita, etc.) ²					Broomcorn				
	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Cents per bushel	1,000 acres	1,000 short tons	1,000 dollars	Lbs.	Doll. per ton
1910-1920	6,018	166,298	182,977	25.1	110.0	815	50	10,185	314.2	190.02
1921-1925	6,311	117,073	86,873	18.6	74.2	337	53	7,121	313.7	134.87
1916	3,944	53,858	57,027	13.7	105.9	235	39	6,090	320.3	172.75
1917	5,153	61,409	90,433	11.9	161.9	345	57	16,804	332.8	292.75
1918	6,030	73,241	109,881	12.1	150.0	366	62	14,570	340.4	233.87
1919	6,441	157,805	202,094	24.5	123.1	352	53	8,254	303.4	154.57
1920	6,794	174,790	163,860	25.7	93.7	276	36	4,605	285.0	126.16
1921	6,385	147,609	57,576	23.1	39.0	222	38	2,768	344.2	72.20
1922	5,778	98,158	86,876	17.0	88.1	275	37	8,186	271.3	219.46
1923	6,061	116,109	110,258	17.4	95.0	536	81	12,989	302.8	100.06
1924	6,089	117,057	90,765	19.2	85.2	436	78	7,454	356.9	95.81
1925	6,640	106,434	80,251	16.0	75.4	214	30	4,219	275.7	143.02
1926	6,090	137,515	74,065	20.6	53.9	306	54	4,285	355.6	78.77
1927	6,723	137,358	84,614	20.4	61.6	230	39	4,212	335.0	109.12
1928	6,407	142,533	88,471	21.0	62.1	252	46	4,850	361.2	106.59
	Clover seed (red and alsike)					Hops				
	1,000 acres	1,000 bushels	1,000 dollars	Bushels	Dollars per bushel	1,000 acres	1,000 pounds	1,000 dollars	Lbs.	Cents per lb.
1910-1920	921	1,564	24,280	1.7	16.10	30	32,143	10,326	1,076	35.6
1921-1925	890	1,342	15,471	1.5	11.53	22	26,616	4,456	1,232	16.7
1916	939	1,706	15,661	1.8	9.18	44	50,595	6,073	1,152	12.0
1917	821	1,488	19,107	1.8	12.84	30	29,388	9,795	983	33.3
1918	820	1,197	23,705	1.5	19.80	26	21,481	4,150	829	19.3
1919	942	1,484	39,700	1.6	26.75	21	24,970	19,376	1,189.7	77.6
1920	1,082	1,044	23,227	1.8	11.95	28	34,280	12,236	1,224	35.7
1921	889	1,538	16,529	1.7	10.75	27	29,340	7,080	1,087	24.1
1922	1,170	1,955	18,332	1.7	9.38	23	27,744	2,383	1,186	8.6
1923	775	1,228	13,218	1.6	10.70	18	19,751	3,722	1,071	18.8
1924	809	1,927	13,455	1.2	14.61	20	27,670	2,863	1,360	10.3
1925	807	1,062	15,819	1.3	14.80	20	28,573	6,232	1,404	21.8
1926	590	728	12,865	1.4	17.71	21	31,522	7,296	1,516	23.1
1927	1,214	1,727	26,299	1.4	15.22	25	30,658	7,024	1,246	22.9
1928	713	1,100	18,038	1.6	16.31	26	32,742	6,328	1,254	19.3

¹ Farm values as of Dec. 1.

² Grain sorghums for grain, 1916-1918; for all purposes thereafter.

³ A average for 1919 and 1920.

No. 659.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE—Continued

Yearly average or year	Hay (tame)					Tobacco				
	Area <i>1,000 acres</i>	Production <i>1,000 tons</i>	Value ¹ <i>1,000 dollars</i>	Yield per acre <i>Short tons</i>	Unit price ¹ <i>Dollars per ton</i>	Area <i>1,000 acres</i>	Production <i>1,000 pounds</i>	Value ¹ <i>1,000 dollars</i>	Yield per acre <i>Lbs.</i>	Unit price ¹ <i>Cents per lb.</i>
1866-1875	20,418	24,620	286,821	1.22	11.51					
1876-1885	31,124	38,723	352,577	1.24	9.11					
1886-1895	40,127	47,401	420,673	1.18	8.87					
1896-1900	42,126	58,142	453,405	1.38	7.86					
1901-1905	43,813	60,287	606,707	1.51	9.19	938	750,049	55,653	800	7.5
1906-1910	50,048	72,161	777,730	1.44	10.81	1,031	851,433	84,458	826	10.0
1911-1915	49,305	69,643	826,282	1.41	12.05	1,210	983,723	101,889	813	10.4
1916-1920	56,394	85,075	1,456,902	1.51	17.26	1,098	1,377,866	355,786	812	25.4
1921-1925	56,743	90,022	1,197,891	1.51	13.31	1,092	1,201,022	262,597	763	20.3
1915	51,108	85,920	913,644	1.08	10.63	1,370	1,062,237	96,281	775	9.1
1916	55,721	91,192	1,022,030	1.04	11.22	1,413	1,163,278	169,672	816	14.7
1917	56,203	83,308	1,428,706	1.51	17.09	1,518	1,240,276	301,440	823	24.0
1918	55,755	76,600	1,543,494	1.37	20.13	1,647	1,430,071	402,264	874	28.0
1919	50,888	80,997	1,744,547	1.53	20.05	1,951	1,465,481	570,303	871	39.0
1920	58,101	89,785	1,585,355	1.55	17.06	1,960	1,682,225	335,675	807	21.2
1921	58,769	82,458	998,009	1.40	12.10	1,427	1,069,693	212,728	759	19.9
1922	61,159	95,748	1,202,063	1.57	12.55	1,695	1,240,837	280,248	736	23.2
1923	59,868	89,250	1,261,486	1.49	14.13	1,877	1,515,110	301,096	807	19.9
1924	60,907	97,224	1,337,733	1.60	13.70	1,700	1,251,343	259,139	734	20.7
1925	58,013	85,431	1,190,103	1.47	13.93	1,767	1,370,028	250,774	783	18.2
1926	58,558	86,144	1,214,372	1.47	14.10	1,650	1,207,889	236,702	784	18.2
1927	90,885	106,001	1,202,953	1.74	11.35	1,585	1,211,000	256,882	765	21.2
1928	57,775	93,031	1,148,283	1.61	12.34	1,012	1,373,601	274,949	718	20.0

Yearly average or year	Cranberries					Oranges ¹⁰				
	Area <i>1,000 acres</i>	Production <i>1,000 barrels¹¹</i>	Value ¹ <i>1,000 dollars</i>	Yield per acre <i>Barrels¹¹</i>	Unit price ¹ <i>Dollars per barrel</i>	Area <i>1,000 boxes</i>	Production <i>1,000 dollars</i>	Value ¹	Yield per acre <i>Dollars per box</i>	Unit price ¹
1916-1920	24	414	3,980	17.1	9.80	22,177	69,445		2.68	
1921-1925	27	549	5,749	20.5	10.46	30,057	70,604		2.35	
1916	20	471	3,440	18.0	7.32	24,433	61,463		2.52	
1917	18	249	2,550	13.7	10.24	10,593	27,550		2.60	
1918	25	352	3,791	13.9	10.77	24,200	84,480		3.49	
1919	25	549	4,597	22.0	8.37	22,265	59,479		2.67	
1920	25	449	5,514	18.0	12.28	29,390	94,245		2.19	
1921	25	384	0,526	15.4	10.99	19,940	49,092		2.51	
1922	25	500	5,702	22.4	10.18	30,306	63,672		2.10	
1923	28	652	4,064	23.3	7.15	37,037	65,689		1.77	
1924	28	582	5,485	20.8	9.42	29,700	79,915		2.69	
1925	28	569	6,370	20.3	11.20	33,300	93,753		2.82	
1926	28	744	5,623	26.1	7.56	38,867	114,293		2.94	
1927	28	496	6,089	17.4	12.28	31,200	124,800		4.00	
1928	29	581	7,743	18.6	14.58	46,000	136,460		3.03	

Yearly average or year	Onions (commercial crop)					Cabbage (commercial crop)				
	Area <i>1,000 acres</i>	Production <i>1,000 bushels</i>	Value ¹ <i>1,000 dollars</i>	Yield per acre <i>Bushels</i>	Unit price ¹ <i>Cents per bushel⁹</i>	Area <i>1,000 acres</i>	Production <i>1,000 short tons</i>	Value ¹ <i>1,000 dollars</i>	Yield per acre <i>Short tons</i>	Unit price ¹ <i>Dollars per ton⁹</i>
1920	65	21,343	17,386	329	81	124	1,106	19,784	8.9	17.90
1921	57	14,165	18,587	248	131	105	687	16,003	6.6	24.60
1922	63	18,763	15,873	266	85	134	1,089	13,288	8.1	19.20
1923	62	17,800	23,343	279	135	105	808	17,893	7.7	22.19
1924	65	19,196	16,419	295	86	119	1,068	17,688	9.0	18.55
1925	65	19,062	21,290	301	103	120	947	16,787	7.9	17.72
1926	74	21,119	15,895	285	75	129	1,036	18,489	8.0	17.84
1927	76	23,595	18,751	308	80	144	1,203	19,211	8.4	15.97
1928	77	19,025	22,574	246	119	187	977	23,488	7.1	24.04

¹ Farm values as of Dec. 1.² Value 1922 to 1927 based on season's average price; for 1928, on season's average to Jan. 31, 1929.³ Price for season.⁴ Figures cover California (crop beginning Nov. 1 of year specified in stub) and Florida (crop year beginning Sept. 1), data including tangerines. Florida figures for 1919, 1920, and 1921 represent commercial shipments.⁵ Of approximately 100 pounds.

Sources: Bureau of Agricultural Economics, Department of Agriculture.

No. 660.—MINOR CROPS: AREA, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Totals for grain sorghum, beans, and broomcorn are for principal producing States only, including for beans a few States not shown separately. Farm values are for the most part as of Dec. 1

Crop and State	Acres				Yield per acre				Production				Average farm price, 1928 ¹
	1925	1926	1927	1928 ¹	1925	1926	1927	1928 ¹	1925	1926	1927	1928 ¹	1928 ¹
	Thousands	Thousands	Thousands	Thousands	Bushels	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	Cents per bush.
Flaxseed, total	3,078	2,907	2,837	2,781	7.3	6.7	8.1	7.1	22,424	10,335	26,847	18,321	201
Wisconsin.....	11	11	10	9	13.8	12.0	13.2	13.5	152	132	132	122	199
Minnesota.....	740	814	757	720	10.0	9.4	9.7	7.0	7,400	7,652	7,343	5,518	205
Iowa.....	10	15	19	19	10.5	11.0	12.0	10.4	105	174	228	8,198	198
North Dakota.....	1,461	1,380	1,242	1,143	6.5	5.5	8.2	7.1	9,490	7,590	10,184	8,115	201
South Dakota.....	559	475	549	588	8.8	5.8	10.0	5.8	3,801	2,755	5,040	3,410	201
Nebraska.....	6	7	7	8	9.0	8.7	10.0	8.0	54	61	70	62	190
Kansas.....	45	38	31	25	6.8	6.9	5.5	6.0	306	282	170	172	185
Montana.....	244	165	170	196	4.5	4.2	10.2	8.5	1,098	693	1,794	1,666	192
Other States.....	2	2	2	2	6.0	8.0	6.5	8.0	12	16	46	50	190
Grain sorghums,² total	6,840	6,690	6,728	6,497	16.0	20.6	20.4	21.9	108,434	137,515	137,558	142,533	62
Missouri.....	94	94	113	99	15.0	18.0	24.0	23.5	1,410	1,692	2,712	2,326	80
Nebraska.....	20	22	30	24	15.0	10.0	23.5	20.2	300	303	705	485	85
Kansas.....	1,456	1,345	1,547	1,284	16.0	15.0	21.0	22.3	23,290	20,175	32,487	28,633	61
Oklahoma.....	1,745	1,817	1,744	1,709	12.5	19.0	20.0	18.0	21,812	34,523	34,880	30,762	62
Texas.....	2,798	2,854	2,654	2,760	18.0	25.0	21.0	25.0	50,364	71,350	65,734	69,000	60
Colorado.....	246	227	284	256	11.0	5.0	10.0	10.0	2,706	1,135	2,840	2,600	60
New Mexico.....	153	195	171	188	18.0	21.0	14.0	18.0	2,754	4,095	2,394	3,384	60
Arizona.....	46	40	50	52	20.0	31.0	31.0	29.0	800	1,240	1,550	1,508	80
California.....	88	96	130	125	34.0	32.0	31.2	31.0	2,992	3,072	4,056	3,876	90
Beans, dry, total	1,608	1,677	1,571	1,577	12.4	10.6	10.3	10.5	19,928	17,707	16,181	16,598	417
New York.....	135	97	75	80	10.8	11.8	13.0	14.5	1,458	1,145	975	1,160	470
Michigan.....	639	552	556	538	13.5	12.0	8.5	11.0	8,026	6,624	4,811	5,918	445
Wisconsin.....	12	9	6	6	11.0	7.5	6.7	9.0	132	68	40	54	390
Montana.....	37	43	32	43	12.5	10.0	20.0	14.5	462	430	640	624	385
Idaho.....	72	54	72	82	22.0	18.5	23.7	18.0	1,684	999	1,708	1,476	360
Colorado.....	320	378	281	300	7.0	3.0	5.5	4.5	2,240	1,361	1,546	1,390	340
New Mexico.....	114	105	195	214	3.5	4.3	5.0	4.0	399	838	975	858	315
California.....	240	305	206	250	19.0	18.8	16.3	17.7	4,600	5,734	4,825	4,425	440
Broomcorn, total	214	306	230	252	Lbs. 278	Lbs. 358	Lbs. 336	Lbs. 361	Tons 20,500	Tons 54,400	Tons 38,600	Tons 45,500	Dolls. per ton 107
Illinois.....	30	40	28	24	560	420	380	440	8,400	8,400	5,800	5,300	145
Missouri.....	4	3	3	4	322	250	400	430	600	400	600	500	90
Kansas.....	22	31	27	38	280	327	375	490	3,100	5,100	5,100	3,000	96
Oklahoma.....	108	158	112	114	205	375	340	351	11,100	26,600	19,500	20,000	111
Texas.....	11	15	10	9	318	410	260	350	1,700	3,100	1,300	1,600	107
Colorado.....	15	30	28	36	250	225	315	340	1,900	3,400	4,400	6,100	85
New Mexico.....	24	29	22	27	225	300	220	270	2,700	4,400	2,400	3,000	90
Peanuts,⁴ total	958	843	1,142	1,180	729	750	757	688	1,000 pounds 698,476	1,000 pounds 631,825	1,000 pounds 864,549	1,000 pounds 809,060	Cents per lb. 4.6
Virginia.....	138	138	152	152	1,040	990	810	910	143,520	130,620	123,120	138,320	4.7
North Carolina.....	185	180	211	195	1,150	1,030	954	950	212,750	185,400	201,294	185,250	4.9
South Carolina.....	11	8	11	10	430	675	775	690	4,730	6,400	8,525	6,900	4.2
Georgia.....	278	211	304	350	500	525	725	540	139,000	110,775	220,400	189,000	4.4
Florida.....	41	39	44	44	600	680	640	575	24,600	29,520	28,160	26,300	4.2
Tennessee.....	20	20	20	18	815	800	850	800	16,300	18,000	17,000	14,400	4.7
Alabama.....	180	140	230	210	560	670	680	560	100,800	79,800	156,400	117,600	3.9
Mississippi.....	14	8	9	10	695	650	725	500	8,330	5,200	6,525	5,000	6.4
Arkansas.....	10	10	11	12	495	675	800	620	8,900	6,750	8,900	8,640	6.5
Louisiana.....	9	10	13	12	640	652	625	460	5,760	5,520	8,125	5,000	6.6
Oklahoma.....	7	8	20	47	700	800	800	760	4,900	6,400	16,000	35,250	5.4
Texas.....	65	71	117	120	505	640	600	650	32,825	45,440	70,200	78,000	6.0

¹ Preliminary.

² One State only.

³ For all purposes.

⁴ For nuts.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 651.—ORCHARD CROPS: PRODUCTION, TOTAL AND IN LEADING STATES

[In thousands of bushels]

State	1900	1910	1926	1927	1928	State	1900	1919	1926	1927	1928
APPLES						PEACHES--continued					
U. S.....	145,412	186,561	246,609	123,693	184,920	Ohio.....	1,036	618	2,120	1,326	1,742
Me.....	3,036	4,826	2,260	2,236	1,400	Ind.....	1,174	82	900	242	605
N. H.....	1,108	1,364	1,240	1,100	1,000	Ill.....	1,223	450	2,060	1,122	1,638
Vt.....	1,400	960	800	990	560	Mich.....	1,087	448	1,504	578	1,156
Mass.....	2,550	3,187	4,100	2,520	2,700	Mo.....	1,485	1,263	1,722	340	655
Conn.....	1,541	1,395	1,000	1,045	1,500	Ky.....	1,623	460	1,110	180	1,035
N. Y.....	25,400	14,350	40,375	13,600	21,900	Tenn.....	1,570	1,285	1,800	638	2,190
N. J.....	1,407	1,660	4,310	2,697	3,200	Ala.....	1,417	1,083	1,159	540	1,350
Pa.....	11,048	5,513	17,000	6,300	8,400	Miss.....	1,157	770	551	279	635
Del.....	183	600	2,376	1,150	1,520	Tex.....	730	4,621	2,310	800	1,612
Md.....	1,823	1,519	3,560	1,700	2,190	Okla.....	358	2,925	180	700	480
Va.....	6,104	8,943	10,902	6,000	16,100	Ark.....	1,002	3,341	2,400	1,628	3,000
W. Va.....	4,225	4,189	10,875	5,000	8,750	Colo.....	692	721	976	802	600
N. C.....	4,776	1,038	5,986	1,825	5,040	Utah.....	143	884	550	501	612
Ga.....	896	417	1,827	595	1,400	Wash.....	84	1,545	1,222	250	1,470
Ohio.....	4,664	2,676	11,900	5,000	5,880	Oreg.....	170	504	384	160	292
Ind.....	2,750	926	4,100	1,249	2,520	Calif.....	9,267	5,060	22,542	20,500	25,752
Ill.....	3,093	4,673	9,000	4,450	7,150	Other States.	1,094	2,080	2,277	1,464	1,550
Mich.....	12,332	5,843	9,045	4,288	5,400	PEARS					
Wis.....	2,232	1,306	2,158	1,200	2,160	U. S.....	8,841	14,204	25,249	18,373	23,783
Minn.....	1,044	1,028	1,263	854	1,230	N. Y.....	1,343	1,830	2,088	1,872	1,800
Iowa.....	6,747	1,810	3,650	1,720	2,740	N. J.....	463	402	645	420	502
Mo.....	9,259	5,132	5,015	2,104	3,380	Pa.....	379	421	748	400	620
Nebr.....	3,321	907	700	850	470	Del.....	105	98	388	128	108
Kans.....	1,350	1,749	1,428	1,925	820	Md.....	367	287	394	193	193
Ky.....	7,368	1,281	6,408	720	5,700	Va.....	74	288	410	130	230
Tenn.....	4,640	1,259	5,360	1,152	3,790	N. C.....	84	112	270	100	234
Ala.....	888	577	1,328	328	885	S. C.....	66	99	133	68	133
Okla.....	742	1,597	770	493	350	Ga.....	150	178	257	104	245
Ark.....	2,296	7,164	3,450	1,015	2,200	Ohio.....	375	187	430	250	305
Colo.....	3,559	3,418	3,444	2,692	3,020	Ind.....	320	109	328	140	288
N. Mex.....	417	939	1,147	456	675	Ill.....	249	375	818	312	540
Utah.....	350	760	817	600	880	Mich.....	666	405	889	702	810
Idaho.....	660	3,040	4,200	6,000	5,000	Mo.....	143	431	473	270	171
Wash.....	2,672	21,560	34,030	25,843	33,500	Kans.....	19	221	186	258	51
Oreg.....	1,931	6,921	8,036	4,320	6,950	Ky.....	252	55	144	34	110
Calif.....	4,935	7,842	10,350	7,458	12,282	Tenn.....	84	115	206	125	255
Other States.	1,978	2,360	2,557	1,558	2,128	Ala.....	100	103	211	83	234
PEACHES						Miss.....	101	121	189	120	194
U. S.....	35,470	50,866	69,865	45,463	68,374	Tex.....	111	637	580	345	390
N. Y.....	1,736	1,262	2,300	1,140	2,400	Okla.....	7	250	81	130	72
N. J.....	441	1,653	3,000	2,304	1,625	Ark.....	38	124	116	70	102
Pa.....	1,024	1,106	2,408	947	1,867	Colo.....	133	269	564	480	185
Md.....	325	564	700	352	465	Wash.....	311	1,729	3,220	1,670	3,500
Va.....	243	632	1,179	400	880	Oreg.....	375	701	2,100	1,900	2,700
W. Va.....	329	700	1,000	202	810	Calif.....	1,928	3,953	8,625	7,542	9,126
N. C.....	1,844	470	2,250	1,300	2,500	Other States.	598	615	696	527	580
S. C.....	643	390	1,054	615	1,363						
Ga.....	2,555	4,789	9,400	5,943	10,000						

1 The production of peaches includes some estimated quantities not harvested or not utilized, as follows: 1926, 1,462,000 bushels in Georgia and Northern States; 1927, 2,708,000 bushels in California; 1928, 2,917,000 bushels in California and 1,006,000 in Georgia.

Source: 1909 and 1919, enumerations of Bureau of the Census; 1926, 1927, and 1928 estimates of Department of Agriculture.

No. 662.—ORCHARD CROPS: UNITED STATES PRODUCTION

[In thousands of bushels]

Yearly average or year	Apples	Peaches	Pears	Year			
				1919 (census)	1920	1921	1922
1891-1895	157, 693			136, 561	50, 086		
1896-1900	179, 143			99, 002	32, 002		14, 204
1901-1905	182, 672	38, 100		202, 702	55, 352		11, 297
1906-1910	154, 454	39, 084		202, 842	46, 382		20, 705
1911-1915	215, 572	40, 027	11, 341	1924	171, 725		46, 382
1916-1920	179, 208	43, 632	14, 060	1925	172, 389		53, 848
1921-1925	109, 732	40, 849	17, 887	1926	246, 009		46, 562
1899 (census)	175, 998	15, 433	6, 625	1927	123, 063		160, 865
1909 (census)	145, 412	35, 470	8, 841	1928	184, 920		25, 249
							18, 373
							23, 733

¹ Includes some estimated quantities not harvested or not utilized. See footnote Table 661.

No. 663.—ORCHARD CROPS: FARM PRICES PER BUSHEL

Division and State	Apples, Dec. 1					Peaches ¹					Pears ¹		
	1910	1925	1926	1927	1928	1910	1925	1926	1927	1928	1925	1927	1928
United States.....	\$0.90	\$1.20	\$0.75	\$1.39	\$1.00	\$1.08	\$1.38	\$1.00	\$1.18	\$0.99	\$0.89	\$1.32	\$1.02
New England:													
Maine.....	.80	.01	.85	1.00	1.00						1.50	1.70	1.50
New Hampshire.....	.80	1.20	.90	1.30	1.10		2.00	1.50	2.20	2.40	1.65	1.70	1.70
Vermont.....	.92	1.65	1.20	1.50	1.50						2.00	2.15	2.10
Massachusetts.....	.90	1.50	.90	1.40	1.25		2.50	1.80	2.10	2.30	1.80	1.75	1.70
Rhode Island.....	.89	1.70	1.00	1.80	1.30		3.00	1.70	2.10	2.30	1.60	1.80	1.80
Connecticut.....	.80	1.65	1.00	1.70	1.30		2.80	1.70	2.20	1.90	1.90	2.00	1.60
Middle Atlantic:													
New York.....	1.00	1.12	.55	1.45	1.10	1.37	1.90	.90	1.90	1.45	1.25	1.50	1.45
New Jersey.....	.78	1.40	.70	1.45	1.10	1.28	1.50	.70	1.50	1.35	.65	1.00	1.00
Pennsylvania.....	.75	1.46	.80	1.40	1.15	1.37	2.40	1.00	2.00	1.55	1.15	1.50	1.20
South Atlantic:													
Delaware.....		1.30	.50	1.00	1.10		1.55	.85	1.10	1.20	.40	.60	.60
Maryland.....	.65	1.15	.50	1.25	.90	.91	1.85	.75	1.50	1.30	.55	.90	.90
Virginia.....	.80	1.12	.55	1.35	.85	.99	1.90	1.00	1.60	1.40	.80	1.15	1.05
West Virginia.....	.78	1.32	.70	1.60	.90	1.12	2.20	1.25	2.10	1.60	1.15	1.65	1.25
North Carolina.....	.98	1.33	.85	1.65	.00	.85	1.60	.90	1.70	1.15	1.15	1.35	1.10
South Carolina.....	1.00	1.70	1.40	1.75	1.25	1.02	1.35	1.00	1.50	1.10	1.20	1.30	1.10
Georgia.....	1.05	1.65	.95	1.70	1.10	1.02	1.40	.80	1.35	.90	1.05	1.35	1.00
Florida.....						1.00	1.05	1.60	1.75	1.35	1.25	1.15	.95
East North Central:													
Ohio.....	.93	1.43	.90	1.50	1.30	1.00	2.15	1.25	1.95	1.55	.85	1.25	.90
Indiana.....	.90	1.45	.95	1.80	1.30	1.37	2.30	1.60	2.35	1.00	.65	1.05	.75
Illinois.....	1.15	1.40	.95	1.75	1.30	1.05	2.50	1.25	2.05	1.40	.75	1.10	.85
Michigan.....	1.02	1.00	.65	1.50	1.30	1.39	2.20	1.00	2.10	1.55	.80	1.15	.95
Wisconsin.....	1.12	1.30	1.00	1.70	1.10						1.30		
West North Central:													
Minnesota.....	1.02	1.65	1.20	1.40	1.00								
Iowa.....	1.30	1.70	1.30	1.95	1.50	2.17	2.50	1.60	1.95	1.50	1.20	1.50	1.20
Missouri.....	.85	1.30	1.05	1.80	1.25	1.08	1.80	1.25	1.90	1.55	.80	1.15	1.15
South Dakota.....	1.50	2.00	1.50	2.00	1.30								
Nebraska.....	.98	1.95	1.50	1.40	1.40	1.33	2.35	1.50	1.60	2.00	1.60	1.60	1.90
Kansas.....	.78	1.60	1.25	1.45	1.40	1.05	1.85	1.70	1.75	1.90	1.25	1.10	1.40
East South Central:													
Kentucky.....	1.00	1.65	.90	1.80	1.00	1.21	1.75	1.30	1.90	1.25	.95	1.45	1.10
Tennessee.....	.92	1.60	.85	1.80	1.10	.92	1.55	1.05	1.70	1.10	1.05	1.45	1.05
Alabama.....	.90	1.60	1.10	1.85	1.45	.85	1.60	1.10	1.50	1.10	.90	1.30	1.10
Mississippi.....	1.25	1.50	1.25	1.65	1.45	.98	1.55	1.40	1.65	1.45	1.15	1.10	1.10
West South Central:													
Louisiana.....		2.00	1.00	1.50	1.50	1.00	2.00	1.50	1.80	1.60	1.30	1.40	1.35
Texas.....	1.30	1.60	1.25	2.10	1.55	1.06	1.50	1.10	1.60	1.30	.90	1.25	1.25
Oklahoma.....	1.07	1.35	1.05	1.60	1.35	.95	1.33	1.30	1.30	1.30	1.40	1.30	1.30
Arkansas.....	1.05	.95	.75	1.55	1.20	2.00	1.50	1.05	1.40	1.20	1.25	1.30	1.20
Mountain:													
Montana.....	1.20	1.75	1.20	1.30	.90								
Wyoming.....		2.00	1.25	1.50	1.35								
Colorado.....	1.15	1.10	.70	1.10	.65	1.80	1.90	1.10	1.20	1.20	.65	1.40	1.05
New Mexico.....	1.40	1.60	.90	1.80	1.25	1.28	1.75	1.80	2.20	1.95	1.50	1.70	1.55
Arizona.....	1.01	2.20	1.60	1.90	1.90		1.70	1.70	2.30	2.00	2.50	2.50	2.50
Utah.....	1.30	.90	.80	1.10	.80	1.40	2.00	.90	2.00	.95	1.10	1.70	1.40
Nevada.....	1.45	1.50	1.60	1.85	1.50		2.25	1.50	2.30	2.00	2.00	2.50	2.50
Idaho.....	.99	1.05	.70	1.10	.75		1.90	1.00	1.60	1.05	1.50	1.60	1.35
Pacific:													
Washington.....	.80	1.30	.75	1.30	.90	.90	1.85	.90	1.75	1.00	.80	1.35	1.05
Oregon.....	1.00	1.25	.70	1.10	.90	1.37	1.80	1.20	1.60	1.40	.85	1.40	1.00
California.....	.82	1.15	.40	.90	.50	1.03	.86	.94	.60	.55	.84	1.30	.90

¹ Seasonal.

Source of Tables 662 and 663: Bureau of Agricultural Economics, Department of Agriculture.

No. 664.—SUGAR PRODUCTION: CONTINENTAL UNITED STATES AND CERTAIN OUTLYING AREAS, AND WORLD TOTAL
 [In thousands of short tons of 2,000 pounds]

Yearly average, or year ending June 30—	Continental United States and outlying areas	Continental United States			Porto Rico ¹	Hawaii ²	Philippine Islands ³	World total	Per cent of world total in—	
		Total	Beet (chiefly refined)	Cane (chiefly raw)					Continental United States	U. S. and outlying areas
1871-1875	281	72	(⁴)	72	65	⁵ 13	111	(⁶)	(⁶)	
1876-1880	347	96	(⁴)	96	78	20	152	(⁶)	(⁶)	
1881-1885	476	131	1	130	87	64	105	(⁶)	(⁶)	
1886-1890	642	153	1	152	73	119	166	(⁶)	(⁶)	
1891-1895	759	285	14	271	63	145	206	(⁶)	(⁶)	
1896-1900	812	327	48	279	50	256	174	10,844	3.0	
1901-1905	1,141	642	194	848	115	389	94	13,321	4.1	
1906-1910	1,685	801	440	361	255	489	141	15,784	5.1	
1911-1915	2,202	937	652	285	363	598	309	19,706	4.7	
1916-1920	2,517	1,009	789	220	406	694	447	18,910	5.3	
1921-1925	2,846	1,162	951	211	477	622	585	22,101	5.3	
1922	2,882	1,348	1,020	328	408	592	535	20,577	6.0	
1923	2,362	971	675	296	379	537	475	20,891	4.7	
1924	2,713	1,046	881	165	448	691	529	22,833	4.0	
1925	3,887	1,175	1,090	78	650	769	780	26,624	4.4	
1926	3,050	1,052	913	7	139	603	807	27,834	3.8	
1927	3,151	944	897	7	47	620	811	26,531	3.6	
1928	3,519	1,164	1,093	7	71	749	804	28,333	4.1	
1929 (preliminary)	3,459	1,193	1,061	7	132	690	930	30,237	3.9	

¹ For 1900 to 1906, shipments to the United States. ² Statistics for 1874 to 1880 represent exports.

³ Exports 1871 to 1911, production 1912 and subsequently. ⁴ Less than 500. ⁵ Cane only export.

⁶ Not available. ⁷ Louisiana only. ⁸ Willet and Gray's estimate. ⁹ Unofficial.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 665.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES

Yearly average or year ending June 30—	Production ¹	Brought in from insular areas ²	Imports as sugar ^{3,4}	Exports as sugar ^{4,5}	Exports in other forms ⁶	Available for consumption ⁷	
						Total	Per capita
In terms of raw sugar							
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons	Pounds
1871-1875	72,508	---	777,685	5,269	(⁸)	844,924	40.7
1876-1880	96,444	---	830,375	23,820	(⁸)	902,999	38.1
1881-1885	131,073	---	1,151,724	30,347	(⁸)	1,243,449	46.5
1886-1890	152,879	---	1,414,647	43,136	(⁸)	1,524,389	50.9
1891-1895	284,346	---	1,864,201	16,903	(⁸)	2,131,644	64.3
1896-1900	326,362	---	1,943,678	5,660	(⁸)	2,204,380	62.2
1901-1905	542,788	500,764	1,830,377	7,301	(⁸)	2,876,638	71.7
1906-1910	808,015	751,650	1,950,304	32,423	(⁸)	3,483,647	78.0
1911-1915	985,511	1,038,605	2,187,469	91,554	15,164	4,104,886	86.7
1916-1920	1,069,086	1,066,272	2,884,957	642,023	44,538	4,283,754	83.3
1921-1925	1,232,959	1,314,489	3,721,100	448,697	36,102	5,783,849	104.4
1912	1,005,337	1,187,663	1,832,424	60,380	15,100	3,959,883	83.9
1913	907,070	1,026,972	2,266,426	30,963	19,217	4,150,288	86.6
1914	1,088,844	936,370	2,463,252	37,190	11,892	4,430,480	91.3
1915	1,022,828	1,098,314	2,529,963	302,641	13,585	4,334,878	87.9
1916	1,078,407	1,102,057	2,680,067	882,864	12,213	3,974,453	79.4
1917	1,193,107	1,203,938	2,527,984	676,752	29,211	4,219,066	83.2
1918	1,068,437	975,684	2,344,816	305,429	46,131	4,037,377	78.5
1919	1,102,421	1,073,944	2,799,962	568,566	36,747	4,371,013	83.8
1920	993,090	975,735	3,812,955	776,562	98,386	4,816,862	91.1
1921	1,346,811	1,076,342	3,228,279	319,589	89,491	5,242,852	97.6
1922	1,424,726	1,340,867	3,940,777	1,085,349	31,397	5,589,924	102.4
1923	1,021,360	1,235,040	4,008,205	412,196	12,568	5,899,549	106.5
1924	1,111,898	1,274,870	3,436,055	152,853	24,017	5,046,223	100.2
1925	1,260,000	1,645,819	3,931,232	273,470	22,436	6,040,695	114.2
1926	1,121,000	1,981,482	3,895,947	325,804	24,098	6,047,027	114.4
1927	1,011,000	1,689,847	3,908,880	124,555	26,303	6,518,360	110.6
1928	1,246,000	2,051,758	3,415,736	115,781	29,473	6,668,288	110.1
1929 (preliminary)	1,273,000	---	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)

¹ Beet and cane sugar only.

² Includes Hawaii, Porto Rico, and the Philippine Islands; Virgin Islands included after 1915.

³ Sugar imported in other forms excluded. Imports from the Philippine Islands excluded after 1900.

⁴ Imported raw sugar reexported is excluded from both imports and exports.

⁵ Includes shipments to Hawaii and Porto Rico. Excludes direct exports from them to foreign countries.

⁶ Sugar used in the manufacture of other commodities for exports on which drawback was paid.

⁷ Stocks at the beginning or end of year ignored. ⁸ Not computed. ⁹ Not yet available.

No. 665.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES—Continued

Year ending June 30—	Production	Brought in from insular areas	Imports as sugar	Exports as sugar	Exports in other forms	Available for consumption	
						Total	Per capita
In terms of refined sugar ¹⁰							
	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Pounds</i>
1922.....	1,325,000	1,260,894	3,680,307	1,009,377	20,182	5,234,638	95.9
1923.....	1,950,025	1,161,351	3,805,745	383,439	11,682	5,522,600	99.7
1924.....	1,034,015	1,108,777	3,214,839	142,217	22,943	5,233,115	93.7
1925.....	1,172,000	1,547,587	3,674,553	254,391	20,911	6,118,848	106.8
1926.....	1,043,000	1,850,332	3,634,323	303,073	23,298	6,210,234	106.8
1927.....	941,000	1,583,851	3,714,054	115,865	24,514	6,103,656	103.6
1928.....	1,159,000	1,930,732	3,190,396	107,704	27,469	6,150,955	103.1
1929 (preliminary).....	1,184,000	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)

⁹ Not yet available.

¹⁰ Raw sugar converted to refined by multiplying by the following factors: Cuba and Hawaii, 0.9358; Porto Rico, 0.9393; Philippine Islands, 0.95; all others, 0.932.

No. 666.—SUGAR, RAW: PERCENTAGES RELATING TO SUGAR CONSUMPTION OF CONTINENTAL UNITED STATES

Yearly average or year ending June 30—	Per cent of world production retained for consumption	Per cent of consumption from 1—			Year ending June 30—	Per cent of world production retained for consumption	Per cent of consumption from 1—		
		Domes-tic	Non-con-tiguous territory	All for-ign countries			Domes-tic	Non-con-tiguous territory	All for-ign countries
1866-1870.....	(²)				1914.....	21.1	24.5	21.1	54.4
1871-1875.....	(²)	8.6		91.4	1915.....	20.8	23.6	25.3	51.1
1876-1880.....	(²)	10.7		89.3	1916.....	21.1	27.1	27.7	45.2
1881-1885.....	(²)	10.5		89.5	1917.....	22.7	28.3	28.5	43.2
1886-1890.....	(²)	10.0		90.0	1918.....	19.9	26.4	24.2	49.4
1891-1895.....	(²)	13.3		86.7	1919.....	23.3	25.2	24.6	50.2
1896-1900.....	20.0	14.4		85.6	1920.....	26.8	18.7	20.3	61.0
1901-1905.....	21.6	18.9	17.4	63.7	1921.....	26.8	25.7	20.5	53.8
1906-1910.....	22.1	23.2	21.6	55.2	1922.....	27.2	25.5	24.0	50.5
1911-1915.....	20.7	24.0	25.3	50.7	1923.....	28.3	17.3	20.9	61.8
1916-1920.....	22.7	25.0	24.9	50.1	1924.....	24.7	19.7	22.6	57.7
1921-1925.....	26.2	21.3	22.7	56.0	1925.....	24.6	19.3	25.1	55.6
1911.....	19.3	24.8	25.9	49.3	1926.....	23.9	16.9	29.8	53.3
1912.....	22.1	25.4	30.0	44.6	1927.....	24.6	15.5	25.9	58.6
1913.....	20.4	21.0	24.7	53.4	1928.....	23.2	19.0	31.2	49.8

¹ Exports assumed to be wholly from sugar imported from foreign countries. ² Not available.

No. 667.—SUGAR: WHOLESALE PRICES OF RAW AND REFINED, NEW YORK

[Cents per pound]

Yearly average or year	Raw, 96° centrifugal		Month	Raw, 96° centrifugal		Month	Raw, 96° centrifugal		Month	Raw, 96° centrifugal	
	Raw, 96° centrifugal	Re-fined, gran-ulated		Raw, 96° centrifugal	Re-fined, gran-ulated		Raw, 96° centrifugal	Re-fined, gran-ulated			
1891-1895.....	3.4	4.4	1926		1927		1928				
1896-1900.....	4.0	4.8	Jan.....	4.2	5.1	Jan.....	5.1	6.2	Jan.....	4.5	5.7
1901-1905.....	3.9	4.8	Feb.....	4.2	5.2	Feb.....	4.9	6.0	Feb.....	4.3	5.6
1906-1910.....	3.9	4.7	Mar.....	4.0	4.9	Mar.....	4.8	5.8	Mar.....	4.5	5.7
1911-1915.....	4.1	5.0	Apr.....	4.1	5.2	Apr.....	4.8	5.8	Apr.....	4.5	5.8
1916-1920.....	7.8	8.8	May.....	4.2	5.5	May.....	4.8	6.0	May.....	4.5	5.9
1921-1925.....	5.4	6.7	June.....	4.1	5.4	June.....	4.0	6.0	June.....	4.3	5.9
1921.....	4.8	6.2	July.....	4.2	5.6	July.....	4.5	5.9	July.....	4.2	5.7
1922.....	4.7	5.0	Aug.....	4.2	5.5	Aug.....	4.5	5.6	Aug.....	4.1	5.5
1923.....	7.0	8.4	Sept.....	4.4	5.6	Sept.....	4.8	5.8	Sept.....	4.2	5.6
1924.....	6.0	7.5	Oct.....	4.0	5.7	Oct.....	4.7	5.7	Oct.....	3.9	5.2
1925.....	4.3	5.5	Nov.....	4.7	5.8	Nov.....	4.7	5.6	Nov.....	3.9	5.1
1926.....	4.3	5.5	Dec.....	5.1	6.1	Dec.....	4.6	5.6	Dec.....	3.9	5.2
1927.....	4.7	5.8									
1928.....	4.2	5.0									

Sources: Tables 665 and 666, Bureau of Agricultural Economics, Department of Agriculture; Table 667, Survey of Current Business, Department of Commerce.

No. 668.—SUGAR BEETS AND BEET SUGAR: PRODUCTION

NOTE.—Prior to 1924 acreage and production of beets are accredited to State in which made into sugar and include a small quantity produced in Canada for United States factories. "Per cent of sucrose in beets" is based on analysis; "Per cent extracted" is per cent of total weight of beets actually recovered by factories. Tons are 2,000 pounds

Yearly average or year and State	Beets produced for sugar					Sugar manufacture				
	Acres harvested	Crop ¹ (1,000 tons)	Tons per acre	Price per ton (dollars)	Farm value (1,000 dollars)	Number of factories	Beets used (1,000 tons)	Sugar made (1,000 tons)	Per cent of sucrose—	
									In beets	Ex-tracted
United States²										
1901-1905.....	227,841	2,079	9.22	4.89	10,106	45	2,079	240	15.03	11.50
1906-1910.....	386,910	3,910	10.13	5.18	20,254	63	3,910	479	15.78	12.27
1911-1915.....	640,777	5,054	10.17	5.03	30,836	67	5,477	724	16.17	13.18
1916-1920.....	697,649	6,823	8.88	9.38	58,150	88	6,200	832	15.85	13.41
1921-1925.....	694,400	6,981	10.05	7.47	51,991	88	6,606	916	15.71	13.80
1926.....	872,000	8,538	9.79	11.03	99,324	97	7,991	1,089	15.99	13.03
1927.....	815,000	7,782	9.55	6.35	49,392	92	7,414	1,020	15.77	13.76
1928.....	530,000	5,183	9.77	7.91	41,017	81	4,963	675	15.44	13.61
1929.....	657,000	7,006	10.66	8.99	62,965	89	6,505	881	15.30	13.37
1930.....	815,000	7,489	9.20	7.05	59,524	90	7,075	1,000	17.19	15.41
1931.....	647,000	7,351	11.40	6.39	47,137	88	6,993	913	14.86	13.06
1932.....	677,000	7,223	10.67	7.01	54,964	78	6,782	807	14.04	12.23
1933.....	721,000	7,753	10.75	7.07	59,455	83	7,443	1,083	16.11	14.68
1934.....	644,000	7,101	11.03	7.18	50,960	82	6,880	1,091	16.73	15.42
California:										
1916-1920.....	126,735	1,097	8.77	10.65	10,725	12	1,097	174	17.88	15.76
1921-1925.....	79,800	665	8.33	9.46	6,293	7	662	113	18.41	17.09
1926.....	46,000	360	8.0	9.25	3,411	5	363	68	19.28	18.73
1927.....	50,000	476	8.1	9.28	4,418	7	470	84	18.72	17.87
1928.....	40,000	638	13.0	8.00	5,104	5	630	103	18.14	16.85
Colorado:										
1916-1920.....	174,678	1,882	10.71	9.25	17,401	15	1,774	233	15.19	13.16
1921-1925.....	174,000	2,061	11.46	7.18	14,273	16	1,993	259	15.16	13.59
1926.....	211,000	2,912	13.8	7.92	23,050	17	2,705	377	15.05	13.03
1927.....	218,000	2,774	12.7	7.84	21,758	17	2,652	381	15.38	14.37
1928.....	179,000	2,394	13.4	7.00	16,758	17	2,410	384	16.51	15.93
Idaho:										
1916-1920.....	37,525	322	8.59	9.22	2,973	7	309	42	16.40	13.63
1921-1925.....	37,800	381	10.30	7.23	2,715	7	360	55	16.90	15.26
1926.....	18,000	108	6.0	6.91	744	3	129	19	10.28	14.73
1927.....	29,000	381	13.1	7.50	2,854	5	373	61	17.69	16.35
1928.....	27,000	297	11.0	7.00	2,070	6	317	53	17.86	16.72
Michigan:										
1916-1920.....	113,936	912	8.0	10.02	9,137	10	826	112	15.02	13.61
1921-1925.....	121,000	986	8.14	7.67	7,344	10	915	120	14.97	13.11
1926.....	100,000	793	7.9	7.00	5,552	15	860	106	15.23	12.33
1927.....	99,000	698	7.0	7.16	4,996	14	780	109	16.28	13.97
1928.....	71,000	452	6.4	7.50	3,390	12	468	64	16.30	13.97
Montana and Wyoming:³										
1922-1925.....	42,750	470	10.99	7.71	3,090	4	441	63	16.30	14.29
1926.....	68,000	730	10.8	7.55	5,557	7	638	84	14.73	13.17
1927.....	69,000	795	11.52	7.92	6,299	7	711	111	17.02	15.61
1928.....	72,000	720	10.0	7.09	5,104	8	643	103	17.26	16.02
Nebraska:										
1916-1920.....	53,315	540	10.13	9.02	5,201	4	505	64	15.07	12.68
1921-1925.....	61,800	763	12.35	7.10	5,419	5	718	96	15.34	13.39
1926.....	79,000	923	11.7	7.88	7,274	6	898	104	13.14	11.58
1927.....	82,000	1,080	12.0	7.96	8,241	7	1,012	134	15.12	13.24
1928.....	86,000	1,021	11.9	7.00	7,147	7	975	140	16.29	14.97
Ohio:										
1916-1920.....	32,331	289	8.94	9.84	2,846	5	291	31	15.40	12.15
1921-1925.....	35,600	313	8.80	7.85	2,532	5	291	34	14.47	11.62
1926.....	35,000	340	9.7	7.00	2,383	5	270	26	12.59	9.63
1927.....	37,000	325	8.8	7.00	2,272	4	249	36	16.87	14.46
1928.....	38,000	266	7.0	7.50	1,965	5	238	31	10.00	13.03
Utah:										
1916-1920.....	89,206	904	11.14	9.63	9,569	10	896	109	15.29	12.09
1921-1925.....	83,200	930	11.18	6.85	6,413	17	879	123	16.09	13.96
1926.....	51,000	415	8.1	6.97	2,894	10	356	65	16.29	14.89
1927.....	55,000	677	12.3	7.03	4,761	11	623	94	16.69	15.00
1928.....	51,000	637	12.5	7.00	4,450	11	568	90	17.28	15.85
Wisconsin:										
1916-1920.....	12,397	110	8.85	9.89	1,084	4	99	12	15.05	11.64
1921-1925.....	14,600	120	8.25	7.43	951	4	111	18	15.30	12.05
1926.....	17,000	158	9.3	7.24	1,141	3	107	12	14.02	11.21
1927.....	11,000	90	8.2	7.00	633	3	100	13	10.00	13.00
1928.....	8,000	74	9.2	7.50	555	3	80	12	10.56	13.95

¹ Beets used 1901 to 1912. ² Includes data for States not shown covering 63,000 acres of beets in 1928.

³ Four-year average.

⁴ Preliminary.

⁵ Prior to 1922 Montana and Wyoming data not segregated.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 669.—LOUISIANA SUGAR CANE, CANE SUGAR, AND MOLASSES

NOTE.—Louisiana produces practically all the cane sugar produced in the United States. In other States cane is largely used for making sirup (see Table 672). Tons are of 2,000 pounds

Yearly average or year	Total acres in cane	Cane used for sugar			Factories in operation	Sugar made		Molasses made	
		Acres harvested	Crop (1,000 tons)	Yield per acre (tons)		Amount (1,000 tons)	Per ton of cane (pounds)	Amount (1,000 gallons)	Per ton of sugar (gallons)
1911-1915		230,200	3,496	14.0	150	230	137.6	20,066	88
1916-1920		211,789	3,286	15.1	133	224	135.4	22,956	102
1921-1925	305,320	207,589	3,044	13.9	107	202	139.9	19,286	91
1924	301,100	162,640	1,228	7.6	82	88	144.1	9,590	109
1925	283,000	190,248	2,045	14.0	91	139	105.4	17,783	128
1926	198,000	127,916	804	6.7	54	47	109.1	6,614	141
1927	105,000	72,987	962	13.4	46	71	147.2	6,624	94
1928	151,680	114,991	1,860	16.2	55	132	141.9	13,535	162

SUGAR MADE (1,000 TONS)

1900	258	1911	353	1916	304	1921	324
1907	381	1912	154	1917	244	1922	295
1908	398	1913	293	1918	281	1923	162
1909	304	1914	243	1919	121	1924	88
1910	343	1915	138	1920	169	1925	139

No. 670.—HAWAIIAN SUGAR CANE AND CANE SUGAR

NOTE.—Figures are for years ending September 30. All tons are of 2,000 pounds

Yearly average or year	Total acres in cane	Cane used for sugar			Sugar made	
		Acres harvested	Crop (1,000 tons)	Yield per acre (tons)	Amount (1,000 tons)	Per cent of cane used
All islands:						
1913-1915		113,500	4,854	43	602	12.39
1916-1920	251,206	118,584	4,880	41	594	12.30
1921-1925	234,700	116,820	5,263	45	622	11.84
1924	232,000	111,000	5,661	51	691	12.21
1925	241,000	122,000	6,297	52	769	12.21
1926	237,774	122,309	6,490	53	787	12.12
1927	231,237	127,417	7,181	56	812	11.81
1928	240,769	131,534	7,707	59	897	11.64
Hawaii—						
1926	100,063	55,236	2,442	44	279	11.42
1927	110,978	56,135	2,516	45	261	10.38
1928	106,653	56,111	2,736	49	295	10.78
Kauai—						
1926	44,796	23,494	1,163	49	136	11.77
1927	51,137	26,810	1,432	53	156	10.92
1928	44,535	28,279	1,505	53	163	10.83
Maui—						
1926	30,518	10,886	1,186	60	159	13.41
1927	42,082	20,632	1,338	65	172	12.86
1928	47,850	21,752	1,454	67	192	13.20
Onu—						
1926	44,397	23,693	1,715	72	213	12.46
1927	47,040	23,840	1,895	79	223	11.76
1928	41,730	25,391	2,013	79	247	12.27

TOTAL, ALL ISLANDS: SUGAR MADE (1,000 TONS)

1900	429	1911	567	1916	693	1921	522
1907	440	1912	695	1917	645	1922	562
1908	521	1913	547	1918	577	1923	537
1909	535	1914	612	1919	690	1924	661
1910	617	1915	646	1920	556	1925	769

Sources: Table 669 and Table 670 prior to 1923, Bureau of Agricultural Economics, Department of Agriculture; Table 670, beginning 1923, Hawaiian Sugar Planters Association.

No. 671.—MAPLE SUGAR AND SIRUP: PRODUCTION BY STATES

State and year	Trees tapped	Sugar made	Sirup made	Total product in terms of sugar ¹	State and year	Trees tapped	Sugar made	Sirup made	Total product in terms of sugar ¹
CENSUS RETURNS									
Total United States:	<i>Thousands</i>	<i>1,000 pounds</i>	<i>1,000 gallons</i>	<i>1,000 pounds</i>	Vermont:	<i>Thousands</i>	<i>1,000 pounds</i>	<i>1,000 gallons</i>	<i>1,000 pounds</i>
1850	40,120	1,595	52,901	52,901	1925	5,554	1,794	956	9,442
1860	28,444	921	36,812	36,812	1926	5,554	1,602	980	9,442
1870	36,876	1,796	60,944	60,944	1927	5,065	1,694	1,417	13,030
1880	32,063	2,258	51,020	51,020	1928 ²	5,722	1,133	1,038	9,437
1890	11,920	2,057	28,382	28,382	Massachusetts:				
1900	18,000	14,024	4,106	46,912	1925	272	126	56	571
1910	17,457	9,692	3,508	37,754	1926	272	128	86	816
DEPARTMENT OF AGRICULTURE²					1927	277	132	75	732
Total:					1928 ²	280	134	67	670
1920	18,895	7,324	3,580	35,000	New York:				
1921	15,114	4,730	2,388	23,820	1925	3,098	624	896	7,792
1922	16,274	5,147	3,640	34,263	1926	3,058	1,168	1,128	10,192
1923	15,291	4,685	3,605	33,533	1927	3,830	733	1,002	8,740
1924	15,407	4,078	3,903	35,302	1928 ²	3,647	549	718	6,293
1925	15,313	3,236	3,089	27,948	Pennsylvania:				
1926	15,245	3,577	3,900	34,776	1925	696	208	101	1,786
1927	14,003	3,236	3,672	32,012	1926	696	223	251	2,231
1928 ²	14,388	2,358	3,013	26,492	1927	620	148	139	1,260
Maine:					1928 ²	607	67	157	1,323
1925	320	22	51	432	Ohio:				
1926	304	29	61	517	1925	1,747	122	341	2,850
1927	310	15	60	495	1926	1,700	68	578	4,092
1928 ²	304	3	38	307	1927	1,066	134	489	4,046
New Hampshire:					1928 ²	1,583	129	486	4,017
1925	798	227	161	1,516	Michigan:				
1926	790	233	198	1,817	1925	838	75	179	1,507
1927	822	289	164	1,691	1926	863	100	300	2,503
1928 ²	806	274	137	1,370	1927	828	72	172	1,448
					1928 ²	860	70	208	1,734
					Wisconsin:				
					1925	575	28	110	908
					1926	575	18	155	1,258
					1927	570	19	154	1,251
					1928 ²	570	20	164	1,341

¹ 1 gallon of sirup taken as equivalent to 8 pounds of sugar.

² Totals cover the 9 States listed, except that for 1920 to 1923 Connecticut, which produced only a negligible quantity of sugar and sirup, and prior to 1927 Indiana, are included. The 11 States included for 1920 to 1923 produced 97.1 per cent of the maple sugar and 97.2 per cent of the maple sirup made in the United States in 1919, and had 98.1 per cent of the trees tapped as reported by the Bureau of the Census.

³ Preliminary.

No. 672.—SUGAR CANE AND SIRUP IN SOUTHERN STATES

NOTE.—Sorghum, sometimes confused with sugar cane, is not included. For molasses, a by-product of sugar refineries and not included in this table, see Table 669

State and year	Cane harvested for sirup	Sirup produced	State and year	Cane harvested for sirup	Sirup produced
All States:	<i>Acres</i>	<i>1,000 gallons</i>	Alabama:	<i>Acres</i>	<i>1,000 gallons</i>
1920	174,100	38,980	1926	20,000	3,300
1921	210,200	41,107	1927	18,000	2,490
1922	214,300	41,611	1928	10,000	1,872
1923	209,000	39,620	Mississippi:		
1925	125,000	26,400	1926	14,000	2,870
1926	132,000	22,172	1927	17,000	3,655
1927	114,000	20,839	1928	18,000	3,000
1928	113,000	21,783	Louisiana:		
South Carolina:			1926	34,000	4,516
1926	5,000	700	1927	15,000	4,787
1927	7,000	980	1928	23,000	3,061
1928	6,000	750	Texas:		
Georgia:			1926	11,000	2,150
1926	35,000	6,125	1927	12,000	2,040
1927	34,000	5,100	1928	11,000	1,760
1928	29,000	4,060	Arkansas:		
Florida:			1926	3,000	405
1926	10,000	2,100	1927	2,000	200
1927	9,000	1,647	1928	2,000	240
1928	8,000	1,440			

Source of Tables 671 and 672. Bureau of Agricultural Economics, Department of Agriculture, except data for 1859 to 1919, Table 671, which are from the Bureau of the Census, Department of Commerce.

No. 673.—COTTONSEED AND COTTONSEED PRODUCTS: PRODUCTION, VALUE, AND EXPORTS

NOTE.—Data relate to 12 months ended July 31, except exports, which are for 12 months ended June 30 of year indicated in stub. Tons are of 2,000 pounds

Yearly average or year ended July 31 or June 30—	Cottonseed		Cottonseed products																			
	Pro-duction	Used in mills	Production				Value					Value per unit				Exports						
			Oil	Meal and cake	Hulls	Linters	All products	Oil	Meal and cake	Hulls	Linters	Oil	Meal and cake	Hulls	Linters	Oil	Meal and cake					
																		1,000 tons	1,000 tons	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Cents per lb.	Dollars per ton	Dollars per ton	Cents per pound	1,000 pounds	1,000 tons
1881-1890	3,018	553	185,810	193			12,064	7,864	4,300													
1891-1900	4,280	1,625	483,015	570	1,169	114,544	25,580	13,348	11,733	3,190	21,800	2,8	20.58	2,2	3.1	191,157	3	388				
1901-1905	5,139	3,055	890,745	1,180	1,382	167,327	65,148	34,038	22,824	5,400	2,886	3.8	20.19	3.91	3.4	297,888		548				
1906-1910	5,258	3,296	99,450	1,339	1,215	282,064	83,424	40,432	32,266	7,242	3,514	40.7	24.07	6.06	2.5	311,463		578				
1911-1915	6,353	4,847	1,466,940	2,162	1,527	595,225	143,766	75,334	51,580	10,126	6,526	5.1	23.86	6.63	2.2	290,311		551				
1916-1920	5,116	4,285	1,302,500	2,041	1,093	943,474	312,781	179,249	92,191	14,845	26,496	13.8	45.18	13.58	5.6	172,877		301				
1921-1925	4,878	3,646	1,125,196	1,654	1,082	578,384	177,947	91,147	61,141	11,539	14,120	8.1	37.10	10.87	4.6	106,371		258				
1914	6,305	4,848	1,449,975	2,220	1,400	660,087	159,670	81,020	59,810	11,210	7,630	5.6	26.94	8.00	2.3	192,963		400				
1915	7,136	5,780	1,719,450	2,648	1,677	820,274	182,880	80,540	57,740	8,450	6,150	4.7	21.81	5.04	1.5	318,367		740				
1916	4,992	4,202	1,253,325	1,923	1,220	889,577	180,260	87,940	53,860	12,340	26,120	7.0	28.01	10.11	2.9	266,512		529				
1917	5,113	4,479	1,407,600	2,225	969	1,273,345	287,192	153,419	74,586	13,994	45,193	10.9	33.52	14.44	7.1	158,986		575				
1918	5,040	4,252	1,312,470	2,068	996	1,080,802	360,736	217,902	97,352	18,878	26,604	16.6	47.08	18.95	4.9	100,780		22				
1919	5,360	4,479	1,325,333	2,170	1,137	889,500	383,580	227,316	116,119	17,917	22,228	17.2	53.51	15.76	5.0	178,700		156				
1920	5,074	4,013	1,211,464	1,817	1,143	584,146	352,138	209,668	119,039	11,095	12,336	17.3	65.51	9.71	4.2	159,400		225				
1921	5,971	4,069	1,309,183	1,786	1,256	422,226	156,513	84,650	58,298	10,059	3,506	6.5	32.64	8.00	1.7	283,263		227				
1922	3,531	3,008	930,475	1,355	937	383,547	136,974	71,508	49,898	8,949	6,619	7.7	36.84	9.55	3.5	91,615		266				
1923	4,336	3,242	1,002,922	1,457	944	584,177	173,254	84,818	59,037	12,200	17,199	8.5	39.70	12.93	5.9	64,292		227				
1924	4,502	3,308	979,617	1,518	941	642,348	182,137	88,093	59,300	12,737	22,007	9.0	39.06	13.54	6.9	39,429		125				
1925	6,051	4,605	1,403,781	2,126	1,331	859,624	240,855	126,665	79,173	13,749	21,268	9.0	37.24	10.33	4.9	53,261		443				
1926	7,130	5,558	1,617,015	2,597	1,647	1,068,919	256,227	138,652	81,608	12,649	23,218	8.6	31.39	8.17	4.3	63,230		358				
1927	7,989	6,306	1,887,910	2,840	1,854	1,112,019	240,284	142,242	72,476	8,832	16,684	7.5	25.52	4.79	3.0	57,580		495				
1928	5,758	4,654	1,478,609	2,083	1,320	977,870	247,827	132,372	80,882	9,995	24,378	9.0	38.50	7.57	5.1	61,470		332				
Alabama	530	297	95,534	133	87	59,069	16,015	8,732	5,010	752	1,521	9.1	37.67	8.64	5.2							
Arkansas	444	309	102,616	126	96	65,784	16,515	9,112	4,955	594	1,854	8.9	39.33	6.19	5.6							
Georgia	488	445	147,753	199	128	95,139	24,341	13,505	7,452	1,079	2,305	9.1	37.45	8.43	4.9							
Louisiana	243	165	53,110	72	48	34,468	8,615	4,759	2,637	357	862	9.0	36.63	7.44	5.1							
Mississippi	602	555	184,984	233	161	119,197	30,801	16,797	8,998	1,074	3,932	9.1	38.62	6.67	6.6							
North Carolina	382	303	100,281	139	78	59,082	16,335	8,985	5,277	569	1,504	9.0	37.96	7.29	5.1							
Oklahoma	461	383	117,577	183	103	75,582	20,019	10,264	7,282	701	1,772	8.7	39.79	6.81	4.7							
South Carolina	324	212	69,064	99	52	49,801	11,729	6,147	3,832	464	1,286	8.9	38.71	8.92	5.1							
Tennessee	159	265	86,480	108	82	64,601	14,641	7,973	4,300	556	1,812	9.2	39.81	6.78	5.6							
Texas	1,940	1,556	466,822	723	443	323,928	79,877	41,267	27,920	3,510	7,180	8.8	38.62	7.92	4.4							
Other States	185	163	52,388	78	44	31,319	8,939	4,831	2,919	390	850	9.2	37.42	7.70	5.5							

¹ Of 500 pounds net.

² Figures for 1900.

³ Six-year average, 1895-1900.

Source: Bureau of the Census, Department of Commerce.

No. 674.—COTTON: PRODUCTION, CONSUMPTION, EXPORTS, IMPORTS, AND PRICES

NOTE.—All quantities in thousands of bales, reduced to equivalent of 500 pounds, gross weight. Production statistics relate to the growth year indicated in the stub. Other statistics for the most part relate to the 12-month period roughly corresponding to the marketing of the crop; there have been minor variations from time to time in the periods covered. An exception appears in the price statistics from 1902 to 1909 which represent marketings of the preceding crop up to Mar. 31. Prices for 1902 to 1909 represent the average grade at New Orleans. Prices from 1910 to date represent average price on the farm of all lint cotton throughout the country. Production, consumption, and exports include linters

Year or yearly average (growth year)	Production	Consumption	Domestic exports	Net imports	Year (growth year)	Production	Consumption	Domestic exports	Net imports
1790-----	3	11	(¹)	1	1906-----	13,595	4,074	8,825	203
1800-----	73	19	32	9	1907-----	11,375	4,403	7,780	141
1810-----	178	36	124	(¹)	1908-----	13,687	5,199	8,890	165
1820-----	385	100	260	(¹)	1909-----	10,315	4,759	6,492	151
					1910-----	12,066	4,713	8,020	231
1830-----	732	130	554	(¹)					
1840-----	1,348	245	1,000	1	1911-----	16,260	5,400	11,081	229
1850-----	2,136	423	1,854	(¹)	1912-----	14,313	5,867	9,190	225
1860-----	3,841	842	615		1913-----	14,706	5,943	9,256	206
1870-----	4,025	1,027	2,923	2	1914-----	16,692	6,087	8,931	364
					1915-----	12,123	7,327	6,400	421
1866-1875-----	3,104	1,007	2,164	3					
1876-1885-----	5,452	1,708	3,721	6	1916-----	12,781	7,721	5,964	288
1886-1895-----	7,030	2,473	5,174	52	1917-----	12,428	7,555	4,587	217
1896-1900-----	10,133	3,455	6,907	115	1918-----	12,970	6,289	5,843	197
					1919-----	12,020	6,808	6,701	683
1901-1905-----	11,007	4,330	7,210	141	1920-----	13,880	5,478	6,026	211
1906-1910-----	12,176	4,828	8,002	178					
1911-1915-----	14,895	6,125	8,975	301	1921-----	8,351	6,560	6,470	352
1916-1920-----	12,817	6,770	5,836	319	1922-----	10,370	7,350	5,049	450
1921-1925-----	12,247	6,864	6,855	338	1923-----	10,808	6,225	5,930	272
					1924-----	14,488	6,878	8,435	303
1901-----	9,676	4,080	6,870	160	1925-----	17,219	7,307	8,377	314
1902-----	10,827	4,187	6,914	149					
1903-----	10,046	3,981	6,234	100	1926-----	19,135	8,178	11,587	382
1904-----	13,680	4,523	9,057	130	1927-----	13,972	7,829	8,080	321
1905-----	10,805	4,877	6,975	133	1928 (prel.)-----	15,760	8,215	8,637	442

AVERAGE PRICE, UPLAND LINT COTTON, CENTS PER POUND

1790-----	26.0	1901-1905-----	6.6	1912-----	11.5	1927-----	20.2
1800-----	44.0	1906-1910-----	11.8	1913-----	12.5	1928-----	18.0
1810-----	15.5	1911-1915-----	10.4	1914-----	7.3		
1820-----	14.3	1916-1920-----	24.9	1915-----	11.2	1928:	
1830-----	9.7	1921-1925-----	22.2	1916-----	17.3	August-----	18.8
						September-----	17.6
1840-----	9.5			1917-----	27.1	October-----	18.1
1850-----	12.1	1901-----	8.1	1918-----	28.8	November-----	17.8
1860-----	13.0	1902-----	8.2	1919-----	35.4	December-----	18.0
1870-----	17.0	1903-----	12.2	1920-----	15.8	1929:	
1871-1875-----	16.7	1905-----	10.9	1921-----	16.9	January-----	17.9
		1906-----	10.0			February-----	18.0
1876-1880-----	11.4	1907-----	11.5	1922-----	22.9	March-----	18.8
1881-1885-----	10.7	1908-----	9.2	1923-----	28.7	April-----	18.5
1886-1890-----	10.3	1909-----	14.3	1924-----	22.0	May-----	18.0
1891-1895-----	7.5	1910-----	14.0	1925-----	19.0	June-----	17.9
1896-1900-----	6.9	1911-----	9.6	1926-----	12.5	July-----	17.8

¹ Less than 500 bales.

Source: Bureau of the Census. See Bulletin 164, p. 53, of that bureau for original sources.

No. 675.—EXPORTS OF UNITED STATES COTTON (INCLUDING LINTERS)

Yearly average or year ended June 30—	Total value (thousands of dollars)	Quantity in thousands of equivalent 500-pound bales, exported to—									
		All countries	Total Europe	United Kingdom	Germany	France	Italy	Spain	Belgium	Japan	Canada
1866-1875.....	205, 285	1, 983	1, 072	1, 433	142	227	17	50	11	-----	4
1876-1885.....	200, 146	3, 594	3, 653	2, 311	336	421	54	125	28	-----	21
1886-1895.....	227, 678	5, 121	5, 020	2, 951	844	536	162	192	120	18	64
1896-1900.....	220, 557	6, 405	6, 163	2, 968	1, 523	715	367	239	122	167	96
1901-1905.....	334, 256	7, 097	6, 769	3, 096	1, 812	778	431	251	139	158	113
1906-1910.....	437, 582	7, 850	7, 508	3, 243	2, 130	956	486	252	130	183	133
1911-1915.....	537, 044	9, 318	8, 700	3, 804	2, 196	1, 031	648	327	104	363	165
1916-1920.....	765, 515	5, 920	4, 972	2, 796	-----	705	614	310	-----	661	211
1921-1925.....	764, 101	6, 386	5, 405	1, 863	1, 390	764	584	272	186	713	189
1914.....	610, 475	6, 522	8, 972	3, 582	2, 884	1, 139	537	267	227	353	151
1915.....	376, 218	8, 807	8, 025	3, 920	294	693	1, 127	405	5	429	183
1916.....	374, 186	6, 168	6, 273	2, 761	-----	890	837	340	-----	503	198
1917.....	543, 075	6, 176	6, 328	2, 895	-----	1, 056	687	394	-----	531	187
1918.....	655, 025	4, 641	3, 783	2, 387	-----	659	369	259	-----	584	250
1919.....	873, 530	5, 526	4, 497	2, 494	-----	774	558	281	73	809	203
1920.....	1, 381, 708	7, 087	5, 977	3, 445	421	596	617	275	210	870	217
1921.....	900, 186	5, 623	4, 775	1, 787	1, 152	591	558	201	166	555	169
1922.....	596, 379	6, 718	5, 476	1, 807	1, 617	820	400	342	186	895	201
1923.....	658, 983	5, 253	4, 314	1, 403	946	704	572	250	136	679	217
1924.....	903, 075	5, 899	5, 129	1, 695	1, 346	751	564	216	169	584	152
1925.....	1, 060, 980	8, 439	7, 332	2, 623	1, 892	951	756	290	224	850	207
1926.....	917, 730	8, 212	6, 713	2, 298	1, 600	944	745	315	203	1, 118	254
1927.....	860, 623	11, 560	9, 071	2, 673	2, 982	1, 089	845	364	295	1, 644	281
1928.....	820, 537	8, 120	6, 640	1, 465	2, 222	940	715	321	221	1, 007	246

¹ 5-year average, 1891-1895.

No. 676.—COFFEE: IMPORTS AND REEXPORTS

NOTE.—Imports and reexports in thousands of pounds.—Years ended June 30 through 1918; thereafter calendar years. Imports represent imports from foreign countries and from territories and possessions into continental United States, and reexports represent exports from continental United States to foreign countries and outlying territories and possessions

Yearly average or year	Imports	Reexports	Net imports per capita, pounds	Average import price per pound, cents	Year	Imports	Reexports	Net imports per capita, pounds	Average import price per pound, cents
1830.....	51, 488	13, 125	2.99	8.3	1890.....	831, 827	30, 070	10.72	6.5
1840.....	94, 996	8, 698	5.04	8.8	1900.....	787, 962	39, 191	9.84	6.7
1850.....	145, 273	15, 481	5.58	7.6	1901.....	857, 018	45, 835	10.43	7.4
1851-1860.....	203, 190	14, 710	6.78	0.0	1902.....	1, 092, 344	35, 125	13.32	6.4
1861-1870.....	173, 290	8, 229	4.60	10.5	1903.....	923, 264	48, 849	10.30	6.6
1871-1880.....	331, 925	7, 911	7.19	14.7	1904.....	998, 677	35, 102	11.07	7.0
1881-1890.....	513, 039	24, 725	8.52	10.8	1905.....	1, 046, 028	37, 037	11.98	8.1
1891-1895.....	585, 270	8, 788	8.61	16.8	1906.....	853, 800	19, 133	9.72	8.6
1896-1900.....	761, 715	21, 819	10.07	8.0	1907.....	986, 596	11, 627	11.15	7.9
1901-1905.....	983, 464	40, 400	11.65	7.1	1908.....	892, 092	17, 115	9.82	7.6
1906-1910.....	931, 044	15, 326	10.29	7.9	1909.....	1, 051, 750	15, 188	11.43	7.5
1911-1915.....	952, 908	21, 493	9.65	11.5	1910.....	873, 934	13, 569	9.33	7.9
1916-1920 ²	1, 227, 214	67, 382	11.20	-----	1911.....	878, 322	8, 371	9.29	10.3
1921-1925.....	1, 343, 579	40, 594	11.67	-----	1912.....	887, 748	7, 196	9.26	13.3
1881.....	455, 190	31, 913	8.21	12.5	1913.....	866, 054	7, 135	8.90	13.8
1882.....	450, 923	24, 343	8.25	10.0	1914.....	1, 006, 362	13, 811	10.14	11.1
1883.....	515, 879	37, 376	8.84	8.2	1915.....	1, 126, 042	70, 953	10.62	9.6
1884.....	534, 786	26, 153	9.18	9.3	1916.....	1, 203, 841	75, 818	11.20	9.6
1885.....	572, 000	33, 335	9.52	8.2	1917.....	1, 322, 059	57, 503	12.38	10.1
1886.....	564, 708	27, 496	9.27	7.6	1918.....	1, 145, 956	65, 598	10.43	9.0
1887.....	526, 109	25, 290	8.46	10.7	1918 (6 mos.).....	436, 771	23, 815	-----	10.0
1888.....	423, 646	16, 083	6.75	14.0	1919.....	1, 341, 306	93, 021	11.89	19.5
1889.....	573, 397	17, 265	9.08	13.0	1920.....	1, 290, 743	54, 846	11.70	10.5
1890.....	499, 159	8, 997	7.77	16.0	1921.....	1, 345, 367	41, 821	12.02	10.7
1891.....	519, 528	8, 487	7.94	19.0	1922.....	1, 248, 938	35, 576	11.04	13.9
1892.....	640, 211	10, 539	9.59	20.0	1923.....	1, 412, 233	31, 899	12.36	13.5
1893.....	563, 469	12, 074	8.23	14.0	1924.....	1, 423, 768	39, 213	12.17	17.5
1894.....	550, 934	3, 805	8.01	16.4	1925.....	1, 287, 001	27, 833	10.92	22.3
1895.....	652, 209	8, 974	9.24	14.7	1926.....	1, 405, 517	26, 629	12.54	21.6
1896.....	580, 598	7, 026	8.08	14.6	1927.....	1, 444, 124	24, 029	11.97	18.5
1897.....	737, 646	13, 086	10.04	11.1	1928.....	1, 400, 871	19, 379	12.01	21.3
1898.....	870, 514	18, 823	11.50	7.5					

¹ Overvalued, due to depreciation of Brazilian paper milreis. ² Average, July 1, 1915, to Dec. 31, 1920. Source Tables 675 and 676: Bureau of Foreign and Domestic Commerce.

No. 677.—TEA: NET IMPORTS

NOTE.—Quantity, except per capita, in thousands of pounds; value in thousands of dollars; per capita in pounds. Years ended June 30 through 1918; thereafter, calendar years. Beginning 1919, data relate to trade of continental United States only; see headnote, Table 676; prior to that time the small trade between the United States and noncontiguous territories is not included

Yearly average or year	Quantity	Value	Per capita	Yearly average or year	Quantity	Value	Per capita	Year	Quantity	Value	Per capita
1840-----	6,873	4,067	.99	1921-1925....	92,202	30,829	.83	1920-----	87,801	23,408	.83
1850-----	16,883	3,982	1.21	1910-----	83,298	13,349	.90	1921-----	75,002	13,797	.69
1851-1860----	28,200	5,361	.76	1911-----	90,367	17,166	1.06	1922-----	93,888	28,067	.85
1861-1870----	21,028	8,909	.91	1912-----	100,395	18,057	1.06	1923-----	102,157	28,800	.91
1871-1880----	32,894	18,550	1.32	1913-----	93,911	17,295	.97	1924-----	90,567	26,608	.80
1881-1890----	59,536	15,071	1.34	1914-----	90,148	16,599	.92	1925-----	99,467	30,957	.86
1891-1895----	76,534	13,689	1.34	1915-----	92,174	16,793	.93	1926-----	91,512	30,855	.81
1896-1900----	89,075	11,357	1.17	1916-----	109,075	20,442	1.08	1927-----	87,896	27,691	.74
1901-1905----	86,217	13,849	1.18	1917-----	102,739	19,068	1.01	1928-----	88,843	26,815	.75
1906-1910----	95,814	15,211	1.05	1918-----	147,879	29,469	1.42				
1911-1915----	93,595	17,176	0.99	1918 ² -----	76,365	16,461	-----				

¹ Average for period July 1, 1915, to Dec. 31, 1920.

² June 30 to Dec. 31, 1918.

No. 678.—COCOA AND CHOCOLATE: IMPORTS

NOTE.—Quantity in thousands of pounds; value in thousands of dollars. For data covering additional and fiscal years see Statistical Abstract, 1924, Table 577

Yearly average or year ¹	Cocoa and chocolate, prepared or manufactured ²		Year ¹	Cocoa and chocolate, prepared or manufactured ²		Year ¹	Cocoa and chocolate, prepared or manufactured ²	
	Quantity	Value		Quantity	Value		Quantity	Value
1881-1890----	13,504	1,891	1906-----	84,127	9,099	1918-----	300,015	37,972
1891-1900----	29,408	4,120	1907-----	97,060	14,579	1919-----	392,365	58,342
1901-1905----	63,600	8,260	1908-----	86,005	15,284	1920-----	344,986	54,811
1906-1910----	102,304	13,378	1909-----	32,661	15,562	1921-----	300,568	23,500
1911-1915----	161,473	19,002	1910-----	111,070	11,969	1922-----	347,010	32,671
1916-1920----	346,583	45,480	1911-----	140,970	16,261	1923-----	416,818	34,906
1921-1925----	367,907	32,019	1912-----	148,786	16,590	1924-----	382,029	30,152
1901-----	47,620	6,904	1913-----	143,510	18,177	1925-----	387,108	30,412
1902-----	52,879	7,054	1914-----	179,373	21,504	1926-----	431,117	44,227
1903-----	65,047	8,257	1915-----	194,734	23,478	1927-----	431,049	58,291
1904-----	75,071	9,601	1916-----	244,911	34,002	1928-----	388,636	49,216

¹ Fiscal years through 1915; calendar years thereafter.

² Not including confectionery.

³ Includes 3-year average for quantity of chocolate and 9-year average for its value.

No. 679.—SILK AND SILK MANUFACTURES: FOREIGN TRADE

[Quantity in thousands of pounds; value, except average price per pound, in thousands of dollars]

Yearly average or year ¹	Unmanufactured silk, imports			Silk manufactures, value		Year ¹	Unmanufactured silk, imports			Silk manufactures, value	
	Quantity	Value	Average price per pound	Imports ²	Exports		Quantity	Value	Average price per pound	Imports ²	Exports
1881-1890----	5,328	16,775	3.15	34,102	83	1912-----	26,585	60,542	2.62	24,601	2,009
1891-1900----	9,269	26,843	2.90	20,775	268	1913-----	32,102	84,915	2.65	27,590	2,401
1901-1905----	15,798	45,968	2.91	32,215	425	1914-----	34,546	100,030	2.92	35,458	2,316
1906-1910----	20,281	67,414	3.32	33,725	835	1915-----	31,053	83,131	2.68	26,050	2,754
1911-1915----	30,190	82,703	2.74	28,306	2,210	1916-----	40,872	149,785	3.60	37,110	6,363
1916-1920----	45,641	235,332	5.16	47,121	16,735	1917-----	43,428	189,753	4.37	39,763	8,608
1921-1925----	62,030	356,287	5.74	40,941	12,992	1918-----	48,721	104,100	3.09	28,569	17,982
1901-----	10,406	30,051	2.89	27,081	254	1919-----	55,522	341,887	6.10	54,746	23,093
1902-----	14,235	42,635	3.00	32,888	312	1920-----	39,600	301,038	7.59	75,419	26,821
1903-----	15,271	50,011	3.27	36,168	432	1921-----	52,332	264,723	5.06	48,270	9,072
1904-----	16,723	46,101	2.76	32,173	497	1922-----	58,407	371,620	6.36	37,413	11,824
1905-----	22,357	61,040	2.73	32,813	630	1923-----	61,954	401,055	6.48	44,607	11,136
1906-----	17,352	54,081	3.13	33,138	609	1924-----	60,603	335,041	5.53	37,699	14,148
1907-----	18,744	71,412	3.81	38,903	708	1925-----	70,795	408,380	5.82	36,719	18,182
1908-----	16,662	64,547	3.87	32,968	770	1926-----	77,060	402,676	5.18	40,570	17,738
1909-----	25,188	79,904	3.17	30,710	926	1927-----	80,344	399,088	4.93	42,234	15,298
1910-----	23,457	87,130	2.86	32,898	1,162	1928-----	88,268	373,331	4.23	41,298	18,648

¹ Fiscal years through 1915; calendar thereafter.

² Includes artificial silk prior to 1911.

³ Raw silk.

Source of Tables 677, 678, and 679: Bureau of Foreign and Domestic Commerce.

No. 680.—RUBBER: WORLD PRODUCTION AND UNITED STATES IMPORTS

NOTE.—For value of imports see Table 560. Tons are of 2,240 pounds

Year	World production			United States				Average price per pound, New York	
	Total	Plan-tation	Total wild (mainly tropical America and Africa)	Imports ¹	Reex-ports	Retained		Fine para	Ribbed smoked sheet
						Amount	Share of world production		
	Long tons	Long tons	Long tons	Long tons	Long tons	Long tons	Per cent	Dollars	Dollars
1905	59,494	174	59,320	28,637	1,616	27,021	45.4	1.243	-----
1906	62,581	577	62,004	30,310	1,676	28,640	45.8	1.213	-----
1907	67,170	1,157	66,013	30,649	1,832	28,817	42.9	1.063	-----
1908	80,566	1,798	78,768	34,058	1,655	32,403	48.7	.871	-----
1909	73,756	3,386	70,370	41,950	2,156	30,794	54.0	1.481	-----
1910	93,950	10,910	83,040	45,003	2,749	42,254	45.0	1.908	2.066
1911	94,055	17,501	159,588	44,424	2,523	41,901	44.6	1.110	1.413
1912	114,276	33,306	80,970	58,435	2,450	55,979	49.0	1.052	1.216
1913	120,123	53,044	66,470	53,906	1,881	52,025	43.3	.807	.820
1914	123,173	74,587	48,580	64,884	2,618	62,266	50.6	.616	.653
1915	170,826	110,370	54,456	101,693	2,082	99,011	68.0	.657	.659
1916	214,089	161,842	62,247	121,709	4,008	117,611	54.9	.669	.725
1917	278,140	221,452	56,688	183,256	4,000	179,256	64.4	.648	.722
1918	210,684	181,061	38,623	146,132	2,746	143,386	65.8	.649	.602
1919	366,731	348,900	50,741	240,689	2,282	238,407	50.6	.483	.487
1920	342,633	305,106	36,927	253,680	4,100	249,520	73.0	.333	.363
1921	301,512	277,516	23,996	185,452	5,716	179,736	59.6	.182	.163
1922	406,304	370,520	26,874	301,203	4,809	296,394	72.9	.183	.175
1923	408,641	380,058	28,583	310,236	8,772	301,527	73.8	.248	.295
1924	426,901	394,037	31,054	328,322	10,309	319,013	74.9	.212	.262
1925	528,485	488,825	39,660	400,423	14,827	385,596	73.1	.569	.735
1926	623,265	532,163	41,102	417,643	17,671	399,972	64.0	.380	.487
1927	612,604	508,133	44,431	431,246	27,775	403,471	66.0	.268	.381
1928	668,000	526,181	31,810	430,732	32,150	407,573	61.9	.186	.226

¹ Includes guayula.

² Preliminary estimates.

Source: Bureau of Foreign and Domestic Commerce (compiled from various original sources); prices, Bureau of Labor Statistics, Department of Labor.

No. 681.—SPRING AND WINTER WHEAT: ACREAGE AND PRODUCTION

[Acreage in thousands and production in thousands of bushels]

Year	Winter wheat				Spring wheat		
	Acreage		Production	Yield per acre (bushels)	Acreage	Production	Yield per acre (bushels)
	Sown	Har-vested					
1911	32,648	29,162	430,656	14.8	20,381	190,682	9.4
1912	33,229	26,671	369,919	15.1	19,243	330,848	17.2
1913	33,274	31,699	523,561	16.5	18,485	239,819	15.0
1914	37,158	36,008	684,990	19.0	17,533	200,027	11.8
1915	42,431	41,308	673,947	16.3	19,161	351,854	18.4
1916	39,245	34,709	480,553	13.8	17,697	155,765	8.8
1917	38,369	27,257	412,901	15.1	17,832	223,754	12.5
1918	43,126	37,130	565,999	15.2	22,051	356,339	16.2
1919	61,483	50,494	700,377	15.1	25,209	267,002	8.2
1920	44,801	40,010	610,597	15.3	21,127	222,430	10.5
1921	45,625	43,414	600,316	13.8	20,282	214,689	10.6
1922	47,930	42,358	586,878	13.8	19,959	280,720	14.1
1923	46,001	39,608	671,777	14.5	20,151	225,017	11.2
1924	38,910	36,050	692,259	16.6	16,879	272,169	16.1
1925	39,951	31,346	402,070	12.8	21,021	274,095	13.1
1926	39,887	36,987	627,433	17.0	19,372	203,948	10.5
1927	43,373	37,728	562,747	14.7	21,061	325,027	15.6
1928 (preliminary)	47,280	36,179	678,964	16.0	21,545	323,785	15.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 682.—WHEAT: SUPPLY AND DISTRIBUTION AND PER CAPITA DISAPPEARANCE FOR FOOD, ETC., IN CONTINENTAL UNITED STATES

[All quantities, except per capita, in thousands of bushels]

Item	Year beginning July 1—						
	1890-1908, average	1909-1913, average	1914-1920, average	1921-1925, average	1926	1927	1928
Supply, total	781,029	782,287	951,935	923,806	952,874	1,026,003	1,060,679
On hand July 1:							
Stocks on farms	40,423	28,872	32,031	37,050	20,973	27,215	23,720
Stocks in country mills and elevators ¹	27,000	20,000	20,907	30,991	29,501	21,770	19,277
Commercial visible (Bradstreet's)	31,817	24,168	19,200	25,519	16,484	25,516	42,208
Stocks of flour (in terms of wheat) ¹	7,700	8,305	8,606	8,676	9,757	9,076	9,019
In merchant mills and elevators					24,505	37,038	31,920
In transit					7,350	11,274	10,893
New crop	677,027	600,108	844,005	804,148	831,040	878,374	902,191
Imports (flour included)	758	1,834	19,806	17,473	13,264	15,734	21,442
Accounted-for distribution, total	831,408	880,519	487,581	394,575	448,698	441,026	510,872
Exports (flour included)	166,435	107,103	257,030	207,237	219,160	206,260	163,670
Reexports	399	195	562	221	98	53	55
Shipments (flour included) to Alaska, Hawaii, and Porto Rico	2,034	2,540	2,540	2,830	3,082	2,690	72
Estimated seed requirements	70,444	72,326	88,812	86,840	88,919	94,078	88,457
Carry over at end of year:							
On farms	40,654	32,485	36,127	29,013	27,215	23,720	44,741
In country mills and elevators ¹	25,400	31,600	26,440	31,457	21,770	19,277	40,136
Commercial visible (Bradstreet's)	28,608	25,326	18,265	20,822	25,516	42,208	95,684
Flour (in terms of wheat)	7,374	8,935	8,200	9,240	9,076	9,019	13,541
In merchant mills and elevators					37,038	31,920	48,279
In transit					11,274	10,893	16,227
Disappearance for food, feed, and loss	480,221	501,768	514,354	520,291	509,720	584,977	549,807
Per capita (bushels)	5.6	5.3	5.0	4.7	4.3	4.9	4.6

¹ From Chicago Daily Trade Bulletin. Stocks in country mills and elevators, from 1899-1918, are stocks in second hands less visible supply on July 1, as given by Chicago Daily Trade Bulletin.

² 7-year average.

Source: Compiled from various sources by the Bureau of Agricultural Economics, Department of Agriculture.

No. 683.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES: AS REPORTED ON SATURDAY NEAREST THE FIRST OF EACH MONTH

[All figures in thousands of bushels]

WHEAT¹

Year beginning July 1—	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1909-1913, avg.	24,168	28,569	37,458	48,202	50,838	63,008	60,229	62,228	68,419	53,802	43,857	34,183
1914-1920, avg.	19,200	24,822	38,946	55,865	69,909	70,250	75,530	69,586	60,014	40,476	35,591	27,728
1921-1925, avg.	25,519	34,513	52,612	64,541	66,789	67,445	68,605	62,988	59,740	52,365	43,075	35,777
1924	38,597	46,193	79,700	92,353	100,712	108,997	99,121	84,470	70,437	62,760	49,529	38,328
1925	29,286	34,041	39,800	50,639	52,394	52,686	59,244	62,730	48,105	38,173	33,798	23,170
1926	10,480	34,675	72,884	84,724	81,175	78,010	79,813	62,317	61,271	53,827	42,402	31,115
1927	25,519	37,533	71,908	88,765	98,075	100,013	94,336	83,720	77,049	73,220	66,184	52,400
1928	42,208	60,762	96,798	118,327	143,003	145,234	146,813	133,750	130,034	128,339	110,559	90,966

CORN²

Year beginning Nov. 1—	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1909-1913, avg.	8,352	2,088	7,342	10,406	15,165	16,233	8,358	4,656	7,980	4,583	3,560	5,444
1914-1920, avg.	3,763	2,953	6,909	12,521	17,069	18,049	13,827	9,050	8,509	6,140	4,048	5,245
1921-1925, avg.	7,679	7,861	17,054	23,496	31,478	34,183	26,334	17,732	16,882	11,558	8,053	8,853
1924	8,097	7,593	18,573	27,571	32,292	32,727	23,379	17,140	13,094	6,003	6,524	5,470
1925	1,790	2,491	17,891	28,092	33,878	36,485	32,408	25,453	30,833	24,030	10,771	17,881
1926	22,258	28,999	34,712	38,792	45,103	47,244	36,621	29,061	34,427	30,205	22,812	23,687
1927	20,574	19,216	27,034	31,849	40,998	43,865	33,556	25,490	10,068	13,267	9,516	6,791
1928	2,030	0,419	17,146	26,042	33,302	34,150	25,687	14,259	13,054	8,751	5,417	

¹ Bradstreet's.

² Chicago Board of Trade.

No. 683.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES: AS REPORTED ON SATURDAY NEAREST THE FIRST OF EACH MONTH—Continued

OATS 2

Year beginning Aug. 1—	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1900-1913, avg.—	7, 185	13, 400	18, 525	19, 024	17, 969	10, 286	14, 857	14, 521	13, 869	10, 748	7, 800	7, 894
1914-1920, avg.—	7, 879	14, 984	23, 791	26, 613	28, 498	28, 600	26, 513	25, 203	23, 404	20, 717	17, 141	13, 698
1921-1925, avg.—	21, 818	84, 206	47, 372	51, 211	50, 468	51, 075	50, 611	49, 093	43, 706	36, 706	28, 498	25, 539
1924.....	3, 086	11, 403	52, 715	66, 564	67, 265	72, 128	73, 570	72, 386	61, 104	48, 082	35, 331	33, 263
1925.....	20, 298	60, 709	65, 818	64, 926	64, 251	63, 187	63, 070	63, 074	52, 023	47, 025	38, 976	37, 900
1926.....	33, 772	43, 671	48, 460	48, 097	48, 283	44, 927	45, 422	43, 454	37, 145	29, 573	20, 502	17, 990
1927.....	12, 001	21, 501	24, 931	23, 857	23, 252	21, 907	20, 350	19, 791	15, 746	11, 108	7, 080	3, 225
1928.....	2, 377	13, 370	15, 193	14, 472	13, 295	13, 968	13, 611	14, 898	12, 609	10, 276	9, 280	7, 430

1 Chicago Board of Trade.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 684.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF WHEAT, CORN, RICE, TOBACCO, AND FLAXSEED

Yearly average or year ended June 30—	Exports ¹				Year ended June 30—	Exports ¹			
	Wheat (grain)	Wheat flour	Wheat and flour ²	Imports—wheat and flour ²		Wheat (grain)	Wheat flour	Wheat and flour ²	Imports—wheat and flour ²
	1,000 bushels	1,000 barrels	1,000 bushels	1,000 bushels		1,000 bushels	1,000 barrels	1,000 bushels	1,000 bushels
1852-1856.....	4, 715	2, 892	19, 173	4, 178	1914.....	92, 394	11, 821	145, 590	2, 384
1857-1861.....	12, 378	3, 818	28, 970	2, 017	1915.....	259, 043	16, 183	332, 465	715
1862-1866.....	22, 530	3, 531	40, 184	—	1916.....	173, 274	15, 521	243, 117	7, 188
1867-1871.....	22, 107	2, 685	35, 032	1, 818	1917.....	140, 831	11, 043	203, 574	24, 925
1872-1876.....	48, 958	3, 410	66, 037	1, 680	1918.....	94, 119	21, 880	132, 579	31, 215
1877-1881.....	107, 781	5, 876	133, 293	906	1919.....	175, 683	24, 182	287, 402	11, 289
1882-1886.....	82, 894	3, 820	121, 075	617	1920.....	122, 431	21, 062	210, 865	5, 496
1887-1891.....	64, 730	11, 287	115, 829	852	1921.....	293, 268	16, 180	366, 077	57, 398
1892-1896.....	94, 914	15, 713	170, 624	1, 634	1922.....	208, 321	15, 797	279, 407	17, 251
1897-1901.....	120, 247	17, 151	197, 427	1, 280	1923.....	154, 951	14, 883	221, 923	19, 945
1902-1906.....	70, 527	15, 444	140, 026	993	1924.....	78, 793	17, 253	156, 430	28, 045
1907-1911.....	62, 855	11, 941	116, 138	706	1925.....	195, 490	13, 896	258, 023	6, 199
1912-1916.....	120, 415	13, 185	188, 748	2, 096	1926.....	63, 189	9, 542	108, 036	15, 080
1917-1921.....	155, 646	10, 167	241, 809	26, 064	1927.....	150, 250	13, 385	219, 160	13, 263
1922-1926.....	140, 120	14, 274	204, 764	17, 424	1928.....	145, 990	12, 921	200, 728	15, 733

Yearly average or year ended June 30—	Corn ³		Rice ⁴		Flaxseed		Unmanufactured tobacco	
	Exports ¹	Imports	Exports ¹	Imports	Exports ¹	Imports	Exports ¹	Imports
	1,000 bushels	1,000 bushels	1,000 pounds	1,000 pounds	1,000 bushels	1,000 bushels	1,000 pounds	1,000 pounds
1852-1856.....	7, 123	—	50, 515	—	11	1, 133	140, 184	5, 044
1857-1861.....	6, 558	—	65, 732	—	7	—	167, 711	5, 154
1862-1866.....	12, 000	—	2, 258	70, 893	16	1, 037	140, 208	—
1867-1871.....	9, 924	75	1, 857	52, 954	(^b)	—	194, 754	5, 631
1872-1876.....	38, 561	57	391	72, 630	(^b)	2, 915	241, 848	8, 886
1877-1881.....	88, 190	42	602	62, 616	(^b)	1, 224	206, 315	7, 871
1882-1886.....	49, 992	24	561	90, 871	(^b)	1, 541	237, 942	13, 672
1887-1891.....	54, 606	15	3, 210	150, 850	7 06	1, 833	259, 248	21, 640
1892-1896.....	63, 980	8	10, 278	160, 808	1, 516	1, 181	281, 746	25, 871
1897-1901.....	192, 531	4	18, 407	165, 232	2, 660	404	304, 402	16, 968
1902-1906.....	74, 615	20	45, 978	150, 914	2, 950	234	325, 539	33, 805
1907-1911.....	56, 568	92	27, 195	215, 302	2, 312	3, 249	334, 396	42, 516
1912-1916.....	38, 774	5, 086	60, 043	250, 775	07	9, 227	408, 006	55, 556
1917-1921.....	45, 296	4, 960	209, 021	262, 514	13	14, 750	490, 924	74, 595
1922-1926.....	66, 759	1, 149	300, 030	74, 178	(^c)	18, 198	490, 076	68, 470
1922.....	179, 490	125	741, 509	73, 020	2	13, 632	463, 389	65, 225
1923.....	96, 596	138	370, 070	69, 536	(^d)	25, 006	454, 364	75, 786
1924.....	23, 135	228	227, 757	38, 210	(^e)	10, 577	597, 630	54, 407
1925.....	9, 791	4, 617	112, 037	57, 677	(^f)	13, 419	430, 702	76, 970
1926.....	24, 781	635	48, 175	131, 848	(^g)	19, 364	537, 230	99, 973
1927.....	19, 819	1, 098	304, 358	71, 053	(^h)	24, 224	516, 401	92, 938
1928.....	19, 410	5, 463	308, 808	44, 102	(ⁱ)	18, 112	489, 932	81, 105

¹ Excluding reexports.

² Flour included in terms of grain.

³ Including meal in terms of grain.

⁴ Includes flour, meal, etc.

⁵ Less than 500 bushels.

⁶ Not separately reported.

⁷ 3-year average.

Source: Bureau of Foreign and Domestic Commerce; for data covering additional individual years, see Statistical Abstract, 1924, Table 577.

No. 685.—YEARLY WEIGHTED AVERAGE FARM PRICES OF SPECIFIED CROPS:
BY CROP YEARS, FOR THE UNITED STATES AS A WHOLE

NOTE.—Prices for hays and cottonseed, are in dollars per ton; cotton and peanuts in cents per pound; timothy, clover, and alfalfa seeds in dollars per bushel; and for all other products, in cents per bushel. Crop year ends in May for apples; in July for oats, barley, cotton, cottensed, and timothy seed; in August for flaxseed, buckwheat, clover seed; in October for corn and peanuts; and in June for other crops named. For index numbers of prices of farm products by great groups see Table 509

Crop year ending—	Wheat	Corn	Oats	Barley	Rye	Buck- wheat	Flaxseed
1910.....	100.7	68.2	43.2	55.0	74.6	72.1	148.6
1911.....	91.7	53.5	36.2	60.8	73.4	67.5	220.8
1912.....	88.3	68.8	46.1	81.9	81.0	78.4	166.8
1913.....	83.3	56.7	84.9	52.7	68.7	68.3	127.4
1914.....	79.3	71.8	38.9	53.0	62.9	76.6	123.9
1915.....	90.4	71.4	44.9	54.8	83.3	81.1	131.6
1916.....	98.2	69.6	39.3	53.8	85.0	81.5	109.6
1917.....	144.4	119.0	51.4	83.4	113.0	126.5	233.8
1918.....	205.8	148.1	72.1	122.5	176.4	167.1	315.0
1919.....	206.3	153.1	70.1	100.0	162.1	164.7	374.2
1920.....	218.6	151.5	80.3	124.9	146.9	150.2	427.0
1921.....	182.9	62.1	51.1	70.7	148.2	126.8	217.6
1922.....	104.4	54.3	33.4	48.4	80.9	89.1	171.0
1923.....	98.0	76.7	30.0	51.8	68.1	80.9	209.5
1924.....	92.4	84.0	42.6	56.8	69.4	96.3	212.3
1925.....	127.8	105.8	48.3	77.4	96.3	108.6	220.7
1926.....	145.9	71.0	39.0	59.2	83.1	87.5	224.6
1927.....	128.8	73.7	41.1	59.4	84.2	87.0	197.4
1928.....	120.2	85.8	49.6	72.0	86.8	87.6	180.1

Crop year ending—	Potatoes	Sweet potatoes	Apples	Cotton	Cotton- seed	Peanuts	All hay (loose)
1910.....	57.9	(¹)	(¹)	13.6	(¹)	(¹)	10.58
1911.....	61.3	78.7	88.1	14.0	25.82	4.6	11.54
1912.....	90.6	92.2	76.0	0.6	17.08	4.4	14.30
1913.....	55.6	85.6	66.8	11.5	10.10	4.6	11.17
1914.....	70.6	84.0	93.0	12.5	22.39	4.6	11.49
1915.....	58.0	84.6	62.7	7.4	16.50	4.4	10.92
1916.....	76.8	75.4	71.0	11.2	32.65	4.3	10.34
1917.....	166.3	92.9	60.7	17.3	40.13	4.8	11.21
1918.....	122.5	122.3	113.0	27.1	60.15	7.1	16.60
1919.....	125.6	150.0	137.5	28.8	65.23	6.5	19.88
1920.....	223.8	161.7	186.1	35.2	67.27	9.2	21.34
1921.....	131.5	144.8	133.8	15.8	22.95	4.7	16.51
1922.....	121.3	110.9	195.2	17.0	20.72	3.7	11.83
1923.....	73.9	97.4	109.4	22.8	34.70	5.5	11.08
1924.....	94.2	121.7	117.4	28.7	42.23	6.5	12.93
1925.....	76.5	152.4	122.1	22.9	34.08	5.7	12.70
1926.....	183.5	165.0	127.0	19.0	30.82	4.7	12.83
1927.....	140.8	120.3	88.3	12.5	21.63	4.8	13.23
1928.....	103.4	106.5	141.7	20.2	35.93	5.0	16.57

Crop year ending—	Prairie hay	Timothy hay	Clover hay	Alfalfa hay	Timothy seed	Clover seed	Alfalfa seed
1915.....	7.69	13.87	12.83	0.12	2.40	8.41	7.52
1916.....	7.13	13.09	11.20	0.30	2.89	9.98	9.16
1917.....	8.61	12.83	11.33	12.76	2.42	6.54	8.70
1918.....	13.31	18.07	17.21	18.42	3.50	14.48	9.66
1919.....	16.03	22.60	20.03	20.35	4.19	21.01	10.40
1920.....	16.78	25.13	23.60	22.70	4.08	23.34	16.97
1921.....	10.94	20.64	10.48	15.00	3.20	11.81	11.74
1922.....	7.02	14.82	14.15	10.58	2.64	11.14	8.22
1923.....	8.79	14.18	13.03	12.82	2.60	10.71	9.36
1924.....	8.92	16.53	15.14	13.54	3.10	12.38	10.63
1925.....	8.70	14.30	13.43	13.81	3.11	15.35	10.62
1926.....	9.36	15.40	14.52	13.52	3.33	15.87	9.99
1927.....	10.87	15.42	15.06	13.57	2.61	10.00	9.45
1928.....	7.64	11.64	12.15	11.90	1.77	16.12	9.88

¹ Not available.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 686.—GRAIN PRICES: WEIGHTED AVERAGE MARKET PRICE PER BUSHEL OF REPORTED CASH SALES

Yearly average or crop year ending—	Wheat, July-June			Corn, Nov.-Oct.		Oats, Aug.-July		Barley, Aug.-July	Rye, July-June	Flaxseed, Sept.-Aug.†	Kafir, Nov.-Oct.†
	No. 1, Northern, Minneapolis	No. 2, Hard Winter, Kansas City	No. 2, Red Winter, Chicago	No. 3, Yellow, Chicago	No. 3, Yellow, Kansas City	No. 3, White, Chicago	No. 3, White, Minneapolis	No. 2, Minneapolis	No. 2, Chicago	No. 1, Minneapolis	No. 2, Kansas City
1910-1914.....	\$0.99	\$0.95	\$0.99	\$0.61	\$0.60	\$0.40	\$0.38	\$0.64	\$0.76	\$1.92	\$1.34
1915-1921.....	1.90	1.85	1.83	1.15	1.12	.60	.68	1.02	1.52	3.03	2.17
1922-1926.....	1.30	1.27	1.33	.70	.78	.42	.38	.65	.94	2.47	1.52
1913.....	.87	.88	1.03	.53	.55	.33	.33	.48	.65	1.38	1.06
1914.....	.88	.84	.88	.70	.67	.40	.38	.61	.64	1.62	1.74
1915.....	1.20	1.05	1.08	.70	.72	.50	.48	.65	1.05	1.70	1.17
1916.....	1.09	1.19	1.13	.79	.69	.41	.38	.63	.99	2.04	1.19
1917.....	1.70	1.71	1.08	1.11	1.06	.54	.62	1.17	1.54	2.91	3.24
1918.....	2.20	2.52	2.25	1.63	1.63	.71	.71	1.40	2.11	3.78	3.28
1919.....	2.25	2.19	2.22	1.62	1.56	.70	.66	1.00	1.61	4.19	2.86
1920.....	2.72	2.42	2.24	1.50	1.60	.80	.80	1.43	1.70	4.52	2.41
1921.....	2.07	1.83	2.23	.62	.50	.61	.48	.74	1.62	2.08	1.46
1922.....	1.43	1.20	1.25	.55	.54	.35	.32	.65	.97	2.19	1.36
1923.....	1.20	1.13	1.14	.73	.74	.41	.36	.68	.81	2.68	1.63
1924.....	1.17	1.06	1.02	.88	.78	.45	.40	.63	.70	2.44	1.51
1925.....	1.50	1.35	1.58	1.06	1.12	.50	.47	.84	1.25	2.63	1.81
1926.....	1.61	1.63	1.64	.75	.74	.41	.37	.67	.96	2.52	1.80
1927.....	1.46	1.35	1.38	.87	.88	.43	.42	.71	1.01	2.24	1.20
1928.....	1.36	1.35	1.40	1.01	.85	.55	.50	.84	1.06	2.20	1.46

† Average closing price through December, 1920.

‡ Price per 100 pounds.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 687.—GRAIN RECEIVED AT SIX ATLANTIC PORTS

NOTE.—Data are for calendar years. Total receipts by ports include flour, meal, and malt reduced to grain equivalent. Receipts at New York, Boston, Philadelphia, and Baltimore include shipments from the West to foreign countries through these ports on through bills of lading. Receipts at Baltimore include flour ground by city millers, and therefore duplicate an equivalent quantity of wheat received in grain

	1910	1915	1920	1925	1926	1927	1928
TOTALS BY PORTS							
New York, total.....	1,000 bu. 63,320	1,000 bu. 220,067	1,000 bu. 143,634	1,000 bu. 180,162	1,000 bu. 173,062	1,000 bu. 166,224	1,000 bu. 166,692
By canal via river.....	10,108	2,504	4,139	32,707	28,899	20,068	39,138
Coastwise and river.....	410	7,120	5,966	0	40	631	2
By rail.....	82,742	211,044	133,429	166,886	144,123	135,925	127,552
Boston.....	22,402	28,007	13,009	11,011	13,264	13,694	14,430
Philadelphia.....	28,736	69,772	45,148	55,933	34,006	34,154	25,284
Baltimore.....	32,272	105,850	74,200	35,552	33,775	35,450	35,450
New Orleans.....	16,213	56,774	72,070	32,039	25,036	25,875	23,872
Montreal, Canada.....	44,178	68,185	67,044	170,959	170,242	219,173	247,377
COMMODITY							
Flour.....1,000 hbbs..	16,841	23,279	17,016	23,801	23,374	22,923	24,436
Corn meal.....do.....	1,639	941	77	75	154	237	112
Wheat.....1,000 bu..	62,044	200,719	220,200	238,631	222,186	262,630	270,513
Corn.....do.....	42,103	45,434	17,910	13,220	12,191	9,101	18,171
Oats.....do.....	47,181	104,534	34,620	70,461	41,707	25,115	35,416
Barley.....do.....	3,929	10,105	10,000	45,191	40,335	54,136	65,331
Rye.....do.....	934	13,923	51,742	23,709	17,707	39,593	18,655
Total grain.....do.....	157,181	440,829	341,183	397,162	344,136	390,923	408,586
Flour and meal.....do.....	79,040	108,523	70,878	107,404	105,798	103,653	110,413
Grand total.....do.....	237,122	549,351	418,061	504,556	449,894	494,576	518,999

† Grain equivalent.

Source: New York Produce Exchange.

No. 688.—GRAIN RECEIPTS AT PRIMARY MARKETS, BY CROP YEARS

[All figures in thousands of bushels]

Yearly average or year ended—	Total	Chi- ago	Mil- wau- kee	Minna- polis	Du- luth	St. Louis	Toledo	De- troit	Kan- sas City	Peoria	Omaha	Indian- apolis
WHEAT												
June 30:												
1910-1914	279,257	87,111	8,750	102,067	52,048	24,713	5,203	1,821	35,756	1,525	15,802	1,211
1915-1921	385,102	60,469	9,555	110,000	51,044	38,228	6,628	2,121	67,515	2,232	22,521	4,000
1922-1926	388,647	49,959	5,903	112,209	66,874	37,295	10,801	1,630	74,144	2,601	22,541	4,085
1923	420,166	51,660	3,081	133,830	65,541	40,605	10,472	1,707	77,684	4,355	25,356	5,185
1924	333,888	49,804	2,307	105,958	38,201	33,119	15,401	1,884	60,516	2,221	17,896	6,081
1925	478,555	71,009	8,934	104,037	111,194	44,047	12,434	1,915	80,444	2,005	20,120	4,336
1926	325,490	25,776	4,919	111,877	70,210	29,697	8,945	1,000	52,502	1,769	15,023	3,766
1927	359,435	39,062	6,867	89,148	53,061	33,342	14,715	2,677	92,740	1,314	21,436	5,023
1928	462,709	45,851	5,062	125,615	118,855	34,107	14,171	2,281	77,775	1,330	31,948	5,048
CORN												
Oct. 31:												
1910-1914	214,360	105,459	10,251	7,581	702	22,316	4,383	2,057	10,052	16,710	-----	-----
1915-1921	240,387	101,633	14,738	10,043	-----	22,286	3,025	3,043	18,263	25,349	26,731	19,460
1922-1926	269,016	115,372	14,538	13,213	5,061	30,749	3,774	1,423	18,436	22,221	22,008	18,550
1923	252,124	115,900	15,280	7,531	088	29,856	3,149	1,057	15,409	21,167	22,730	18,317
1924	275,082	101,108	17,033	18,430	9,570	39,215	4,000	1,083	21,136	17,730	27,495	17,536
1925	202,225	80,606	7,180	14,310	705	23,116	2,972	410	21,448	20,091	13,138	17,199
1926	226,484	92,283	7,519	9,867	142	27,751	4,065	610	18,034	27,139	20,396	18,078
1927	220,778	91,869	11,000	11,261	177	21,005	3,940	1,489	12,453	20,008	21,836	19,650
1928	293,627	104,975	14,471	9,878	505	35,261	1,480	1,018	40,807	25,056	32,859	21,817
OATS												
July 31:												
1910-1914	194,643	109,873	13,978	17,320	5,983	21,439	3,507	3,131	7,298	10,252	-----	-----
1915-1921	277,420	121,604	30,007	31,760	8,963	27,613	5,583	4,390	10,295	12,000	15,837	14,234
1922-1926	226,219	71,431	19,640	35,224	12,494	31,186	5,800	2,370	9,334	12,833	14,494	10,841
1923	222,080	84,451	21,057	24,870	1,372	32,220	3,780	3,444	10,568	15,555	14,772	10,585
1924	220,631	69,516	10,729	29,069	5,008	35,001	4,248	3,083	11,701	13,419	18,144	11,053
1925	262,501	74,690	20,233	53,533	23,165	34,211	8,848	1,942	8,198	11,131	15,918	10,632
1926	207,817	50,669	13,970	30,342	26,798	28,549	7,814	1,127	11,443	9,860	12,972	8,283
1927	143,960	49,420	14,826	18,205	2,360	21,076	8,781	1,352	3,270	8,054	6,628	9,088
1928	148,485	53,591	10,411	27,138	1,145	10,351	4,507	1,380	4,226	9,195	8,844	8,688

Source: Bureau of Agricultural Economics, Department of Agriculture. Compiled from Chicago Daily Trade Bulletin and the annual reports of the Chicago Board of Trade.

No. 689.—FREIGHT RATES ON WHEAT FROM CHICAGO TO NEW YORK

NOTE.—In cents per bushel. For earlier years see Statistical Abstract, 1925, p. 679

Calendar year	By lake and canal	By lake and rail	By all rail ¹	Calendar year	By lake and canal	By lake and rail	By all rail ¹
1891	5.90	8.53	15.00	1910	5.13	6.57	9.00
1892	5.01	7.55	14.23	1911	5.35	5.23	9.00
1893	6.33	8.44	14.70	1912	5.57	6.17	9.00
1894	4.44	7.00	12.88	1913	5.74	7.01	9.00
1895	4.11	6.95	12.17	1914	5.31	6.54	9.60
1896	5.38	7.32	12.00	1915	6.08	7.48	10.08
1897	4.35	7.37	12.32	1916	7.05	9.55	10.08
1898	4.42	4.96	11.55	1917	8.72	9.09	10.08
1899	5.05	6.63	11.13	1918	12.55	12.27	12.90
1900	4.42	5.05	9.88	1919	10.04	11.60	14.70
1901	5.14	5.57	9.92	1920	14.70	15.32	16.68
1902	5.25	5.78	10.80	1921	10.29	10.91	20.10
1903	5.44	6.17	11.33	1922	11.63	11.93	19.65
1904	4.71	5.02	11.11	1923	10.94	12.43	18.00
1905	5.51	6.44	10.20	1924	8.07	10.92	18.00
1906	5.94	6.48	10.50	1925	7.24	10.89	18.00
1907	6.63	6.93	11.30	1926	8.08	12.04	18.00
1908	6.00	6.33	11.70	1927	7.16	11.14	18.00
1909	5.35	6.88	11.70	1928	8.40	11.30	18.00

¹ Rates beginning with 1900 represent wheat for domestic consumption, lower rates applying on grain for export.

Source: New York Produce Exchange.

No. 690.—FREIGHT RATES ON WHEAT FROM BUFFALO TO NEW YORK BY CANAL

Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate
	<i>Cents per bushel</i>		<i>Cents per bushel</i>		<i>Cents per bushel</i>		<i>Cents per bushel</i>
1891	3.5	1901	3.5	1911	4.3	1921	7.4
1892	3.5	1902	3.8	1912	4.4	1922	10.4
1893	4.0	1903	4.0	1913	4.0	1923	7.1
1894	3.2	1904	3.2	1914	4.3	1924	6.8
1895	2.2	1905	3.9	1915	4.6	1925	5.0
1896	3.7	1906	4.2	1916	5.0	1926	5.1
1897	2.8	1907	5.0	1917	4.4	1927	5.0
1898	2.8	1908	5.0	1918	9.3	1928	6.0
1899	3.0	1909	3.9	1919	8.2		
1900	2.5	1910	4.0	1920	10.3		

Source: Secretary of the Buffalo Chamber of Commerce.

No. 691.—FREIGHT RATES ON GRAIN, FLOUR, AND PROVISIONS, CHICAGO TO EUROPEAN PORTS

NOTE.—Rates cover all-rail transportation to New York and steamer to foreign ports. Rail rates on grain and flour are reshipping rates. Steamer rates are berth rates. Owing to the war complete statements of freight averages for 1914 to 1916 are impossible and for 1917, 1918, and 1919 no figures are available

[Rates in cents per 100 pounds]

Destination	1900	1905	1910	1913	1921	1922	1923	1924	1925	1926	1927	1928
Grain:												
Liverpool ¹	20.49	19.10	18.15	23.30	48.17	34.06	32.65	34.87	33.8	37.17	33.80	32.32
Glasgow ¹	30.08	20.00	15.91	22.92	(²)	34.28	32.50	34.30	35.3	30.80	30.42	33.90
London ¹	31.10	20.23	17.76	24.33	(²)	33.07	31.33	33.95	33.4	30.66	34.31	31.74
Antwerp			18.05	24.62	45.02	35.85	33.27	34.50	33.9	35.83	35.86	32.88
Hamburg				26.10	45.70	35.74	32.80	35.22	35.0	37.15	33.80	33.64
Amsterdam				25.07	49.53	38.72				47.50	39.50	38.91
Rotterdam				25.07	48.04	36.30	33.69	35.50	35.5	37.20	36.18	33.64
Sacked flour:												
Liverpool	27.00	22.40	19.75	30.00	58.63	41.92	30.82	42.80	43.8	46.68	45.01	43.17
Glasgow	31.50	22.50	21.50	32.00	(²)	41.00	41.39	45.11	45.0	47.93	47.30	45.17
London	35.01	23.64	22.00	30.50	(²)	41.00	30.80	42.73	43.9	45.06	45.04	43.17
Antwerp				35.00	55.27	42.33	40.73	43.75	44.3	45.31	48.05	45.71
Hamburg				37.00	50.15	42.17	40.40	43.58	44.1	45.51	46.80	45.79
Amsterdam				30.00	55.74	42.65	41.52	44.13	44.0	46.10	47.70	46.50
Rotterdam				29.00	55.12	42.50	41.28	44.13	44.0	44.34	47.81	45.71
Copenhagen				40.00	64.01	49.42	46.80	48.94	50.4	51.15	55.32	53.50
Stockholm				43.00		50.70	48.81	52.25	53.5	54.42	57.32	55.00
Provisions:												
Liverpool	48.84	38.40	45.38	51.00	137.13	113.50	94.10	104.83	106.5	106.50	116.23	117.75
Glasgow	55.31	43.23	46.88	55.31	(²)	113.50	94.10	104.83	106.5	106.50	116.33	117.75
London	55.87	40.88	47.02	51.00	(²)	113.50	94.10	104.83	106.5	106.50	116.33	117.75
Antwerp	51.00	43.70	49.44	55.22	104.01	84.80	82.94	87.75	86.5	87.19	89.00	91.50
Hamburg	50.00	45.75	50.00	55.33	104.87	84.36	84.05	91.50	91.5	91.50	110.50	95.87
Amsterdam	51.00	45.42	45.00	54.00	104.25	84.80	82.54	87.75	86.5	86.72	89.00	91.50
Rotterdam	51.00	44.53	47.00	53.00	104.25	84.80	83.00	87.75	86.5	86.72	89.00	91.50
Copenhagen	55.31	48.00	55.31	69.43	113.00	90.75	96.50	100.87	96.5	100.02	109.00	101.50
Stockholm	64.50	51.47	55.72	73.14		98.37	94.00	102.00	104.0	104.27	109.00	104.24
Bordeaux	64.12	51.45	67.50	71.25	105.10	101.80	96.50	105.45	106.5	106.50	110.75	109.88
Havre				69.38	104.20	101.80	96.50	105.45	106.5	106.50	110.75	109.88

¹ Berth rates to British ports beginning 1922 converted from English money at average exchange rates.

² Rates for Liverpool applied to London and Glasgow.

³ Average for first 18 weeks of 1922.

⁴ Average for first 8 months.

⁵ Average for 11 months; October is not available.

Source: 1900 to 1916, Secretary of the Board of Trade of Chicago; thereafter, compiled in Bureau of Foreign and Domestic Commerce from various sources.

No. 692.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

NOTE.—Data for establishments with products under \$5,000 in value not included for 1925 and 1927. Leaders indicate figures were not secured or not reported separately. For canned vegetables, soups, and fruits quantitative data for 1914 are not strictly comparable with later years. See footnotes

Industry, material, and product	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)		
	Unit	1914	1925	1927	1914	1925	1927
CANNING AND PRESERVING						
All products, total value.....					249,791	652,036
Fruits, vegetables, and soups..					151,960	400,238
Canned vegetables and soups						
Beans.....	Case	18,094	24,080	25,300	92,201	282,891
Corn.....	do.	10,020	22,597	10,255	16,565	55,165
Peas.....	do.	18,828	16,514	13,085	13,923	51,340
Tomatoes.....	do.	16,200	21,807	18,220	15,089	42,887
Asparagus.....	do.	438	1,896	2,177	25,532	42,080
Spinach.....	do.	892	2,045	2,402	2,701	10,487
All other.....	do.	6,706	25,200	25,788	737	5,456
					17,654	74,870
Canned fruits					24,897	102,638
Peaches.....	Case	43,408	10,526	11,305	9,586	38,592
Apples.....	do.	1,615	3,467	2,939	2,302	6,951
Berries.....	do.	11,333	2,120	2,375	3,102	9,080
Pears.....	do.	41,063	3,880	2,954	3,854	20,898
Apricots.....	do.	41,052	2,088	3,090	3,061	7,608
Cherries.....	do.	1,543	1,487	1,220	1,620	7,253
All other.....	do.	1,535	2,425	3,068	1,273	12,226
						17,981
Dried fruits					34,772	72,119
Almonds.....	Pound	568,687	1,054,127	1,012,796	13,939	28,788
Bananas.....	do.	226,044	533,722	435,232	9,004	28,071
Prunes.....	do.	139,092	397,593	438,896	2,916	3,555
Peaches.....	do.	61,907	36,857	38,038	2,880	2,227
Apples.....	do.	54,957	21,121	22,253	3,616	5,434
Apricots.....	do.	39,397	33,039	36,755	2,408	3,144
All other.....	do.	47,190	31,805	41,572		
			1,270	200		189
						80
Dried and dehydrated vegetables						
	do.					
Fish and oysters					33,333	64,410
Canned fish, oysters, etc.						
Salmon.....	Case	1,613	1,550	1,504	22,401	47,463
Sardines.....	do.	5,012	5,163	6,183	8,713	15,380
Shrimps.....	do.	460	736	853	6,239	13,097
Tuna.....	do.	437	1,102	1,256	1,726	3,783
Oysters.....	do.	945	508	447	1,638	8,499
Clams.....	do.	185	348	202	2,077	3,000
All other.....	do.	230	366	586	870	1,075
					738	2,021
Cured fish	Pound	150,863	88,340	91,213	10,932	11,174
						13,320
Pickles, preserves, sauces					60,137	140,102
All other products.....					4,361	23,321
						34,301
FLOUR-MILL INDUSTRY						
Materials used, total cost					762,270	1,126,370
Wheat	Bushel	545,728	530,593	544,054		
Corn.....	do.	180,110	105,355	92,693		
Rye.....	do.	12,814	8,126	6,255		
Buckwheat.....	do.	5,478	2,408	2,701		
Oats.....	do.	50,227	45,818	27,761		
Other grains.....	do.	24,550	15,658	11,985		
					877,680	1,298,015
All products, total value						1,148,760
Wheat flour	Barrel	116,404	114,027	117,673	543,840	904,971
Rye flour.....	do.	1,937	1,561	1,724	7,845	8,023
Buckwheat flour.....	Pound	125,622	47,565	44,559	3,755	1,874
Corn meal.....	Barrel	16,328	8,903	8,378	54,993	43,653
Bran and middlings.....	Ton	4,667	4,474	4,624	104,703	130,711
Feed, screenings, etc.	do.	4,753	3,023	1,930	137,068	114,895
All other.....					25,506	80,887

¹ 24 No. 2 cans.

⁴ 24 No. 2½ cans.

⁸ Weight of bushel:

⁹ 196 pounds.

² A actual number of cases of all sizes.

⁵ 48 No. 1 cans.

Wheat, 60 pounds; corn,

¹⁰ 200 pounds.

³ 24 No. 3 cans.

⁷ 48 No. ½ cans.

56; rye, 50; buckwheat, 48;

¹¹ 2,000 pounds.

oats, 32.

No. 692.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS—Continued

Industry, material, and product	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)			
	Unit	1914	1925	1927	1914	1925	1927
CORN SIRUP (GLUCOSE) AND STARCH							
Materials used, total cost.....					40,208	93,064	90,906
Corn.....	Pound.....	2,488,792			30,208		
All products, total value.....					52,615	132,898	134,461
Cornstarch.....	Pound.....	574,248	854,125	1,012,175	13,785	33,716	32,317
Corn sirup (including all sirup).....	do.....		1,144,858	1,123,791	18,541	41,275	32,519
Corn sugar.....	do.....	174,369	580,370	904,831	3,766	19,505	25,636
Corn oil.....	Gallon.....	8,562	12,705	16,070	3,693	14,093	16,169
Stock feed.....					6,690	17,934	19,346
All other.....					6,140	6,375	8,485
RICE CLEANING AND POLISHING							
Materials used, total cost.....					20,616	46,847	46,481
Rough rice.....	Pound.....	1,036,688	1,438,901	1,915,038			
All products, total value.....					23,039	53,498	54,130
Clean rice.....	Pound.....	674,872	947,787	1,246,042	21,655	51,113	51,828
All other.....					1,384	2,385	2,302
BEET SUGAR							
Materials used, total cost.....					41,309	87,038	79,017
Beets treated.....	Ton ¹¹	5,639	7,423	6,711			
All products, total value.....					62,605	132,339	104,927
Sugar.....	Ton ¹¹	743	1,083	809	58,500	124,413	98,585
Molasses.....	Gallon.....	26,461	24,466	10,097	1,536	2,251	692
Pulp.....	Ton ¹¹		1,550	1,308	2,005	5,630	4,414
All other.....					384	145	1,236
CANE SUGAR							
Materials used, total cost.....					15,958	11,586	5,880
Cane, crushed.....	Ton ¹¹	3,755		975	13,409		
All products, total value.....					21,635	13,435	8,009
Sugar.....	Ton ¹¹	265	116	56	18,948	9,670	5,115
Molasses.....	Gallon.....	20,675	15,171	5,585	2,021	1,751	1,120
Sirup.....	do.....	2,421	5,690	3,885	610	1,768	1,341
All other.....					56	246	433
CANE SUGAR REFINING							
Materials used, total cost.....					204,085	549,895	551,594
Raw sugar.....	Pound.....	7,120,967	11,470,224	10,809,406	247,086		
All products, total value.....					289,399	606,633	597,446
Refined sugar.....	Ton ¹¹	3,333	5,412	5,128	285,496	600,109	593,620
Sirup.....	do.....		8,536	5,537		2,152	1,247
Refiners' blackstrap.....	do.....	35,803	37,373	31,014	3,284	3,859	2,172
All other.....					619	513	407
CHOCOLATE AND COCOA PRODUCTS							
All products, total value.....					35,713	106,642	132,723
Chocolate in cakes.....	Pound.....		374,663	388,210		85,614	95,001
Cocoa.....	do.....		85,269	90,910		11,040	13,708
Cocoa butter.....	do.....		25,293	22,770		6,800	8,555
Other products.....						3,188	5,309

¹¹ 2,000 pounds.

Source: Bureau of the Census, Department of Commerce.

29.—FORESTS AND FOREST PRODUCTS

No. 693.—FORESTS: ESTIMATED ORIGINAL AND PRESENT AREAS, GROWING AREA, ANNUAL GROWTH, AND PRESENT STAND, BY REGIONS

NOTE.—Estimates of present area relate to 1922, of stand of timber and annual growth to 1920 or about that year. These data are necessarily approximate. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay

	Original area (thousand acres)	Present area (thousand acres) ¹					
		Total	Saw timber			Cord-wood (growing)	Non-restocking
			Total	Virgin	Growing		
Total	822, 238	469, 475	251, 916	138, 180	113, 756	136, 359	81, 200
New England ²	38, 908	25, 708	11, 261	2, 000	9, 261	8, 872	5, 575
Middle Atlantic ³	69, 610	28, 678	11, 455	1, 896	9, 559	10, 768	6, 430
Lake ⁴	103, 680	57, 100	24, 030	10, 100	13, 930	12, 570	26, 500
Central ⁵	170, 560	60, 182	31, 901	7, 600	24, 301	26, 011	2, 270
South Atlantic and East Gulf ⁶	170, 240	99, 000	46, 200	18, 300	27, 000	32, 080	20, 720
Lower Mississippi ⁷	128, 400	78, 865	41, 035	20, 835	20, 200	24, 075	13, 755
Rocky Mountain ⁸	69, 720	60, 842	41, 050	37, 746	3, 313	14, 633	5, 250
Pacific Coast ⁹	77, 120	59, 100	44, 975	39, 683	5, 292	7, 425	6, 700

	Stand of saw timber (millions of board feet)			Annual growth in growing area		
	Total	Hard-wood	Softwood	Saw timber (millions of board feet)	Cord-wood (millions of cubic feet)	Total (millions of cubic feet)
Total	2, 214, 898	459, 675	1, 755, 218	9, 672	3, 877	5, 995
New England ²	49, 700	11, 319	38, 480	600	341	474
Middle Atlantic ³	44, 857	29, 504	15, 353	714	342	499
Lake ⁴	110, 110	69, 350	40, 760	988	251	468
Central ⁵	144, 470	133, 152	11, 318	1, 458	587	906
South Atlantic and East Gulf ⁶	220, 577	83, 750	136, 827	2, 428	1, 062	1, 594
Lower Mississippi ⁷	280, 908	132, 600	148, 308	1, 752	600	983
Rocky Mountain ⁸	223, 141	.....	223, 141	461	264	365
Pacific Coast ⁹	1, 141, 031	.....	1, 141, 031	1, 262	430	706

¹ Revised October, 1922.

² Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

³ New York, New Jersey, Pennsylvania, Delaware, and Maryland.

⁴ Michigan, Wisconsin, and Minnesota.

⁵ Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, Missouri, eastern Kansas, and eastern Nebraska.

⁶ Virginia, North Carolina, South Carolina, Georgia, Florida, and Alabama.

⁷ Mississippi, Arkansas, Louisiana, eastern Texas, and eastern Oklahoma.

⁸ Idaho, Montana, Wyoming, Colorado, western South Dakota (Black Hills), New Mexico, Arizona, Utah, and Nevada.

⁹ California, Oregon, and Washington.

Source: Report of the Forest Service, Department of Agriculture, on Senate Resolution 311.

No. 694.—STAND OF SAW TIMBER (ESTIMATED): ABOUT 1920

[Quantities in millions of board feet]

Species	Total	New England	Middle Atlantic	Lake	Central	South Atlantic and East Gulf	Lower Mississippi	Rocky Mountain	Pacific coast
Grand total.....	2,214,893	49,799	44,857	110,110	144,470	320,577	280,908	223,141	1,141,031
Eastern hardwoods, total.....	460,675	11,319	20,504	69,350	133,152	63,750	132,600	-----	-----
Oak.....	157,372	1,510	5,500	8,301	64,712	27,889	49,460	-----	-----
Birch, beech, and maple.....	90,784	3,143	16,897	36,076	20,505	4,522	4,641	-----	-----
Red gum.....	44,222	-----	176	-----	3,723	13,400	26,918	-----	-----
Chestnut.....	19,310	900	3,754	-----	7,989	6,016	-----	-----	
Hickory.....	15,784	40	412	187	6,791	3,183	5,171	-----	-----
Cottonwood and aspen.....	10,824	374	13	999	2,131	1,340	5,967	-----	-----
Ash.....	9,938	215	513	1,893	2,929	1,256	3,182	-----	-----
Yellow poplar.....	9,611	-----	126	7	5,193	4,020	265	-----	-----
Others.....	101,771	77	2,113	21,337	19,174	21,524	36,996	-----	-----
Eastern softwoods, total.....	391,046	38,480	15,353	40,760	11,318	138,827	143,308	-----	-----
Southern yellow pine.....	257,691	-----	-----	-----	365	121,442	135,884	-----	-----
Hemlock.....	30,390	1,804	5,036	18,301	3,910	1,845	-----	-----	-----
Spruce and fir.....	31,572	23,971	2,048	3,772	-----	881	-----	-----	-----
Cypress.....	22,921	-----	-----	-----	-----	11,208	11,713	-----	-----
White and Norway pine.....	23,457	9,816	4,037	8,000	515	1,089	-----	-----	-----
Others.....	24,509	2,889	3,332	10,687	6,523	362	711	-----	-----
Western softwoods, total.....	1,384,172	-----	-----	-----	-----	-----	-----	223,141	1,141,031
Douglas fir.....	595,505	-----	-----	-----	-----	-----	-----	36,034	558,571
Western yellow pine and Jeffrey pine.....	249,578	-----	-----	-----	-----	-----	-----	60,125	183,453
Western hemlock.....	95,092	-----	-----	-----	-----	-----	-----	1,092	94,000
True firs.....	91,349	-----	-----	-----	-----	-----	-----	8,870	82,479
Redwood.....	72,208	-----	-----	-----	-----	-----	-----	-----	72,208
Western white pine and sugar pine.....	57,071	-----	-----	-----	-----	-----	-----	18,586	38,485
Western red cedar.....	53,348	-----	-----	-----	-----	-----	-----	4,348	49,000
Lodgepole pine.....	43,019	-----	-----	-----	-----	-----	-----	39,353	4,566
Spruce.....	39,822	-----	-----	-----	-----	-----	-----	26,467	13,355
Others.....	66,280	-----	-----	-----	-----	-----	-----	21,366	44,914

¹ Includes small amounts of spruce, cypress, and various species of yellow pine.

No. 695.—NATIONAL GOVERNMENT FORESTS: AREA AND STANDING TIMBER

NOTE.—Figures include acreage actually acquired under the Weeks law, see Table 697. There were in 1925, 11,196,923 acres of State forests, including Hawaiian forest reserves, State parks, and other forest lands belonging to States; also 697,447 acres of municipal and county forests and parks

State	Net area (acres) June 30, 1923	Standing timber, Jan. 1, 1926		State	Net area (acres) June 30, 1923	Standing timber, Jan. 1, 1926	
		Saw timber (million board feet)	Cord-wood (1,000 cords)			Saw timber (million board feet)	Cord-wood (1,000 cords)
Total.....	159,480,856	552,339	91,142	Nebraska.....	205,946	-----	-----
Cont'l U. S.	138,121,316	467,579	81,142	Nevada.....	4,079,019	268	6,013
Alabama.....	109,625	124	34	New Hampshire.....	450,890	1,027	-----
Alaska.....	21,347,097	84,760	-----	New Jersey.....	-----	3	(¹)
Arizona.....	11,349,835	14,385	11,427	New Mexico.....	8,515,117	11,187	13,448
Arkansas.....	1,007,235	1,799	-----	New York.....	-----	3	(¹)
California.....	19,007,370	100,599	24,771	North Carolina.....	381,013	421	2,727
Colorado.....	13,273,293	22,167	5,064	Oklahoma.....	61,480	-----	-----
Florida.....	943,130	182	1,288	Oregon.....	13,297,806	138,260	-----
Georgia.....	200,736	338	455	Pennsylvania.....	274,827	17	134
Idaho.....	10,279,539	40,933	6,017	Porto Rico.....	12,443	-----	83
Illinois.....	10,710	19	-----	South Carolina.....	42,111	73	719
Kentucky.....	-----	57	-----	South Dakota.....	1,059,512	2,598	831
Maine.....	33,130	57	-----	Tennessee.....	306,499	597	6,070
Maryland.....	-----	1	0	Utah.....	7,486,042	5,225	6,070
Michigan.....	178,885	0	37	Virginia.....	590,166	320	877
Minnesota.....	1,005,251	850	0,340	Washington.....	9,633,905	77,155	-----
Montana.....	10,106,900	28,405	-----	West Virginia.....	237,495	75	148
-----	-----	-----	-----	Wyoming.....	8,548,275	14,447	2,813

¹ Less than 500 cords.

Source of Tables 694 and 695: Forest Service, Department of Agriculture.

No. 696.—NATIONAL GOVERNMENT FORESTS: AREA OF EACH FOREST, 1928

NOTE.—Not area is gross area less area of alienated lands

State and forest	Net area	State and forest	Net area	State and forest	Net area
Aggregate (161 national forests)	Acres 159,480,856	Idaho—Continued.	Acres	Oregon—Continued.	Acres
Alabama: Alabama	1,109,625	Clearwater	793,178	Deschutes	1,297,900
Alaska	21,347,097	Coeur d'Alene	686,763	Fremont	849,286
Chugach	4,799,803	Idaho	1,734,182	Klamath ¹	8,723
Tongass	16,547,294	Kaniksu ²	192,339	Malheur	1,049,110
Arizona	11,349,835	Lemhi	1,353,792	Mount Hood	1,062,809
Apache ²	677,353	Minidoka ²	820,549	Ochoco	719,273
Cocouino	1,717,697	Nezperce	1,661,107	Santiam	610,923
Coronado ²	1,350,824	Payette	1,308,311	Siskiyou ²	1,033,252
Crook	1,424,546	Pend Oreille	670,424	Siuslaw	533,503
Kalbar	723,411	St. Joe	599,842	Umatilla ²	986,577
Prescott	1,208,270	Salmon	1,708,015	Umpqua	1,014,374
Sitgreaves	680,671	Sawtooth	1,166,729	Wallowa	969,137
Tonto	2,261,792	Selway	1,689,157	Whitman	1,341,830
Tusayan	1,293,271	Targhee ²	1,031,371	Pennsylvania	274,827
Arkansas	1,007,235	Wolsor	665,945	Allegheny	251,568
Onachita	1,672,298	Illinois: Bellevue		Tobyhanna	23,250
Ozark	1,334,937	Savanna	10,710	Porto Rico: Luquillo	12,443
California	10,007,370	Maine: White		South Carolina:	
Angeles	644,130	Mountain ²	33,130	Nantahala ²	42,111
California	823,712	Michigan: Michigan	1,178,885	South Dakota	1,059,512
Cleveland	380,589	Minnesota:	1,005,251	Black Hills ²	477,004
Crater ²	48,218	Chippewa	1,911,785	Custer ²	73,006
Eldorado ²	551,398	Superior	1,813,466	Harney	503,902
Inyo ²	1,525,218	Montana:	16,196,000	Tennessee:	360,409
Klamath ²	1,524,657	Absaroka	850,679	Cherokee ²	197,942
Lassen	945,957	Beartooth	660,544	Pisgah ²	30,741
Modoc	1,492,264	Beaverhead	1,339,292	Unaka ²	137,726
Mono ²	790,546	Bitterroot	1,050,912	Utah	7,486,042
Plumas	1,111,935	Blackfoot	832,880	Ashley ²	930,329
San Bernardino	590,959	Cabinet	834,094	Cache ²	283,801
Santa Barbara	1,775,098	Custer ²	617,060	Dixie ²	796,048
Sequoia	1,329,926	Deerlodge	828,653	Fishlake	1,386,459
Shasta	800,175	Flathead	1,719,112	La Sal ²	504,201
Sierra	1,493,473	Gallatin	680,922	Manti	724,715
Siskiyou ²	329,384	Helena	685,136	Minidoka ²	70,635
Stanislaus	821,438	Jefferson	1,040,850	Powell	1,051,716
Tahoe ²	515,957	Kootenai	1,300,942	Uinta	1,078,782
Trinity	1,410,636	Lewis and Clark	810,731	Wasatch	600,866
Colorado	13,278,233	Lolo	878,469	Virginia	590,160
Arapaho	637,106	Madison	953,922	Humbreys	3,184
Cochetopa	908,787	Missoula	1,246,786	Monongahela ²	10,414
Colorado	830,343	Nebraska: Nebraska	205,946	Natural Bridge	161,117
Grand Mesa	659,584	Nevada:	4,979,010	Shenandoah ²	368,927
Gunnison	911,029	Dixie ²	56,324	Unaka ²	46,524
Hayden ²	66,770	Eldorado ²	300	Washington	9,633,905
Holy Cross	1,124,318	Humboldt	1,322,215	Chelan	1,809,072
La Sal ²	26,631	Inyo ²	60,416	Columbia	759,103
Leadville	929,033	Mono ²	464,502	Colville	747,188
Montezuma	719,412	Nevada:	1,175,128	Kaniksu ²	273,143
Pike	1,087,473	Tahoe ²	16,373	Mount Baker	1,460,611
Rio Grande	1,136,757	Toiyabe	1,883,061	Olympic	1,529,530
Routt	750,334	New Hampshire:		Rainier	1,261,630
San Isabel	600,216	White Mountain ²	450,800	Snoqualmie	619,651
San Juan	1,218,657	New Mexico:	8,515,117	Umatilla ²	313,359
Uncompahgre	750,510	Apache ²	887,080	Wenatchee	800,718
White River	884,873	Carson	1,094,344	West Virginia	237,495
Florida	343,180	Coronado ²	1,24,988	Monongahela ²	177,806
Choctawhatchee	184,449	Dahl	1,743,648	Shenandoah ²	59,039
Ocala	158,731	Gila	1,509,234	Wyoming	8,648,275
Georgia	200,736	Lincoln	1,113,975	Ashley ²	6,460
Cheroloco ²	109,743	Manzano	679,448	Bighorn	1,125,632
Nantahala ²	90,993	Santa Fe	1,270,394	Black Hills ²	146,897
Idaho	19,279,539	North Carolina:	381,018	Caribou ²	6,315
Boise	1,063,313	Cherokee ²	5,013	Hayden ²	328,074
Cache ²	494,201	Nantahala ²	117,094	Medicine Bow	552,275
Caribou ²	704,467	Pisgah ²	258,911	Shoshone	1,619,657
Challis	1,344,764	Oklahoma: Wichita	61,480	Targhee ²	345,670
		Oregon:	13,287,866	Teton	1,881,212
		Cascade	1,026,800	Washakie	868,135
		Crater	814,300	Wyoming	1,608,048

¹ Figures include acreage actually acquired under the Weeks law. (See Table 697.)

² Forest lies in more than one State.

³ Figures include acreage transferred from the Treasury Department.

Source: Forest Service, Department of Agriculture.

No. 697.—NATIONAL GOVERNMENT FORESTS: LANDS ACQUIRED OR APPROVED FOR PURCHASE UNDER WEEKS LAW TO JUNE 30, 1928

State and area	Total area approved for purchase	Area acquired	Area approved but not acquired	State and area	Total area approved for purchase	Area acquired	Area approved but not acquired
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>		<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Grand total	3,125,788	2,809,440	319,848	North Carolina—Continued:			
Alabama: Alabama.....	98,554	91,876	6,678	Pisgah (part).....	252,856	250,844	2,012
Arkansas, total.....	150,773	119,378	31,395	Pennsylvania: Allegheny.....	314,130	251,568	62,562
Ouachita.....	88,707	69,394	19,313	South Carolina: Nantahala (part).....	43,101	42,111	1,080
Ozark.....	67,066	49,984	17,082	Tennessee, total.....	377,165	366,400	10,766
Georgia, total.....	253,707	200,736	52,971	Cherokee (part).....	201,135	197,942	3,193
Cherokee (part).....	159,391	109,743	49,648	Pisgah (part).....	80,741	80,741	
Nantahala (part).....	97,316	90,993	6,323	Unaka (part).....	145,289	137,720	7,569
Maine: White Mountain (part).....	33,481	33,130	351	Virginia, total.....	506,066	586,982	9,084
Michigan: Michigan.....	61,044	52,123	8,921	Monongahela (part).....	10,414	10,414	
Minnesota: Superior.....	45,974	4,093	41,881	Natural Bridge.....	162,637	101,117	62,520
New Hampshire: White Mountain (part).....	481,453	450,890	30,563	Shenandoah (part).....	372,541	369,027	3,514
North Carolina, total.....	375,368	369,649	5,719	Unaka (part).....	51,074	46,524	4,550
Cherokee (part).....	7,421	6,913	2,408	West Virginia, total.....	204,682	237,495	57,387
Nantahala (part).....	115,691	113,792	1,299	Monongahela (part).....	224,572	177,806	46,766
				Shenandoah (part).....	70,310	59,689	10,621

Source: Reports of the National Forest Reservation Commission.

No. 698.—NATIONAL GOVERNMENT FORESTS: OPERATIONS, YEARS ENDED JUNE 30

	1923	1924	1925	1926	1927	1928
Timber sales:						
Number ¹	12,720	13,382	12,340	13,199	12,648	13,791
Quantity ².....M ft. ³	3,146,736	1,333,254	1,771,531	1,489,372	642,098	2,680,910
Timber cut under sales ¹.....do.	1,056,035	1,093,278	1,183,167	1,175,273	1,091,021	1,330,601
Free timber given:						
Number of users ¹	34,032	35,568	32,005	34,797	35,008	38,165
Timber cut.....M ft. ³	96,985	89,367	78,348	188,170	81,363	82,442
Value.....dolls.	97,934	93,900	81,902	197,330	91,340	90,111
Grazing, kinds of stock:⁴						
Cattle ¹.....No.	1,804,274	1,664,087	1,538,942	1,450,858	1,403,191	1,335,903
Goats.....do.	31,379	29,063	19,795	15,666	18,040	17,070
Swine.....do.	1,347	1,560	846	1,085	1,002	1,200
Horses ¹.....do.	94,104	83,184	57,904	57,890	55,029	51,060
Sheep ¹.....do.	6,377,759	6,301,308	6,162,263	6,212,657	6,376,838	6,500,421
Revenue, total.....dolla.	5,335,818	5,251,903	5,000,137	5,155,661	5,166,606	5,441,435
From—						
Timber ⁵.....do.	2,721,876	3,036,366	2,940,393	3,366,685	3,253,243	3,325,079
Water power.....do.	73,174	82,916	95,237	94,718	98,749	101,798
Special uses.....do.	187,501	207,637	229,236	259,820	277,612	285,084
Grazing.....do.	2,341,486	1,915,561	1,728,377	1,421,589	1,530,962	1,713,730
All other.....do.	11,781	9,393	9,844	12,849	6,660	15,144

¹ Data are for calendar year.

² Amount sold is to be cut during a period of years, hence greater than amount cut in any one year.

³ Board measure.

⁴ Number actually grazed under permit.

⁵ Includes receipts from timber and turpentine sales, timber settlement and trespass.

Source: Reports of the Forest Service, Department of Agriculture.

No. 699.—LUMBER: REPORTED PRODUCTION, BY SPECIES, AND AVERAGE VALUE

NOTE.—For 1889 and 1904 custom mills are excluded and beginning with 1910 in each year except 1919 custom mills and mills cutting less than 50,000 board feet are excluded. Custom mills are much less important in recent years than formerly. Apart from the specific exclusions mentioned there are other variations in the completeness of the returns

[Quantities in millions of board feet; average mill values per 1,000 board feet]

Year (calendar)	Production			Average mill value	Year (calendar)	Production			Average mill value
	Total	Hard-wood	Soft-wood			Total	Hard-wood	Soft-wood	
1889	12,756			(1)	1916	39,807	8,475	31,332	\$15.32
1879	18,091			(1)	1917	35,831	6,657	29,174	20.32
1880	23,842			\$11.41	1918	31,890	6,223	25,667	24.79
1890	34,787	8,634	26,153	11.13	1919	34,562	7,145	27,417	30.21
1904	34,135	6,782	27,353	12.76	1920	33,799	6,989	26,810	38.42
1909	44,519	10,613	33,897	15.38	1921	26,961	4,775	22,186	23.47
1910	40,018	8,857	31,161	15.30	1922	31,569	4,925	26,644	26.15
1911	37,003	8,101	28,902	15.05	1923	37,166	6,262	30,904	31.78
1912	39,158	8,632	30,526	15.35	1924	35,931	6,525	29,406	28.57
1913	38,887	8,084	30,303	(1)	1925	38,339	6,623	31,716	23.02
1914	37,346	7,939	29,407	(1)	1926	36,936	6,467	30,469	27.34
1915	37,012	7,527	29,485	14.04	1927	34,532	6,090	28,442	25.80

Species	Production by species									
	1890	1900	1914	1910	1923	1924	1925	1926	1927	
Softwoods:										
Yellow pine	9,659	10,277	14,473	13,063	12,949	12,487	13,236	11,752	10,891	
Douglas fir	1,737	4,850	4,764	5,902	8,223	7,402	8,154	8,807	8,443	
White pine	7,742	3,900	2,633	1,724	1,572	1,531	1,521	1,866	1,344	
Hemlock	3,421	3,051	2,166	1,755	1,873	1,879	2,140	2,159	2,071	
Western yellow pine	945	1,680	1,327	1,755	2,805	2,603	3,127	3,173	2,790	
Spruce	1,448	1,749	1,240	980	758	717	751	647	529	
Cypress	406	956	1,013	656	819	877	905	752	610	
Redwood	360	522	535	410	692	604	511	488	570	
Cedar	233	346	500	332	365	330	372	398	306	
Larch	51	421	359	388	351	306	307	254	288	
White fir		89	113	223	330	310	337	350	290	
Sugar pine	54	97	139	134	228	246	307	306	282	
Balsam fir		109	125	98	19	22	20	13	16	
Lodgepole pine		24	18	16	10	23	25	20	13	
All other softwood	9				4					
Hardwoods:										
Oak	4,438	4,414	3,279	2,708	2,028	2,077	2,129	2,191	2,013	
Maple	633	1,107	910	857	842	857	921	820	774	
Red gum	285	707	675	851	1,016	1,071	1,101	1,133	1,101	
Yellow poplar	1,115	858	519	329	353	351	376	322	335	
Chestnut	207	664	541	546	350	313	308	298	264	
Birch	133	452	431	375	351	382	412	365	327	
Beech		511	376	359	191	194	181	175	154	
Basswood	308	399	265	184	173	200	180	153	146	
Elm	457	347	214	104	206	209	191	182	161	
Cottonwood	415	266	105	144	158	167	142	122	104	
Ash	269	291	189	155	149	183	179	164	137	
Hickory	97	334	116	170	90	86	79	86	52	
Tupelo		97	124	144	175	235	220	256	267	
Walnut	39	46	26	39	40	68	70	52	65	
Sycamore	30	57	23	28	25	28	24	32	29	
All other hardwood	209	63	56	61	100	104	115	107	161	

¹ Not available.

² Excludes items reported in M feet b. m. under "Other sawed products." (For total including these items, see Table 700.)

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 700.—LUMBER: REPORTED PRODUCTION BY REGIONS AND STATES

NOTE.—See headnote, Table 699

[In millions of board feet]

	1889	1890	1900	1914	1919	1923	1925	1926	1927
United States.....	28,842	35,078	44,510	37,346	34,552	37,100	38,339	30,936	34,532
Northeastern.....	4,726	5,709	5,197	3,553	2,584	1,032	1,507	1,410	1,331
Maine.....	597	785	1,112	993	596	370	330	341	264
New Hampshire.....	277	572	650	483	339	255	201	243	216
Vermont.....	384	376	352	250	218	120	126	112	91
Massachusetts.....	212	344	301	143	107	129	109	86	88
Connecticut.....	49	108	168	82	87	59	42	47	56
New York.....	925	878	681	486	358	236	198	171	142
New Jersey.....	34	74	62	49	37	14	10	7	5
Pennsylvania.....	2,133	2,333	1,463	865	630	361	331	319	278
Maryland.....	82	184	268	162	113	63	89	69	67
Rhode Island.....	8	19	25	10	11	4	4	0	7
Delaware.....	23	36	55	26	27	10	7	9	17
Central.....	3,180	5,043	5,487	3,021	3,016	2,045	1,969	1,997	1,829
Ohio.....	505	900	543	286	280	152	141	142	123
Indiana.....	755	1,037	550	299	282	180	179	139	148
Illinois.....	222	388	170	66	65	28	30	38	29
Missouri.....	402	724	600	371	321	170	187	179	189
West Virginia.....	302	778	1,473	1,118	763	640	583	559	542
Kentucky.....	423	775	861	596	512	190	207	217	198
Tennessee.....	400	951	1,224	885	792	661	642	683	595
Lake States.....	3,251	3,750	5,470	3,018	2,892	2,302	2,445	2,047	1,704
Michigan.....	4,300	3,018	1,890	1,214	876	833	797	663	678
Minnesota.....	1,084	2,342	1,562	1,312	700	552	579	471	397
Wisconsin.....	2,866	3,380	2,025	1,391	1,116	1,070	1,069	913	819
North Carolina Pine States.....	1,129	2,712	5,177	4,417	3,374	2,037	2,730	2,569	2,408
Virginia.....	416	959	2,102	1,488	1,038	771	709	677	536
North Carolina.....	615	1,287	2,178	2,228	1,654	1,096	1,041	971	1,055
South Carolina.....	109	466	898	702	622	1,070	980	921	817
Southern States.....	3,718	3,404	14,796	13,384	12,704	13,524	14,418	13,093	12,068
Georgia.....	675	1,312	1,342	1,026	894	1,149	1,365	1,145	1,201
Florida.....	412	790	1,202	1,074	1,137	1,110	1,094	921	907
Alabama.....	689	1,101	1,091	1,495	1,799	1,787	2,236	2,105	2,172
Mississippi.....	454	1,206	2,573	2,281	2,390	2,691	3,128	2,895	2,557
Arkansas.....	638	1,024	2,111	1,797	1,772	1,538	1,597	1,441	1,229
Louisiana.....	304	1,115	3,552	3,956	3,164	3,554	3,203	2,890	2,386
Texas.....	843	1,232	2,099	1,554	1,380	1,550	1,578	1,456	1,446
Oklahoma.....	3	22	226	201	168	136	157	150	170
Rocky Mountain States.....	249	556	1,392	1,340	1,299	1,811	1,920	1,568	1,748
Montana.....	90	250	308	318	287	427	389	379	306
Idaho.....	28	65	640	764	765	1,073	1,140	947	924
Arizona.....	5	30	63	79	74	131	146	115	169
New Mexico.....	26	31	62	57	87	126	152	127	173
Colorado.....	80	134	142	102	65	38	71	75	67
Utah.....	14	18	13	9	12	8	6	0	0
Wyoming.....	6	17	29	12	9	8	16	19	13
Pacific States.....	2,028	2,802	6,906	7,097	8,798	12,792	13,287	14,189	13,390
Washington.....	1,064	1,420	3,863	3,940	4,961	6,078	7,027	7,456	7,326
Oregon.....	446	735	1,809	1,818	2,677	3,906	4,217	4,455	3,993
California.....	518	737	1,114	1,303	1,259	1,218	1,204	1,288	1,207
All other¹.....	612	401	179	46	85	63	63	63	64
Iowa.....	569	352	132	11	18	10	10		
PERCENTAGE DISTRIBUTION									
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Northeastern States.....	10.8	16.3	14.7	9.5	7.5	4.4	3.9	3.8	3.6
Central States.....	13.1	16.1	12.3	9.7	8.7	5.5	5.1	5.4	5.3
Lake States.....	34.6	24.9	12.3	10.5	7.8	6.4	6.4	5.5	5.2
North Carolina Pine States.....	4.7	7.7	11.6	11.8	9.8	7.9	7.1	7.0	7.0
Southern States.....	15.0	24.0	33.3	35.8	36.8	36.4	37.6	35.2	34.9
Rocky Mountain States.....	1.1	1.6	2.0	3.6	3.7	4.9	5.0	4.5	5.0
Pacific States.....	8.5	8.3	15.5	18.9	25.4	34.3	34.7	38.4	38.8
All other.....	2.0	1.1	.4	.1	.2	.2	.2	.2	.2

¹ Figures include Nevada.² Includes, besides Iowa, the plains States of Kansas and South Dakota, and in certain years small figures for the District of Columbia, Nebraska, and Nevada.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 701.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

NOTE.—Quantities are based mainly upon averages of production within the period 1912-1921. Values are based on prices prevailing in 1919 and include all value added to the material by cutting, transporting, manufacturing, or otherwise preparing for use

Product and waste	Unit of measure	Quantity in thousands	Approximate value or cost	Equivalent in lumber which could have been sawed from same trees		
				Total (M feet, b. m.)	Soft-woods (M feet, b. m.)	Hard-woods (M feet, b. m.)
Aggregate.....			\$2,254,015,000	60,193,700	41,037,780	18,135,920
Products, total.....			2,232,015,000	62,943,700	55,307,780	17,695,820
Lumber, dimension material and sawed ties.....	Foot, b. m.	37,700,000	1,138,917,000	37,700,000	28,275,000	9,425,000
Fuel wood.....	Cord	100,000	475,000,000	5,000,000	1,500,000	3,500,000
Pulpwood.....	do	5,000	70,750,000	2,840,000	2,145,000	195,000
Ties, hewed.....	Number	70,000	73,500,000	2,100,000	420,000	1,080,000
Cooperage stock:						
Tight staves.....	do	350,000	19,250,000	332,000	133,000	399,000
Tight heading.....	Set	24,000	12,000,000	173,000	30,200	141,800
Slack staves.....	Number	1,200,000	18,000,000	362,000	121,600	240,400
Slack heading.....	Set	90,000	10,800,000	233,000	100,500	169,500
Hoops.....	Number	120,000	1,800,000	21,500		21,500
Shingles.....	do	9,000,000	37,710,000	900,000	900,000	
Mine timbers.....	Cubic foot	293,000	56,913,000	379,000	430,000	439,500
Fence posts.....	Number	900,000	225,000,000	825,000	600,000	165,000
Veneer logs.....	Foot, l. s.	576,000	25,079,000	691,200	103,680	587,520
Poles.....	Number	4,250	10,625,000	255,000	200,000	55,000
Vehicle stock, woodenware, handles, furniture, etc.	Board foot	200,000	7,288,000	200,000	2,300	197,700
Distillation wood.....	Cord	1,400	9,260,000	185,000		185,000
Piling.....	Number	1,500	6,000,000	189,000	140,000	40,000
Export logs and hewn timbers.....	Board foot	100,000	3,445,000	100,000	50,000	50,000
Tanning extract wood.....	Cord	1,000	10,250,000	87,000		87,000
Excelsior wood.....	do	200,000	1,800,000	75,000	15,000	60,000
Lath.....	Number	2,000,000	9,620,000			
Destroyed by fire.....	Cubic foot	1,080,000	10,000,000	2,250,000	1,760,000	500,000
Destroyed by insects, disease, and windfall.....	do	1,300,000	12,000,000	5,000,000	4,000,000	1,000,000

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 702.—LUMBER: COMPOSITE PRICES

NOTE.—The prices represent a combined weighted average for the respective species of lumber, based on quotations on various grades for each species, and the species weighted according to annual production. The softwood index is based upon seven species: Yellow pine, Douglas fir, North Carolina pine, white pine, hemlock, spruce, and cypress. The hardwood index is based upon 13 species: Maple, birch, beech, basswood, elm, oak, gum, ash, cottonwood, chestnut, poplar, hickory, and walnut

[Dollars per 1,000 board feet]

Month	Softwoods					Hardwoods				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
Year.....	\$30.96	\$30.71	\$30.57	\$29.86	\$28.70	\$43.11	\$41.80	\$41.56	\$41.13	\$39.90
January.....	31.98	31.44	30.79	29.74	27.37	43.71	43.49	42.60	41.11	40.42
February.....	32.97	31.08	31.32	29.76	27.50	44.14	44.23	43.79	41.03	40.47
March.....	32.44	31.03	31.44	30.26	27.55	44.46	43.78	43.00	40.80	41.24
April.....	32.28	31.41	31.48	30.52	28.00	44.60	42.02	41.96	40.65	39.77
May.....	31.34	30.84	31.40	30.05	28.39	44.07	41.43	41.70	41.96	38.39
June.....	29.07	29.93	30.22	30.65	28.74	42.53	40.94	41.61	42.47	38.42
July.....	29.31	29.85	30.21	30.57	28.81	42.12	40.22	39.95	42.59	40.06
August.....	29.82	30.15	29.93	29.40	29.00	41.77	40.16	39.95	42.40	39.98
September.....	30.27	30.35	29.00	29.74	29.27	41.90	40.58	40.06	41.04	39.91
October.....	29.79	30.35	30.28	31.77	30.36	42.19	40.54	40.93	40.02	40.05
November.....	30.21	30.69	29.08	28.29	30.73	42.59	41.67	41.15	39.04	40.19
December.....	30.96	30.34	29.78	26.84	(?)	42.63	41.69	41.15	39.74	(?)

¹ Average for 11 months.

² Data not available.

Source: Survey of Current Business, Department of Commerce, compiled from weekly data published in the Lumber Manufacturer and Dealer.

No 703.—LUMBER: AVERAGE MILL VALUE PER 1,000 BOARD FEET

Kind of wood	1899	1904	1909	1919	1929	1921	1923	1924	1925	1926	1927
All kinds ¹	\$11.13	\$12.76	\$15.38	\$30.21	\$36.42	\$23.47	\$31.73	\$28.57	\$28.02	\$27.34	\$25.80
SOFTWOODS											
Balsam fir.....	(²)	(²)	13.99	32.23	34.33	25.71	27.62	27.60	26.65	25.64	25.02
Cedar.....	10.91	14.35	19.95	33.80	38.68	33.55	37.56	38.74	38.80	37.28	34.39
Cypress.....	13.32	17.50	20.46	38.38	51.02	36.86	44.61	42.03	40.90	43.33	39.91
Douglas fir.....	3.67	9.51	12.44	24.62	34.59	18.04	26.99	22.03	20.94	20.17	19.45
Hemlock.....	9.93	11.91	13.95	29.16	32.05	20.79	26.21	23.35	21.58	20.23	19.06
Larch (tamarack).....	5.73	11.39	12.68	23.30	30.28	15.56	21.93	20.82	18.25	17.77	17.60
Lodgepole pine.....	(²)	(²)	16.25	29.93	30.58	21.81	21.70	21.07	20.22	19.98	20.82
Redwood.....	10.12	12.83	14.80	30.04	46.90	40.57	43.08	35.90	33.99	33.80	33.81
Spruce.....	11.27	14.03	16.01	30.76	38.94	25.73	31.44	30.18	27.98	27.27	26.59
Sugar pine.....	12.30	(²)	18.14	35.99	48.76	37.83	45.33	40.54	44.79	48.45	43.22
Yellow pine.....	8.46	9.96	12.69	28.71	35.89	19.42	20.82	26.55	26.46	26.54	23.77
Western yellow pine.....	9.70	11.30	15.39	27.75	38.73	26.95	33.09	27.73	27.70	26.63	26.04
White fir.....	(²)	(²)	13.10	25.66	30.44	21.37	23.84	21.69	22.51	20.15	19.92
White pine.....	12.69	14.03	18.16	32.83	41.49	30.03	34.85	32.66	32.58	31.36	29.90
HARDWOODS											
Ash.....	15.84	18.77	24.44	52.69	61.28	38.18	50.35	49.54	48.40	48.07	43.82
Basswood.....	12.84	16.86	19.50	40.03	54.28	33.09	45.60	41.94	39.76	37.07	39.84
Beech.....	(²)	(²)	13.25	29.93	36.51	26.99	30.22	29.95	29.21	27.84	27.21
Birch.....	12.50	15.44	16.95	35.79	53.44	31.53	43.33	43.83	41.68	40.80	41.03
Chestnut.....	13.37	13.78	16.12	32.30	42.48	27.87	29.75	25.97	30.37	29.54	29.35
Cottonwood.....	10.37	14.92	18.05	32.24	33.38	25.05	30.19	29.43	26.70	34.47	30.92
Elm.....	11.47	14.45	17.52	36.39	47.23	29.63	43.53	38.63	36.41	37.13	36.22
Gum, red and sap.....	9.63	10.87	13.20	32.08	35.24	22.46	32.35	30.24	31.39	33.73	32.81
Hickory.....	18.78	23.94	30.80	44.37	52.57	36.00	46.39	52.24	36.25	61.20	37.05
Maple.....	11.83	14.94	15.77	35.56	50.16	30.34	41.59	40.36	39.18	37.21	35.35
Oak.....	13.78	17.51	20.50	37.87	46.88	30.56	39.08	36.13	37.00	35.07	35.72
Sycamore.....	11.04	(²)	14.87	30.32	32.12	22.55	30.25	29.31	31.11	29.49	29.31
Tupelo.....	(²)	(²)	11.87	28.42	33.08	18.50	24.90	25.86	24.66	26.71	24.45
Yellow poplar.....	14.03	18.99	25.30	41.05	58.87	37.31	51.29	44.33	43.44	38.63	38.58
Walnut.....	36.49	45.84	43.79	72.13	88.22	88.83	109.38	103.66	111.53	113.57	111.04

¹ Including minor species.² No data.

Sources: Bureau of the Census, Department of Commerce and Forest Service, Department of Agriculture.

No. 704.—VENEERS: TIMBER CONSUMED IN MANUFACTURING VENEERS

[In thousands of feet, log scale]

State	1900	1923	1925	1927	Kind of wood	1900	1923	1925	1927
Total.....	435,981	645,793	734,599	961,561	DOMESTIC				
Alabama.....	14,565	43,214	38,591	41,424	Basswood.....	13,715	8,771	9,413	11,865
Arkansas.....	26,116	64,117	58,122	57,611	Birch.....	24,643	43,930	51,490	51,331
Florida.....	33,293	49,016	29,959	77,321	Cottonwood.....	30,842	40,404	39,869	43,456
Illinois.....	35,646	13,722	11,967	11,414	Douglas fir.....	1,111	55,123	101,869	101,230
Kentucky.....	19,356	25,620	23,300	24,193	Elm.....	16,254	9,570	8,503	16,945
Louisiana.....	3,164	23,728	24,305	35,012	Maple.....	35,444	23,310	23,922	24,706
Mississippi.....	7,563	45,496	57,285	80,218	Red gum.....	120,930	220,793	237,465	250,227
New York.....	24,218	16,382	34,005	27,364	Tupelo.....	18,476	34,396	44,311	113,729
North Carolina.....	19,984	53,196	64,640	78,171	Walnut.....	2,409	15,452	17,573	20,789
Oregon.....	3,291	26,399	29,793	32,091	Oak.....	35,403	25,374	20,661	19,592
South Carolina.....	2,944	20,783	29,669	33,311	Yellow pine.....	48,143	65,190	45,818	62,153
Tennessee.....	30,574	30,983	40,454	25,586	Yellow poplar.....	28,829	45,379	50,770	56,899
Virginia.....	21,609	21,179	26,416	33,310	All other.....	32,905	58,373	66,201	141,134
Washington.....	5,419	53,510	112,484	140,319	IMPORTED				
Wisconsin.....	31,737	37,513	34,292	37,864	Mahogany.....	16,057	6,664	7,471	11,954
All other.....	150,592	121,595	119,135	224,343	Spanish cedar.....	5,140	2,714	5,149	4,829
					All other.....	3,363	961	1,114	785

Source: Bureau of the Census, Department of Commerce.

No. 705.—LATH AND SHINGLES: PRODUCTION

[All figures in thousands of lath or shingles]

Year (calendar)	Lath	Shingles	Year (calendar)	Lath	Shingles
1899	2,523,998	12,102,017	1920	1,952,983	6,156,416
1904	2,047,847	14,546,551	1921	1,970,696	6,843,187
1910	3,404,718	12,976,362	1922	2,940,714	8,131,242
1915	2,745,134	8,459,378	1923	3,323,013	7,506,869
1916	2,754,083	9,371,333	1924	2,961,200	6,862,385
1917	2,281,738	8,606,513	1925	3,161,137	7,324,027
1918	1,362,187	5,690,182	1926	3,083,130	6,008,346
1919	1,724,078	9,192,704	1927	2,372,333	6,443,898

States	Lath				Shingles			
	1900	1919	1926	1927	1900	1919	1926	1927
Alabama	50,979	42,502	39,330	34,084	245,871	62,241	16,300	10,747
Arkansas	75,302	72,827	48,935	31,598	208,080	98,937	1,713	-----
California	32,616	43,042	104,199	84,941	574,342	191,831	168,194	122,314
Florida	55,741	76,402	132,389	101,217	283,206	123,286	32,408	46,606
Georgia	58,704	10,718	10,191	4,575	443,260	114,800	11,643	7,360
Idaho	86,740	69,150	109,935	108,337	62,308	22,657	19,487	9,464
Louisiana	377,708	190,018	273,346	186,167	757,868	300,784	82,977	72,169
Maine	337,086	104,233	164,615	117,760	598,131	188,576	57,587	50,864
Michigan	218,308	51,469	58,129	30,306	891,649	144,173	70,418	31,638
Minnesota	478,008	115,741	224,560	131,281	74,818	4,451	740	110
Mississippi	90,926	96,204	197,968	144,453	151,803	34,002	15,732	11,764
Montana	35,430	21,302	32,281	19,314	625	253	275	68
North Carolina	70,724	19,079	29,534	14,616	280,942	92,139	23,575	15,588
Oregon	161,512	122,848	388,733	273,066	293,644	530,966	309,877	309,818
Texas	59,927	36,916	70,661	82,015	137,719	13,581	1,966	1,917
Virginia	127,555	27,073	29,008	14,317	39,172	1,637	57	80
Washington	451,384	339,058	901,976	766,109	8,879,467	7,095,122	5,135,160	5,690,679
West Virginia	150,820	22,005	61,224	58,204	6,829	120	391	-----
Wisconsin	299,845	138,936	119,583	95,332	392,863	96,928	50,745	54,906
All other	464,121	107,505	86,683	74,555	885,374	72,114	9,242	8,846

No. 706.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND FLOORS

NOTE.—Production of wooden hoops in 1923 was 153,954,000; in 1925, 149,167,000; and in 1927, 134,596,000, nearly all elm

Year and State	Staves (thousands)		Heading (thousands sets)		Kind of wood	Staves (thousands)		Heading (thousands sets)						
	Tight	Slack	Tight	Slack		Tight	Slack	Tight	Slack					
1900	370,231	2,029,548	20,691	140,234	1927	139,827	6,985	10,630	28					
1919	353,825	1,121,324	24,274	87,381										
1921	255,047	803,621	20,505	66,747										
1923	222,507	803,682	19,342	80,477										
1925	240,023	937,697	23,052	71,371										
1927	324,127	961,782	20,445	59,337										
Alabama	9,337	32,857	(1)	20,606						Oak	139,827	6,985	10,630	28
Arkansas	65,136	271,861	5,194	(1)						Gum	22,749	315,270	2,480	10,348
Florida	(1)	23,215	(1)	717						Pine	25,947	236,358	2,136	32,424
Georgia	8,154	18,272	(1)	7,462						Douglas fir	45,299	38,566	3,243	1,607
Louisiana	22,118	59,287	2,378	1,484	Hemlock	601	6,492	236	169					
Maine	8,337	(1)	438	785	Ash	5,315	62,805	421	158					
Massachusetts	300	(1)	(1)	(1)	Elm	369	100,065	11	326					
Mississippi	11,695	77,053	(1)	(1)	Tupelo	200	76,621	-----	2,970					
Missouri	7,400	90,942	(1)	(1)	Cottonwood	108	41,595	-----	842					
New Hampshire	24,480	1,332	1,838	288	Birch	128	633	7	2,922					
North Carolina	(1)	78,134	(1)	3,486	Beech	-----	1,386	-----	1,326					
Tennessee	16,541	30,498	1,712	(1)	Spruce	81,934	35,125	7,142	2,695					
Virginia	-----	123,013	-----	3,498	Maple	137	192	28	455					
Washington	(1)	13,786	(1)	1,014	Poplar	-----	12,409	-----	242					
All other	158,787	131,995	15,323	19,679	Basswood	107	899	11	1,323					
					All other	1,386	28,231	100	1,502					

1 Included in "All other" to avoid disclosing the data reported by individual establishments.

Sources of Tables 705 and 706: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 707.—PULPWOOD: CONSUMPTION BY MILLS, AND MILL COST

NOTE.—Figures include both domestic and imported wood. The cost is f. o. b. pulp mill

Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost	
		Total (thousand dollars)	Average per cord			Total (thousand dollars)	Average per cord			Total (thousand dollars)	Average per cord
1800	1,086,310	9,838	\$4.95	1920	6,114,072	116,496	\$19.03	1925	6,093,821	94,340	\$15.48
1905	3,192,123	17,736	5.56	1921	4,557,179	91,589	20.10	1926	6,766,007	101,229	14.96
1909	4,071,607	34,478	8.62	1922	5,548,842	89,895	16.20	1927	6,750,935	95,452	14.14
1914	4,470,763	39,408	8.81	1923	5,872,870	95,306	16.23				
1919	5,447,832	37,380	15.95	1924	5,708,082	92,672	16.07				

KIND OF WOOD	Total consumption (cords)				Consumption by processes, ¹ 1927 (cords)				Average cost per cord, 1927
	1909	1919	1925	1927	Mechanical	Sulphite	Soda	Sulphate	
Total	4,001,607	5,477,832	6,093,821	6,750,935	1,560,098	3,094,022	901,329	1,176,688	\$14.14
Spruce:									
Domestic.....	1,053,240	2,313,419	2,263,219	2,077,803	902,741	1,109,608		65,544	17.11
Imported.....	708,332	873,795	818,143	948,216	338,763	679,451	34,002	5,000	19.58
Hemlock:									
Domestic.....	550,057	795,154	1,013,109	1,138,783	101,142	883,874		153,767	10.04
Imported.....			21,705	5,048	5,048				11.35
Yellow pine:									
Domestic.....	90,885	234,463	531,157	755,175	8,794	15,982	84,230	646,470	8.16
Poplar:									
Domestic.....	302,876	180,160	206,982	220,268	17,860	7,000	180,715	13,703	14.23
Imported.....	25,622	158,220	195,938	186,695	350		180,326	6,019	17.20
Balsam fir:									
Domestic.....	95,300	288,814	214,600	305,143	109,153	125,451		70,530	14.11
Imported.....			62,590	84,087	24,363	50,724			18.70
Yellow poplar	(2)	72,605	145,871	131,168	55		131,113		13.54
Jack pine	(3)	51,681	102,040	108,734	11,506	13,041	21,076	122,211	10.58
White fir	37,170	31,138	84,305	97,148	28,212	65,541		3,395	9.84
Tamarack or larch	(4)	44,042	76,585	61,104		4,220	3,810	53,095	11.15
Gum	(1)	30,355	43,386	64,314			62,189		13.18
Other wood	219,467	229,005	177,975	221,075	5,366	1,056	191,179	13,311	11.75
Slabs and mill waste	248,977	175,081	156,216	286,084	12,665	237,984	11,771	23,664	6.35

¹ In addition there were 12,288 cords of semichemical pulpwood consumed.

² Included in domestic poplar.

³ Included in yellow pine.

⁴ Included in "Other wood."

No. 708.—WOOD PULP PRODUCTION: TOTAL AND BY STATES AND PROCESSES

NOTE.—In 1927, 1,435,321 tons of mechanical pulp were not steamed and 175,088 tons steamed; of the other chemical pulp (sulphite, soda, and sulphate) 1,400,743 tons were unbleached and 1,173,687 bleached

Year	Tons	Year	Tons	Year	Tons	Year	Tons
1800	1,170,525	1914 ¹	2,808,150	1922	3,521,644	1925 ¹	3,902,217
1904	1,921,768	1919 ¹	3,517,952	1923	3,788,672	1926 ¹	4,394,760
1909	2,495,523	1921 ¹	2,875,601	1924	3,723,260	1927 ¹	4,313,403

	1909 ²	1919	1921	1923	1925	1926 ²	1927 ²
Principal States:							
Maine.....	620,705	916,764	710,320	901,007	917,632	945,790	942,162
New York.....	679,534	811,958	606,369	760,109	770,777	822,131	710,227
Wisconsin.....		500,549	488,501	677,903	590,601	712,565	690,921
Pennsylvania.....		215,686	167,310	236,000	224,300	233,268	216,587
New Hampshire.....		232,134	152,797	188,323	217,480	248,600	200,324
Michigan.....		106,194	103,532	138,034	161,083	200,604	193,530
Minnesota.....		129,560	117,934	170,609	171,536	190,454	191,220
Washington.....		83,575	95,161	130,943	161,858	199,164	268,340
West Virginia.....		39,195	27,623	23,072	27,167		
Vermont.....		85,945	41,945	70,840	46,597	40,370	32,562
California and Oregon.....		123,990	124,494	162,653	160,736	178,841	200,860
Other States.....	1,195,284	266,402	239,106	422,099	503,362	610,983	660,643
Processes:							
Mechanical.....	1,170,266	1,518,829	1,267,382	1,580,553	1,612,010	1,764,248	1,610,400
Sulphite.....	1,017,631	1,419,829	1,106,920	1,448,690	1,403,086	1,558,175	1,552,600
Soda.....	298,626	411,693	300,533	445,162	472,647	496,920	487,478
Sulphate.....		120,378	140,760	314,267	400,768	510,960	603,253
Semichemical.....							11,983

¹ Total includes screenings.

² Blank spaces indicate figures not reported separately.

Sources of Tables 707 and 708: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 709.—PAPER AND WOOD PULP: CENSUS STATISTICS OF PRODUCTION

NOTE.—The total value of products involves duplication due to the use of pulp produced by certain plants as material in other plants. Pulp made and consumed in the same plant is not included

	Quantity (thousands of short tons)			Value (thousands of dollars)		
	1914	1925	1927	1914	1925	1927
All products, value.....				332, 147	371, 332	419, 391
Total paper.....	5, 270	9, 132	10, 002	291, 538	362, 539	373, 207
Standard newsprint, in rolls and sheets.....	1, 313	1, 563	1, 517	52, 043	106, 033	98, 732
Hanging papers.....	97	105	113	4, 539	9, 506	9, 035
Poster, novel, tablet, lining, etc.....	8	84	2 183	491	7, 090	2 15, 573
Book paper.....	904	1, 343	1, 329	70, 102	177, 292	160, 869
Cover paper.....	22	24	23	2, 809	5, 806	5, 933
Writing paper (fine).....	248	474	509	34, 055	105, 474	105, 143
Wrapping paper (other than bag, tag board, etc.).....	882	1, 147	1, 285	49, 373	125, 967	137, 133
Bag paper (all kinds).....	(¹)	124	190	(²)	14, 617	20, 143
Tag board, light manila board, and pattern.....	4 29	21	41	4 1, 935	3, 004	5, 269
Boards.....	1, 292	3, 237	3, 774	44, 809	192, 042	211, 264
Tissue paper.....	115	231	316	11, 536	45, 735	46, 617
Blotting paper.....	14	13	13	1, 458	2, 535	2, 700
Building and sheathing, felts, and roofing.....	3 244	555	3 626	3 9, 476	44, 031	3 40, 062
Other paper.....	102	161	71	3, 052	22, 451	13, 639
Wood pulp, for sale or transfer to other mills.....	912	913	(³)	31, 678	55, 200	(³)
Other products ⁷				8, 381	54, 093	111, 922

¹ Exclusive of \$34,236,900, the value of paper and paper boards produced and used as materials in converting plants operated by the companies reporting.
² Includes catalogue. ³ Not reported separately. ⁴ "Tag stock (rop, lute, and sulphite)."
⁵ Reported as building, roofing, asbestos, etc., in 1914; as sheathing, felts, and asbestos filled in 1927.
⁶ Not available. ⁷ Largely paper bags, boxes, and containers.

No. 710.—TURPENTINE AND ROSIN PRODUCTION

Year ¹	Turpentine (gallons)			Rosin (barrels of 500 pounds)		
	Total	From gum	From wood	Total	From gum	From wood
1890.....	37, 733, 500	37, 733, 500	(²)	2, 434, 933	2, 434, 933	(²)
1904.....	31, 129, 236	30, 687, 051	442, 185	1, 964, 674	1, 964, 674	(²)
1909.....	29, 714, 132	28, 988, 054	706, 868	1, 827, 760	1, 827, 760	(²)
1914.....	27, 648, 939	26, 980, 981	575, 657	1, 649, 160	1, 615, 643	29, 022
1919.....	19, 223, 174	17, 693, 341	1, 534, 333	1, 269, 717	1, 138, 060	131, 057
1921.....	24, 320, 620	24, 378, 854	441, 766	1, 690, 971	1, 661, 624	29, 347
1923.....	20, 731, 944	27, 174, 680	2, 007, 394	1, 900, 365	1, 790, 057	209, 778
1924.....	20, 333, 460	20, 072, 200	3, 261, 250	2, 018, 296	1, 760, 765	257, 631
1925.....	27, 261, 425	23, 922, 250	3, 339, 175	1, 903, 370	1, 618, 860	284, 504
1926.....	29, 433, 055	3 25, 500, 000	4 3, 933, 055	2, 105, 480	3 1, 740, 000	4 365, 480
1927.....	35, 382, 253	31, 549, 082	4, 333, 176	2, 524, 000	2, 071, 313	452, 187

PRODUCTION FROM CRUDE GUM	Turpentine (gallons)				Rosin (barrels of 500 pounds)			
	1914	1919	1925	1927	1914	1919	1925	1927
Alabama.....	2, 721, 777	2, 037, 005	1, 557, 200	2, 170, 710	165, 099	120, 339	102, 775	144, 331
Florida.....	12, 363, 232	0, 992, 439	8, 649, 050	10, 275, 713	733, 772	436, 432	570, 337	711, 352
Georgia.....	0, 223, 041	3, 997, 310	10, 301, 750	15, 060, 761	347, 931	234, 630	679, 915	953, 223
Mississippi.....	2, 335, 054	1, 749, 312	2, 914, 250	1, 879, 418	154, 115	115, 934	192, 339	117, 038
Louisiana.....	2, 252, 118	1, 885, 231			150, 793	112, 900		
Texas.....	647, 160	906, 404	3, 983, 055	1, 357, 020	41, 639	60, 179	93, 601	
North Carolina and South Carolina.....	333, 500	125, 500	500, 000	795, 551	22, 294	7, 636	33, 000	50, 368

¹ The figures of turpentine and rosin from crude gum beginning with 1919 and from wood beginning with 1925 refer to the crop year ended Mar. 31 of the year following. All other figures relate to calendar years.
² Not reported.
³ Estimated: Savannah Naval Stores Review, and Bureau of Chemistry, Department of Agriculture.
⁴ Compiled by J. E. Lockwood, Hercules Powder Co., and Bureau of Chemistry, Department of Agriculture.

Sources of Tables 709 and 710: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

30.—FISHERIES

No. 711.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

NEW ENGLAND STATES

Calendar year	Total		Maine		New Hampshire	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880		12,503.0		2,742.6		170.6
1889	653,170	10,560.6	129,560	2,111.2	4,355	88.5
1898	303,458	9,682.3	123,405	2,654.9	3,021	49.0
1902	634,075	12,406.3	242,390	2,918.8	1,593	50.0
1905	480,284	14,184.2	124,724	2,386.4	1,036	51.9
1908	530,029	15,139.0	173,843	3,267.0	677	53.0
1919	467,340	19,838.7	147,956	3,880.0	529	92.7
1924	400,822	18,818.1	116,707	4,137.0	447	56.0
	Massachusetts		Rhode Island		Connecticut	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880		7,950.8		606.8		933.2
1889	299,218	5,858.3	127,365	935.1	39,750	1,567.5
1898	202,258	4,463.7	32,854	955.1	31,920	1,559.6
1902	230,646	6,482.4	21,614	1,155.7	37,832	1,739.4
1905	255,654	7,025.2	23,896	1,546.7	74,973	3,173.9
1908	244,313	7,095.0	44,254	1,752.0	68,942	2,682.0
1919	240,951	10,859.7	48,251	3,296.6	28,653	1,700.6
1924	243,363	10,799.6	20,535	1,818.9	25,770	2,006.7

MIDDLE ATLANTIC STATES

Calendar year	Total		New York		New Jersey		Pennsylvania		Delaware	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880	408,203	8,489.1	320,453	4,225.7	65,151	3,176.6	1,630	89.1	11,813	497.7
1889	299,104	8,645.1	192,471	4,662.2	88,780	3,447.4	7,849	328.2	10,954	267.3
1897	227,590	7,627.7	100,550	3,361.3	103,733	3,614.4	6,694	269.5	8,848	252.1
1901	357,888	9,104.7	228,062	3,894.3	117,921	4,755.5	6,030	251.5	5,835	263.4
1904	376,412	10,043.7	277,650	6,236.3	90,195	3,335.4	2,046	137.5	5,808	256.6
1908	221,450	8,280.0	71,474	4,366.6	74,827	3,069.0	4,380	280.0	70,769	541.0
1921	332,032	11,667.4	210,377	4,966.9	96,937	5,983.4	595	44.6	25,023	652.4
1926	168,612	12,456.3	60,721	5,128.7	73,209	6,254.3	735	43.3	33,258	1,030.0

CHESAPEAKE BAY STATES

Calendar year	Total		Maryland		Virginia	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880	254,587	8,346.2	95,713	5,221.7	158,875	3,124.4
1890	329,188	9,655.5	143,909	6,019.2	185,283	3,636.4
1897	360,582	6,706.8	88,588	3,617.3	3,170.5	3,170.5
1901	461,159	8,350.8	32,975	3,767.3	378,183	4,513.4
1904	430,445	8,920.9	61,126	3,536.6	355,316	5,384.4
1908	426,311	8,022.0	115,796	3,306.0	312,515	4,716.0
1920	530,750	12,740.4	59,531	4,198.7	471,219	8,541.7
1925	333,206	13,948.1	65,973	4,863.4	276,228	9,084.6

SOUTH ATLANTIC STATES

Calendar year	Total		North Carolina		South Carolina		Georgia		Florida (east coast only)	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880	42,952	1,256.6	32,249	845.7	8,143	212.5	2,272	120.0	2,287	78.4
1890	67,202	1,573.7	51,799	1,027.7	4,945	202.6	2,904	126.6	7,461	219.9
1897	80,390	1,833.2	64,234	1,316.0	5,280	210.5	4,993	170.6	5,883	196.1
1902	100,446	2,839.6	67,585	1,739.7	8,174	203.0	11,103	359.1	19,584	477.9
1908	109,875	4,034.0	101,422	1,770.0	14,104	288.0	14,828	701.0	30,521	1,269.0
1918	332,614	5,343.6	210,592	2,978.7	3,747	207.7	37,154	416.0	81,911	4,746.2
1923	228,748	5,086.3	95,192	2,414.5	6,703	284.8	39,890	668.1	86,896	1,710.9
1927	260,609	5,695.0	144,466	2,777.4	8,374	350.4	47,607	697.2	60,222	1,870.9

No. 711.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS—Continued

GULF STATES

Calendar year	Total		Florida (west coast only)		Alabama	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880	23,561	1,227.5	8,379	504.8	3,512	119.3
1890	60,076	2,438.7	27,419	1,001.1	4,777	154.9
1897	65,361	2,271.7	28,255	944.8	4,690	134.4
1902	113,697	3,494.2	48,120	1,462.2	9,351	286.7
1908	118,274	4,800.0	37,556	2,120.0	10,665	387.0
1918	130,924	6,510.3	54,754	3,420.4	5,609	230.6
1923	160,324	8,096.7	73,296	4,026.2	7,631	341.6
1927	195,705	9,965.8	73,835	4,351.4	10,076	437.2

Calendar year	Mississippi		Louisiana		Texas	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1880	788	22.5	4,090	392.6	3,859	123.3
1890	8,131	245.7	20,780	609.1	7,959	313.8
1897	7,830	192.3	17,403	713.6	7,175	286.6
1902	23,427	553.2	24,754	858.3	8,044	353.8
1908	17,362	459.0	42,302	1,448.0	10,439	446.0
1918	20,502	762.8	24,954	1,419.4	25,015	677.2
1923	25,032	935.7	34,835	1,901.1	19,590	782.0
1927	34,503	1,250.4	50,208	2,893.5	21,083	1,054.3

PACIFIC COAST STATES

Calendar year	Total		Washington		Oregon		California	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1888	71,883	2,993.1	23,400	800.9	25,169	1,010.8	23,313	1,001.4
1892	123,117	4,827.0	36,757	931.6	28,521	872.4	57,838	3,023.0
1900	219,338	6,316.2	121,630	2,884.9	23,216	862.0	74,462	2,668.4
1904	168,060	6,080.9	88,955	2,972.6	27,535	1,185.1	52,110	2,523.1
1908	176,150	6,839.0	100,456	3,513.0	28,217	1,356.0	47,477	1,970.0
1915	286,205	9,300.7	158,983	5,317.1	34,708	1,495.5	92,513	2,488.1
1922	282,968	12,983.6	69,470	4,053.9	22,372	1,255.7	191,127	6,774.0
1923	404,949	10,042.1	111,262	7,800.7	32,883	3,504.4	260,805	7,737.1
1924	477,515	20,416.5	93,042	7,487.7	39,578	3,203.6	344,895	9,725.1
1925	624,022	25,510.4	143,714	10,406.3	40,007	3,442.4	440,301	11,661.7
1926	621,286	18,914.7	89,637	7,942.3	32,998	3,068.0	398,651	7,904.3
1927	651,197	22,366.6	125,655	9,145.4	34,195	3,162.0	491,347	10,058.3

GREAT LAKES

Calendar year	Total ¹		Lake Superior		Lake Michigan		Lake Huron		Lake Erie	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1885	99,842	2,691.9	8,820	291.5	23,518	478.8	11,457	270.4	51,457	1,199.1
1890	113,899	2,471.8	6,116	221.0	26,434	430.5	10,056	221.1	61,851	1,090.9
1898	96,020	2,270.6	8,097	252.1	30,748	828.6	12,064	306.4	42,098	806.0
1899	113,727	2,611.4	5,430	150.9	34,500	876.7	12,418	308.1	58,394	1,150.9
1903	86,105	2,745.5	13,205	343.7	33,570	1,090.6	14,455	450.3	23,189	780.0
1908	166,031	3,768.0	10,398	342.0	40,010	1,354.0	12,032	486.0	41,922	1,280.0
1917	103,750	6,298.0	15,447	726.7	35,461	2,270.0	13,363	867.5	38,300	2,330.2
1922	108,732	6,089.6	10,988	484.3	20,128	2,133.8	13,942	945.3	56,338	2,977.1
1925 ²	72,008	6,444.6	13,436	760.5	20,405	2,077.0	13,132	1,261.0	25,057	2,246.5
1927 ²	70,188	6,614.8	15,392	918.1	23,081	2,354.8	15,711	1,444.4	23,796	1,831.3

¹ Includes small amounts for Lake Ontario, Lake St. Clair, and St. Clair and Detroit Rivers not shown separately.

² Data collected for the most part by State fishery agencies and compiled by the Bureau of Fisheries.

No. 711.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS—Continued

MISSISSIPPI RIVER AND TRIBUTARIES

	Total		Tributary	1922	
	1,000 pounds	1,000 dollars		1,000 pounds	1,000 dollars
	1894	44,545		1,384.6	Arkansas River	2,034	136.3
1890	90,797	1,781.0	Atchafalaya River ⁴	4,879	254.7
1903	63,374	1,841.2	Cumberland River	728	14.7
1908	148,284	3,125.0	Illinois River ⁴	12,661	617.3
1922	103,734	4,503.5	Missouri River ⁴	1,232	105.2
			Ohio River ⁴	7,458	370.1
			Red River ⁴	6,077	324.5
			St. Francis River ⁴	3,684	108.9
			Tennessee River ⁴	4,990	98.3
			Wabash River ⁴	12,063	357.8
			White River (Missouri and Arkansas) ⁴	14,662	405.0
			Yazoo River	1,022	55.6
			Mississippi River ⁴		
1894	21,249	537.8			
1890	68,604	823.0			
1903	53,851	1,157.4			
1922	33,945	1,645.3			

⁴ Including minor tributaries.

⁴ Not included with Mississippi River and tributaries, 1890 to 1908.

⁴ Including tributaries.

No. 712.—SUMMARY OF THE FISHERIES OF THE UNITED STATES AND ALASKA

Section	Fisher- men	Fishing vessels	Fishing boats	Per- sons on trans- porters	Trans- porting vessels	Products	
						Quantity	Value
						1,000 pounds	1,000 dollars
Total, various years	Number 134,581	Number 4,222	Number 79,791	Number 4,136	Number 1,893	Quantity 2,961,407	Value 112,567
New England States (1924)	15,007	615	10,022	278	162	466,822	18,813
Middle Atlantic States (1926)	9,953	617	4,480	107	63	168,012	12,456
Chesapeake Bay States (1925)	24,793	574	16,805	985	523	333,206	13,448
South Atlantic States (1927)	11,527	177	7,223	208	115	260,050	5,906
Gulf States (1927)	15,133	490	8,539	136	68	195,705	9,066
Pacific Coast States (1927) ¹	20,514	767	7,886	475	172	651,197	22,307
Mississippi River States (1922)	12,310		15,638	30	13	105,734	4,563
Lake States (1927) ¹	5,825	401	2,368	162	103	81,327	6,795
Alaska (1923)	11,519	572	6,831	1,755	474	698,735	18,078

¹ Transporters and persons on transporters are for 1922.

No. 713.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY AMERICAN FISHING AND COLLECTING VESSELS

Species	Quantity in thousands of pounds				Value in dollars			
	1925	1926	1927	1928	1925	1926	1927	1928
	Grand total	30,394	32,418	31,515	33,773	2,955,817	3,598,741	3,260,731	3,147,362
Landed by fishing vessels	12,097	13,372	15,733	17,547	1,594,298	1,896,877	2,009,404	1,755,959
Halibut	9,085	10,061	11,795	13,734	1,403,167	1,738,015	1,786,815	1,594,573
Sablefish	2,340	2,083	2,426	2,252	190,499	107,673	159,209	105,486
Lingcod	692	821	973	957	21,343	33,356	40,294	33,173
Rockfishes	280	309	531	575	9,280	16,720	22,636	21,292
Sturgeon		18	8	29		913	450	1,435
Landed by collecting vessels	17,398	19,047	15,782	16,226	1,361,519	1,702,064	1,251,327	1,391,403
Salmon—								
Humpback or plink	96	47	646	223	3,598	1,022	29,660	7,056
Chum or keta	1,909	2,099	2,361	2,439	72,790	82,326	101,340	122,605
King or spring	8,338	10,631	7,680	7,066	336,200	1,203,100	776,480	860,049
Coho or silver	4,895	4,109	3,009	3,578	341,390	317,500	241,920	298,662
Sockeye or red	94	97	94	102	0,300	9,650	9,400	11,190
TROUT, steelhead	54	110	117	135	4,575	11,040	11,230	13,980
Smelt	202	160	202	219	13,020	16,870	22,500	26,228
Sole	207	281	371	810	13,170	11,346	14,540	19,376
Crabs	545	447	301	273	38,188	29,245	20,595	19,450
Miscellaneous	969	1,069	1,001	1,831	23,818	19,935	23,692	21,810

Source of Tables 711, 712, and 713: Bureau of Fisheries, Department of Commerce.

No. 714.—FISHERIES: PRODUCTS LANDED AT BOSTON AND GLOUCESTER, MASS., AND PORTLAND, ME., BY FISHING VESSELS

Port and calendar year	Total, all species	Cod	Haddock	Hake	Pol-lock	Cusk	Hall-but	Mack-erel	Miscel-laneous
Quantity in thousands of pounds									
All three ports:									
1915.....	171,506	45,050	57,844	14,890	13,190	6,331	3,871	10,918	19,390
1918.....	205,501	71,824	66,672	6,281	20,501	2,658	1,781	10,158	20,560
1919.....	196,481	65,374	82,716	4,330	18,752	2,003	2,115	5,713	15,408
1920.....	178,281	62,260	75,279	4,721	8,501	1,855	3,789	7,294	14,510
1921.....	150,865	63,615	67,413	4,636	6,945	2,098	5,606	3,384	7,308
1922.....	159,875	65,180	70,196	5,374	5,097	2,247	5,624	4,727	11,430
1923.....	174,941	62,655	73,762	6,338	4,804	2,098	4,875	11,565	7,945
1924.....	182,948	61,449	79,902	7,285	5,085	3,406	4,422	9,758	11,643
1925.....	210,860	67,250	91,886	5,806	5,200	3,713	3,561	20,210	13,153
1926.....	238,426	78,219	94,061	5,605	6,740	2,728	3,431	30,233	11,511
1927.....	263,850	63,355	128,563	5,862	7,663	2,727	4,779	31,530	19,341
1928.....	277,932	59,302	155,331	8,423	8,040	2,358	3,385	24,253	16,890
Boston:									
1926.....	167,318	41,101	81,863	4,674	3,104	1,432	2,067	23,489	8,688
1927.....	194,941	40,310	109,840	4,779	3,262	1,680	3,320	20,444	10,346
1928.....	218,388	39,050	136,840	6,590	3,087	1,573	3,316	15,305	11,721
GloUCESTER:									
1926.....	64,901	32,863	6,150	192	2,850	400	15	10,791	1,566
1927.....	62,562	20,249	11,313	228	3,642	360	43	10,554	6,163
1928.....	41,004	16,090	9,659	392	4,026	350	4	8,212	3,150
Portland:									
1926.....	10,208	4,254	6,048	639	777	820	440	1,953	1,258
1927.....	16,357	2,706	7,420	855	815	691	416	532	2,832
1928.....	17,600	3,256	8,832	1,441	861	480	65	736	2,019
Value in thousands and tenths of thousands of dollars									
All three ports:									
1915.....	4,737.9	1,273.0	1,307.8	282.5	253.3	98.4	323.3	614.1	586.7
1918.....	10,531.5	3,417.2	3,190.3	273.1	962.1	103.0	302.3	1,188.9	885.7
1919.....	7,548.4	2,583.2	2,793.9	181.1	380.5	62.2	387.2	647.2	613.1
1920.....	8,227.0	2,637.0	2,740.1	153.9	262.1	48.1	741.8	763.1	880.3
1921.....	5,722.6	1,730.8	2,046.2	160.6	164.6	37.8	803.1	335.6	494.0
1922.....	5,455.9	1,635.3	1,809.4	111.3	118.0	34.6	784.1	276.0	996.8
1923.....	7,051.2	2,184.1	2,423.2	142.4	152.2	61.7	922.7	487.0	977.3
1924.....	6,968.0	2,138.3	2,308.6	180.1	159.4	68.1	789.6	541.0	801.0
1925.....	8,115.6	2,321.2	2,747.7	173.7	147.6	84.6	655.2	1,101.0	794.4
1926.....	9,057.7	2,047.5	3,082.9	146.2	153.7	69.6	671.2	1,406.0	880.1
1927.....	9,404.5	2,144.6	3,531.7	156.5	171.8	71.4	839.9	1,295.0	1,191.0
1928.....	10,840.1	2,108.7	5,036.5	221.7	174.4	62.7	609.0	1,355.9	1,190.2
Boston:									
1926.....	7,002.6	1,615.9	2,828.3	125.5	85.8	38.7	584.7	973.1	750.7
1927.....	7,371.5	1,458.9	3,149.1	131.3	86.1	44.9	764.1	863.2	874.0
1928.....	8,806.1	1,506.0	4,574.0	182.0	83.6	43.5	597.0	874.2	946.0
GloUCESTER:									
1926.....	1,479.3	897.5	83.5	2.8	54.3	6.5	3.2	374.3	56.9
1927.....	1,468.9	574.5	188.0	3.3	72.3	4.9	3.5	417.0	230.5
1928.....	1,477.7	567.4	222.8	7.1	76.0	4.8	0.6	446.8	152.1
Portland:									
1926.....	575.8	134.0	171.1	18.0	13.6	24.4	82.9	59.1	72.6
1927.....	539.0	113.0	194.7	22.0	13.5	21.6	72.4	15.4	86.6
1928.....	565.3	125.3	239.7	32.6	14.8	14.4	11.4	34.0	92.1

No. 715.—CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA: VALUE

NOTE.—Values in thousands of dollars. See also census statistics of fish canning, Tables 602 and 707

Product	1921	1922	1923	1924	1925	1926	1927	1928
Total values.....	54,987	71,842	65,161	82,468	65,177	66,326	64,177	110,753
Salmon.....	28,867	38,421	45,534	42,403	47,370	56,219	45,729	54,638
California sardines.....	2,346	3,361	4,008	5,446	6,381	7,807	9,269	9,659
Maine and Massachusetts sardines.....	3,961	5,750	5,289	7,191	6,717	6,727	5,249	8,076
Tuna and tunalike fishes.....	3,086	4,373	6,915	5,757	8,499	5,282	8,368	8,374
Shrimps and crabs.....	3,921	3,168	4,429	4,645	3,835	4,147	5,348	5,229
Clams.....	1,167	1,716	1,711	2,101	1,850	2,005	2,745	2,624
Oysters.....	2,179	2,424	2,720	2,478	3,721	2,027	2,368	2,761
Miscellaneous canned products.....	1,039	1,180	1,119	2,085	2,201	1,978	2,308	4,514
Menhaden—meal, scrap, and oil.....	4,006	6,127	6,411	3,310	5,623	3,442	3,690	3,440
Miscellaneous by-products.....	4,415	6,322	6,415	6,983	8,978	8,691	9,103	11,441

Source of Tables 714 and 715: Bureau of Fisheries, Department of Commerce.

No. 716.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

[Quantity in thousands and tenths of thousands of 48-pound cases, value in thousands and tenths of thousands of dollars]

Species	Quantity				Value			
	Total	Wash- ington	Oregon and Calif- ornia	Alaska	Total	Wash- ington	Oregon and Calif- ornia	Alaska
Total, all species:								
1922	5,234.9	441.7	291.0	4,501.7	38,420.7	4,823.1	3,810.5	29,787.2
1923	6,403.0	975.8	391.5	5,035.7	45,533.6	7,533.4	5,127.1	32,873.0
1924	6,253.0	542.0	416.7	5,294.9	42,401.6	5,062.1	4,332.4	33,007.1
1925	6,018.6	1,132.5	426.2	4,459.9	47,369.5	10,079.5	5,300.4	31,989.5
1926	7,488.6	489.6	346.2	6,652.9	56,219.3	5,428.3	4,711.0	46,080.0
1927	5,076.0	1,091.0	413.5	3,572.1	45,728.8	10,168.2	5,554.3	30,016.3
1928	6,920.8	497.4	345.5	6,083.9	54,638.1	5,024.0	4,230.2	45,383.9
Coho or silver:								
1926	430.7	152.6	75.5	202.5	3,024.1	1,450.8	772.7	1,700.6
1927	463.6	136.7	73.8	253.1	4,366.7	1,390.2	822.5	2,154.0
1928	450.8	110.0	42.1	298.7	3,470.1	937.3	407.5	2,125.3
Chum or keta:								
1926	1,051.2	133.2	15.0	902.4	5,277.8	678.0	80.9	4,518.9
1927	1,444.0	88.7	50.7	1,302.6	5,524.3	524.3	327.8	2,777.5
1928	1,305.3	193.4	116.2	995.7	7,016.9	1,178.4	702.0	6,086.5
Humpback or pink:								
1926	3,341.0	2.6		3,338.3	18,007.1	19.6		17,987.5
1927	2,007.4	586.6		1,420.8	12,204.5	3,865.8		8,338.7
1928	2,793.3	6.1		2,787.2	18,331.0	45.5		18,285.5
King, chinook, or spring:								
1926	402.1	131.0	218.0	52.5	5,825.7	1,973.7	3,307.7	544.2
1927	475.7	151.1	254.2	70.4	6,084.0	2,185.3	4,007.1	791.6
1928	337.0	110.6	172.2	54.2	5,248.1	1,748.0	2,897.3	602.8
Red or sockeye:								
1926	2,232.8	62.8	12.9	2,157.1	22,803.5	1,216.6	258.1	21,328.7
1927	1,444.0	119.8	4.0	1,320.2	18,124.9	2,089.5	80.9	15,954.5
1928	2,021.3	70.2	3.0	1,948.1	19,409.6	1,015.2	60.6	18,333.8
Steelhead:								
1926	30.9	7.4	22.6		351.2	80.6	291.6	
1927	32.8	8.1	24.7		419.1	103.2	315.9	
1928	19.1	7.1	12.0		262.4	99.6	162.8	

Source: Bureau of Fisheries, Department of Commerce.

No. 717.—ALASKA FISHERY INDUSTRIES: SUMMARY OF PRODUCTS

Product	Unit	Quantity in thousands of unit specified					Value in thousands of dollars				
		1915	1920	1925	1927	1928	1915	1920	1925	1927	1928
Total							21,006	41,492	40,039	40,163	54,553
Salmon:											
Canned	Case	4,500	4,429	4,460	3,572	6,084	18,663	35,603	31,990	30,016	45,384
Fresh and frozen	Pound	3,137	5,105	5,193	5,411	7,853	219	424	305	722	702
Cured, all forms	do	4,929	3,067	6,895	8,895	7,071	341	510	1,297	1,782	1,341
By-products	do	1,922	2,071	1,738	1,170	1,740	40	105	60	41	61
Halibut, fresh and frozen	do	15,718	15,295	10,972	34,491	31,822	812	1,727	884	3,805	3,102
Herring:											
Fresh and frozen	do					542					8
Cured for food	do	7,195	3,582	35,371	14,762	16,872	114	542	2,323	1,464	1,354
Bait	do		4,085	7,087	8,042	6,553		41	39	82	63
By-products	do	2,213	11,180	34,806	29,735	69,081	41	720	1,490	1,805	1,673
Cod	do	14,106	12,704	2,854	1,295	578	390	1,117	129	52	29
Sablefish	do	143	584	1,043	1,336	293	4	29	45	77	12
Other fish	do	148	110	142	105	80	10	14	10	9	9
Shrimps	do		112	520	492	504		49	207	197	202
Crabs	do		14	8	206	110		2	53	40	52
Clams	do		222	2,060	635	367		47	492	147	107
Whales:											
Oil	do	7,337	8,317	7,224	8,373	6,183	333	436	556	548	380
Fertilizer	do	2,990	3,190	2,444	3,026	2,652	48	120	57	71	74
All other	do		18	797	77			6	12	3	

Source: Bureau of Fisheries, Department of Commerce.

No. 718.—CANNED SALMON: OUTPUT AND PRICES OF ALASKA PRODUCT

Yearly average or year	Total value of pack (thousands of dollars)	Output, equivalent in thousands of cases of forty-eight 1-pound cans					Average price in dollars per case of forty-eight 1-pound cans					
		Total	Coho or silver	Chum or keta	Hump-back or pink	King or spring	Red or sock-eye	Coho or silver	Chum or keta	Hump-back or pink	King or spring	Red or sock-eye
1910-1914	14,885	3,423	129	439	1,040	42	1,771	4.85	2.94	3.14	5.25	5.44
1915	18,653	4,500	124	480	1,876	88	1,932	4.31	2.59	2.78	4.63	5.82
1916	23,269	4,901	261	724	1,738	66	2,111	5.34	3.34	3.64	5.30	6.04
1917	46,304	5,947	103	907	2,297	62	2,488	8.76	6.14	6.44	10.40	9.48
1918	51,042	6,606	219	1,365	2,430	49	2,534	9.15	6.27	6.63	9.85	9.44
1919	43,265	4,584	233	1,366	1,612	96	1,278	11.27	6.82	8.35	13.13	12.08
1920	35,608	4,220	192	1,034	1,693	110	1,501	9.13	4.19	5.47	10.97	13.05
1921	19,633	2,597	107	255	424	45	1,760	5.63	3.68	4.21	10.22	8.96
1922	20,787	4,502	176	569	1,658	31	2,071	5.47	3.98	4.34	8.08	9.24
1923	32,873	5,036	164	526	2,448	38	1,859	5.74	4.65	4.86	8.56	9.24
1924	33,007	5,205	184	1,028	2,001	34	1,448	6.83	4.08	4.93	8.80	9.53
1925	31,990	4,460	161	1,079	2,111	50	1,060	9.72	4.44	5.28	11.91	13.12
1926	46,080	6,663	203	902	3,338	62	2,167	8.40	5.01	5.39	10.37	9.80
1927	30,016	3,572	253	508	1,421	70	1,320	8.51	5.47	6.37	11.25	12.08
1928	45,384	6,084	299	996	2,787	54	1,948	7.12	6.00	6.60	11.13	9.41

No. 719.—FISH PROPAGATION: OUTPUT OF FISH EGGS, FRY, AND FINGERLINGS, BY UNITED STATES BUREAU OF FISHERIES, YEARS ENDED JUNE 30

[All quantities expressed in thousands]

Year	Total	Eggs	Fry	Fingerlings	Cost per million ¹
1895	619,910	55,408	561,894	2,613	\$202.64
1900	1,164,337	88,682	1,070,767	4,898	250.00
1915	4,288,758	536,260	3,694,282	58,216	131.55
1917	5,158,963	318,930	4,767,909	82,115	114.46
1918	4,098,105	147,048	3,782,002	168,065	147.98
1919	5,876,985	1,177,871	4,547,340	151,774	106.67
1920	4,770,356	650,749	3,872,218	267,388	130.11
1921	4,962,489	1,100,637	3,626,263	225,590	128.06
1922	5,125,101	1,068,081	3,716,638	339,432	120.36
1923	4,314,850	1,403,730	2,586,812	264,316	143.30
1924	5,361,811	1,237,582	3,803,848	200,381	115.25
1925	5,301,862	1,050,393	4,114,514	136,954	135.01
1926	5,232,240	737,135	4,195,939	299,160	142.50
1927	6,481,073	1,523,468	4,707,113	190,602	116.30
1928	7,036,317	2,253,244	4,521,430	261,634	119.37

Species	1928			Species	1928		
	Eggs	Fry	Fingerlings		Eggs	Fry	Fingerlings
Catfish	—	—	87,182	Brook trout	2,100	2,860	14,413
Buffalo fish	29,150	5,892	2,321	Grayling	—	725	—
Carp	29,250	5,500	3,940	Fike and pickerel	210	—	2,364
Shad	—	48,031	—	Mackerel	—	5,212	—
Glut herring	—	55,000	—	Crappie	—	—	23,482
Whitefish	20	117,188	—	Large-mouth black bass	—	954	1,035
Cisco	8,000	89,125	—	Small-mouth black bass	—	598	120
Chinook salmon	19,033	343	38,532	Rock bass	—	—	111
Chum salmon	3,000	20,669	—	Sunfish	—	—	32,829
Silver salmon	1,025	10,852	2,074	Pike perch	56,210	201,170	—
Sokeeye salmon	4,410	13,562	10,102	Yellow perch	—	175,825	1,560
Humpback salmon	—	2,387	—	Striped bass	—	7,231	—
Steelhead salmon	1,300	1,183	2,180	Fresh-water drum	—	—	272
Atlantic salmon	350	—	1,202	Cod	1,914,735	600,251	—
Landlocked salmon	78	—	326	Haddock	143,885	118,658	—
Rainbow trout	6,166	710	6,906	Pollock	—	138,373	—
Black-spotted trout	7,156	175	7,214	Winter flounder	11,357	2,806,223	—
Loch Leven trout	8,200	1,726	1,845	Miscellaneous fishes	—	—	56,834
Lake trout	7,364	28,490	1,825	—	—	—	—

¹ Includes all expenditures chargeable to fish culture and distribution and salaries of all employees in the fish-cultural field services and the administrative and clerical force in Washington, D. C.

Sources of Tables 718 and 719: Bureau of Fisheries, Department of Commerce.

31.—MINING AND MINERAL PRODUCTS

[Data in this section cover the following areas unless otherwise indicated: Bureau of Census and American Iron and Steel Institute statistics, continental United States; Bureau of Mines production statistics, continental United States, and, for leading products, outlying areas; foreign trade statistics, United States customs area, which includes Alaska, Hawaii, and Porto Rico. Index numbers of mineral production are shown in Table 800, p. 822]

No. 720.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

NOTE.—All figures in millions of dollars. See general note above

Yearly average or year	Total	Metallic	Non-metallic	Un-specified	Year	Total	Metallic	Non-metallic	Un-specified
1881-1885	420	191	229	6	1911	1,924	681	1,243	(1)
1886-1890	541	248	292	1	1912	2,238	862	1,375	(1)
1891-1895	592	244	347	1	1913	2,434	879	1,554	(1)
1896-1900	828	366	461	1	1914	2,111	687	1,424	(1)
1901-1905	1,392	578	813	1	1915	2,395	992	1,400	2
1906-1910	1,887	769	1,118	(1)	1916	3,508	1,021	1,884	3
1911-1915	2,220	820	1,400	1	1917	4,992	2,086	2,900	6
1916-1920	5,124	1,796	3,322	5	1918	5,541	2,153	3,381	7
1921-1925	5,155	1,163	3,998	5	1919	4,596	1,360	3,233	3
1901	1,155	493	661	1	1920	6,981	1,762	5,214	5
1902	1,329	605	722	1	1921	4,139	654	3,483	3
1903	1,495	589	906	1	1922	4,647	987	3,656	4
1904	1,369	501	858	(1)	1923	5,987	1,511	4,472	4
1905	1,624	703	921	(1)	1924	5,306	1,282	4,026	6
1906	1,901	836	1,015	(1)	1925	5,678	1,380	4,291	6
1907	2,070	904	1,165	(1)	1926	6,214	1,403	4,803	8
1908	1,592	551	1,041	(1)	1927	5,530	1,218	4,304	8
1909	1,887	755	1,132	(1)	1928	5,400	1,282	4,100	9
1910	1,988	750	1,238	(1)					

¹ Less than \$500,000.

Source: Bureau of Mines, Department of Commerce.

No. 721.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask) and platinum (dollars per ounce)]

Year	Copper, electrolytic (New York)	Lead (New York)	Tin ¹ (New York)	Zinc (St. Louis)	Aluminum (New York)	Antimony (New York)	Quicksilver (New York)	Platinum (New York)
1896-1900	³ 13.41	3.84	19.54	⁴ 4.55	37.15	8.204	42.17	⁵ 16.66
1901-1905	13.877	4.330	28.194	⁶ 5.284	33.80	7.398	43.17	19.55
1906	19.278	5.657	39.819	6.048	35.75	21.730	40.90	28.04
1907	20.004	5.325	38.166	5.812	45.00	14.840	41.50	30.98
1908	13.208	4.200	29.465	4.678	28.70	8.004	44.84	16.32
1909	12.982	4.273	29.725	5.352	23.18	7.466	46.30	24.87
1910	12.738	4.446	34.123	5.370	22.97	7.389	47.06	32.70
1911	12.376	4.420	42.281	5.608	20.34	7.540	46.54	43.12
1912	16.341	4.471	46.096	6.799	22.52	7.760	42.46	45.55
1913	15.269	4.370	44.252	6.504	23.03	7.520	39.54	44.88
1914	13.602	3.862	34.301	5.061	18.60	8.763	48.31	45.14
1915	17.275	4.673	38.590	13.054	34.13	30.280	37.01	47.13
1916	27.202	6.858	43.480	12.634	30.73	25.370	125.49	83.40
1917	27.180	8.787	61.802	8.790	51.25	20.690	106.30	102.82
1918	⁷ 24.628	7.413	(⁸)	7.890	33.60	12.581	123.47	105.95
1919	18.691	5.760	63.328	6.988	32.14	8.190	92.15	114.01
1920	17.456	7.957	48.273	7.071	30.61	8.485	81.12	110.90
1921	12.502	4.545	28.576	4.655	21.21	4.957	45.46	75.03
1922	18.382	5.734	31.831	5.716	18.68	5.471	58.95	97.62
1923	14.421	7.267	41.700	6.307	25.41	7.897	60.50	116.54
1924	13.024	8.097	49.674	6.444	27.03	10.836	60.78	118.82
1925	14.042	9.020	56.790	7.022	27.19	17.494	83.13	119.09
1926	13.795	8.417	63.615	7.337	26.99	15.988	91.90	113.27
1927	12.020	6.760	62.747	6.242	25.41	12.393	³ 118.16	84.64
1928	14.570	6.305	(⁹)	6.027	23.90	10.305	123.51	78.58

¹ Flasks of 75 pounds prior to 1923; 76 pounds in 1928.

² 99 per cent tin.

³ Prices 1895 to 1898 are for Lake copper.

⁴ Data are for New York zinc.

⁵ Average for 1899 and 1900 only.

Source: Review Number and Year Book, Engineering and Mining Journal-Press, except aluminum beginning 1909, which is from the American Metal Market.

⁶ Average, 1903-1905; average for New York zinc, 1901-1905, 5.058 cents.

⁷ Average of 11 months, no quotations being made in December.

⁸ No average computed.

No. 722.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING:
PRINCIPAL STATISTICS, 1919

	Total	Continental United States	Alaska	Hawaii	Porto Rico
Number of enterprises.....	22,361	21,997	346	5	13
Number of mines and quarries.....	14,802	14,417	367	5	13
Number of petroleum and natural gas wells.....	257,681	257,673	8		
Number of natural-gas gasoline plants.....	1,115	1,115			
Persons engaged, total.....	1,088,444	1,084,796	3,267	155	226
Proprietors and firm members, total.....	22,769	22,155	593	4	17
Salaried employees.....	75,688	75,457	199	6	26
Wage earners (average number).....	989,987	987,184	2,475	145	183
Power used (aggregate horsepower).....	6,816,814	6,786,475	20,979	325	35
Capital.....	\$7,225,446,992	\$7,108,623,496	\$116,626,441	\$112,882	\$84,173
Principal expenses.....	2,556,682,424	2,545,925,350	10,493,020	171,850	92,204
Salaries.....	151,820,043	151,272,451	533,076	5,533	9,533
Wages.....	1,309,565,597	1,304,409,342	5,010,811	89,365	56,270
Supplies and materials.....	531,688,470	528,853,639	2,789,755	34,423	10,653
Cost of ore, coal, and natural gas purchased as material or for resale.....	35,905,352	35,905,352			
Fuel and purchased power.....	124,010,053	123,509,689	1,080,348	14,560	5,567
Royalties and rents.....	176,478,995	176,129,858	314,006	26,282	8,789
Taxes.....	141,878,154	141,567,734	307,390	1,687	1,343
Contract work.....	82,696,872	82,239,098	457,774		
Value of products.....	3,174,507,462	3,158,463,966	15,634,801	250,538	158,187

Source: Bureau of the Census, Department of Commerce.

No. 723.—PRODUCING MINES AND QUARRIES: PRINCIPAL STATISTICS,
CONTINENTAL UNITED STATES

	1889	1902	1909	1919	Per cent of increase 1909-1919
Number of enterprises.....	(1)	46,858	21,268	21,280	0.1
Number of mines and quarries.....	22,084	17,030	18,164	13,844	-23.8
Number of petroleum and natural-gas wells.....	37,410	123,200	166,320	257,673	54.9
Number of natural-gas gasoline plants.....				1,115	
Persons engaged.....			1,041,689	1,077,675	3.5
Proprietors and firm members, total.....	(2)	(2)	29,922	21,918	-29.7
Number performing manual labor.....	(2)	(2)	5,801	5,245	-10.8
Salaried employees.....	6,541	38,128	44,127	74,197	68.1
Wage earners (average number).....	536,043	581,728	967,633	981,560	1.4
Wage earners, Dec. 15, or nearest representative day, total.....	\$ 536,043	\$ 581,728	1,065,283	1,088,189	2.2
Above ground.....	244,127	221,505	369,962	382,766	4.3
Below ground.....	291,916	360,223	695,321	705,423	1.0
Power used (aggregate horsepower).....	(3)	2,867,562	4,608,293	6,723,793	45.9
Capital.....	\$1,310,535,318	(3)	\$3,380,525,841	\$6,955,469,331	106.8
Principal expenses:					
Salaries.....	5,520,600	\$39,020,552	53,393,551	149,328,085	170.7
Wages.....	222,041,887	309,959,960	569,774,079	1,295,030,220	103.8
Supplies and materials.....	80,075,925	\$ 123,814,997	173,411,438	519,593,670	199.6
Cost of ore, coal, and natural gas purchased as material or for resale.....			20,818,316	35,905,352	22.5
Fuel and purchased power.....	(4)	(4)	45,136,550	122,105,930	170.5
Royalties and rents.....	(4)	34,580,713	63,973,835	175,203,984	174.0
Taxes.....	(4)	(4)	17,790,703	140,099,026	692.3
Contract work.....	(4)	20,677,938	28,887,895	79,830,177	174.8
Value of products.....	438,111,548	796,826,417	1,235,410,322	3,158,463,966	155.0

1 A minus sign (—) denotes decrease.

2 Not reported.

3 A average number.

4 Comparable figures not available.

5 Includes cost of fuel.

Source: Bureau of the Census, Department of Commerce.

No. 724.—PRODUCING MINES AND QUARRIES: SIZE OF ENTERPRISES, CONTINENTAL UNITED STATES, 1919

Industry and value of products per enterprise	Number of enterprises	Value of products		Industry and wage earners per enterprise	Enterprises		Wage earners	
		Amount	Per cent		Number	Per cent	Average number	Per cent
All industries	21,280	\$3,158,463,966	100.0	All industries	21,280	100.0	981,560	100.0
Less than \$5,000.....	6,686	16,228,604	0.5	No wage earners.....	3,722	17.5	---	---
\$5,000 to \$20,000.....	5,639	58,745,473	1.9	1 to 5.....	7,012	37.2	16,761	1.7
\$20,000 to \$100,000.....	4,990	237,600,990	7.5	6 to 20.....	3,948	18.6	44,506	4.5
\$100,000 to \$500,000.....	3,005	686,788,422	21.7	21 to 50.....	2,309	10.9	76,040	7.7
\$500,000 to \$1,000,000.....	684	472,131,636	14.9	51 to 100.....	1,372	6.4	98,621	10.0
\$1,000,000 to \$5,000,000.....	392	754,160,595	23.9	101 to 500.....	1,743	8.2	377,339	38.4
\$5,000,000 and over.....	84	933,808,240	29.0	501 to 1,000.....	182	0.9	125,278	12.8
				Over 1,000.....	92	0.4	243,015	24.8
Anthracite coal	254	364,084,142	100.0	Anthracite coal	254	100.0	147,372	100.0
Less than \$5,000.....	37	89,977	(¹)	No wage earners.....	2	0.8	---	---
\$5,000 to \$20,000.....	38	440,045	0.1	1 to 5.....	62	24.4	139	0.1
\$20,000 to \$100,000.....	43	1,843,631	0.5	6 to 20.....	39	15.4	460	0.3
\$100,000 to \$500,000.....	39	10,076,964	2.8	21 to 50.....	20	7.9	629	0.4
\$500,000 to \$1,000,000.....	32	24,276,640	6.7	51 to 100.....	13	5.1	981	0.7
\$1,000,000 to \$5,000,000.....	48	83,080,309	22.8	101 to 500.....	63	24.8	18,240	12.4
\$5,000,000 and over.....	17	244,270,547	67.1	501 to 1,000.....	33	13.0	21,804	14.8
				Over 1,000.....	22	8.7	105,110	71.3
Bituminous coal	6,686	1,145,977,585	100.0	Bituminous coal	6,686	100.0	545,798	100.0
Less than \$5,000.....	818	2,711,023	0.2	No wage earners.....	62	0.9	---	---
\$5,000 to \$20,000.....	1,618	17,614,491	1.5	1 to 5.....	1,512	22.8	4,337	0.8
\$20,000 to \$100,000.....	2,006	100,379,635	8.8	6 to 20.....	1,549	23.3	18,074	3.3
\$100,000 to \$500,000.....	1,651	386,075,398	33.7	21 to 50.....	1,238	18.7	41,009	7.5
\$500,000 to \$1,000,000.....	377	257,190,333	22.4	51 to 100.....	888	13.4	64,355	11.8
\$1,000,000 to \$5,000,000.....	156	289,392,884	25.3	101 to 500.....	1,241	18.7	259,288	47.5
\$5,000,000 and over.....	10	92,008,301	8.1	501 to 1,000.....	101	1.5	68,737	12.6
				Over 1,000.....	45	0.7	89,008	16.5
Petroleum and natural gas	9,814	931,793,423	100.0	Petroleum and natural gas	9,814	100.0	93,205	100.0
Less than \$5,000.....	4,348	9,531,235	1.0	No wage earners.....	3,292	33.5	---	---
\$5,000 to \$20,000.....	2,797	28,919,504	3.1	1 to 5.....	4,625	50.2	8,852	9.5
\$20,000 to \$100,000.....	1,696	75,785,417	8.1	6 to 20.....	1,634	10.5	11,036	11.8
\$100,000 to \$500,000.....	684	150,748,376	16.2	21 to 50.....	296	3.0	9,874	10.6
\$500,000 to \$1,000,000.....	156	109,951,280	11.8	51 to 100.....	183	1.4	9,592	10.3
\$1,000,000 to \$5,000,000.....	66	204,187,367	21.9	101 to 500.....	102	1.0	21,978	23.6
\$5,000,000 and over.....	37	352,070,184	37.8	501 to 1,000.....	24	0.2	17,358	18.6
				Over 1,000.....	8	0.1	14,515	15.6
Iron ore	290	218,217,905	100.0	Iron ore	290	100.0	45,741	100.0
Less than \$5,000.....	15	36,040	(¹)	No wage earners.....	5	1.7	---	---
\$5,000 to \$20,000.....	29	392,775	0.2	1 to 5.....	21	7.2	63	0.1
\$20,000 to \$100,000.....	69	3,774,321	1.7	6 to 20.....	43	14.8	574	1.3
\$100,000 to \$500,000.....	98	26,543,784	12.1	21 to 50.....	57	19.7	2,180	4.8
\$500,000 to \$1,000,000.....	41	28,239,920	12.9	51 to 100.....	54	18.6	3,822	8.4
\$1,000,000 to \$5,000,000.....	35	63,074,560	29.2	101 to 500.....	102	35.2	31,032	67.8
\$5,000,000 and over.....	3	95,646,505	43.8	501 to 1,000.....	7	2.4	5,535	12.5
				Over 1,000.....	1	0.3	2,635	6.1

¹ Less than one-tenth of 1 per cent.

No. 725.—MINES AND QUARRIES: HOURS OF LABOR IN CONTINENTAL UNITED STATES, 1919

Industry	Total wage earners	Wage earners in mines where the prevailing hours of labor per week were—					
		35 and under	36 to 43	44 to 53	54 to 62	63 to 71	72 to 84
All industries	981,560	17,755	10,856	721,899	182,126	26,841	13,083
Coal:							
Anthracite.....	147,372	---	315	145,787	807	442	21
Bituminous.....	545,798	15,978	17,163	485,874	25,222	1,841	20
Petroleum and natural gas	93,205	1,295	327	13,227	44,068	21,726	12,562
Iron ore	45,741	11	219	20,311	24,637	563	---
Copper.....	43,717	---	7	21,150	21,160	1,394	---
Limestone.....	22,069	57	24	3,774	17,934	280	---
Lead and zinc.....	21,884	115	---	15,082	6,084	---	3
Gold and silver; lode mines.....	15,436	---	3	3,595	11,580	251	1
Gold, placer mines.....	1,380	---	---	62	1,243	72	3
Granite.....	8,049	43	1,105	4,829	1,948	34	---
Clay.....	5,463	27	33	2,351	3,033	4	5
Phosphate rock.....	4,373	5	30	309	3,683	---	346
Sandstone.....	4,287	---	8	483	3,688	108	---
Slate.....	3,513	---	335	963	2,170	45	---
Basalt.....	3,336	20	3	728	2,585	---	---
Gypsum.....	2,191	---	---	830	1,317	43	---
Marble.....	1,732	---	---	50	1,667	15	---
Sulphur.....	1,129	---	---	---	1,129	---	---
All other.....	10,895	204	193	2,794	7,559	23	122

Source of Tables 724 and 725: Bureau of the Census, Department of Commerce.

No. 726.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES,
CONTINENTAL UNITED STATES

Industry	Number of enterprises ¹		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
	1909	1919	1909	1919	1909	1919	1909	1919	1909	1919
							Expressed in thousands of dollars			
All industries ²	19, 916	21, 280	967, 633	981, 560	4, 008, 253	6, 723, 786	556, 774	1, 295, 936	1, 238, 410	3, 168, 404
FUELS										
Coal:										
Anthracite.....	192	254	169, 367	147, 372	676, 753	899, 783	92, 318	210, 280	140, 180	364, 084
Bituminous.....	3, 503	6, 630	511, 723	545, 798	1, 227, 401	2, 155, 412	264, 190	682, 601	427, 962	1, 145, 978
Petroleum and natural gas.....	7, 793	9, 814	36, 744	93, 205	1, 221, 909	1, 821, 342	27, 002	134, 521	185, 417	931, 793
METALS										
Iron ore.....	176	290	47, 240	45, 741	346, 534	370, 869	20, 731	75, 713	106, 947	218, 218
Copper.....	161	195	51, 043	43, 717	376, 404	523, 591	40, 383	60, 390	134, 617	181, 258
Gold and silver:										
Lode mines.....	1, 604	740	29, 428	15, 436	200, 906	149, 630	30, 868	23, 818	83, 886	58, 832
Placer mines.....	678	112	3, 084	1, 380	27, 278	35, 632	2, 670	1, 914	10, 237	9, 369
Lead and zinc.....	977	432	16, 807	21, 884	110, 559	229, 541	10, 478	30, 708	31, 363	75, 579
Manganese.....	5	35	00	909	215	5, 800	12	1, 086	31	2, 188
Quicksilver.....	12	26	544	748	784	2, 607	408	828	868	1, 803
Rare metals.....	26	22	531	633	3, 237	3, 544	(³)	748	9, 688	1, 726
STONE										
Limestone.....	1, 065	895	30, 289	22, 069	125, 024	213, 717	14, 082	23, 926	29, 832	52, 044
Granite.....	707	358	18, 744	8, 049	61, 095	55, 674	11, 112	8, 588	18, 908	18, 270
Sandstone.....	1, 183	255	9, 812	4, 287	36, 550	33, 869	4, 761	4, 449	9, 291	10, 685
Basalt.....	196	163	5, 256	3, 330	20, 211	37, 307	2, 639	3, 091	5, 578	9, 658
Slate.....	185	101	8, 303	3, 513	29, 777	20, 613	4, 089	3, 123	6, 054	5, 721
Marble.....	77	48	6, 166	1, 732	21, 779	15, 628	3, 079	1, 452	6, 239	4, 398
MISCELLANEOUS										
Abrasive materials.....	49	34	403	317	1, 344	1, 748	(³)	322	-----	722
Asbestos.....	5	10	54	146	380	420	31	92	65	250
Asphalt.....	12	9	205	324	828	648	120	295	460	750
Barytes.....	23	89	240	919	262	3, 029	90	769	225	1, 592
Bauxite.....	10	10	563	738	1, 565	2, 507	198	942	671	2, 190
Clay.....	261	345	3, 262	5, 463	8, 868	21, 243	1, 362	5, 367	2, 946	10, 086
Feldspar.....	22	30	247	349	993	1, 782	107	264	271	584
Fluorspar.....	13	54	290	1, 124	1, 170	7, 138	168	1, 196	289	3, 335
Fuller's earth.....	16	9	327	324	1, 730	2, 538	119	541	316	2, 019
Graphite.....	19	21	294	419	2, 647	6, 410	160	342	344	869
Gypsum.....	78	47	3, 432	2, 161	17, 685	15, 032	1, 821	2, 478	5, 813	6, 806
Magnesite.....	6	11	50	448	126	2, 540	32	652	68	2, 177
Mica.....	73	65	272	448	463	803	125	288	207	605
Millstones.....	14	11	51	37	-----	220	17	48	34	61
Mineral pigments.....	23	23	151	185	849	1, 630	44	174	151	480
Phosphate rock.....	51	48	7, 873	4, 373	50, 526	49, 639	3, 216	3, 901	10, 781	10, 300
Pyrite.....	11	17	1, 086	1, 172	5, 758	7, 338	408	1, 385	677	2, 409
Silica.....	14	24	158	166	1, 219	2, 032	82	106	231	372
Sulphur.....	4	4	866	1, 129	3, 114	15, 291	325	1, 682	4, 432	17, 936
Talc and soapstone.....	39	28	1, 256	958	9, 433	7, 083	504	835	1, 175	2, 302

¹ Operators, not enterprises, in 1909.

² The totals for all industries include, besides those specified, statistics for the chromite industry in 1919 and for the borax, chromite, grindstone, marl, monazite and zircon, pent, and precious stones industries in 1909, for which comparable figures could not be given. The value of products of these industries did not exceed one-tenth of 1 per cent of the total for all industries in either year.

³ Figures not available.

Source: Bureau of the Census, Department of Commerce.

No. 727.—PRODUCING MINES AND QUARRIES: SUMMARY BY STATES

Division and State	Number of enterprises ¹		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
	1909	1919 ²	1909	1919	1909	1919	1909	1919	1909	1919
							Expressed in thousands of dollars			
Continental United States.	10, 916	21, 280	987, 633	981, 560	4, 608, 253	6, 723, 766	586, 774	1, 295, 636	1, 238, 410	3, 168, 464
New England	610	302	17, 048	7, 213	61, 259	62, 760	9, 814	8, 036	17, 328	18, 723
Maine.....	97	50	2, 144	979	8, 141	0, 277	1, 332	1, 052	2, 056	1, 823
New Hampshire.....	45	30	1, 418	852	3, 771	4, 336	926	826	1, 309	1, 568
Vermont.....	137	93	3, 145	2, 030	25, 668	28, 119	4, 449	3, 042	8, 221	8, 555
Massachusetts.....	139	74	3, 291	1, 704	15, 031	12, 498	1, 967	2, 069	3, 468	4, 176
Rhode Island.....	21	14	665	369	2, 350	3, 000	410	406	898	952
Connecticut.....	71	41	1, 385	543	0, 298	8, 520	730	647	1, 376	1, 649
Middle Atlantic	6, 333	6, 604	376, 633	334, 175	1, 738, 613	2, 124, 662	204, 992	458, 109	370, 742	583, 891
New York.....	1, 351	700	9, 395	6, 202	101, 759	91, 339	4, 717	7, 497	13, 335	25, 131
New Jersey.....	131	97	6, 315	4, 570	18, 048	33, 901	2, 801	5, 393	8, 347	9, 300
Pennsylvania.....	4, 851	5, 807	361, 013	323, 397	1, 618, 806	1, 990, 422	197, 474	445, 219	349, 060	819, 451
East North Central	4, 152	3, 772	190, 468	190, 011	913, 657	1, 150, 153	118, 673	237, 638	237, 533	430, 432
Ohio.....	1, 876	2, 283	50, 567	49, 298	294, 763	337, 611	26, 769	58, 110	63, 767	134, 518
Indiana.....	1, 010	603	23, 036	26, 751	95, 039	129, 663	14, 783	30, 193	21, 934	52, 840
Illinois.....	915	772	72, 086	70, 123	225, 330	318, 231	46, 379	94, 179	76, 659	178, 673
Michigan.....	83	122	39, 169	31, 292	273, 861	337, 882	27, 661	50, 406	67, 714	103, 870
Wisconsin.....	263	92	4, 710	3, 547	24, 864	26, 766	3, 081	4, 750	7, 459	10, 581
West North Central	2, 300	1, 726	75, 198	62, 253	370, 390	426, 242	50, 566	84, 267	130, 252	230, 111
Minnesota.....	153	135	16, 580	17, 265	151, 834	144, 199	11, 907	29, 333	58, 665	130, 369
Iowa.....	373	198	16, 480	11, 274	23, 453	32, 171	10, 870	12, 466	13, 878	18, 474
Missouri.....	1, 021	468	23, 420	14, 857	109, 672	100, 160	14, 394	16, 777	31, 097	33, 366
North Dakota.....	53	70	562	774	2, 025	2, 037	364	1, 029	505	1, 927
South Dakota.....	39	23	3, 456	1, 785	15, 048	11, 844	3, 225	2, 497	6, 432	5, 314
Nebraska.....	18	9	349	162	815	1, 847	170	166	322	293
Kansas.....	643	814	14, 343	16, 136	66, 943	133, 984	9, 636	21, 949	18, 723	90, 338
South Atlantic	1, 358	2, 281	109, 210	129, 695	536, 648	849, 169	49, 899	149, 298	105, 716	352, 059
Delaware.....	9	7	493	116	1, 480	669	218	136	516	244
Maryland.....	126	126	7, 190	5, 628	18, 118	18, 090	3, 339	6, 152	5, 782	9, 630
Virginia.....	150	202	15, 257	14, 547	34, 030	57, 830	5, 230	16, 108	8, 796	29, 363
West Virginia.....	798	1, 714	73, 410	100, 812	416, 282	704, 279	35, 981	119, 578	76, 288	296, 007
North Carolina.....	118	162	2, 215	1, 800	6, 062	5, 039	863	1, 489	1, 359	2, 737
South Carolina.....	29	20	1, 814	933	7, 012	4, 656	626	680	1, 251	1, 351
Georgia.....	92	74	3, 383	2, 307	10, 698	13, 026	1, 278	2, 017	2, 875	4, 032
Florida.....	36	36	5, 448	3, 372	42, 366	44, 969	2, 351	3, 108	8, 847	8, 976
East South Central	830	1, 465	62, 966	90, 612	179, 650	351, 353	29, 444	98, 768	49, 143	181, 045
Kentucky.....	437	138	18, 297	43, 563	53, 203	148, 893	7, 827	49, 551	12, 100	98, 437
Tennessee.....	216	203	16, 338	14, 470	34, 523	56, 685	7, 359	12, 987	12, 692	23, 292
Alabama.....	177	264	28, 271	32, 579	91, 924	145, 775	14, 258	36, 230	24, 351	50, 866
West South Central	1, 229	2, 821	23, 898	60, 938	149, 602	684, 736	15, 672	86, 445	47, 531	490, 727
Arkansas.....	90	120	4, 935	3, 630	14, 080	21, 368	3, 026	4, 573	4, 604	8, 405
Louisiana-Mississippi ⁴	33	137	926	5, 228	8, 445	86, 135	873	7, 505	6, 547	40, 016
Oklahoma.....	864	1, 034	11, 658	33, 914	95, 074	448, 173	7, 775	46, 809	25, 638	281, 928
Texas.....	236	624	6, 379	18, 164	32, 003	120, 063	3, 998	29, 558	10, 742	160, 378
Mountain	1, 972	1, 568	83, 993	81, 519	497, 184	716, 949	82, 081	131, 192	205, 054	321, 826
Montana.....	373	259	18, 846	16, 129	174, 389	143, 718	21, 361	25, 724	54, 992	49, 624
Idaho.....	174	82	3, 246	2, 455	26, 278	31, 230	4, 046	4, 202	8, 649	11, 840
Wyoming.....	60	196	7, 742	9, 699	30, 338	62, 757	6, 267	14, 576	10, 572	41, 929
Colorado.....	672	477	21, 483	16, 790	98, 777	116, 351	18, 463	25, 405	45, 680	51, 217
New Mexico.....	98	85	5, 107	7, 100	10, 042	50, 876	3, 529	10, 494	5, 588	18, 873
Arizona.....	135	155	12, 838	15, 268	47, 272	166, 091	13, 503	26, 193	34, 218	88, 478
Utah.....	188	141	10, 939	9, 847	47, 220	86, 131	8, 937	17, 197	22, 083	41, 511
Nevada.....	260	203	4, 642	4, 231	26, 862	50, 786	5, 925	7, 401	23, 272	18, 054
Pacific	1, 538	858	28, 281	25, 134	191, 050	357, 675	25, 646	40, 207	75, 111	178, 984
Washington.....	93	83	6, 904	5, 050	20, 742	38, 198	5, 891	7, 466	10, 538	13, 329
Oregon.....	116	50	860	740	8, 070	6, 264	705	993	1, 191	1, 885
California.....	1, 329	725	20, 517	19, 344	162, 238	313, 213	19, 050	31, 748	63, 332	163, 770

¹ Operators, not enterprises, in 1909.² The total for the United States includes, besides the States specified, statistics for the District of Columbia for which no statistics were reported for 1909.³ Exclusive of duplication, 807 operators having reported in two or more States.⁴ For 1909 statistics are for Louisiana only; nothing reported for Mississippi.

Source: Bureau of the Census, Department of Commerce.

No. 728.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES

Note.—Data cover continental United States and, for leading products, outlying areas. Certain of the figures represent shipments rather than quantity mined, and some of the figures for 1928 are estimates. Blank spaces indicate absence of data in most cases; method of computing total value is indicated by footnotes. Short tons are 2,000 pounds; long tons, 2,240 pounds

Product	Quantity						Value in thousands of dollars					
	1910	1915	1920	1925	1927	1928	1910	1915	1920	1925	1927	1928
METALLIC												
Aluminum							8,956	16,280	41,375	36,450	39,266	47,899
Antimonial lead ¹ short tons	14,069	23,224	12,535	19,667	24,347	33,058	1,338	3,668	1,963	3,786	3,277	3,978
Antimony ² do	2,229	5,364	2,785	2,624	2,736	3,432	369	2,374	1,473	918	2,676	2,707
Bauxite long tons	148,932	297,041	521,308	316,540	320,940	375,426	716	1,515	3,247	1,988	1,989	2,274
Cadmium pounds	4,700	31,415	129,233	502,324	1,074,654	1,875,896	3	108	151	277	645	1,144
Chromite long tons	205	3,281	2,532	108	201	660	3	37	45	2	5	15
Copper, ³ sales value, 1,000 pounds	1,080,160	1,388,010	1,209,061	1,684,870	1,684,041	1,825,900	137,180	242,902	222,467	237,832	220,609	262,930
Ferro-alloys long tons	(⁴)	388,644	612,808	616,222	646,749	794,695	(⁵)	17,450	77,519	53,048	55,164	66,578
Gold 1,000 troy ounces	4,657	4,888	2,476	2,412	2,197	2,194	96,269	101,036	51,187	49,860	45,419	45,360
Iron:												
Ore ⁶ 1,000 long tons	56,890	55,493	69,281	63,925	61,232	63,433	⁶ 140,736	⁶ 101,289	⁶ 285,006	⁶ 160,797	⁶ 151,126	⁶ 155,789
Pig do	26,674	30,384	35,710	36,815	34,867	38,304	412,162	401,410	1,140,904	739,316	646,226	661,351
Lead (refined) ³ sales value, short tons	375,402	507,026	476,849	654,921	668,320	626,202	33,055	47,660	76,296	113,956	84,208	72,639
Manganese ore (35 per cent or more Mn.) long tons	2,258	9,613	94,420	98,324	44,741	46,636	23	113	2,396	1,858	1,152	1,213
Manganiferous ore (5 to 35 per cent Mn.) ⁶ long tons	61,101	195,735	767,664	1,448,054	1,451,608	1,177,762	187	817	2,438	3,752	3,947	3,053
Mercury, metal, flasks (75 pounds net)	20,601	21,033	13,392	9,174	11,276	16,838	958	1,805	1,067	763	1,315	2,052
Mercury ore short tons	124,000	159,000	109,000	65,000	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Nickel (value at New York City) do		822	365	272	860	522		538	293	170	391	292
Ores (crude), tailings, etc.:												
Copper 1,000 short tons	28,497	43,404	36,765	53,262	56,826	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Copper-lead and copper-lead zinc do	20	11	27	229	419	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Dry and siliceous (gold and silver) do	9,646	12,687	8,590	8,995	8,550	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Lead do	5,781	7,497	7,200	8,560	8,349	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Lead-zinc do	12,390	18,176	12,383	17,741	14,647	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Zinc do			2,651	3,411	6,823	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Platinum and allied metals (value at New York City) troy ounces	733	8,665	41,544	49,643	46,050	59,039	25	479	4,698	5,662	3,780	4,693
Silver 1,000 troy ounces	57,128	74,961	55,362	66,155	60,434	56,020	30,855	37,397	60,802	45,912	34,266	32,772
Tin (metallic equivalent) short tons		102	22	14	27	46	23	79	22	16	35	46
Titanium ore (ilmenite) do				5,566	3,500	(⁸)				89	44	(⁸)
Titanium ore (rutile) do	566	250	277	46	(⁸)	(⁸)	44	28	(⁸)	11	(⁸)	(⁸)
Tungsten ore (60 per cent concentrate) do	1,821	2,332	216	1,190	1,164	1,208	833	4,100	1,102	756	724	754
Uranium and vanadium ores do			35,076	13,070	(⁸)	(⁸)		694	2,401	331	(⁸)	(⁸)
Zinc, ³ sales value do	252,479	458,135	450,045	555,631	576,960	591,525	27,268	113,617	72,907	84,456	73,851	72,166
Total metallic products (approximate)							749,879	921,730	1,762,350	1,380,280	1,217,700	1,282,600

NONMETALLIC													
Arsenious oxide.....	short tons..	1,437	5,498	11,502	12,817	11,560	11,767	52	302	2,021	1,199	725	785
Asbestos.....	do.....	3,693	1,731	1,648	1,258	2,981	2,239	68	77	678	52	337	351
Asphalt:													
Native.....	do.....												
Oil.....	do.....	260,080	740,254	898,993	584,850	839,040	799,071	3,080	5,242	13,199	4,148	5,606	5,095
Barite (crude).....	do.....	42,975	108,547	228,113	228,063	254,265	289,544	122	381	2,142	1,703	1,671	1,751
Borates.....	do.....	42,357	67,003	120,320	113,700	109,030	131,090	1,202	1,677	2,173	3,086	3,473	4,000
Bromine.....	1,000 pounds..	245	856	1,161	1,566	1,756	2,164	32	856	745	458	565	649
Calcium-magnesium chloride.....	short tons..	10,971	20,835	27,849	67,870	95,721	102,090	75	131	539	1,357	1,943	1,996
Cement.....	1,000 bbls. (370 lbs. net)...	77,785	87,685	97,079	159,047	174,023	177,949	68,752	75,155	195,590	281,076	281,736	278,796
Clay:													
Products.....								166,827	160,080	373,670	423,447	403,363	(13)
Raw.....	1,000 short tons..	2,389	2,363	3,116	4,030	3,849	3,975	\$ 3,625	\$ 3,972	\$ 11,614	\$ 12,737	\$ 13,697	\$ 13,696
Coal:													
Bituminous ¹¹	do.....	417,111	442,624	568,667	520,053	517,763	492,755	469,282	502,033	2,129,933	1,029,402	1,029,657	946,090
Pennsylvania anthracite.....	1,000 long tons..	75,433	79,460	79,998	55,194	71,514	68,513	160,275	184,653	434,252	\$ 327,665	420,942	400,374
Coke ⁶	1,000 short tons..	41,709	41,631	51,345	51,267	51,092	52,639	\$ 99,743	\$ 105,504	\$ 494,246	\$ 262,559	\$ 262,321	(7)
Diatomite and tripoli.....	short tons..		35,304	102,155	102,418	126,099	130,299	130	167	1,649	1,357	1,447	1515
Emery.....	do.....	1,028	3,063	2,327	769	506	1,341	15	31	22	6	6	17
Feldspar (crude).....	long tons..	72,413	93,855	135,551	185,706	202,497	210,811	502	489	851	1,316	1,425	1,419
Fluorspar.....	short tons..	69,427	136,941	186,778	113,669	112,546	140,490	430	764	4,719	2,052	2,035	2,657
Fuller's earth.....	do.....	32,822	47,901	128,487	206,574	264,478	287,012	294	489	2,506	2,924	3,787	3,896
Garnet for abrasive purposes.....	do.....	3,814	4,301	5,476	8,429	6,939	6,617	114	140	434	713	574	459
Gems and precious stones.....								296	170	265	(13)	(13)	(13)
Graphite:													
Amorphous.....	short tons..	1,407	1,181	4,694	3,536	2,595	2,994	40	12	50	40	36	43
Crystalline.....	1,000 pounds..	5,591	7,074	9,632	2,257	5,224	5,233	296	417	576	57	197	254
Grindstones and pulpstones.....	short tons..		53,484	37,340	31,931	33,238	796	648	1,707	1,706	1,555	1,509	1,509
Gypsum.....	1,000 short tons..	2,379	2,448	3,129	5,678	5,347	5,102	6,523	6,597	24,533	47,577	42,174	32,036
Lime.....	do.....	3,508	3,623	4,581	4,415	4,395	4,395	14,088	14,424	37,544	42,609	38,638	36,600
Magnesite (crude).....	short tons..	12,443	30,499	303,767	120,660	121,490	127,200	75	274	2,748	1,433	1,091	1,099
Mica:													
Scrap.....	do.....	4,065	3,959	5,723	9,695	6,280	5,800	53	51	167	174	110	104
Sheet.....	1,000 pounds..	2,476	554	1,683	1,794	1,512	1,620	284	378	547	322	212	259
Millstones.....								28	53	63	22	35	39
Mineral paints:													
Natural pigments ¹⁴	short tons..	68,623	57,442	(14)	(14)	(14)	(14)	528	552	(14)	(14)	(14)	(14)
Zinc and lead pigments ¹⁵	do.....	75,162	141,383	143,244	199,190	191,853	201,495	6,853	14,962	24,565	28,311	25,276	25,893
Mineral waters.....	1,000 gallons..	62,080	52,114	36,218	(14)	(15)	6,358	5,139	4,861	5,139	(15)	(15)	(15)
Natural gas.....	1,000,000 cu. ft..	509,155	628,579	798,210	1,188,571	1,445,428	1,540,000	70,756	101,312	196,194	265,271	317,930	333,000
Natural-gas gasoline.....	1,000 gallons..		65,365	384,744	1,127,470	1,641,144	1,776,000		5,151	71,788	120,383	118,688	135,500
Oilstones, etc.....	short tons..		1,144	970	1,048	956		229	115	232	272	234	228
Peat.....	do.....		42,284	73,204	72,436			140	289	922	453	(13)	(13)
Petroleum.....	1,000 barrels (42 gals.)...	209,557	281,104	442,929	763,743	901,129	900,364	127,900	179,463	1,360,745	1,284,960	1,172,830	1,077,900
Phosphate rock.....	1,000 long tons..	2,655	1,836	4,104	3,482	3,171	3,440	10,917	5,413	25,080	11,546	11,253	12,340
Potash (K ₂ O).....	short tons..		1,090	41,444	25,802	49,500	60,370		342	7,463	1,204	2,448	3,029
Pumice.....	do.....	23,271	27,708	41,838	40,380	53,298	57,430	95	63	114	179	221	279
Pyrites.....	long tons..	241,612	394,124	310,777	170,081	215,786	182,049	978	1,675	1,597	650	804	605
Salt.....	1,000 short tons..	4,243	5,352	6,840	7,398	7,569	8,075	7,900	11,748	29,894	26,162	24,818	26,773

For footnotes see p. 746.

MINERAL PRODUCTS

745

No. 728.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES—Continued

746

Products	Quantity						Value in thousands of dollars					
	1910	1915	1920	1925	1927	1928	1910	1915	1920	1925	1927	1928
NONMETALLIC—continued												
Sand:												
Glass.....1,000 short tons.....	1,461	1,884	2,166	2,335	2,172	2,000	1,517	1,607	4,749	3,836	3,258	3,000
Molding, building, etc., and gravel...do.....	67,949	74,719	79,875	169,667	195,283	194,000	19,521	21,515	60,913	103,706	112,272	109,000
Sand-lime brick.....thousands.....	172,507	179,643	169,761	⁹ 315,595	⁹ 319,618	⁹ 313,553	1,169	1,135	2,490	⁹ 3,781	⁹ 3,646	(⁹)
Silica (quartz).....short tons.....	63,577	112,575	63,190	25,444	22,144	22,198	194	274	320	205	194	209
Slate.....do.....			463,700	724,600	692,040	646,360	6,237	4,959	8,726	12,575	11,831	11,472
Stone.....1,000 short tons.....			73,527	115,851	136,345	133,130	76,521	74,595	133,542	174,217	198,647	196,899
Sulphur.....1,000 long tons.....	251	294	1,518	1,858	2,072	2,033	4,522	4,959	30,000	29,000	33,300	37,500
Sulphuric acid (60° Baumé) from copper and zinc smelters.....1,000 short tons.....		¹⁸ 905	¹⁴ 1,230	1,007	1,041	1,140		7,821	13,617	7,513	8,234	9,008
Talc and soapstone.....short tons.....	150,716	186,891	210,635	¹⁷ 182,256	¹⁷ 192,316	¹⁷ 205,926	1,592	1,892	3,035	¹⁷ 2,012	¹⁷ 2,235	¹⁷ 2,529
Total nonmetallic products (approximate).							1,237,666	1,400,484	5,214,170	4,814,700	4,303,600	4,109,000
SUMMARY OF VALUES												
Metallic products.....							749,879	991,730	1,762,350	1,380,280	1,217,700	1,282,000
Nonmetallic products (exclusive of fuels).....							409,455	427,867	1,021,260	1,232,420	1,243,533	1,216,000
Mineral fuels.....							828,213	972,617	4,192,910	3,058,630	3,060,047	2,893,000
"Unspecified" (metallic and nonmetallic) products partly estimated.....							309	2,430	4,820	6,250	8,200	9,000
Grand total (approximate)							1,987,844	2,394,644	8,991,340	5,877,630	5,529,500	5,400,000

¹ From both domestic and foreign ores.

² Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value. Value for antimony other than that in antimonial lead is included in metallic total. Bureau of Mines not at liberty to publish figures.

³ Product from domestic ores only.

⁴ Included under "Pig iron."

⁵ Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.

⁶ Including ore used for fluxing.

⁷ Figures not available. Value of products derived therefrom, or raw materials used, is included elsewhere.

⁸ Value included in total value of metallic products. Bureau of Mines not at liberty to publish figures.

⁹ Figures obtained through cooperation with Bureau of the Census.

¹⁰ Figures not yet available. Estimate of value included in total value of nonmetallic products.

¹¹ Includes brown coal and lignite and anthracite mined elsewhere than in Pennsylvania.

¹² Tripoli only. Value of distomite is included in total value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

¹³ No canvass. Estimate of value included in total value of nonmetallic products.

¹⁴ Canvass discontinued after 1915. Value of iron ore acid for paint included under "Unspecified."

¹⁵ Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.

¹⁶ In 1915 includes 59,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.

¹⁷ Talc only. Value of soapstone is included in value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

Source: Bureau of Mines, Department of Commerce.

MINERAL PRODUCTS

MINERAL PRODUCTS

747

No. 729.—MINERAL PRODUCTION, BY STATES

NOTE.—Iron ore, not pig iron, is taken as the basis of valuation of iron and in the case of other metals, mine production (recoverable content of metals) is the basis. For principal mineral products of each State see Table 730

[Values in thousands of dollars]

Division and State	1921	1922	1923	1924	1925	1926	1927
Continental United States	3,764,717	4,115,519	5,158,287	4,655,264	4,965,430	5,485,743	4,887,527
New England	32,253	34,570	48,030	48,950	48,452	50,707	48,531
Maine.....	4,392	5,688	7,566	0,035	5,839	5,785	5,476
New Hampshire.....	2,234	2,283	3,573	3,378	3,465	4,145	3,447
Vermont.....	10,650	9,577	13,910	14,549	14,409	14,955	14,703
Massachusetts.....	9,835	11,005	14,781	15,726	16,832	16,787	16,295
Rhode Island.....	923	771	1,023	1,133	1,152	1,339	1,311
Connecticut.....	4,219	5,340	7,177	8,120	9,755	7,695	7,299
Middle Atlantic	1,054,620	959,072	1,387,613	1,182,337	1,045,993	1,244,848	1,121,761
New York.....	62,502	73,528	89,975	95,435	102,036	112,016	111,530
New Jersey.....	47,429	62,390	72,602	75,271	76,761	77,066	73,058
Pennsylvania.....	944,689	823,148	1,225,036	1,011,631	807,196	1,055,766	937,123
East North Central	654,698	705,075	843,897	727,181	732,417	761,391	660,404
Ohio.....	223,534	230,800	287,869	249,050	247,507	253,884	226,731
Indiana.....	97,701	108,394	130,886	112,209	111,834	118,692	107,738
Illinois.....	254,019	214,618	282,761	235,796	231,659	237,242	180,288
Michigan.....	69,453	101,431	128,261	114,239	122,212	130,861	124,030
Wisconsin.....	9,991	13,823	19,090	15,797	19,205	20,712	21,777
West North Central	290,089	328,079	424,258	347,284	399,158	423,120	347,525
Minnesota.....	72,610	111,617	174,105	107,815	110,253	118,361	102,973
Iowa.....	35,040	36,205	46,175	40,460	38,420	35,972	33,426
Missouri.....	56,376	62,463	79,201	81,054	92,548	90,004	75,800
North Dakota.....	2,500	3,693	3,473	2,735	2,662	2,805	2,870
South Dakota.....	7,499	7,279	7,372	6,926	7,972	7,595	8,455
Nebraska.....	2,366	2,997	3,302	3,209	3,359	3,322	3,542
Kansas.....	113,098	103,885	119,630	108,005	142,044	105,061	120,369
South Atlantic	394,326	445,235	523,884	405,831	443,755	519,412	481,055
Delaware.....	350	428	416	512	539	378	493
Maryland.....	16,981	14,905	21,190	18,507	21,558	24,067	20,409
District of Columbia.....	412	869	930	814	959	937	1,375
Virginia.....	32,811	38,551	48,052	37,962	41,038	46,136	41,320
West Virginia.....	316,181	358,772	412,867	307,314	333,523	395,942	366,043
North Carolina.....	5,456	7,268	10,021	9,261	9,504	10,993	11,652
South Carolina.....	1,751	2,414	3,550	3,444	3,503	3,677	4,251
Georgia.....	8,650	11,120	14,300	14,947	16,594	17,480	16,756
Florida.....	12,598	10,908	12,558	13,120	16,651	19,752	18,066
East South Central	202,383	257,170	275,067	235,272	249,551	271,658	271,684
Kentucky.....	114,405	158,701	148,854	120,511	131,371	146,768	152,614
Tennessee.....	37,755	35,146	41,554	35,355	38,869	39,297	37,875
Alabama.....	52,239	61,723	82,406	77,316	77,139	83,710	78,641
Mississippi.....	1,954	1,600	2,163	2,090	2,172	1,888	2,554
West South Central	565,783	725,612	762,415	784,440	1,000,669	1,136,799	1,009,814
Arkansas.....	22,515	31,419	41,954	61,749	87,186	84,456	59,449
Louisiana.....	61,062	75,519	61,199	56,931	60,594	62,204	51,267
Oklahoma.....	269,883	369,070	398,811	393,031	501,767	569,510	524,595
Texas.....	212,363	249,604	260,451	272,720	351,212	420,587	374,563
Mountain	250,753	352,079	484,407	470,270	519,273	520,261	458,328
Montana.....	30,162	59,401	74,707	70,632	79,261	76,833	67,833
Idaho.....	16,562	18,496	27,105	27,832	31,611	31,753	20,184
Wyoming.....	51,365	58,529	77,065	75,494	78,755	78,988	56,167
Colorado.....	51,045	54,866	61,379	61,488	63,140	65,597	58,855
New Mexico.....	13,227	18,038	23,791	23,914	25,549	25,514	28,609
Arizona.....	30,818	63,738	104,940	100,327	114,203	115,048	100,569
Utah.....	40,596	60,697	86,221	84,357	100,275	98,985	90,368
Nevada.....	14,038	18,374	28,599	26,226	26,470	27,613	26,753
Pacific	319,832	368,627	403,718	456,699	527,132	551,550	488,425
Washington.....	17,066	19,725	22,169	21,159	22,482	21,257	21,066
Oregon.....	5,200	5,490	6,054	7,364	7,827	6,941	6,821
California.....	297,626	293,412	375,493	428,176	496,923	523,352	456,638
Alaska	117,041	19,507	20,241	17,302	18,286	17,007	14,402

Source: Bureau of Mines, Department of Commerce.

No. 730.—PRINCIPAL MINERAL PRODUCTS OF EACH STATE, IN ORDER OF VALUE IN 1927

New England: Maine—Stone, lime, clay products, slate. New Hampshire—Stone, clay products, sand and gravel, feldspar. Vermont—Stone, slate, lime, talc. Massachusetts—Stone, clay products, sand and gravel, lime. Rhode Island—Stone, sand and gravel, clay products, lime. Connecticut—Stone, clay products, lime, sand and gravel.	South Atlantic—Continued. Virginia—Coal, cement, clay products, stone. West Virginia—Coal, natural gas, petroleum, clay products. North Carolina—Stone, clay products, sand and gravel, copper. South Carolina—Stone, clay products, sand and gravel, barite. Georgia—Stone, clay products, cement, fuller's earth. Florida—Phosphate rock, stone, fuller's earth, sand and gravel.
Middle Atlantic: New York—Clay products, stone, cement, gypsum. New Jersey—Clay products, zinc, cement, stone. Pennsylvania—Coal, cement, clay products, natural gas.	East South Central: Kentucky—Coal, petroleum, clay products, natural gas. Tennessee—Coal, cement, stone, clay products. Alabama—Coal, iron ore, cement, clay products. Mississippi—Sand and gravel, clay products, natural gas, stone.
East North Central: Ohio—Clay products, coal, natural gas, stone. Indiana—Coal, stone, cement, clay products. Illinois—Coal, clay products, petroleum, cement. Michigan—Iron ore, copper, cement, sand and gravel. Wisconsin—Stone, zinc, sand and gravel, iron ore.	West South Central: Arkansas—Petroleum, coal, natural gas. Louisiana—Petroleum, natural gas, salt. Oklahoma—Petroleum, natural gas, zinc. Texas—Petroleum, natural gas, sulphur.
West North Central: Minnesota—Iron ore, stone, cement, clay products. Iowa—Coal, cement, gypsum, clay products. Missouri—Lead, clay products, cement, coal. North Dakota—Coal, sand and gravel, clay products. South Dakota—Gold, cement, stone, sand and gravel. Nebraska—Sand and gravel, cement, clay products, stone. Kansas—Petroleum, zinc, natural gas, cement.	Mountain: Montana—Copper, zinc, petroleum, coal. Idaho—Lead, silver, zinc, stone. Wyoming—Petroleum, coal, natural gas. Colorado—Coal, gold, zinc, lead. New Mexico—Copper, coal, zinc, petroleum. Arizona—Copper, gold, silver, lead. Utah—Copper, lead, coal, silver. Nevada—Copper, gold, silver, gypsum.
South Atlantic: Delaware—Clay products, stone, sand and gravel. Maryland—Coal, clay products, cement, sand and gravel. District of Columbia—Sand and gravel, clay products, sand-lime brick, stone.	Pacific: Washington—Coal, cement, clay products, sand and gravel. Oregon—Cement, stone, sand and gravel, clay products. California—Petroleum, natural gas, cement. Alaska—Copper, gold, coal, silver.

No. 731.—IRON ORE: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

NOTE.—In thousands of long tons (2,240 pounds). Nearly all exports are to Canada. Blank spaces indicate lack of data. Since 1905 ore containing 5 per cent or more of manganese has been excluded

Yearly average or year	Production	Shipments	Exports	Imports	Production	1925	1926	1927	1928
1881-1890.....	10,385	-----	-----	766					
1891-1900.....	17,561	-----	-----	587					
1901-1910.....	41,339	-----	271	1,180					
1911-1915.....	51,505	50,502	953	1,841	Lake Superior ¹	52,057	57,143	51,540	52,517
1916-1920.....	69,737	70,224	1,143	967	Birmingham.....	6,636	6,508	6,295	6,167
1921-1925.....	52,429	62,617	677	1,691	All other.....	3,210	3,971	3,900	3,513
1912.....	55,150	57,018	1,196	2,105					
1913.....	61,980	59,643	1,642	2,595	REGION				
1914.....	41,440	39,714	552	1,351	Alabama.....	7,003	6,848	6,445	6,308
1915.....	55,526	55,493	708	1,341	Tennessee.....	105	139	122	129
1916.....	75,168	77,871	1,184	1,326	Michigan.....	14,401	15,248	15,075	13,677
1917.....	75,289	75,573	1,132	972	Minnesota.....	36,856	40,702	35,461	37,504
1918.....	69,668	72,021	1,256	787	Wisconsin.....	817	1,323	1,001	1,285
1919.....	60,965	56,373	997	476	Pennsylvania.....	956	1,006	1,170	1,020
1920.....	67,604	69,281	1,145	1,273	New York.....	142	630	853	713
1921.....	29,491	26,653	440	316	New Jersey.....	203	200	221	250
1922.....	47,120	50,613	602	1,135	Wyoming.....	490	630	603	491
1923.....	69,351	69,811	1,117	2,768	All other.....	696	700	690	750
1924.....	54,207	52,083	595	2,047					
1925.....	61,908	63,925	631	2,191	STATE				
1926.....	67,023	69,293	869	2,555	Alabama.....	7,003	6,848	6,445	6,308
1927.....	61,741	61,232	899	2,621	Tennessee.....	105	139	122	129
1928.....	62,197	63,433	1,282	2,453	Michigan.....	14,401	15,248	15,075	13,677
					Minnesota.....	36,856	40,702	35,461	37,504
					Wisconsin.....	817	1,323	1,001	1,285
					Pennsylvania.....	956	1,006	1,170	1,020
					New York.....	142	630	853	713
					New Jersey.....	203	200	221	250
					Wyoming.....	490	630	603	491
					All other.....	696	700	690	750
					KIND				
					Hematite.....	250,547	2,304,036	2,358,006	2,59,208
					Brown ore.....	2,835	2,811	2,743	817
					Magnetite.....	1,472	2,175	2,400	2,171
					Carbonate.....	5	2	2	2

¹ Includes only those mines in Wisconsin which are in true Lake Superior district.

² Some hematite included with brown ore.

³ Some hematite included with magnetite.

No. 732.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

[In thousands of long tons (2,240 pounds) unless otherwise specified]

	1900	1905	1910	1915	1920	1924	1925	1926	1927	1928
Total pig iron and ferro-alloys.....	13, 780	22, 992	27, 804	29, 916	36, 926	31, 406	36, 701	39, 373	36, 586	38, 156
By States:										
New England.....	14	16	17	8	10					
New York, New Jersey.....	493	1, 509	2, 293	2, 105	2, 601	2, 014	2, 188	2, 729	2, 775	2, 563
Pennsylvania.....	6, 366	10, 579	11, 272	12, 791	13, 983	11, 069	12, 523	13, 588	11, 830	12, 423
Maryland.....	200	332	320	252	524	558	705	805	857	
Virginia.....	401	510	445	251	420	98	125	103	99	1, 051
Alabama.....	1, 184	1, 604	1, 939	2, 049	2, 393	2, 774	2, 836	2, 953	2, 783	2, 546
Ohio.....	2, 471	4, 586	5, 752	6, 013	8, 533	7, 416	8, 863	9, 350	8, 502	9, 099
Illinois.....	1, 393	2, 034	2, 679	2, 447	3, 281	2, 601	3, 604	3, 600	3, 589	3, 942
Indiana, Michigan.....	164	289	1, 250	1, 937	2, 940	3, 350	4, 120	4, 377	4, 202	4, 583
Wisconsin, Minnesota.....	185	351	307	373	711	357	468	537	456	359
All other.....	708	1, 182	1, 117	741	1, 620	1, 170	1, 267	1, 200	1, 474	1, 610
By disposition:										
For sale.....	(¹)	(¹)	(¹)	8, 583	10, 724	8, 411	8, 991	9, 700	9, 494	8, 304
For maker's use.....	(¹)	(¹)	(¹)	21, 333	26, 202	22, 995	27, 710	29, 612	27, 072	29, 852
By kinds:										
Basic.....	1, 072	4, 105	9, 085	13, 093	16, 788	15, 999	19, 667	21, 168	19, 357	22, 124
Bessemer.....	7, 970	12, 407	11, 249	10, 523	12, 062	8, 172	9, 419	10, 042	9, 106	9, 014
Foundry (incl. ferrosilicon).....	3, 376	4, 758	5, 200	4, 844	5, 958	5, 623	5, 410	5, 753	5, 783	4, 513
Malleable.....	173	635	843	830	1, 311	973	1, 554	1, 682	1, 700	1, 923
Forge.....	793	728	564	310	318	256	241	216	145	88
Ferromanganese, spiegel- eisen, and all other.....	305	359	300	310	539	382	400	511	470	493
Pig iron and ferro-alloys by fuels:										
Coke ²	11, 728	20, 965	26, 258	29, 535	36, 300	31, 193	36, 504	39, 209	36, 401	38, 013
Anthracite.....	1, 677	1, 675	649	85	303					
Charcoal.....	384	353	397	296	323	213	196	164	165	143
Materials used:										
Iron ore, briquettes, etc.....	24, 131	41, 525	51, 730	55, 137	66, 450	55, 675	65, 450	68, 228	63, 298	65, 852
Clinder, scale, etc.....	1, 000	(¹)	2, 800	4, 483	4, 986	4, 602	5, 017	5, 036	5, 417	6, 712
Coke (1,000 tons of 2,000 pounds) ⁴	(¹)	(¹)	(¹)	33, 320	42, 046	34, 335	39, 206	39, 709	37, 373	38, 893
Limestone.....	7, 422	11, 027	14, 528	14, 700	17, 825	13, 113	15, 154	15, 364	14, 102	14, 272
Total number of furnaces.....	406	424	473	445	452	425	395	379	364	334
Furnaces in blast Dec. 31.....	232	313	200	310	216	235	238	210	178	203

¹ Not available.
² Includes pig iron and ferro-alloys made in electric furnaces.
³ Materials consumed in manufacture of pig iron only.
⁴ Coke and bituminous coal prior to 1926.

Source: American Iron and Steel Institute.

No. 733.—PIG IRON: PRODUCTION (INCLUDING FERRO-ALLOYS), 1810-1901

NOTE.—For later years see Table 734. Tons are of 2,240 pounds

Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons
1810	53, 008	1870	1, 005, 179	1878	2, 301, 215	1886	5, 083, 329	1894	6, 657, 388
1820	20, 000	1871	1, 700, 793	1879	2, 741, 853	1887	6, 417, 148	1895	9, 446, 308
1830	165, 000	1872	2, 548, 713	1880	3, 835, 191	1888	6, 489, 738	1896	8, 623, 127
1840	286, 903	1873	2, 500, 963	1881	4, 144, 254	1889	7, 603, 642	1897	9, 652, 080
1850	503, 755	1874	2, 401, 262	1882	4, 623, 323	1890	9, 202, 703	1898	11, 773, 934
1855	700, 150	1875	2, 023, 733	1883	4, 595, 510	1891	8, 279, 870	1899	13, 620, 703
1860	821, 223	1876	1, 808, 061	1884	4, 097, 868	1892	9, 157, 000	1900	13, 789, 242
1865	831, 770	1877	2, 066, 594	1885	4, 044, 526	1893	7, 124, 502	1901	15, 878, 354

Source: American Iron and Steel Institute.

No. 734.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS

NOTE.—In long tons (2,240 pounds). Prior to 1901 exports and imports are for years ended June 30 following year specified; calendar years thereafter. All production figures are for calendar years

Yearly average or year	Pig iron			Steel ingots and castings, production	Year	Pig iron			Steel ingots and castings, production
	Production	Exports of domestic	Imports			Production	Exports of domestic	Imports	
1871-1875.	2,248,203	7,412	137,591	1,389,799	1912...	20,726,037	272,670	129,325	31,251,303
1876-1880.	2,562,763	3,407	276,600	803,470	1913...	30,966,152	277,648	156,450	31,300,874
1881-1885.	4,301,066	5,311	325,290	1,652,268	1914...	23,332,244	114,423	139,683	23,513,030
1886-1890.	7,079,312	12,407	229,970	8,292,763	1915...	20,916,213	224,569	89,836	32,151,036
1891-1895.	8,133,013	22,983	54,778	4,675,736	1916...	39,434,797	607,236	135,349	42,773,680
1896-1900.	11,491,937	224,268	34,308	8,430,938	1917...	38,621,216	656,220	76,786	45,060,607
1901.....	15,878,354	81,211	62,930	13,473,595	1918...	30,054,044	269,675	34,711	44,462,432
1902.....	17,821,307	27,487	610,354	14,047,250	1919...	31,015,304	321,261	101,665	34,671,232
1903.....	18,009,252	20,379	599,574	14,534,078	1920...	36,025,987	216,828	186,944	42,132,934
1904.....	16,497,033	49,025	79,500	13,850,887	1921...	16,088,126	28,405	44,842	10,783,737
1905.....	23,992,389	49,221	212,469	20,023,947	1922...	27,219,004	33,332	408,059	35,602,926
1906.....	25,307,191	83,317	379,828	23,308,136	1923...	40,361,146	37,559	474,723	44,943,690
1907.....	25,781,361	73,703	489,475	23,362,594	1924...	31,405,790	45,818	276,960	37,931,939
1908.....	16,936,018	46,696	92,202	14,023,247	1925...	36,700,566	39,907	516,948	45,393,524
1909.....	25,795,471	61,959	176,442	23,955,021	1926...	39,372,729	28,800	154,268	48,293,793
1910.....	27,303,667	127,385	237,223	26,004,919	1927...	36,565,045	55,899	175,529	44,933,185
1911.....	23,649,547	120,799	148,459	23,076,100	1928...	38,155,714	96,743	194,689	51,544,180

¹ 1875 only.

No. 735.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS

NOTE.—In thousands of long tons (2,240 pounds) unless otherwise specified. Blank spaces indicate figures not available. The miscellaneous products, except cast-iron pipe, are for the most part further elaborations of the rolled products listed above

	1905	1910	1915	1920	1925	1926	1927	1928
Rolled products, total.....	16,840	21,621	24,393	32,348	33,387	35,496	32,679	37,663
Rails.....	3,376	3,836	2,204	2,604	2,785	3,218	2,806	2,647
Bessemer.....	3,192	1,884	327	143	10	13	2	3
Open hearth.....	183	1,751	1,775	2,334	2,692	3,108	2,718	2,580
Rerolled.....			102	127	84	97	87	64
Sheets and plates.....	3,532	4,055	6,078	9,338	9,808	10,629	9,628	11,006
Universal.....			955	1,250	1,196	1,408	1,267	1,304
Sheared.....			1,923	3,505	2,657	2,794	2,446	2,609
Black sheets.....			1,837	2,836	4,097	4,337	3,997	4,962
Black plates for tinning.....			1,093	1,449	1,632			
Other black-plate specialties.....			270	247	325	2,000	1,928	2,130
Nail and spike plate.....	65	45	32	21	22	17	18	16
Wire rods.....	1,809	2,242	3,096	3,137	2,845	2,722	2,770	3,081
Structural shapes.....	1,601	2,267	2,437	3,307	3,604	3,912	3,742	4,006
Merchant bars.....	3,694	3,780	4,131	6,130	5,659	5,474	4,870	6,278
Skelp.....	1,436	1,823	2,299	3,220	3,230	3,765	3,419	3,369
Hoops.....	446	202	282	333	205	190	176	176
Bands and cotton ties.....		425	438	389	350	356	321	344
Splice and tie-plate bars.....			536	576	323	954	805	798
Rolled forging blooms, billets, etc.....	42	400	651	447	345	363	286	551
All other rolled products.....	881	1,715	2,208	2,846	3,726	3,996	3,977	5,257
Miscellaneous products:								
Tin plate (million pounds).....		1,450	2,292	3,080	3,450	3,760	3,513	3,673
Terneplates (million pounds).....		168	163	153	255	242	235	278
Galvanized sheets (million pounds).....			1,582	1,871	2,530	2,788	2,768	3,041
Galvanized formed products (million pounds).....			112	144	178	155	169	172
Wire nails (thousands of kogs) ²	10,855	12,705	14,593	16,450	15,454	14,809	14,389	14,234
Cut nails (thousands of kogs) ²	1,358	1,005	775	845	730	662	703	620
Wrought pipe, incl. boiler tubes.....			1,920	3,003	3,031	3,403	3,117	2,924
Boiler tubes.....			97	119	63	61	47	59
Seamless steel tubes.....			140	292	568	775	804	1,079
Cast-iron pipe (1,000 short tons) ⁴			1,215	887	1,225	2,004	1,970	1,872
Forgings made by rolling mills.....		320	524	540	388	462	356	625

¹ Rolled on sheet or jobbing mills.

² Small structural forms not included.

³ Of 100 pounds.

⁴ Of 2,000 pounds.

Source of Tables 734 and 735: American Iron and Steel Institute.

No. 736.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Yearly average or year (calendar year)	Total production, finished rolled prod- ucts	Ralls			Plates and sheets		
		Production	Exports	Imports	Production	Exports	Imports
1870-1880		911,096	4,441	59,851			
1881-1885		1,273,688	3,986	116,972			
1886-1890	¹ 5,278,214	1,710,278	7,275	40,775	¹ 684,914		8,013
1891-1895		5,472,849	1,264,677	13,650	1,047	1,510	23,894
1896-1900		8,162,560	1,881,905	232,518	2,399	1,463,879	4,771
1901-1905		13,670,907	2,855,138	228,746	43,207	2,694,625	39,505
1906-1910		18,509,490	3,238,486	303,234	3,063	4,054,102	153,601
1908		11,828,193	1,921,015	196,510	1,719	2,640,693	104,993
1909		19,644,690	3,023,845	299,540	1,542	4,234,340	180,047
1910		21,621,279	3,630,031	353,180	7,861	4,955,484	274,521
1911		19,039,171	2,822,790	420,874	3,414	4,488,049	6,152
1912		24,666,841	3,327,915	446,473	3,780	5,875,080	372,373
1913		24,791,243	3,502,780	460,553	10,408	5,751,037	463,426
1914		18,370,196	1,945,095	174,680	22,571	4,719,240	280,095
1915		24,392,924	2,204,203	391,379	78,235	6,077,694	419,604
1916		32,380,389	2,854,518	340,828	26,529	7,453,980	515,558
1917		33,067,700	2,944,161	512,669	9,263	8,207,616	851,529
1918		31,155,754	2,540,892	453,637	8,705	8,799,135	854,136
1919		25,101,544	2,203,843	652,443	17,008	7,372,814	1,042,697
1920		32,347,863	2,604,116	694,628	45,084	9,337,680	1,273,558
1921		14,774,006	2,178,818	321,822	22,048	4,260,574	607,370
1922		20,462,004	2,171,776	277,090	26,629	7,968,397	439,417
1923		33,277,076	2,904,516	267,409	20,796	9,497,717	386,405
1924		28,086,435	2,433,832	208,496	43,358	8,027,883	306,540
1925		33,886,900	2,785,267	151,690	36,872	9,807,659	386,912
1926		35,495,892	3,217,649	187,557	55,212	10,529,056	617,611
1927		32,879,031	2,806,486	177,593	15,455	9,627,734	468,511
1928		37,062,916	2,647,493	190,925	14,019	11,005,050	522,650

Yearly average or year (calendar year)	Nail-plate produc- tion	Wire rods			Structural shapes			All other finished rolled production
		Production	Exports	Imports	Production	Exports	Imports	
1891-1895	152,803	633,248		34,804	³ 429,872			2,322,406
1896-1900	78,328	909,819	⁴ 16,182	13,087	989,419	⁴ 48,877		3,139,210
1901-1905	66,406	1,590,280	16,345	18,390	904,991	55,651	⁵ 12,886	5,220,667
1906-1910	52,205	2,056,732	13,403	15,400	1,396,951	121,086	11,107	7,171,013
1908	45,747	1,816,949	7,412	11,209	1,083,181	116,381	3,623	4,311,608
1909	63,746	2,335,685	20,142	10,544	2,275,562	90,830	6,146	7,711,506
1910	45,294	2,241,830	22,869	20,374	⁶ 2,260,890	140,721	14,897	8,475,750
1911	48,622	2,450,463	23,641	15,483	⁶ 1,912,367	223,493	5,843	7,316,990
1912	45,331	2,653,553	64,978	16,069	2,846,437	288,164	3,120	9,908,476
1913	37,503	2,464,807	61,637	16,098	3,004,972	403,264	11,059	10,030,144
1914	38,573	2,431,714	61,856	6,954	2,031,124	182,395	10,145	7,201,444
1915	31,929	3,095,907	165,014	5,317	2,437,003	232,139	1,494	10,546,188
1916	30,088	3,518,746	158,284	4,130	3,029,964	300,594	1,473	15,492,993
1917	22,864	3,137,138	181,941	1,000	3,110,000	294,150	6,216	15,585,921
1918	18,310	2,562,390	148,523	7,677	2,849,969	232,729	3,504	14,385,058
1919	12,832	2,431,476	118,010	342	2,614,036	360,787	1,154	11,739,792
1920	20,577	3,136,907	116,775	5,488	3,306,748	493,633	1,685	13,941,835
1921	14,573	1,564,330	18,953	917	1,272,624	297,022	777	5,488,087
1922	21,969	2,654,741	40,424	1,735	2,718,768	167,585	7,823	10,916,353
1923	22,533	3,075,892	40,868	3,948	3,405,197	199,021	10,674	14,370,921
1924	22,175	2,522,545	18,762	6,851	3,283,708	167,910	43,245	11,739,792
1925	22,038	2,844,056	21,207	7,988	3,604,130	169,252	77,291	14,323,220
1926	17,337	2,722,032	19,646	10,075	3,911,063	233,059	121,100	15,098,155
1927	18,051	2,770,271	16,127	17,988	3,742,445	215,226	161,849	13,914,044
1928	16,200	3,080,816	38,619	19,298	4,095,143	296,585	163,762	16,810,214

¹ Average for years 1887-1890.² Includes skip.³ Average for years 1892-1895.⁴ Average for period July 1, 1897, to Dec. 31, 1900.⁵ Average for period July 1, 1903, to Dec. 31, 1905.⁶ Small structural forms not included.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics)

No. 737.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADES

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Year	Total	Bessemer	Open hearth			Cru- cible	Electric	Miscel- laneous
			Total	Basic	Acid			
1890.....	4,277,071	3,688,871	513,232			71,175		3,703
1900.....	10,188,329	6,684,770	3,398,135	2,545,091	853,044	100,562		4,862
1905.....	20,023,947	10,941,375	8,971,376	7,815,728	1,155,648	102,233		8,963
1910.....	26,094,919	9,412,772	16,504,509	15,292,329	1,212,180	122,303	52,141	3,194
1915.....	32,151,036	8,287,213	23,679,162	22,308,725	1,370,377	113,782	69,412	1,527
1920.....	42,132,934	8,883,087	32,671,895	31,375,723	1,296,172	72,265	502,162	3,535
1925.....	45,393,524	6,723,962	38,034,488	37,087,342	947,146	19,562	615,512	
1926.....	48,293,793	6,934,568	40,691,979	39,653,315	1,038,664	15,493	651,723	
1927.....	44,935,185	6,191,727	38,068,335	37,144,268	924,067	9,036	666,087	
1928.....	51,544,180	6,620,195	44,113,950	43,200,483	913,473	7,769	802,260	

Source: American Iron and Steel Institute.

No. 738.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

NOTE.—The overlapping of the industries shown in this table results in considerable duplication in ton-nages shown. The products chiefly used further in manufacture are wire rods, plates and sheets, black plates for tinning, and skelp. The figures given under "Wire" and "Tin and terneplate" include data for products of these departments of steel works and rolling mills and of all other industries producing these commodities. The original census tables contain much fuller detail as to the disposition of semifinished products

Industry and product	Quantity in thousands of tons of 2,240 pounds			Value in thousands of dollars		
	1923	1925	1927	1923	1925	1927
STEEL WORKS AND ROLLING MILLS						
All products, total value.....				3,154,325	2,946,068	2,770,840
Unrolled steel, total.....	44,521	45,119	44,757			
Ingots—						
For sale and interplant transfer.....	551	535	437	18,885	16,300	12,670
Produced and consumed in works.....	42,850	43,570	43,337			
Direct steel castings—						
For sale and interplant transfer.....	1,054	938	888	162,611	144,415	145,085
Produced and consumed in work.....	60	70	95			
Semifinished rolled products, for sale and inter- plant transfer, total.....	11,434	11,398	10,307	455,460	405,412	346,051
Blooms, billets, and slabs, except for forging.....	7,133	6,828	6,161	280,692	243,338	205,828
Rolled blooms and billets for forging.....	135	153	113	8,522	7,283	4,090
Hammered charcoal blooms, billets, etc.....	4	3	1	372	272	80
Sheet and tin-plate bars.....	4,063	4,351	3,985	159,810	151,756	133,094
Muck and scrap bar.....	99	53	47	6,004	2,708	2,359
Finished rolled products and forgings, total.....	34,452	32,647	32,154			
Produced and consumed in works.....	9,075	8,145	8,416			
For sale and interplant transfer.....	25,377	24,502	23,738	1,545,528	1,373,040	1,251,788
Rails.....	2,728	2,693	2,793	113,644	114,384	114,565
Rail joints, fastenings, tie plates, etc.....	763	815	893	43,193	46,724	50,394
Structural shapes (not fabricated).....	3,291	3,413	3,502	161,749	154,814	148,339
Concrete reinforcing bars.....	617	709	783	32,446	35,078	35,410
Merchant bars, mill shafting, etc. 1—						
Steel.....	5,076	4,983	4,240	310,517	301,604	240,469
Iron.....	400	255	202	20,410	16,896	13,582
Bolt and nut rods, spiko and chain rods, etc.	92	63	95	5,237	3,312	4,381
Wire rods.....	1,236	1,105	1,024	62,003	54,713	46,059
Plates No. 12 and thicker.....	4,222	3,892	3,781	220,454	180,608	164,513
Sheets No. 13 and thinner.....	2,726	2,914	2,982	249,000	234,438	227,683
Skelp.....	1,383	1,280	1,241	60,215	54,431	50,604
Hoops, bands, strips, and cotton ties 1.....	1,315	1,435	1,295	102,597	80,048	66,351
Axles.....	197	135	119	15,408	11,387	10,737
Armor plate and ordnance.....	9	1	8	1,021	424	2,613
Car and locomotive wheels.....	237	147	155	23,345	15,345	15,197
All other rolled and forged products 2.....	1,080	742	736	99,290	62,833	60,891
Scrap iron and steel, for sale and interplant trans- fer.....	2,218	2,219	2,443	37,100	37,027	35,750
All other (including value added to rolled prod- ucts by further manufacture).....				934,741	960,205	988,487

1 Includes a considerable tonnage of cold rolled steel for years 1923 and 1925, but none for 1927.

2 Includes "nail and tack plate" not shown separately to avoid disclosing the individual operations.

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No. 738.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES—Continued

Industry and product	Quantity in thousands of unit specified			Value in thousands of dollars			
	Unit	1923	1925	1927	1923	1925	1927
WIRE AND WIRE PRODUCTS (ALL METALS)							
<i>All industries, total value</i>					601, 909	702, 039	694, 713
Iron and steel wire:							
<i>Plain wire, total</i>	Ton ¹	3, 125	2, 963	2, 865			
For sale and interplant transfer.....	do.	912	906		73, 999	71, 842	67, 618
Produced and consumed in works.....	do.	2, 213	2, 057	1, 958			
<i>Galvanized wire: For sale and interplant transfer</i>	do.	331	249	250	23, 011	17, 246	17, 035
Other coated wire: For sale and interplant transfer.....	do.	54	42	45	6, 383	5, 198	6, 303
<i>Cold-rolled flat wire: For sale and interplant transfer</i>	do.	140	151	150	19, 693	18, 859	18, 543
Copper wire:							
For sale and interplant transfer.....	Lb.	487, 400	504, 429	491, 819	84, 786	85, 507	77, 090
Produced and consumed in works.....	do.	(²)	(²)	294, 745			
Brass wire:							
For sale and interplant transfer.....	do.	68, 093	64, 138	60, 844	16, 460	12, 228	11, 693
Produced and consumed in works.....	do.	(²)	(²)	3, 086			
Other metal wire:							
For sale and interplant transfer.....	do.	29, 461	45, 589	34, 117	9, 904	13, 683	12, 000
Produced and consumed in works.....	do.	(²)	(²)	7, 209			
Fabricated wire products for sale:							
Iron and steel—							
<i>Nails and spikes</i>	Keg ³	18, 161	15, 977	14, 819	64, 880	53, 623	48, 002
Brads and tacks ⁴	Lb.	3, 967	7, 350	7, 135	428	800	690
Staples.....	do.	63, 644	53, 427	40, 379	2, 373	1, 853	1, 596
Barbed wire.....	Ton ⁴	256	248	202	19, 276	16, 659	12, 973
Rope, cable, and strand.....	(⁵)	(⁵)	(⁵)	(⁵)	44, 217	46, 084	46, 910
Woven-wire fence and poultry netting, plain and coated.....	(⁵)	(⁵)	(⁵)	(⁵)	50, 728	41, 069	43, 738
Wire cloth.....	(⁵)	(⁵)	(⁵)	(⁵)			14, 225
Other woven wire.....	(⁵)	(⁵)	(⁵)	(⁵)	28, 832	24, 189	5, 442
Bale ties.....	(⁵)	(⁵)	(⁵)	(⁵)			4, 580
Wire springs.....	(⁵)	(⁵)	(⁵)	(⁵)	45, 688	57, 753	30, 660
Other fabricated iron and steel wire products.....	(⁵)	(⁵)	(⁵)	(⁵)			41, 868
Copper-wire products—							
Wire cloth.....	(⁵)	(⁵)	(⁵)	(⁵)			2, 213
Other fabricated copper wire products, except insulated.....	(⁵)	(⁵)	(⁵)	(⁵)	6, 740	8, 942	10, 970
Brass-wire products; not including wire cloth.							
Other (bronze and other alloys except brass) wire products, not including wire cloth.....	(⁵)	(⁵)	(⁵)	(⁵)	10, 030	14, 378	224
Wire cloth of brass, bronze, and other alloys.....	(⁵)	(⁵)	(⁵)	(⁵)			6, 583
Insulated wire and cable.....	(⁵)	(⁵)	(⁵)	(⁵)	184, 472	210, 617	210, 048
TIN PLATE AND TERNEPLATE							
<i>All products, total value</i>					165, 637	190, 918	193, 894
Tin plate.....	Lb.	3, 159, 251	3, 480, 401	3, 560, 417	184, 636	179, 382	180, 410
Terneplate.....	do.	137, 301	181, 436	193, 056	7, 840	9, 229	10, 016
All other products.....	do.				3, 111	2, 307	3, 468
CAST-IRON PIPE INDUSTRY							
<i>All products, total value</i>					92, 674	100, 388	95, 283
Gas and water pipe and fittings.....	Ton ⁴	1, 140	1, 437	1, 505	63, 916	71, 192	65, 549
Soil and plumbers' pipe and fittings.....	do.	425	469	489	24, 033	23, 579	25, 688
Castings, other.....	do.	23	26	24	2, 810	2, 891	1, 960
All other.....	do.				1, 915	2, 726	2, 086

¹ Quantity of all iron and steel wire, including that subsequently galvanized, otherwise coated and cold rolled.

² Of 2,000 pounds.

³ No comparable data.

⁴ Of 100 pounds.

⁵ Not including value of brads and tacks made from tack plate.

⁶ Complete data not available; see original census reports.

⁷ Includes cast-iron pipe made as a secondary product in other industries. Figures for prior years do not include such products.

Source: Bureau of the Census, Department of Commerce.

No. 739.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS

NOTE.—The scope of the industry "Steel works and rolling mills" is indicated by Table 738

Year	Number of establishments	Wage earners (average number)	Wages	Value of products ¹	Value added by manufacture ²	Primary horsepower
1870.....	702	³ 140, 708	³ 55, 451	206, 558	105, 287	(⁴)
1880.....	719	171, 181	80, 273	478, 088	151, 415	784, 358
1890.....	008	222, 490	120, 820	803, 008	281, 669	1, 508, 073
1904.....	005	242, 040	141, 427	906, 788	285, 642	2, 422, 577
1909.....	054	278, 505	187, 807	1, 377, 152	309, 013	3, 274, 400
1914.....	587	278, 072	210, 023	1, 236, 310	380, 913	⁵ 3, 025, 809
1919.....	005	416, 748	278, 072	3, 623, 360	1, 321, 507	⁵ 5, 309, 574
1921.....	028	254, 213	711, 407	1, 001, 431	535, 256	(⁴)
1923.....	058	424, 013	354, 357	1, 901, 431	1, 289, 910	5, 900, 041
1925.....	005	309, 014	600, 297	3, 711, 354	1, 281, 976	0, 143, 927
1927.....	002	390, 270	645, 534	3, 488, 744	1, 219, 534	6, 781, 053
Blast furnaces:						
1925.....	122	20, 188	45, 312	765, 286	147, 860	1, 380, 294
1927.....	116	27, 058	44, 258	708, 904	120, 340	(⁴)
Steel works and rolling mills:						
1925.....	473	370, 726	614, 985	2, 946, 068	1, 134, 107	4, 763, 533
1927.....	486	301, 312	601, 275	2, 779, 840	1, 000, 185	⁶ 6, 781, 053

¹ Includes much duplication.² Value of products less cost of materials.³ Returns were not secured for number of salaried employees and it is probable that "wages" included amounts paid for salaries, and "wage earners" may have included some salaried employees.⁴ No data.⁵ This total differs slightly from the corresponding one published in previous reports because of the exclusion here and the inclusion in previous reports of data for rented power other than electric.⁶ Blast furnace data are included with steel works and rolling mills.

Source: Bureau of the Census, Department of Commerce.

No. 740.—AGGREGATE DOMESTIC EXPORTS OF HEAVY IRON AND STEEL¹

NOTE.—Prior to 1922, the small items for which quantity is not available are excluded while in later years all items are included. Ferromanganese is included for all years

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

Year	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1890.....	52	-----	1910.....	1, 538	63, 436	1922.....	1 095	136, 334
1895.....	89	-----	1911.....	2, 188	86, 699	1923.....	2, 010	167, 247
1900.....	1, 154	42, 518	1912.....	2, 948	112, 535	1924.....	1, 806	150, 494
1901.....	701	29, 050	1913.....	2, 746	108, 875	1925.....	1, 703	144, 262
1902.....	372	15, 889	1914.....	1, 550	63, 409	1926.....	2, 167	174, 145
1903.....	327	14, 533	1915.....	3, 533	140, 993	1927.....	2, 183	160, 000
1904.....	1, 168	35, 248	1916.....	0, 101	353, 971	1928.....	2, 865	179, 888
1905.....	1, 010	33, 813	1917.....	0, 439	567, 041			
1906.....	1, 320	52, 215	1918.....	5, 375	553, 270			
1907.....	1, 302	00, 046	1919.....	4, 400	410, 164	Percentage		
1908.....	064	43, 397	1920.....	4, 935	458, 376	change		
1909.....	1, 244	50, 777	1921.....	2, 213	214, 830	from 1927..	+31.2	+12.0

¹ Beginning with 1922 the small item "steam and hot water heating boilers and radiators" is omitted.

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 741.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

NOTE.—This and Tables 740 and 742 exclude the highly elaborated manufactures of iron and steel

Articles	Quantity in long tons (2,240 pounds)				Value in thousands of dollars			
	1925	1926	1927	1928	1925	1926	1927	1928
Total.....	1,762,561	2,166,650	2,188,091	2,865,103	144,302	174,145	160,009	176,898
Pig iron, not including ferro-alloys.....	32,674	25,208	50,902	84,082	725	524	1,028	1,367
Ferromanganese and spiegel Eisen.....	5,496	693	1,641	9,440	161	44	62	233
Scrap.....	82,573	104,838	230,159	516,139	1,377	1,794	3,765	6,615
Ingots, blooms, billets, sheet bars, and skelp.....	87,479	100,954	93,613	101,855	3,892	4,555	4,344	6,617
Iron bars.....	4,616	5,171	3,872	6,229	425	445	345	492
Steel bars.....	111,950	137,771	111,126	158,475	7,005	8,935	6,938	9,114
Alloy steel bars.....	3,632	4,945	5,149	14,079	703	923	917	1,487
Wire rods.....	21,207	19,040	10,128	38,617	1,082	1,080	889	1,731
Galvanized sheets.....	100,269	178,635	152,181	152,280	16,842	18,392	15,498	14,694
Plates, iron and steel.....	104,443	138,260	130,682	166,269	6,205	7,002	7,024	8,400
Black steel sheets.....	95,433	175,740	152,525	170,286	8,211	14,195	12,188	13,576
Black iron sheets.....	14,771	10,253	17,147	16,289	1,473	2,024	1,663	1,634
Hoop, band, and strip steel.....	40,938	46,914	43,150	58,080	3,124	3,463	3,061	3,979
Tin plate, terneplate, etc.....	161,385	260,782	253,890	249,642	18,587	28,700	29,062	26,317
Structural shapes, plain material.....	104,330	157,121	148,179	202,804	5,470	7,655	6,554	8,754
Structural materials, fabricated.....	73,463	77,285	69,423	92,768	5,793	6,952	5,912	8,112
Metal lath.....	3,441	4,376	4,063	5,358	577	729	779	820
Steel rails.....	151,690	187,557	177,596	190,905	6,577	7,043	6,733	6,926
Rail fastenings, switches, frogs, etc.....	35,367	41,771	34,372	41,935	3,250	3,344	3,155	3,483
Boiler tubes and welded pipe.....	229,792	275,452	248,473	243,806	22,818	26,522	23,230	23,327
Cast-iron pipe and fittings.....	32,208	34,111	27,975	33,979	3,036	4,094	3,439	3,427
Malleable-iron screwed pipe fittings.....	9,386	12,367	10,061	10,034	2,325	3,434	3,089	2,819
Barbed-wire and woven-wire fencing.....	71,117	50,721	52,933	74,335	5,234	3,719	3,762	5,015
Plain wire.....	35,698	31,312	35,435	46,177	3,190	2,710	2,843	3,467
Wire cloth and screening.....	1,854	1,089	2,255	1,884	744	746	827	625
Wire rope.....	4,370	4,779	4,547	5,367	1,258	1,446	1,342	1,578
Insulated wire and cable.....	642	738	640	640	268	276	191	217
Wire, other, and manufactures thereof.....	8,376	8,683	9,558	9,812	1,691	1,983	1,894	2,145
Wire nails.....	9,838	11,743	0,690	14,547	834	885	763	956
Nails other than wire, including tacks.....	9,237	7,925	8,429	9,892	1,776	1,635	1,655	1,684
Horseshoes.....	799	660	503	468	116	102	91	73
Bolts, nuts, rivets, and washers.....	16,962	13,221	12,228	13,278	2,499	2,409	2,196	2,537
Our wheels and axles.....	19,935	10,679	10,661	17,139	1,734	1,437	1,273	1,309
Iron castings.....	10,412	8,839	11,724	12,061	1,421	1,270	1,353	1,618
Steel castings.....	4,210	7,500	7,903	9,710	1,122	1,829	1,808	2,551
Forgings.....	2,171	2,645	4,868	11,793	556	633	827	2,308

¹Except track.

No. 742.—IRON AND STEEL: EXPORTS BY DESTINATIONS

NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in Table 741

Country	1926	1927	1928	Country	1926	1927	1928
Belgium.....	5,543	6,009	14,079	Colombia.....	71,142	59,080	64,843
France.....	10,303	4,586	9,115	Ecuador.....	1,497	1,829	3,296
Germany.....	1,115	10,794	22,628	Peru.....	37,819	32,207	26,543
Italy.....	23,486	41,833	90,011	Uruguay.....	7,508	11,393	0,038
Netherlands.....	5,509	12,099	2,332	Venezuela.....	68,116	45,697	80,499
Norway.....	4,731	4,167	4,378	India and Ceylon.....	37,336	28,497	25,509
Spain.....	2,520	3,578	1,483	British Malaya.....	15,520	8,444	6,457
United Kingdom.....	68,899	66,915	54,069	China.....	46,064	53,343	92,337
Canada.....	838,856	832,218	1,178,063	Netherland East Indies.....	41,028	35,258	40,720
Central America.....	49,709	45,361	43,852	Hong Kong.....	2,461	3,051	5,515
Mexico.....	100,837	81,747	83,116	Japan.....	260,361	275,206	411,754
British West Indies.....	10,580	12,384	7,651	Kwantung.....	20,247	19,293	14,021
Cuba.....	94,708	92,486	65,205	Philippine Islands.....	67,554	63,343	84,217
Dominican Republic.....	7,399	9,930	6,722	Australia.....	33,353	26,670	19,633
Argentina.....	60,105	82,380	98,443	New Zealand.....	3,373	1,291	2,305
Brazil.....	62,542	70,633	83,900	British South Africa.....	9,393	10,408	7,419
Chile.....	61,642	44,641	69,875				

Source of Tables 741 and 742: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 743.—IRON AND STEEL: AVERAGE ANNUAL PRICES

[Prices of pig iron, rails, and billets in dollars per long ton (2,240 pounds); other prices in dollars per 100 pounds]

Year	Pig iron				Rails at mills in Penn- syl- vania ²	Bes- semer steel billets, Pitts- burgh	Soft- steel bars, Pitts- burgh	Iron bars, Pitts- burgh ³	Tank plates, Pitts- burgh	Beams, Pitts- burgh	Com- posite finished steel
	Bes- semer, Pitts- burgh	Basic, The Val- leys	South- ern, No. 2, Cincin- nati	Local, No. 2, Chi- cago ¹							
1891-1895	13.46		11.74	12.80	27.27	20.80		1.46			
1896-1900	14.22		12.56	14.30	24.96	21.08	1.40	1.50	1.61	1.63	
1901	15.03		13.61	15.38	27.33	24.13	1.42	1.80	1.55	1.58	
1902	20.07		20.00	20.80	28.00	30.67	1.58	1.94	1.70	1.81	
1903	18.98		17.03	19.25	28.00	27.91	1.56	1.77	1.61	1.62	
1904	13.76		12.73	14.37	28.00	22.18	1.33	1.48	1.54	1.54	1.71
1905	16.36	15.25	15.57	17.65	28.00	24.03	1.48	1.87	1.58	1.62	1.76
1906	19.54	18.10	18.37	20.43	28.00	27.45	1.51	1.93	1.61	1.70	1.77
1907	22.84	20.87	23.10	24.50	28.00	20.25	1.00	1.04	1.70	1.70	1.92
1908	17.07	15.16	15.54	17.57	28.00	26.31	1.40	1.60	1.64	1.64	1.80
1909	17.41	15.48	16.12	17.49	28.00	24.62	1.33	1.62	1.42	1.42	1.63
1910	17.10	14.76	15.16	17.09	28.00	25.38	1.44	1.65	1.47	1.45	1.66
1911	16.71	13.07	13.67	14.83	28.00	21.46	1.26	1.41	1.31	1.32	1.54
1912	15.94	13.92	14.93	15.32	28.00	22.38	1.29	1.44	1.33	1.32	1.53
1913	17.13	14.71	14.90	15.85	28.00	25.70	1.55	1.60	1.50	1.50	1.66
1914	14.80	12.87	13.41	13.00	30.00	20.60	1.16	1.32	1.14	1.15	1.43
1915	15.78	13.74	13.57	14.61	30.00	22.44	1.31	1.48	1.31	1.30	1.63
1916	23.86	19.76	18.07	20.26	34.00	43.05	2.07	2.13	3.53	3.55	2.67
1917	43.64	38.90	38.95	41.31	40.00	70.00	3.04	3.83	5.88	3.07	4.10
1918	36.67	32.50	36.50	33.25	57.00	47.33	2.89	4.31	3.24	2.90	3.54
1919	31.12	27.65	32.10	29.10	40.29	40.51	2.50	4.10	2.72	2.53	3.12
1920	44.44	42.21	44.47	42.53	54.42	60.22	3.22	4.75	3.28	2.95	3.68
1921	25.34	21.74	26.68	22.93	45.69	34.46	1.87	5.47	1.93	1.64	2.63
1922	27.58	24.20	23.93	24.85	40.75	33.95	1.72	3.35	1.72	1.71	2.22
1923	28.97	25.81	27.87	28.16	43.00	41.70	2.36	3.50	2.43	2.43	2.74
1924	23.20	20.24	23.92	22.11	43.00	37.90	2.20	4.00	2.12	2.10	2.61
1925	22.33	19.59	23.74	22.09	43.00	35.23	2.02	4.52	1.91	1.99	2.47
1926	21.33	18.55	24.71	21.64	43.00	36.00	2.00	4.62	1.88	1.95	2.44
1927	20.46	17.70	21.16	20.68	43.00	33.27	1.84	4.68	1.82	1.83	2.36
1928	19.22	16.67	19.70	18.54	43.00	32.67	1.87	4.64	1.87	1.87	2.35

¹ At furnace after 1907.² Bessemer rails to end of 1913; open-hearth thereafter. The extra \$2 per gross ton charged for many years on open-hearth rails was annulled, Oct. 22, 1921.³ All muck iron for 1890; subsequently, best refined.⁴ Average for years 1898-1900.

No. 744.—ALUMINUM AND BAUXITE: PRODUCTION, EXPORTS, AND IMPORTS

	1913	1920	1923	1925	1926	1927	1928
BAUXITE							
Quantities, long tons, (2,240 pounds):							
Production	210,241	621,368	522,690	316,540	302,250	320,940	375,426
Georgia, Alabama, and Tennessee	40,370	40,020	28,810	20,220	20,680	17,110	14,190
Arkansas	160,871	481,270	493,880	296,320	371,570	303,830	361,236
Imports for consumption	21,450	42,805	110,020	333,696	281,644	356,580	350,111
Exports	(¹)	22,257	78,560	78,633	87,770	121,868	112,984
Value of production ² (1,000 dollars)	908	3,247	3,167	1,088	2,415	1,989	2,274
ALUMINUM							
Value, 1,000 dollars:							
Production							
Primary metal	9,480	41,375	28,305	36,430	37,593	30,266	47,809
Secondary metal	2,190	9,480	10,826	24,816	24,808	23,470	22,848
Imports for consumption, total	4,784	13,077	8,743	10,107	10,770	14,202	8,873
Crude and semicrude	4,388	12,184	8,317	9,806	10,422	13,317	8,057
Manufactures	396	893	426	301	357	885	817
Exports, total	966	5,631	3,572	6,057	4,452	6,307	6,891
Crude and semicrude		3,068	1,518	3,366	2,135	3,479	3,759
Manufactures		2,663	2,054	2,691	2,317	2,829	3,133
Quantities, 1,000 pounds:							
Imports (crude and semicrude)	25,095	30,269	42,477	41,007	71,302	62,675	38,846
Exports (crude and semicrude)	(¹)	9,498	5,540	12,642	7,634	14,628	15,728

¹ Unavailable.² F. o. b. mines.

Sources: Table 743, Iron Age and American Iron and Steel Institute; Table 744, Bureau of Mines, Department of Commerce.

No. 745.—COPPER: PRODUCTION, EXPORTS, IMPORTS, AND CONSUMPTION

NOTE.—All quantities except ore produced in millions and tenths of millions of pounds. Production figures include continental United States and Alaska. Owing to the varying stages of production, the stocks in different classes of hands, the redistribution of copper previously purchased, the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption estimates rather widely different from those given below. Consumption as shown represents the quantity of copper withdrawn on domestic account, but not actual domestic consumption, as no account is taken of consumers' stocks

Item	1910	1915	1920	1924	1925	1926	1927	1928
UNREFINED COPPER								
Ore produced (million short tons) 1	28.5	43.4	36.8	49.2	53.1	57.2	56.7	(3)
Average copper yield, per cent	1.88	1.66	1.63	1.59	1.54	1.46	1.41	(3)
Smelter output from domestic ore	1,080.2	1,388.0	1,209.1	1,634.2	1,674.9	1,730.6	1,654.0	1,825.9
Mine production	1,038.2	1,488.1	1,224.6	1,606.2	1,678.1	1,725.2	1,650.0	(2)
Imports, unrefined:								
Ore (copper content)	64.2	92.1	52.0	105.2	107.6	106.7	99.3	106.2
Concentrates (copper content)	21.0	22.3	46.8	41.7	54.0	44.8	68.2	38.5
Matte and regulus (copper content)			17.6	1.1	1.7	2.1	1.4	2.6
Black, in bars, pigs, etc.	250.2	193.8	244.7	471.0	379.3	443.8	438.6	543.2
REFINED COPPER PRODUCTION								
Total new and old copper	1,611.0	2,027.0	2,151.0	3,037.0	3,045.0	3,282.0	3,306.0	3,560.0
New copper (primary)	1,422.0	1,634.2	1,526.2	2,260.1	2,204.6	2,322.5	2,325.8	2,487.6
Domestic	1,071.9	1,387.7	1,182.4	1,674.2	1,682.9	1,731.3	1,719.0	1,791.8
Foreign	350.1	246.5	343.7	585.9	521.7	591.2	600.8	695.8
Electrolytic	1,128.3	1,360.3	1,351.7	2,076.3	2,050.0	2,142.0	2,125.8	2,300.9
Lake	221.5	236.8	163.5	145.3	138.0	172.4	195.1	170.1
Casting and best select 4	72.3	30.0	21.0	38.4	15.9	8.1	4.8	7.6
Old copper rerefined (secondary)	180.0	392.4	624.9	776.6	840.4	959.6	980.4	1,072.3
REFINED COPPER CONSUMPTION								
New copper produced (refinery)	1,422.0	1,634.2	1,526.2	2,260.1	2,204.6	2,322.5	2,325.8	2,487.6
Refined copper imported	(3)	(3)	108.7	145.9	99.8	170.6	103.3	84.7
Refined copper exported 5	708.3	558.8	553.1	1,072.2	1,022.3	900.9	981.1	1,020.3
Stocks, Dec. 31 (refined)	122.8	82.4	659.0	243.0	124.0	146.0	171.0	114.0
Withdrawn on domestic account:								
New refined copper	732.4	1,136.0	1,063.3	1,354.7	1,401.0	1,570.1	1,423.0	1,608.5
New and old copper 6	921.0	1,639.0	1,679.0	2,131.0	2,241.0	2,530.0	2,463.0	3,560.0

1 2,000 pounds.

2 Not available.

3 Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.

4 Includes pig for years 1915 and 1920.

5 Includes the small exports of unrefined black blister and converter copper (bars, pigs, etc.) for years prior to 1924.

6 Total from preceding line plus production of secondary copper as given above.

No. 746.—COPPER: SMELTER PRODUCTION BY STATE OF ORIGIN OF ORE SMELTED

[Quantities in thousands of pounds]

State of origin	1900	1910	1915	1920	1925	1926	1927	1928
Total	606,117	1,080,160	1,388,010	1,209,061	1,674,370	1,739,623	1,694,041	1,825,900
Alaska		4,311	70,695	66,094	72,204	67,632	56,489	40,542
Arizona	118,318	207,251	492,468	552,989	722,653	729,325	681,168	735,632
California	28,511	45,700	37,658	11,822	46,944	30,443	26,803	24,708
Colorado	7,827	9,307	7,272	4,283	3,163	4,658	8,907	10,262
Idaho	200	6,878	6,218	1,022	3,144	1,171	1,811	2,337
Michigan	145,461	221,463	288,956	153,484	138,030	174,779	195,135	179,104
Missouri			306	633	12	54	6	1
Montana	270,754	283,079	268,263	177,744	270,605	257,272	225,209	251,046
Nevada	408	64,495	67,757	55,680	77,138	109,042	118,298	159,333
New Mexico	4,169	3,785	62,817	52,160	76,467	82,848	79,761	92,777
Oregon		22	797	2,629	126	279	485	375
Pennsylvania		741		618	562	496	2,149	5,014
Tennessee		16,602	18,205	16,728	19,789	18,602	14,499	16,374
Utah	18,365	125,185	176,173	110,358	242,731	259,649	267,706	298,375
Washington		65	904	2,126	1,185	1,337	1,767	1,197
Undistributed	12,024	1,127	514	92	117	2,037	5,749	8,821

Source of Tables 745 and 746: Bureau of Mines, Department of Commerce.

No. 747.—COPPER: SMELTER AND REFINERY OUTPUT

NOTE.—Smelter output as here given represents the production of unrefined copper from domestic (in- cluding Alaskan) ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in Table 745

[Quantities in millions of pounds; values in thousands of dollars]

Period	Smelter output from domestic ore		Year	Smelter output from domestic ore		Refinery output (quantity)			Secondary copper
	Quantity	Value		Quantity	Value	New copper			
						Total ¹	Domestic	Foreign ¹	
1850.....	11½	320	1907.....	809	173,700	1,033	868	165	-----
1860.....	16	3,700	1908.....	943	124,419	1,138	943	195	-----
1870.....	28	5,997	1909.....	1,093	142,684	1,301	1,093	208	-----
1871-1875.....	34	8,895	1910.....	1,080	137,180	1,422	1,072	350	189
1876-1880.....	50	9,679	1911.....	1,097	137,154	1,434	1,097	337	214
1881-1885.....	118	17,236	1912.....	1,243	205,130	1,568	1,243	325	273
1886-1890.....	226	30,345	1913.....	1,224	189,795	1,615	1,237	378	276
1891-1895.....	339	37,266	1914.....	1,150	152,068	1,534	1,150	384	252
1896-1900.....	531	74,424	1915.....	1,368	242,002	1,634	1,368	247	395
1901-1905.....	732	103,859	1916.....	1,928	474,288	2,269	1,928	331	700
1906-1910.....	980	150,924	1917.....	1,886	514,011	2,428	1,886	542	767
1911-1915.....	1,221	185,592	1918.....	1,900	471,408	2,432	1,883	549	705
1916-1920.....	1,644	295,270	1919.....	1,286	239,474	1,805	1,433	372	674
1921-1925.....	1,240	171,275	1920.....	1,209	222,267	1,526	1,182	344	625
1901.....	602	100,546	1921.....	506	65,221	951	609	341	435
1902.....	660	86,400	1922.....	950	128,289	1,250	905	351	672
1903.....	698	95,632	1923.....	1,435	210,045	1,980	1,464	516	822
1904.....	813	104,005	1924.....	1,634	214,087	2,260	1,674	586	777
1905.....	889	138,450	1925.....	1,675	237,832	2,205	1,683	522	840
1906.....	918	177,136	1926.....	1,740	243,647	2,322	1,731	591	900
			1927.....	1,684	220,609	2,326	1,719	607	980
			1928.....	1,826	262,930	2,488	1,702	696	1,073

¹ Includes refined copper imported from 1907 to 1919, inclusive.

Source: Bureau of Mines, Department of Commerce.

No. 748.—EXPORTS AND IMPORTS OF COPPER

NOTE.—Exports are those classed as "domestic" in the foreign trade statistics but include copper smelted or refined in the United States from imported ore or unrefined metal. Values include all forms of copper. Quantities represent all copper except the small item, "other manufactures." Copper content of exports of ore for years 1891-1915 and of imports for years 1894-1903 was estimated

[Quantities in short tons (2,000 pounds); values in thousands of dollars]

Yearly average or year	Exports		Imports		Year	Exports		Imports	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1891-1895 ¹	65,686	14,392	5,477	896	1920.....	312,027	141,717	242,835	60,019
1896-1900 ¹	137,684	36,745	24,634	5,866	1921.....	314,402	97,808	176,236	45,785
1901-1905 ¹	190,451	54,042	83,237	22,011	1922.....	368,428	103,874	270,507	66,829
1906-1910 ¹	280,445	92,334	130,111	38,020	1923.....	412,375	129,220	338,236	95,088
1911-1915 ¹	416,849	123,655	170,635	46,129	1924.....	550,100	150,046	384,408	96,134
1916-1920 ²	378,877	208,009	244,048	103,805	1925.....	540,370	161,166	326,480	84,270
1921-1925.....	438,337	129,761	298,975	77,811	1926.....	482,843	141,204	389,721	99,742
1918.....	373,845	206,732	237,903	133,625	1927.....	538,365	150,214	359,161	84,963
1919.....	258,314	130,790	214,694	86,271	1928.....	562,510	160,831	393,637	98,187

¹ Fiscal years ended June 30.

² Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 749.—REFINED PRIMARY LEAD AND SECONDARY LEAD

NOTE.—Production in short tons (2,000 pounds); values except price per pound in thousands of dollars. This table, except the column for secondary lead, relates to new (primary) lead only; the totals include lead derived from both domestic (including Alaska) and foreign ore. General production figures and production of desilverized lead do not include antimonial lead, shown in next to the last column. This table represents exclusively refined lead, while in Table 750 part of the lead from domestic

Year	Production	Value	Year	Production	Value	Year	Production	Value
1830	8,000	608	1893	224,320	16,600	1911	486,979	43,828
1840	17,000	1,608	1894	213,650	14,101	1912	480,894	43,280
1850	22,000	2,112	1895	235,822	15,093	1913	462,460	40,696
1860	15,000	1,778	1896	257,487	15,440	1914	542,122	42,286
1870	17,830	2,247	1897	282,169	20,316	1915	550,055	51,706
1880	95,725	9,573	1898	302,148	22,093	1916	571,134	78,817
1881	114,495	10,992	1899	298,047	26,824	1917	610,769	105,052
1882	129,780	12,718	1900	367,773	32,394	1918	649,195	90,908
1883	140,297	12,006	1901	371,032	30,909	1919	482,220	51,115
1884	136,297	10,089	1902	397,892	30,167	1920	529,657	84,745
1885	126,192	10,095	1903	368,939	30,991	1921	448,889	40,373
1886	132,180	12,161	1904	393,452	33,837	1922	632,662	88,593
1887	156,630	14,497	1905	388,397	36,501	1923	618,322	86,565
1888	176,015	15,489	1906	404,746	46,141	1924	690,498	110,479
1889	178,367	13,912	1907	413,380	43,819	1925	766,969	133,453
1890	167,844	14,206	1908	396,594	38,311	1926	798,941	127,831
1891	198,363	17,699	1909	446,909	33,494	1927	796,830	100,363
1892	208,223	17,074	1910	470,272	14,384	1928	781,071	90,604

Year	Class		Source			Average value per pound	Antimonial lead, total production	Secondary lead recovered, total
	Desilverized ¹	Soft	Domestic ores and bullion ²	Foreign ores	Foreign base bullion			
1870		17,830	17,830			\$0.063		
1880	68,085	27,690	95,725			.050	2,100	
1885	104,217	21,975	126,192			.040	3,220	
1890	126,493	31,351	139,720		18,124	.045	3,910	
1895	195,932	39,800	159,649		76,173	.032	6,060	
1900	319,752	48,021	260,918		106,855	.044	9,906	
1905	302,852	35,465	307,514		80,793	.047	10,995	
1910	328,954	141,318	375,402	18,065	76,805	.044	14,069	55,422
1915	388,594	161,461	507,026	9,581	38,448	.047	23,224	78,900
1920	339,803	186,854	476,849	8,414	44,394	.080	12,635	124,650
1925	506,400	200,500	654,921	47,024	65,024	.087	19,667	226,880
1926	540,376	258,505	680,685	48,210	70,046	.080	22,524	277,390
1927	562,586	233,944	668,320	32,369	95,841	.063	24,347	276,000
1928	556,068	225,003	626,202	26,632	128,237	.058	33,058	308,630

¹ Desilverized soft lead is included.

² Excludes antimonial lead.

No. 750.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

[Production in short tons (2,000 pounds). See note to Table 749]

Source of ore	1910	1915	1920	1924	1925	1926	1927	1928
Total	494,081	580,041	547,165	706,086	798,490	814,086	812,545	707,566
From domestic ore	389,211	537,012	494,347	682,000	684,451	695,830	684,165	642,697
Arizona	948	0,953	5,987	9,372	10,281	10,046	7,918	8,144
Colorado	38,542	32,352	17,752	25,491	31,855	37,553	37,040	28,639
Idaho	109,951	160,680	117,191	123,709	123,363	132,564	150,618	141,748
Kansas	1,368	1,320	8,421	12,895	15,001	20,884	7,520	20,889
Missouri	161,659	195,634	171,999	191,561	208,547	218,083	210,366	192,789
Montana	1,943	4,853	13,231	21,226	22,008	26,350	23,041	20,470
Nevada	2,246	7,664	8,050	8,070	10,978	11,379	8,680	6,823
Oklahoma	1,805	4,340	68,494	56,017	78,487	70,004	65,790	52,817
Utah	90,005	106,105	64,006	119,318	166,844	151,127	155,199	151,724
Wisconsin	3,909	2,632	3,841	1,973	2,889	2,052	2,067	1,812
Undistributed	4,658	9,911	10,409	11,068	14,657	14,653	14,011	16,696
Zinc residue	2,237	4,562	4,366	1,320	1,541	605	1,905	1,102
From foreign ore ¹	18,665	0,581	8,414	46,385	47,024	48,210	32,539	26,632
Africa	3,319		1,171			0	12	
Canada	25	1,174	1,180	4,635	10,670	5,385	4,133	10,123
Mexico	11,704	5,437	2,729	33,328	31,107	32,693	22,844	14,839
South America	2,966	2,829	2,747	7,663	4,490	9,893	5,506	1,568
From foreign base bullion ¹	76,805	33,448	44,394	77,701	65,024	70,046	95,841	128,337
Canada			1,919					
Mexico	76,805	33,173	2,4241	77,701	65,024	70,046	95,841	117,193

¹ Totals include small unspecified items.

Source of Tables 749 and 750: Bureau of Mines, Department of Commerce.

No. 751.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

NOTE.—All data in short tons (2,000 pounds). Apparent consumption is only approximate, as no account is taken of changes in stocks outside of bonded warehouses

	1910	1915	1920	1924	1925	1926	1927	1928
Supply, total.....	478, 836	550, 467	565, 610	705, 357	779, 035	818, 255	809, 708	701, 197
Stock in bonded warehouses Jan. 1.....	70	2	234	2, 017	5, 045	8, 162	10, 711	9, 464
Imports of pigs, bars, and old Production from domestic and foreign ore.....	3, 485	410	35, 710	12, 247	7, 021	11, 152	2, 467	602
470, 272	550, 055	520, 657	690, 433	760, 960	798, 041	790, 530	781, 071	
Deductions, total.....	78, 061	130, 007	27, 590	102, 410	123, 380	100, 602	146, 206	133, 632
Exports of foreign lead: From warehouses.....	69, 786	38, 618	17, 363	70, 758	93, 504	67, 600	123, 734	102, 067
In manufactures with benefit of drawback.....	8, 500	3, 983	6, 175	15, 275	11, 609	17, 055	11, 505	13, 224
Exports of domestic lead.....	88, 300	2, 730	5, 332	4, 955	4, 270	2, 533	14, 202	
Stock in bonded warehouses Dec. 31.....	75	1, 322	5, 045	8, 162	10, 711	9, 464	4, 130	
Apparent consumption.....	306, 175	419, 560	538, 020	602, 947	655, 655	717, 053	683, 412	667, 565

¹ Includes exports of pigs, bars, etc., produced from foreign ore and reexports of foreign lead imported in the form of pigs and bars.

Source: Bureau of Mines, Department of Commerce.

No. 752.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS, ¹ 1927

NOTE.—This table shows the production of the commodities specified, whether made as primary or as secondary products by the industries reporting them. The census designations of the industries in which these commodities are made as primary products are as follows: Rabbitt metal, type metal, and solder; brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified; lead bar, pipe, and sheet; and smelting and refining, metals other than gold silver, or platinum, not from the ore

[Quantities in thousands of pounds; values in thousands of dollars]

Kind	1927		Kind	1927	
	Quantity	Value		Quantity	Value
Ingot and pigs:			Castings, rough:		
Copper (secondary).....	33, 674	4, 254	Brass and bronze—		
Lead (secondary).....	247, 403	14, 774	Weight reported.....	307, 675	59, 320
Zinc (secondary).....	99, 627	5, 980	Weight not reported.....		6, 952
Brass and bronze.....	249, 604	20, 504	Copper.....	4, 511	1, 313
Rabbitt.....	77, 091	17, 467	Nickel and nickel alloys.....		1, 772
Solders, of all kinds.....	97, 700	20, 858	Finished products:		
Type metal.....	74, 269	7, 341	Castings, finished, brass and bronze.....		16, 321
Flates and sheets:			Bearings and bushings, brass and bronze (including Bab- bitt-lined bearings).....		18, 513
Brass and bronze.....	320, 573	60, 768	Die castings, total.....		20, 060
Copper.....	185, 205	39, 232	Aluminum and zinc base alloys.....		19, 266
Lead.....	52, 591	4, 807	Brass and bronze.....		794
Nickel and nickel alloys.....		12, 583	Extruded shapes, total.....		2, 788
Rods and bars:			Brass and bronze.....		2, 611
Brass and bronze.....	183, 361	28, 241	Copper.....		177
Copper.....	220, 110	32, 476	Forgings and hot-pressed parts, brass.....		4, 214
Nickel and nickel alloys.....		3, 985	Ornamental grilles and rail- ings, brass and bronze.....		6, 813
Tubing (seamless) and pipe:			Bells.....		320
Brass and bronze.....	124, 589	25, 910			
Copper.....	72, 329	17, 852			
Lead.....	87, 069	8, 292			
Nickel and nickel alloys.....		545			
Tubing, brazed (practically all brass).....	12, 297	3, 354			
Wire, bare: ²					
Brass and bronze.....	64, 769	13, 283			
Copper.....	159, 705	25, 366			

¹ This table does not include data for establishments engaged in smelting and refining ores containing copper, lead, zinc, and other nonferrous metals.

² Does not include wire made by establishments engaged primarily in the drawing of wire.

Source: Bureau of the Census, Department of Commerce.

No. 753.—ZINC: PRODUCTION, EXPORTS, STOCKS, AND APPARENT CONSUMPTION

NOTE.—The excess of mine production over smelter production is due chiefly to export of ore
[All quantity figures in short tons (2,000 pounds); values in thousands of dollars]

	1910	1915	1920	1924	1925	1926	1927	1928 ¹
Mine production (recoverable zinc content of ore).....	327,618	587,595	587,524	637,977	710,847	774,583	718,541	637,300
Colorado.....	38,545	52,237	24,305	28,364	30,811	32,500	35,865	32,602
Idaho.....	2,802	35,077	13,906	7,670	15,619	26,307	26,778	31,263
Kansas.....	13,220	14,365	61,073	105,392	118,778	126,307	109,427	107,251
Missouri.....	128,586	136,300	24,500	12,920	14,704	26,018	18,737	12,974
Montana.....	15,810	93,573	92,160	94,238	57,658	73,701	80,231	52,830
Nevada.....	1,354	12,188	5,340	5,501	7,411	6,409	3,172	3,167
New Jersey.....	68,584	117,722	78,611	84,370	89,261	80,629	95,695	-----
New Mexico.....	9,044	12,702	5,007	10,380	9,246	12,052	29,892	32,820
New York.....	-----	2,455	5,654	4,604	5,158	5,041	3,750	-----
Oklahoma.....	6,394	14,314	219,727	269,137	283,371	272,567	206,611	150,252
Tennessee.....	966	16,461	10,217	14,370	16,256	12,008	-----	-----
Utah.....	8,184	12,140	4,079	0,281	26,306	47,500	49,593	46,920
Wisconsin.....	25,927	41,403	27,285	14,027	20,230	26,800	32,841	18,417
Other States.....	8,181	26,502	6,583	7,657	16,948	27,544	15,639	-----
Smelter production.....	310,407	642,419	508,227	576,295	634,376	692,992	657,816	673,261
Primary zinc.....	269,184	489,519	463,377	517,339	572,946	618,422	592,516	602,681
From domestic ore.....	252,479	458,135	450,045	515,851	555,631	611,951	576,960	591,525
From foreign ore.....	10,705	31,384	13,332	1,508	17,315	6,431	16,556	11,056
Secondary zinc.....	41,223	52,900	42,850	58,886	61,430	64,570	64,800	70,700
Redistilled.....	12,764	20,764	21,371	35,486	39,181	40,700	42,754	48,666
Remelted.....	28,430	23,136	21,479	23,400	22,249	23,771	22,016	22,034
Value of primary product from domestic ore (\$1,000).....	27,268	113,617	72,007	67,058	84,456	91,709	73,851	72,166
Primary zinc consumed:								
Supply, total.....	282,350	510,518	508,347	545,252	603,724	631,524	619,512	656,106
Stock, Jan. 1.....	11,206	20,095	36,793	27,888	20,754	13,080	26,937	53,522
Produced.....	200,184	489,519	463,377	517,339	572,046	618,422	592,516	602,681
Imported.....	1,060	904	8,177	25	24	22	59	581
Deductions:								
Exports, total.....	13,234	131,410	114,267	76,241	80,547	47,561	49,617	20,582
Stock, Dec. 31.....	23,232	14,253	71,637	20,754	13,080	26,937	63,522	48,432
Apparent domestic consumption.....	245,884	304,855	323,043	448,257	500,007	557,028	516,373	578,092

¹ Total mine production figures and data for some States are preliminary; data for other States are not yet available.

Source: Bureau of Mines, Department of Commerce.

No. 754.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

[Quantities in short tons (2,000 pounds); values¹ in thousands of dollars]

Yearly average or year	Quantity	Value	Yearly average or year	Quantity	Value	Year	Quantity	Value
1875.....	15,833	² 2,217	1921-1925.....	426,201	56,149	1920.....	450,045	72,907
1880 ³	23,239	2,277	1911.....	271,621	30,965	1921.....	198,232	19,828
1885.....	30,688	3,540	1912.....	323,907	44,909	1922.....	363,274	40,173
1890-1890.....	54,285	6,219	1913.....	337,252	37,727	1923.....	508,335	69,134
1891-1895.....	82,300	6,787	1914.....	313,418	35,029	1924.....	515,831	67,058
1896-1900.....	103,963	10,180	1915.....	453,135	113,617	1925.....	555,631	84,456
1901-1905.....	169,504	17,067	1916.....	504,338	151,243	1926.....	611,991	91,709
1906-1910.....	219,378	24,105	1917.....	534,897	119,258	1927.....	576,600	73,851
1911-1915.....	316,867	52,416	1918.....	492,405	89,618	1928.....	501,525	72,166
1916-1920.....	508,731	99,812	1919.....	452,272	66,032			

¹ Values at New York prices up to and including 1907; at St. Louis prices, 1908 to 1914; at average price all grades, 1915 and later years.

² Computed at yearly average of high and low monthly prices at New York.

³ Census year ended May 31.

Source: Bureau of Mines, Department of Commerce.

No. 755.—GOLD AND SILVER: PRODUCTION FROM MINES IN CONTINENTAL UNITED STATES, ALASKA, AND PHILIPPINE ISLANDS

NOTE.—The value of gold, in terms of money, being unchanging at \$20.67+ per fine ounce, is not shown in the table. The value of silver given is commercial value (Pittman Act value for 1921 to June, 1923), which at times has differed materially from coinage value

[Figures are totals for period or for year]

Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars	Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars
1702-1847	1,187	310	405	1898	3,118	54,438	22,118
1848-1850	4,898	116	152	1899	3,437	54,765	32,850
1851-1855	14,271	104	250	1900	3,830	67,647	35,741
1856-1860	12,384	309	418	1901	3,806	55,214	33,128
1861-1865	10,716	28,811	38,074	1902	3,870	56,500	20,415
1866-1870	12,226	49,113	65,261	1903	3,560	54,300	29,322
1871-1875	8,826	121,083	156,270	1904	3,892	67,683	33,450
1876-1880	10,301	157,681	182,506	1905	4,266	56,102	34,222
1881-1885	7,730	182,841	202,807	1906	4,565	50,518	38,256
1886-1890	8,073	231,810	227,495	1907	4,375	56,516	37,300
1891-1895	9,107	287,057	227,960	1908	4,674	62,441	28,061
1896-1900	15,726	279,544	172,689	1909	4,822	54,722	28,455
1901-1905	19,394	278,798	159,543	1910	4,657	67,138	30,865
1906-1910	22,903	277,333	162,916	1911	4,087	60,390	32,616
1911-1915	22,968	338,384	189,626	1912	4,521	63,767	30,198
1916-1920	17,246	326,000	298,852	1913	4,300	60,802	40,348
1921-1925	12,104	313,757	258,802	1914	4,573	72,455	40,009
1893	1,451	35,733	39,618	1915	4,898	74,061	37,397
1894	1,400	37,744	41,021	1916	4,479	74,415	48,063
1895	1,638	39,000	42,504	1917	4,051	71,740	59,078
1896	1,687	39,694	39,482	1918	3,321	67,810	66,485
1897	1,603	41,722	40,887	1919	2,910	56,682	63,584
1898	1,604	45,793	43,045	1920	2,476	56,362	60,802
1899	1,595	50,005	46,838	1921	2,422	53,052	53,052
1900	1,589	54,516	57,242	1922	2,363	56,240	56,240
1901	1,605	58,330	57,030	1923	2,503	73,335	60,135
1902	1,597	63,500	55,063	1924	2,520	65,047	43,823
1903	1,739	60,000	46,800	1925	2,412	60,155	45,012
1904	1,911	49,600	31,422	1926	2,335	62,719	39,136
1905	2,255	55,727	36,446	1927	2,107	60,434	34,266
1906	2,568	58,835	39,655	1928	2,104	50,020	32,772
1907	2,775	53,860	32,316				

State or Territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1928, 1,000 dollars
	1910	1920	1925	1927	1928	1910	1920	1925	1927	1928	
Total	4,657	2,476	2,412	2,197	2,194	57,138	55,302	66,155	60,434	56,020	92,772
Alaska	787	413	301	280	310	154	822	760	000	463	271
Arizona	185	240	204	203	185	2,050	5,432	7,371	0,601	6,347	3,713
California	989	176	642	565	523	1,792	1,055	3,240	1,568	1,410	825
Colorado	963	303	357	269	254	8,523	5,107	4,435	3,941	3,973	2,324
Idaho	50	23	20	15	21	7,027	7,305	7,603	8,920	8,878	5,194
Michigan						262	512	130	52	4	3
Montana	180	92	84	56	58	12,283	13,203	12,597	11,810	10,002	5,851
Nevada	913	175	180	149	175	12,366	7,482	6,847	5,373	5,392	3,154
New Mexico	23	22	30	25	32	770	700	800	765	799	468
Oregon	33	50	19	14	10	44	102	35	42	28	17
South Dakota	260	210	288	323	320	121	88	98	93	90	52
Texas	(?)	(?)		(?)	-	364	523	555	943	1,391	814
Utah	200	103	181	200	205	10,446	11,755	21,241	19,354	16,856	9,801
Washington	39	7	11	10	16	205	178	106	102	94	55
Philippine Islands	7	62	92	80	86	2	22	40	40	36	21
Other	8	(?)	3	1	2	115	266	166	174	256	150

1 For 1921, 1922, and first half of 1923 price is taken at the figure of \$1 per ounce fixed by the Pittman Act
 2 Less than 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department.

No. 756.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

Yearly average or year	Gold in thousands of dollars					Silver in thousands of fine ounces				
	New material			Old material	Grand total	New material			Old material	Grand total
	United States coin ¹	Bullion and foreign coin	Total			United States coin ¹	Bullion and foreign coin	Total		
1880.....	3,300	5,511	8,811	1,294	10,105	464	2,126	2,590	204	2,794
1881-1885.....	3,715	6,991	10,706	1,863	12,569	155	3,685	3,840	315	4,155
1886-1890.....	3,500	8,512	12,012	4,029	16,041	165	4,831	4,996	676	5,672
1891-1895.....	3,500	7,948	11,448	5,060	16,508	108	6,938	7,046	951	7,997
1896-1900.....	3,500	9,398	12,898	4,067	16,965	77	8,937	9,014	1,200	10,214
1901-1905.....	3,500	18,218	21,718	6,778	28,496	77	16,447	16,524	3,002	19,526
1906-1910.....	3,500	26,941	30,441	7,708	38,149	77	20,807	20,884	3,069	24,553
1911-1915.....	3,500	31,198	34,698	8,106	42,803	77	23,438	23,516	6,928	30,444
1916-1920.....	3,500	40,292	43,792	19,026	62,818	77	22,011	22,089	9,126	31,214
1921-1925.....	3,500	31,192	34,692	27,631	62,323	77	28,538	28,616	8,189	36,805
1919.....	3,500	52,036	56,136	19,354	75,490	77	26,160	26,238	6,463	32,701
1920.....	3,500	50,510	54,010	28,205	82,215	77	19,203	19,280	8,694	27,975
1921.....	3,506	19,560	23,050	27,624	50,674	77	28,766	28,844	7,024	35,868
1922.....	3,500	32,822	36,322	23,484	59,806	77	31,209	31,287	6,624	37,910
1923.....	3,500	36,513	40,013	29,279	69,292	77	28,278	28,356	8,470	36,826
1924.....	3,500	34,413	37,913	27,975	65,888	77	24,587	24,664	8,931	33,595
1925.....	3,500	32,662	36,162	29,702	65,864	77	20,807	20,884	9,897	39,527
1926.....	3,500	39,768	43,268	31,065	74,334	77	29,330	29,408	10,001	39,408
1927.....	3,500	29,357	32,857	26,461	59,319	77	28,416	28,493	10,155	38,649

¹ Estimated.

No. 757.—SILVER: PRICE, AND VALUE OF SILVER IN THE DOLLAR

NOTE.—The London price is converted to the basis of the ounce 1,000 fine and converted to American money throughout at par of exchange, notwithstanding the fact that from 1918 to 1924, inclusive, the pound sterling was depreciated as compared to the dollar. During this period of depreciation the commercial ratio and the value of the silver (371¼ grains) in the dollar are computed on the basis of the New York average price; for other years they are computed on the basis of the London quotations, which were at all times close to the New York quotations.

Calendar year	London, per fine ounce	New York, per fine ounce			Com-mer-cial ratio to gold	Value of silver in dol-lar	Calendar year	Lon-don, per fine ounce	New York, per fine ounce			Com-mer-cial ratio to gold	Value of silver in dol-lar
		Aver-age	High	Low					Aver-age	High	Low		
1835.....	1.308				15.80	1900.....	0.620	0.621	0.658	0.598	33.33	0.480	
1840.....	1.323				15.92	1901.....	.596	.597	.645	.548	34.68	.461	
1845.....	1.298				15.92	1902.....	.528	.528	.569	.474	39.15	.408	
1850.....	1.310				15.71	1903.....	.543	.542	.624	.475	38.10	.420	
1855.....	1.344				15.38	1904.....	.579	.578	.625	.534	35.70	.448	
1860.....	1.352				15.20	1905.....	.610	.610	.665	.556	37.87	.472	
1865.....	1.338				15.44	1906.....	.677	.674	.724	.631	30.54	.524	
1870.....	1.328				15.57	1907.....	.662	.660	.710	.528	31.24	.512	
1875.....	1.242	1.239	1.261	1.210	16.64	1908.....	.585	.585	.589	.483	38.64	.414	
1880.....	1.145	1.139	1.150	1.113	18.05	1909.....	.520	.522	.545	.508	39.74	.402	
1882.....	1.136	1.139	1.150	1.090	18.20	1910.....	.541	.542	.576	.508	38.22	.418	
1883.....	1.109	1.087	1.118	1.095	18.64	1911.....	.539	.540	.575	.521	38.33	.417	
1884.....	1.111	1.112	1.133	1.080	18.61	1912.....	.615	.620	.656	.583	33.62	.478	
1885.....	1.095	1.064	1.095	1.028	19.41	1913.....	.605	.612	.651	.580	34.19	.465	
1886.....	.995	.999	1.035	.925	20.78	1914.....	.553	.563	.609	.490	37.37	.428	
1887.....	.979	.979	1.035	.950	21.10	1915.....	.519	.511	.580	.478	33.84	.401	
1888.....	.940	.943	.978	.920	22.00	1916.....	.686	.672	.701	.573	30.11	.531	
1889.....	.935	.936	.973	.925	22.10	1917.....	.895	.840	1.165	.781	23.09	.692	
1890.....	1.016	1.053	1.205	.958	19.75	1918.....	1.042	.984	1.025	.894	21.00	.761	
1891.....	.988	.990	1.075	.948	20.92	1919.....	1.250	1.121	1.368	1.018	18.44	.867	
1892.....	.871	.876	.953	.830	23.72	1920.....	1.346	1.019	1.368	.608	20.27	.788	
1893.....	.780	.782	.850	.805	26.49	1921.....	.805	.631	.738	.532	32.75	.483	
1894.....	.635	.640	.700	.655	32.56	1922.....	.754	.679	.742	.629	30.43	.525	
1895.....	.654	.663	.690	.600	31.60	1923.....	.700	.682	.690	.629	31.69	.509	
1896.....	.676	.682	.703	.656	30.69	1924.....	.745	.671	.724	.630	30.80	.515	
1897.....	.694	.698	.661	.528	34.20	1925.....	.703	.694	.732	.668	29.38	.537	
1898.....	.600	.601	.623	.551	35.03	1926.....	.629	.624	.689	.518	32.88	.463	
1899.....	.602	.605	.648	.580	34.30	1927.....	.571	.567	.603	.542	36.22	.488	

Source: Tables 766 and 767: Annual Reports of the Director of the Mint, Treasury Department.

No. 758.—COAL PRODUCTION: QUANTITY AND VALUE

NOTE.—Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars. Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only; those for bituminous relate to continental United States and Alaska. Bituminous coal includes brown coal and small amounts of anthracite outside of Pennsylvania. Comparatively little coal is held in stock at the mines

Year or yearly average	Quantity			Year	Quantity			Value	
	Total	An-thra-cite	Bitumi-nous		Total	An-thra-cite	Bitumi-nous	An-thra-cite	Bitumi-nous
1821-1830	140	66	75	1906	414,157	71,282	342,875	131,918	381,622
1831-1840	1,032	722	310	1907	480,363	85,604	394,759	163,684	451,215
1841-1850	4,635	2,997	1,837	1908	415,843	83,209	332,634	155,179	374,135
1851-1860	12,513	7,045	4,868	1909	460,815	81,070	379,744	149,182	405,487
1861-1865	20,638	11,142	9,390	1910	501,590	84,485	417,111	160,275	469,282
1866-1870	31,700	16,281	15,425	1911	496,371	90,464	405,907	175,189	451,376
1871-1875	52,170	23,407	28,773	1912	534,467	84,302	450,165	177,623	517,093
1876-1880	62,261	25,500	36,461	1913	569,960	91,525	478,435	195,181	595,235
1881-1885	107,201	36,198	71,003	1914	513,525	90,822	422,704	188,181	493,309
1886-1890	138,398	43,952	94,446	1915	531,619	88,995	442,624	184,653	502,038
1891-1895	178,822	53,405	125,416	1916	590,998	87,578	502,520	202,010	605,116
1896-1900	227,123	55,625	171,493	1917	651,402	99,612	551,791	283,651	1,240,273
1901-1905	330,357	60,854	272,503	1918	678,212	98,326	579,886	304,480	1,461,810
1906-1910	454,655	81,142	373,413	1919	653,952	88,092	565,860	304,027	1,160,616
1911-1915	529,189	89,233	439,955	1920	658,266	89,598	568,667	434,252	2,129,933
1916-1920	626,386	92,741	533,645	1921	500,395	90,473	410,922	452,305	1,199,984
1921-1925	558,947	77,048	481,299	1922	476,951	54,683	422,268	273,700	1,274,820
1901	293,300	67,472	225,828	1923	657,904	93,339	564,565	506,787	1,514,621
1902	301,590	41,374	260,217	1924	571,613	87,927	483,687	477,231	1,022,026
1903	357,556	74,007	282,749	1925	581,870	61,817	520,053	327,605	1,060,402
1904	351,816	73,157	278,660	1926	657,804	84,437	573,367	474,164	1,183,412
1905	392,723	77,600	315,063	1927	597,859	80,096	517,763	420,942	1,020,657
				1928	569,480	76,734	492,745	400,374	946,090

State	1880	1890	1900	1911-1915	1916-1920	1921-1925	1926 ¹	1927 ¹	1928 ²
Total quantity	71,492	157,771	269,684	520,189	626,386	556,947	657,804	597,859	569,480
Anthracite (Pa.)	28,650	46,469	57,368	89,233	92,741	77,048	84,837	80,096	76,734
Bituminous	42,831	111,302	212,316	430,956	533,645	481,200	573,367	517,763	492,745
Alabama	324	4,090	8,394	15,864	17,834	18,097	21,001	19,706	17,490
Arkansas	16	400	1,448	1,986	1,980	1,261	1,459	1,549	1,800
Colorado	463	3,077	5,244	9,433	11,595	10,049	10,637	9,724	9,877
Illinois	0,115	15,292	25,768	58,320	78,255	98,523	69,367	46,848	55,640
Indiana	1,454	3,396	6,484	16,060	25,515	21,677	23,186	17,936	15,935
Iowa	1,461	4,022	5,203	7,442	7,571	4,952	4,025	2,950	3,910
Kansas	771	2,260	4,468	6,811	6,556	3,827	4,410	3,444	2,220
Kentucky	946	2,701	5,329	18,380	36,108	43,743	62,024	60,124	63,265
Maryland	2,229	3,368	4,025	4,549	4,158	2,033	3,078	2,815	2,780
Michigan	101	75	849	1,271	1,301	970	687	757	565
Missouri	844	2,735	3,540	4,048	5,086	3,011	3,068	3,064	3,400
Montana	(3)	517	1,662	2,972	4,008	2,861	2,798	3,144	3,170
New Mexico		376	1,299	3,018	3,728	2,772	2,818	2,930	2,905
North Dakota		30	130	566	787	1,221	1,370	1,528	1,828
Ohio	6,009	11,495	18,988	28,553	40,609	31,590	27,872	15,800	15,095
Oklahoma	121	809	1,022	3,720	4,292	2,741	2,843	3,818	3,050
Pennsylvania	18,425	42,302	70,842	157,229	198,532	133,721	153,042	132,965	124,720
Tennessee	495	2,170	3,510	6,288	6,208	5,078	5,780	5,783	5,680
Texas		184	968	2,201	1,983	1,084	1,091	1,326	895
Utah	16	318	1,147	2,090	4,090	4,593	4,374	4,781	4,810
Virginia	43	784	2,304	7,924	10,168	10,648	14,133	12,010	12,330
Washington	145	1,204	2,474	3,261	3,576	2,026	2,587	2,635	2,184
West Virginia	1,836	7,396	22,647	69,353	86,309	97,044	143,509	145,122	132,600
Wyoming	590	1,870	4,015	6,907	8,555	6,812	6,512	6,754	6,486
Miscellaneous	435	11,412	565	250	190	239	230	270	190

¹ Exclusive of product of wagon mines.

² Preliminary.

³ Less than 500 tons.

Source: Bureau of Mines, Department of Commerce.

No. 759.—COAL: EXPORTS, IMPORTS, AND BUNKER COAL LADEN ON VESSELS IN FOREIGN TRADE

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

Yearly average or year	Total exports ¹		Anthracite exports		Bituminous exports ¹		Total imports		Bunker coal	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1891-1895 ²	3,028	10,012	1,128	4,929	1,900	5,081	1,237	3,984		
1896-1900 ²	4,710	13,300	1,469	6,268	3,241	7,032	1,403	3,831		
1901-1905 ²	7,750	24,254	1,846	8,782	5,903	15,472	2,287	6,370		
1906 ²	9,126	28,216	1,970	9,722	7,156	18,494	1,867	4,481	³ 5,110	³ 16,111
1907 ²	11,294	34,728	2,482	12,155	8,812	22,573	1,713	4,263	³ 4,460	³ 14,170
1908 ²	12,723	39,356	2,538	13,837	9,885	25,516	2,006	5,231	³ 6,887	³ 19,079
1909 ²	11,889	37,317	2,870	14,275	9,019	23,041	1,232	3,519	³ 6,004	³ 19,672
1910	13,806	41,471	3,022	14,785	10,784	26,085	1,992	5,381	³ 6,336	³ 20,350
1911	17,433	52,593	3,554	18,093	13,879	34,500	1,241	3,623	³ 6,507	³ 20,974
1912	18,149	56,243	3,089	19,425	14,460	36,818	1,610	4,518	³ 7,092	³ 22,804
1913	22,141	67,410	4,184	21,960	17,937	45,450	1,415	3,868	³ 7,350	³ 23,690
1914	17,632	54,316	3,830	20,211	13,802	34,105	1,395	3,928	³ 7,812	³ 25,571
1915	20,305	61,246	3,540	18,429	16,765	42,817	1,524	4,413	³ 7,063	³ 23,694
1916	23,143	68,298	4,166	22,470	18,977	45,828	1,536	4,734	7,826	27,492
1917	26,049	110,413	5,364	30,910	21,285	79,503	1,304	4,842	6,888	31,845
1918	24,392	107,881	4,436	29,216	19,956	78,605	1,324	6,898	5,532	29,898
1919	22,402	120,377	4,443	36,668	17,959	83,709	977	5,473	7,348	48,206
1920	39,215	349,811	4,825	45,538	34,390	304,273	1,140	6,992	9,362	52,402
1921	24,829	108,222	4,176	45,625	20,653	122,597	1,131	7,457	7,548	52,278
1922	13,449	91,242	2,366	25,351	11,083	65,892	4,726	28,260	4,120	27,913
1923	23,700	164,124	4,545	49,577	19,155	104,547	1,949	12,249	4,547	31,470
1924	18,855	111,039	3,587	40,083	15,268	70,971	478	3,019	3,983	22,883
1925	18,429	100,163	2,838	31,791	15,691	68,403	879	5,846	4,344	23,398
1926	35,091	190,905	3,598	41,686	31,493	155,319	1,201	9,301	6,907	33,025
1927	19,051	104,257	2,969	32,528	16,082	71,329	597	3,284	4,076	29,077
1928	17,412	92,120	2,979	32,657	14,433	59,464	831	4,989	3,834	20,288

¹ Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.

² Fiscal years ended June 30.

³ Figures do not include coal laden on vessels on the Great Lakes.

No. 760.—COAL: SHIPMENTS, AVERAGE VALUE PER TON, AND MEN EMPLOYED

Calendar year	Thousand tons (2,000 pounds)				Average value per ton	Men employed	Average number of days worked	Average tonnage per man—		Per cent mined by machine	Calculated capacity, at 280 days (million tons ¹)
	Landed for shipment	Sold locally	Used by mines	Made into coke at mines				Per day	Per year		
ANTHRACITE											
1890	41,011	2,001	3,457		\$1.43	126,000	200	1.85	369	(?)	(?)
1895	62,093	1,315	4,591		1.41	142,917	196	2.07	406	(?)	(?)
1900	50,710	1,208	5,550		1.49	144,268	166	2.40	398	(?)	(?)
1905	69,053	1,571	7,036		1.83	165,406	215	2.18	470	(?)	(?)
1910	73,623	2,021	8,841		1.90	169,497	229	2.17	498	(?)	(?)
1915	76,900	2,092	9,997		2.07	176,552	230	2.19	504	1.5	(?)
1920	76,844	2,897	9,858		4.85	145,074	271	2.28	618	1.1	(?)
1923	82,239	3,248	9,862		5.43	157,743	268	2.21	592	1.4	(?)
1924	77,247	3,044	7,635		5.43	160,009	274	2.00	560	1.7	(?)
1925	53,768	2,885	5,164		5.30	160,312	182	2.12	386	1.6	(?)
1926	75,319	2,687	6,431		5.62	165,386	244	2.09	511	1.1	(?)
1927	70,495	3,047	6,554		5.28	165,259	225	2.15	485	1.5	(?)
BITUMINOUS											
1890	87,373	7,008	1,007	15,332	.99	192,204	220	2.56	579	³ 5.3	137
1895	106,287	8,340	2,080	18,404	.80	239,962	194	2.90	563	³ 11.9	190
1900	173,072	7,898	3,740	27,035	1.04	304,375	234	2.98	697	24.9	255
1905	255,201	10,639	7,007	42,412	1.06	400,629	211	3.24	684	32.8	417
1910	342,969	12,287	9,698	52,187	1.12	555,533	217	3.46	751	41.7	538
1915	379,877	12,354	9,790	50,595	1.13	557,456	203	3.91	794	55.0	610
1920	504,873	21,289	11,896	30,608	3.76	639,547	220	4.00	881	50.8	725
1923	505,600	21,933	8,765	27,859	2.68	702,817	179	4.47	801	66.0	885
1924	441,566	21,111	6,018	14,392	2.20	619,004	171	4.56	780	69.5	702
1925	477,173	21,351	5,776	15,768	2.04	588,493	195	4.52	884	70.6	748
1926	526,286	23,002	5,728	17,751	2.06	593,647	215	4.50	966	71.7	747
1927	480,223	21,800	4,930	10,720	1.90	593,918	191	4.55	872	72.2	769

¹ Of 2,000 pounds.

² Not available.

³ 1891.

⁴ 1896.

Sources: Table 759, Bureau of Foreign and Domestic Commerce; Table 760, Bureau of Mines, Department of Commerce.

No. 761.—CONSUMPTION OF BITUMINOUS COAL: BY THE PRINCIPAL CLASSES OF CONSUMERS IN THE UNITED STATES, 1889-1927

NOTE.—Data are partly estimated and subject to revision, especially for 1927

	1889	1890	1904	1909	1914	1919	1923	1927
Consumption (million net tons), ¹ total.....	95.8	190.3	273.2	370.3	408.3	481.6	519.0	499.8
(a) Colliery fuel.....	1.4	3.1	6.3	9.5	10.4	11.1	8.8	4.9
(b) Local sales at mines, not shipped ²	0.4	7.8	9.6	12.0	13.0	18.1	22.1	21.9
(c) Locomotive fuel, all steam roads.....	26.5	53.4	81.0	106.0	117.0	124.7	137.0	121.0
(d) Bunkers, vessels in foreign trade.....	1.9	3.8	5.5	6.8	8.2	8.2	5.0	4.6
(e) Coke ovens, beehive and by-product.....	16.0	30.2	36.5	59.4	51.6	65.0	84.4	74.4
(f) Iron and steel works (gas coal and steam coal) ³	5.1	11.8	13.8	20.9	22.2	28.2	30.2	25.3
(g) Coal and water gas plants ⁴	1.9	2.3	3.5	3.8	4.4	4.4	4.9	5.3
(h) Electric public utilities ⁵.....	.....	7.6	13.5	18.7	24.6	32.0	35.5	39.8
(i) General manufacturing industries ⁶.....	.....	.....	.....	78.5	38.3	104.8	107.2	104.2
(j) Domestic and all other ⁷	36.0	70.3	103.5	154.7	69.1	84.5	83.9	98.4
Per cent of total consumption.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(a) Colliery fuel.....	1.5	1.6	2.3	2.6	2.6	2.3	1.7	1.0
(b) Local sales at mines, not shipped.....	6.7	4.1	3.5	3.2	3.2	3.8	4.3	4.4
(c) Locomotive fuel, all steam roads.....	27.7	28.1	29.7	28.6	28.6	25.9	26.4	24.2
(d) Bunkers, vessels in foreign trade.....	2.0	2.0	2.0	1.9	2.0	1.7	1.0	.9
(e) Coke ovens, beehive and by-product.....	16.7	15.9	13.4	16.0	12.6	13.6	16.3	14.9
(f) Iron and steel works (gas coal and steam coal).....	5.3	6.2	5.0	5.7	5.4	5.8	5.8	5.4
(g) Coal and water gas plants.....	2.1	1.2	1.3	1.0	1.1	.9	.9	1.1
(h) Electric public utilities.....	.....	4.0	4.9	5.0	6.0	6.7	6.8	7.9
(i) General manufacturing industries.....	.....	.....	.....	21.2	21.6	21.8	20.6	20.8
(j) Domestic and all other.....	38.0	36.9	37.9	44.8	16.9	17.5	16.2	19.7

¹ Of 2,000 pounds.

² Item (b) includes coal used by mine employees and sold for domestic purposes in the vicinity of the mine. It also includes an unknown amount taken by locomotive tenders at the tipple or sold to a near-by factory or power plant. It therefore involves an unknown amount of overlapping with items (c), (h), and (i). Double counting in the total is avoided by an adjustment in item (j), which is obtained by subtracting the sum of all other items from the known total.

³ Figures include all coal used except that charged in coke ovens.

⁴ Includes coal for gas making only. Excludes coal charged in by-product coke ovens operated by city gas companies, which is included under item (e).

⁵ Includes electric central stations and street railways. Data not available for 1889.

⁶ Excludes coal consumed in coke ovens, iron and steel works, and for gas making at coal and water-gas plants; includes consumption of railroad-car shops.

⁷ Includes heating of large buildings other than factories, and also some nondomestic uses not covered elsewhere. Obtained by subtraction; see item (b) and note 2. Because of this it is affected by any errors in the other items, and there is evidence that the figure for 1919 (84.5 million tons) is too high and the figure for 1923 (83.9 million tons) too low.

Source: Bureau of Mines, Department of Commerce (data were assembled from various original sources).

No. 762.—COAL: AVERAGE AND RELATIVE RETAIL PRICES¹ IN TON LOTS

Year	Anthracite—Chestnut				Anthracite—Stove				Bituminous			
	Average price		Relative price		Average price		Relative price		Average price		Relative price	
	Dollars 7.91		100		Dollars 7.73		100		Dollars 5.43		100	
1913 ¹	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July
1916.....	8.13	8.28	103	105	7.93	8.12	103	105	5.69	5.52	105	102
1917.....	9.40	9.16	119	116	9.29	9.08	120	118	6.96	7.21	128	133
1918.....	10.08	10.07	127	127	9.88	9.96	128	129	7.68	7.92	141	140
1919.....	11.61	12.17	147	154	11.51	12.14	149	157	7.90	8.10	145	149
1920.....	12.77	14.33	161	181	12.59	14.23	163	185	8.81	10.55	162	194
1921.....	16.13	14.95	204	189	15.99	14.90	207	193	11.82	10.47	218	193
1922.....	15.02	14.92	190	189	14.98	14.87	194	192	9.89	9.49	182	175
1923.....	15.46	15.05	195	190	15.43	15.10	200	199	11.18	10.04	206	185
1924.....	15.76	15.10	199	191	15.77	15.24	204	197	9.75	8.94	180	165
1925.....	15.37	14.93	194	189	15.45	15.14	200	196	9.24	8.91	170	169
1926.....	(²)	15.19	(³)	192	(³)	15.43	(³)	200	9.74	8.70	179	160
1927.....	15.42	14.81	195	187	15.06	15.15	203	196	9.96	8.91	183	164
1928.....	15.08	14.63	191	185	15.44	14.91	200	193	9.30	8.60	171	160
1929.....	15.06	.....	190	.....	15.38	.....	199	.....	9.09	.....	167	.....

¹ Prices represent combined averages for cities shown in Table 763.

² Average of prices for January and July, 1913. This is used as a base in working relative prices.

³ Insufficient data.

Source: Bureau of Labor Statistics, Department of Labor.

MINERAL PRODUCTS

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No. 763.—COAL: RETAIL PRICES, FOR HOUSEHOLD USE, AS OF JANUARY 15
 [Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

City	Anthracite, ¹ chestnut					Bituminous					
	1924	1925	1927	1928	1929	1924	1925	1926	1927	1928	1929
Atlanta, Ga.						8.13	7.32	8.47	8.07	7.93	7.97
Baltimore, Md.	² 16.50	² 15.75	² 16.50	² 15.25	² 15.50	7.90	7.38	8.00	8.32	8.07	8.00
Birmingham, Ala.						8.23	7.79	7.62	8.00	7.72	7.66
Boston, Mass.	16.00	16.00	16.25	16.00	16.00						
Bridgeport, Conn.	16.50	15.38	16.00	14.88	15.00						
Buffalo, N. Y.	13.66	13.56	13.37	13.61	13.53						
Butte, Mont.						11.42	11.05	11.04	11.02	10.89	10.03
Charleston, S. C.	² 17.10	² 17.10				12.00	11.60	11.00	11.00	11.00	9.07
Chicago, Ill.	17.00	16.70	16.80	16.46	16.45	8.69	8.51	9.48	9.85	9.21	³ 8.26
Cincinnati, Ohio.						8.09	7.21	7.77	7.89	7.68	³ 5.54
Cleveland, Ohio.	15.47	14.88	15.05	14.80	14.97	8.47	8.37	9.47	9.73	9.00	³ 7.43
Columbus, Ohio.						7.25	6.68	7.69	7.75	7.21	³ 6.09
Dallas, Tex.	² 17.58	² 17.75	² 16.00	² 15.75	² 15.50	14.68	14.22	13.83	13.22	12.70	13.17
Denver, Colo.	² 16.75	² 16.33	² 16.00	² 16.00	² 16.00	10.72	9.47	10.68	10.73	10.50	10.52
Detroit, Mich.	16.13	15.38	15.75	15.50	15.50	9.48	8.93	10.69	10.34	9.31	³ 8.33
Fall River, Mass.	15.92	15.83	16.25	16.25	16.25						
Houston, Tex.						13.17	12.38	12.75	13.50	12.80	13.20
Indianapolis, Ind.	16.50	16.50				7.10	7.15	7.53	7.67	7.27	³ 6.38
Jacksonville, Fla.						13.00	12.00	14.00	14.00	14.00	12.00
Kansas City, Mo.	² 16.29	² 15.17	² 14.50	² 14.10	² 12.60	8.50	8.13	7.93	7.81	7.50	7.33
Little Rock, Ark.	² 15.00	² 15.00	² 14.00	² 13.50	² 13.50	11.57	11.00	11.27	10.80	10.60	10.25
Los Angeles, Calif.						15.70	16.31	15.04	16.50	16.50	16.25
Louisville, Ky.						8.70	7.37	7.43	8.42	7.46	³ 7.16
Manchester, N. H.	17.50	17.00	17.50	17.25	17.00						
Memphis, Tenn.						8.00	8.11	7.84	8.80	8.33	7.37
Milwaukee, Wis.	16.50	16.65	16.65	16.20	16.00	10.19	9.69	11.42	11.32	9.48	³ 7.80
Minneapolis, Minn.	18.08	17.95	17.75	17.70	17.90	11.51	10.92	11.35	11.75	11.72	³ 10.90
Mobile, Ala.						11.07	10.02	9.62	10.12	9.54	9.57
Newark, N. J.	13.45	13.43	13.60	13.50	13.50						
New Haven, Conn.	16.00	15.20	15.40	15.10	14.90						
New Orleans, La.	21.75					11.36	11.19	11.14	11.29	11.29	11.29
New York, N. Y.	14.50	14.33	14.50	14.42	14.33						
Norfolk, Va.	16.00	15.50	16.00	15.00	15.00	8.83	9.27	10.52	9.68	9.05	³ 7.88
Omaha, Neb.						10.17	10.04	10.33	10.19	10.26	9.50
Peoria, Ill.						6.37	6.79	7.11	7.29	7.10	6.90
Philadelphia, Pa.	² 15.75	² 15.32	² 15.54	² 14.43	² 14.11						
Pittsburgh, Pa.	² 17.00	16.50	15.88	14.88	15.00	7.25	6.83	6.13	6.24	5.65	5.25
Portland, Me.	16.50	16.56	16.80	16.80	16.80						
Portland, Oreg.						13.89	13.64	13.24	13.34	13.32	13.07
Providence, R. I.	² 16.35	² 16.00	² 16.50	² 16.00	² 16.00						
Richmond, Va.	16.50	15.50	16.50	15.50	15.00	11.36	8.83	11.39	11.66	9.70	³ 8.38
Rochester, N. Y.	14.10	14.15	14.15	14.15	14.25						
St. Louis, Mo.	17.38	16.88	17.20	16.45	16.45	7.22	6.69	6.62	7.50	7.02	6.40
St. Paul, Minn.	18.09	17.95	17.75	17.70	17.00	11.59	11.57	11.66	12.16	11.98	³ 10.68
Salt Lake City, Utah.	² 17.50	² 18.50	² 18.00	² 18.00	² 18.00	8.50	8.40	8.43	8.47	8.34	7.86
San Francisco, Calif.	² 26.50	² 26.50	² 26.50	² 26.50	² 26.00	17.22	17.28	17.06	17.11	17.25	16.75
Savannah, Ga.	² 17.05	² 17.00				² 12.12	² 11.50	² 12.75	² 13.25	² 11.13	² 10.53
Scranton, Pa.	16.53	16.62	16.67	16.50	16.33						
Seattle, Wash.						² 10.24	10.21	9.96	10.47	10.18	10.48
Springfield, Ill.						4.50	4.25	4.38	4.38	4.44	4.24
Washington, D. C. ¹⁰	² 16.24	² 15.67	² 15.54	² 15.01	² 15.13	² 9.04	² 8.88	² 9.88	² 9.75	² 8.75	² 8.75

¹ The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes. Data for 1924 are omitted as being insufficient.

² Per ton of 2,240 pounds.

³ Prepared sizes, high volatile.

⁴ Arkansas anthracite, egg or furnace.

⁵ Colorado anthracite, furnace, 1 and 2 mixed.

⁶ 50 cents per ton additional is charged for binning.

⁷ New Mexico anthracite.

⁸ All coal sold is weighed by the city; charge of 10 cents per ton or half-ton is included in the price.

⁹ Price in Zone A. The cartage charges range from \$1.25 to \$2.25 and are included in the price.

¹⁰ Bituminous prices for 1925 and later years are for "Prepared sizes, high volatile."

Source: Bureau of Labor Statistics, Department of Labor.

No. 764.—LABOR STRIKES IN COAL MINES

Year	Men on strike	Working days lost	Average days lost per man	Year	Men on strike	Working days lost	Average days lost per man
1907 ¹	32,540	462,302	14	1918.....	79,305	508,526	6
1908 ¹	145,145	5,449,938	38	1919.....	453,418	15,761,410	35
1909.....	24,703	723,034	29	1920.....	282,419	5,914,473	21
1910.....	213,493	19,250,624	88	1921.....	151,263	3,100,108	21
1911.....	41,413	983,737	24	1922.....	603,031	73,497,043	122
1912.....	311,056	12,627,305	40	1923.....	107,214	3,368,543	20
1913.....	135,305	3,049,412	23	1924.....	120,452	5,362,748	41
1914.....	161,720	11,013,667	68	1925.....	180,369	16,433,036	88
1915.....	87,100	2,407,431	37	1926.....	174,724	6,707,778	38
1916.....	170,633	3,344,586	20	1927 ²	103,322	26,075,109	138
1917.....	160,240	2,348,390	15				

State	1924		1925		1926		1927	
	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost
Grand total.....	129,452	5,362,748	180,369	16,433,036	174,724	6,707,778	193,322	26,075,109
Anthracite (Pa.).....	71,273	1,143,630	147,928	15,269,506	145,376	5,990,477	20,478	159,242
Total bituminous.....	58,179	4,219,118	33,441	1,163,530	29,348	717,301	172,844	26,615,867
Arkansas.....	1,076	29,272	560	41,023	205	1,635	339	41,810
Colorado.....	120	840	605	6,943			5,429	267,210
Illinois.....	4,217	50,101	4,870	25,180	987	12,609	66,992	10,018,566
Indiana.....	7,699	159,743	7,919	96,993	10,450	179,375	17,303	2,345,279
Iowa.....	986	16,445	1,267	3,740	932	19,610	5,624	815,764
Kansas.....	2,706	118,918	530	8,080	118	1,560	3,014	300,711
Kentucky.....	3,938	1,735,739	1,954	162,534	688	3,170	1,824	24,756
Maryland.....	168	504			603	13,289		
Michigan.....	425	1,525	725	5,575	225	225	470	1,510
Missouri.....	1,580	76,660	110	1,287	64	760	2,662	330,972
Montana.....	17	53			225	450		
Ohio.....	10,256	217,752	6,572	170,208	6,857	85,118	26,250	5,605,443
Oklahoma.....	1,318	144,607	352	10,773	20	20	163	25,428
Pennsylvania ¹	8,793	361,220	7,414	234,389	4,922	272,918	41,692	6,591,870
Tennessee.....	2,134	244,945	250	2,350	300	300	50	3,000
Texas.....			87	261				
Utah.....	53	310	280	10,920				
Washington.....								
West Virginia.....	7,688	1,060,478	4,956	376,399	2,692	126,242	982	47,543
Other States.....					60	120		

¹ Bituminous mines only.² Owing to unusual conditions, figures tend to understate extent of the strike and number of idle miners.

Source: Bureau of Mines, Department of Commerce.

MINERAL PRODUCTS

769

No. 765.—COKE: PRODUCTION, EXPORTS, AND IMPORTS

Yearly average or year	Production in thousands of short tons (2,000 pounds)			By-product ovens, per cent of total	Production (value) in thousands of dollars	Exports	Imports ¹
	Total	Beehive ovens	By-product ovens				
1896-1900.....	16,265	15,741	524	3.2	30,293	240	54
1901-1905.....	25,673	23,666	2,107	8.2	58,551	517	150
1906-1910.....	36,393	31,296	5,552	15.1	91,068	904	159
1911-1915.....	40,394	20,060	11,394	28.2	103,739	897	93
1916-1920.....	52,429	27,733	24,696	47.1	320,760	1,182	34
1921-1925.....	42,985	11,026	31,959	74.4	251,967	734	99
1914.....	34,556	23,336	11,220	32.5	88,334	664	133
1915.....	41,591	27,508	14,073	33.6	105,804	896	55
1916.....	51,534	35,461	19,000	35.0	170,841	1,175	53
1917.....	55,007	33,168	22,439	40.4	208,243	1,409	25
1918.....	56,478	30,481	25,008	46.0	332,324	1,688	30
1919.....	44,181	19,043	25,138	56.9	253,340	717	16
1920.....	51,345	20,511	30,834	60.0	475,951	920	41
1921.....	25,298	5,538	19,760	78.1	147,673	307	31
1922.....	37,124	3,573	28,551	76.9	238,313	512	94
1923.....	56,978	19,380	37,598	66.0	373,497	1,237	85
1924.....	44,270	10,280	33,984	76.8	244,042	660	83
1925.....	51,267	11,355	39,912	77.9	203,559	654	202
1926.....	56,866	12,489	44,377	78.0	307,773	987	285
1927.....	51,002	7,307	43,695	85.9	262,321	807	169
1928 ²	52,582	4,376	48,206	91.7	(³)	1,098	148

¹ Imports entered for consumption, prior to 1925. ² Preliminary. ³ Not available.
Source: Bureau of Mines, Department of Commerce.

No. 766.—COKE: BY-PRODUCT AND BEEHIVE PRODUCTION, BY STATES
(Figures in thousands of short tons (2,000 pounds))

	1915	1920	1922	1923	1924	1925	1926	1927	1928 ¹
BY-PRODUCT									
Total.....	14,073	30,834	28,551	37,598	33,984	39,912	44,377	43,695	48,206
Alabama.....	2,070	3,124	3,494	4,385	4,386	4,582	4,780	4,364	4,330
Colorado.....		517	365	448	523	490	593	594	606
Illinois.....	1,687	2,137	1,983	3,187	2,365	3,012	3,337	3,014	3,223
Indiana.....	2,768	4,554	3,996	5,043	4,272	5,142	5,990	5,550	5,989
Kentucky.....	242	407	457	434				(²)	(²)
Maryland.....	313	682	590	862	810	1,019	1,121	1,077	1,176
Massachusetts.....	504	488	407	554	398	535	574	744	729
Michigan.....	(²)	1,393	1,142	1,649	1,771	1,751	1,827	1,920	2,380
Minnesota.....	128	675	462	696	515	518	620	633	631
New Jersey.....	269	720	791	898	860	904	913	906	916
New York.....	684	1,040	1,495	1,784	1,601	2,220	2,328	3,603	3,700
Ohio.....	666	5,615	4,012	6,324	5,723	7,105	7,548	7,214	7,738
Pennsylvania.....	3,692	7,730	7,152	9,186	8,426	9,853	11,200	11,061	13,623
West Virginia.....	141	447	502	941	999	1,056	1,130	1,306	1,368
All other States.....	1,507	1,239	804	1,208	1,335	1,725	1,916	1,808	1,797
BEEHIVE									
Total.....	27,598	20,511	8,573	19,380	10,286	11,355	12,489	7,307	4,376
Pennsylvania.....	22,531	15,908	6,840	16,439	8,601	9,674	10,722	5,716	3,179
Ohio.....	19	87	99	150	110	156	85	(²)	85
West Virginia.....	1,250	1,381	418	822	330	400	584	527	810
Alabama.....	1,001	890	306	269	155	88			
Kentucky.....	285	273	31	126	79	(²)	148	(²)	145
Tennessee.....	234	163	86	180	132	128	122	105	
Virginia.....	630	1,028	379	775	485	422	371	317	(²)
Colorado.....	671	273	110	200	212	155	197	194	129
Utah.....	(²)	(²)	172	233	160	140	122	85	113
All other States.....	887	509	123	188	123	196	138	263	

¹ Figures are preliminary. ² Including Georgia. ³ Including Washington.
⁴ Included under "all other States."
⁵ Virginia figures included in West Virginia.
Source: Bureau of Mines, Department of Commerce.

No. 767.—MANUFACTURED GAS INDUSTRY: MATERIALS USED AND PRODUCTS

NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains. Gas produced and consumed within the same establishment, blast-furnace gas, and gas resulting from by-product coke-oven operation are not included

Material or product	Unit	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
Materials used, total cost.....					78, 779	178, 423	211, 786
Coal for gas making.....	Short ton ¹	6, 117			20, 873		
Anthracite.....	Long ton ²		619	113			
Bituminous.....	Short ton ¹		6, 871	8, 102			
Oil for gas making.....	Gallon.....	715, 419	212, 211	230, 720	24, 721		
Oil for carbureting.....	do.....		679, 378	683, 048			
Gas purchased.....	M. cu. ft.....	28, 351	64, 559	90, 618	8, 883		
Products, total value.....					220, 238	455, 460	510, 705
Commercial plants.....					218, 481	448, 218	509, 277
Municipal plants.....					1, 757	7, 242	7, 428
Gas for sale, total.....	M. cu. ft.....	203, 030	359, 492	412, 236	175, 066	305, 989	446, 245
Coal gas.....	do.....	10, 510	7, 411	(3)	10, 727	12, 481	(3)
Carbureted water gas.....	do.....	90, 013	112, 186	(3)	74, 517	136, 024	(3)
Mixed coal and water gas.....	do.....	86, 281	210, 743	(3)	72, 012	213, 618	(3)
Oil gas.....	do.....	16, 512	24, 289	(3)	15, 044	20, 040	(3)
Other gas.....	do.....	318	4, 774	(3)	2, 766	3, 904	(3)
Coke for sale.....	Short ton ¹	2, 282	2, 398	2, 977	8, 720	20, 721	25, 514
Tar for sale.....							
Coal gas.....	Gallon.....	125, 030	63, 803	78, 691	3, 253	3, 547	4, 449
Water gas and oil gas.....	do.....		61, 471	83, 470		2, 594	3, 768
All other products.....					33, 190	32, 631	30, 729

¹ 2,000 pounds.² 2,240 pounds.³ Not called for on schedule.

Source: Bureau of the Census, Department of Commerce.

No. 768.—PRODUCTION, PURCHASE, AND SALE OF GAS BY COMPANIES ENGAGED IN THE MANUFACTURED-GAS INDUSTRY

[In millions of cubic feet]

Year	Gas sold	Year	Gas sold	Year	Total gas produced and purchased	Produced	Purchased		Gas sold
							Coke-oven gas	Natural gas	
1904.....	113, 930	1912.....	178, 229	1920.....	350, 232	300, 823	140, 409		319, 888
1905.....	112, 444	1913.....	183, 286	1921.....	300, 392	295, 162	37, 393	27, 837	326, 950
1906.....	122, 850	1914.....	193, 539	1922.....	389, 000	300, 682	52, 883	35, 435	350, 000
1907.....	132, 012	1915.....	204, 310	1923.....	418, 000	313, 718	65, 872	38, 410	384, 722
1908.....	138, 570	1916.....	231, 381	1924.....	441, 381	324, 765	63, 350	53, 260	405, 206
1909.....	143, 118	1917.....	264, 493	1925.....	427, 100	324, 400	76, 600	56, 100	421, 406
1910.....	149, 431	1918.....	271, 593	1926.....	492, 042	353, 886	83, 400	54, 516	455, 631
1911.....	159, 101	1919.....	300, 000	1927.....	508, 322	354, 456	91, 270	62, 597	471, 000
				1928*.....	528, 000	351, 000	104, 000	73, 000	490, 000

¹ Includes all other processes not segregated.² Preliminary.

Source: American Gas Association.

No. 769.—AVERAGE NET PRICE OF MANUFACTURED GAS

NOTE.—Net prices for the first 1,000 cubic feet for household use in cities specified in the first section of Table 770

Date	Actual	Relative	Date	Actual	Relative	Date	Actual	Relative
Apr. 15, 1913.....	\$0.05	100	Apr. 15, 1910.....	\$1.04	110	Dec. 15, 1924.....	\$1.24	131
Apr. 15, 1914.....	.04	99	Apr. 15, 1920.....	1.09	115	Dec. 15, 1925.....	1.23	130
Apr. 15, 1915.....	.03	98	May 15, 1921.....	1.32	139	Dec. 15, 1926.....	1.22	128
Apr. 15, 1916.....	.02	97	Mar. 15, 1922.....	1.29	136	Dec. 15, 1927.....	1.22	128
Apr. 15, 1917.....	.01	96	Mar. 15, 1923.....	1.25	132	Dec. 15, 1928.....	1.22	128
Apr. 15, 1918.....	.05	100	Mar. 15, 1924.....	1.24	131			

Source: Bureau of Labor Statistics, Department of Labor.

No. 770.—RETAIL PRICES OF GAS IN PRINCIPAL CITIES

NOTE.—Prices are not per 1,000 cubic feet of gas for household use. Prices for manufactured gas are based on a family consumption of 3,000 cubic feet per month. In cities where a service charge or a sliding scale is in operation families using less than 3,000 cubic feet per month pay a somewhat higher rate than shown, while those consuming more than this amount pay a lower rate. The figures represent quite closely the actual monthly cost of gas per 1,000 cubic feet to the average wage-earner's family. Prices for natural gas and for manufactured and natural mixed gas are based on a family consumption of 5,000 cubic feet per month

City	Apr.	Apr.	Apr.	Apr.	Apr.	Apr.	May	June	June	June	June	June	June	June	June	Dec.
	15, 1913	15, 1915	15, 1916	15, 1917	15, 1918	15, 1919	15, 1920	15, 1921	15, 1922	15, 1923	15, 1924	15, 1925	15, 1926	15, 1927	15, 1928	15, 1928
MANUFACTURED GAS																
Atlanta	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.15	\$1.15	\$1.90	\$1.65	\$1.65	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55
Baltimore	.90	.80	.75	.75	.75	.75	.75	.75	.92	.92	.85	.85	.85	.85	.85	.85
Birmingham	1.00	.95	.95	.95	.95	.95	.95	.88	.88	.80	.80	.80	.80	.80	.80	.80
Boston	.81	.80	.80	.80	.80	1.05	1.08	1.40	1.32	1.25	1.20	1.18	1.18	1.18	1.18	1.18
Bridgeport	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.47	1.50	1.50	1.45	1.45	1.45	1.45	1.45	1.45
Buffalo	1.00	1.00	1.00	1.00	1.00	1.45	1.45	1.45	1.45	---	---	---	---	---	---	---
Butte	1.49	1.49	1.49	1.49	1.49	1.49	1.49	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Charleston, S. C.	1.10	1.10	1.10	1.00	1.10	1.10	1.25	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Chicago	.80	.80	.80	.80	.72	.90	.87	1.20	1.07	1.07	1.02	1.02	1.02	1.02	.98	.98
Cleveland	.80	.80	.80	.80	.80	.80	.80	.80	.80	.80	1.25	1.25	1.25	1.25	1.25	1.25
Denver	.85	.80	.80	.80	.85	.95	.95	.95	.95	.95	.95	.95	.95	.95	.90	.90
Detroit	.75	.75	.75	.75	.75	.79	.79	.85	.79	.79	.82	.82	.79	.79	.79	.79
Fall River	.80	.80	.80	.80	.95	.95	1.05	1.25	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
Houston	1.00	1.00	1.00	1.00	1.00	1.00	1.09	1.09	1.00	1.00	1.09	1.05	1.05	1.05	1.05	1.05
Indianapolis	.60	.65	.65	.65	.65	.60	.60	.90	1.20	1.15	1.15	1.10	1.05	1.05	.95	.95
Jacksonville	1.20	1.15	1.15	1.15	1.25	1.25	1.50	1.75	1.65	1.65	1.97	1.97	1.97	1.92	1.92	1.92
Manchester	1.10	1.00	1.00	1.00	1.00	1.18	1.18	1.53	1.48	1.48	1.38	1.38	1.38	1.38	1.34	1.34
Memphis	1.00	1.00	1.00	.93	.93	.93	1.27	1.35	1.29	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Milwaukee	.75	.75	.75	.75	.75	.75	.75	.90	.90	.89	.82	.82	.82	.82	.82	.82
Minneapolis	.85	.80	.77	.77	.77	.95	.95	1.28	1.02	1.05	1.01	.95	.97	.96	.94	.90
Mobile	1.10	1.10	1.10	1.10	1.10	1.35	1.35	1.80	1.80	1.80	1.80	1.80	1.80	1.76	1.76	1.76
Newark	1.00	.90	.90	.90	.97	.97	1.15	1.40	1.25	1.25	1.20	1.20	1.20	1.20	1.20	1.20
New Haven	.90	.90	.90	.90	1.00	1.10	1.10	1.27	1.18	1.18	1.18	1.13	1.13	1.13	1.13	1.13
New Orleans	1.10	1.00	1.00	1.00	1.00	1.30	1.30	1.45	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
New York	.84	.83	.83	.83	.83	.85	.87	1.40	1.31	1.31	1.23	1.23	1.23	1.23	1.24	1.25
Norfolk	1.00	1.00	1.00	1.00	1.20	1.20	1.40	1.40	1.40	1.40	1.40	1.40	1.33	1.33	1.33	1.33
Omaha	1.15	1.15	1.00	1.00	1.15	1.15	1.15	1.47	1.18	1.18	1.18	1.08	1.08	1.08	1.00	1.00
Pecora	.90	.90	.90	.85	.85	.85	.85	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Philadelphia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Pittsburgh	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Portland, Mo.	1.10	1.00	1.00	1.00	1.00	1.40	1.40	1.85	1.65	1.55	1.55	1.55	1.50	1.42	1.42	1.42
Portland, Ore.	.95	.95	.95	.95	.95	.95	.95	1.38	1.25	1.16	1.16	1.16	1.10	1.19	1.17	1.17
Providence	.85	.85	.85	.85	1.00	1.30	1.30	1.42	1.42	1.22	1.22	1.17	1.17	1.17	1.13	1.13
Richmond	.90	.90	.80	.80	.80	1.00	1.00	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.29	1.29
Rochester	.85	.85	.85	.95	.95	.95	.95	1.18	1.10	1.05	1.00	1.00	1.00	1.00	1.00	1.00
St. Louis	.80	.80	.80	.75	.75	.75	.85	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00
St. Paul	.95	.90	.85	.85	.85	.85	.85	1.00	1.00	.85	.85	.85	.90	.90	.90	.90
Salt Lake City	.87	.87	.87	.87	1.15	1.35	1.57	1.57	1.67	1.67	1.67	1.54	1.53	1.52	1.51	1.51
San Francisco	.75	.85	.85	.85	.85	.95	.95	1.05	1.02	.92	1.00	1.04	.95	.95	.94	.94
Savannah	---	---	---	---	---	1.25	1.60	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Scranton	.95	.95	.95	.95	1.15	1.30	1.30	1.70	1.60	1.60	1.50	1.50	1.50	1.40	1.40	1.40
Seattle	1.00	1.00	1.00	1.00	1.20	1.20	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Springfield, Ill.	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.40	1.40	1.35	1.35	1.35	1.25	1.25	1.25	1.25
Washington	.93	.93	.93	.80	.90	.95	.95	1.25	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00
NATURAL GAS																
Buffalo	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.35	\$0.35	\$0.35	\$0.42	---	---	---	---	---	---	---
Cincinnati	.30	.30	.30	.35	.35	.35	.35	.35	.50	.50	.50	.75	.75	.75	.75	.75
Cleveland	.30	.30	.30	.30	.30	.35	.35	.35	.40	.50	.55	.55	.60	.60	.60	.60
Columbus	.30	.30	.30	.30	.30	.30	.30	.30	.45	.45	.45	.55	.55	.48	.48	.48
Dallas	.45	.45	.45	.45	.45	.45	.45	.68	.68	.68	.68	.77	.74	.79	.79	.79
Denver	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Houston	---	---	---	---	---	---	---	---	---	---	---	---	.75	.75	.75	.75
Kansas City	.27	.27	.27	.30	.60	.80	.80	.90	.95	.95	.95	.95	.95	.95	.95	.95
Little Rock	.40	.40	.40	.40	.40	.45	.45	.45	.45	.45	.65	.65	.65	.65	.65	.65
Los Angeles	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.91	.91
Louisville	---	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45
New Orleans	---	---	---	---	---	---	---	---	---	---	---	---	---	---	.95	.95
Pittsburgh	.28	.28	.28	.28	.28	.35	.35	.45	.50	.50	.53	.60	.60	.60	.60	.60
MANUFACTURED AND NATURAL GAS MIXED																
Buffalo	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Los Angeles	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Source: Bureau of Labor Statistics, Department of Labor.

No. 771.—NATURAL GAS AND NATURAL GASOLINE

NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of consumption. Consumption figures by States differ greatly from production figures by reason of interstate transportation

Yearly average or year	Natural gas produced and marketed		Natural gasoline			Year	Natural gas produced and marketed		Natural gasoline		
	Quantity	Value	Gas treated	Production	Value		Quantity	Value	Gas treated	Production	Value
1900-1910.....	437,067	57,940	---	30,317	2,481	1920.....	798,210	190,194	406,431	384,744	71,788
1911-1915.....	575,708	88,492	11,002	30,317	2,481	1921.....	662,052	174,617	405,097	449,934	61,815
1916-1920.....	763,681	154,590	412,787	209,038	48,174	1922.....	703,546	221,535	545,139	605,832	72,711
1921-1925.....	947,419	229,002	820,446	762,151	82,205	1923.....	1,004,976	240,001	875,711	816,229	77,268
1915.....	628,579	101,312	24,064	65,365	5,131	1924.....	1,141,521	253,550	1,016,276	933,861	82,233
1916.....	763,170	120,227	208,705	103,493	14,331	1925.....	1,188,871	263,271	1,040,300	1,127,470	120,383
1917.....	795,110	143,089	429,288	217,884	40,189	1926.....	1,313,019	300,168	1,206,800	1,363,000	136,412
1918.....	721,001	153,654	449,109	282,536	50,364	1927.....	1,445,428	317,030	1,341,248	1,641,144	118,688
1919.....	745,916	160,888	480,404	351,535	64,197	1928 ¹	1,540,000	333,000	1,500,000	1,776,000	135,800

State	Natural gas produced and marketed					Natural gas consumed	Natural gasoline produced.		
	1915	1920	1925	1926	1927	1927	1926	1927	1928 ¹
Total.....	928,579	768,210	1,188,571	1,313,019	1,445,428	1,445,244	1,363,600	1,641,144	1,776,000
Arkansas.....	2,992	19,050	41,878	43,566	30,450	40,916	30,385	37,498	32,500
California.....	21,891	66,041	187,789	204,915	212,364	212,364	389,366	408,020	545,200
Illinois.....	2,690	3,013	4,165	3,808	3,741	3,741	9,087	8,853	7,300
Indiana.....	2,261	4,435	1,168	901	1,124	2,160	---	---	---
Kansas.....	27,046	33,140	26,917	38,095	42,646	66,618	25,369	36,095	35,700
Kentucky.....	1,667	15,297	10,770	10,401	10,206	16,694	7,689	7,480	6,900
Louisiana.....	25,540	46,219	152,620	187,423	186,961	170,310	43,557	44,844	55,500
New York.....	7,977	19,127	² 6,210	³ 7,027	³ 5,908	10,174	539	449	(9)
Ohio.....	79,610	136,872	43,235	47,363	51,381	112,003	10,817	12,167	13,100
Oklahoma.....	87,617	126,069	249,285	286,421	326,864	286,485	475,716	548,109	616,300
Pennsylvania.....	113,082	161,397	101,632	107,089	108,710	121,982	20,343	16,744	17,700
Texas.....	13,324	40,467	⁴ 134,872	⁴ 175,392	⁴ 254,063	269,944	243,093	320,723	331,000
West Virginia.....	244,004	100,280	180,845	180,223	162,375	66,200	63,807	64,192	68,700
Wyoming.....	⁵ 342	10,312	45,539	46,567	43,882	42,550	40,625	43,212	42,800
All other.....	126	6,862	2,146	3,819	8,054	16,488	1,797	2,768	3,300

¹ Preliminary. ² Includes gas piped from Oklahoma and consumed in Arkansas. ³ Includes 63,000,000 cubic feet piped to Canada in 1925, 79,000,000 in 1926, and 71,000,000 in 1927. ⁴ Includes 64,000,000 cubic feet piped to Mexico in 1925, 87,000,000 in 1926, and 113,000,000 in 1927. ⁵ Includes Colorado. ⁶ Not shown separately.

No. 772.—ASPHALT: PRODUCTION, EXPORTS, AND IMPORTS

Quantity and value	1910	1915	1920	1925	1927	1928 ¹
QUANTITY, TONS OF 2,000 POUNDS						
Asphalt produced and sold.....	260,080	1,128,872	1,844,772	3,763,220	4,790,490	4,804,600
From domestic petroleum.....	161,187	684,508	700,496	1,206,700	1,625,420	1,741,392
From Mexican petroleum.....	---	388,318	1,045,779	1,971,670	2,428,030	2,204,137
Native asphalt ²	98,893	75,751	198,497	584,850	839,040	799,071
Asphalt and related bitumen imported.....	186,311	139,662	130,599	125,250	161,924	125,039
Asphalt exported, unmanufactured ³	---	38,203	51,706	121,849	424,907	518,625
VALUE, THOUSANDS OF DOLLARS						
Asphalt produced and sold.....	3,080	8,978	27,473	48,974	60,397	55,216
From domestic petroleum.....	2,226	4,716	11,985	15,306	19,019	20,425
From Mexican petroleum.....	---	3,730	14,273	27,520	35,772	29,688
Native asphalt.....	854	526	1,214	4,148	5,606	5,105
Asphalt and related bitumen imported.....	786	919	1,647	-- 1,270	1,778	1,459
Asphalt exported:	---	---	---	---	---	---
Unmanufactured ³	---	736	1,356	2,588	9,359	10,472
Manufactured.....	---	439	842	2,526	2,400	2,022

¹ Preliminary. ² Native asphalt and related bitumen. ³ Includes petroleum asphalt, beginning 1925. Source: Tables 771 and 772, Bureau of Mines, Department of Commerce.

No. 773.—PRODUCTION OF CRUDE PETROLEUM

[Quantities in thousands of barrels (42 gallons); values in thousands of dollars]

Yearly average	Quantity		Value		Year	Quantity		Value	
	Year	Quantity	Value	Year		Quantity	Value		
1861-1865	2,479	9,965	1863	100,461	94,694	1916	360,767	830,900	
1866-1870	4,013	15,795	1904	117,081	101,175	1917	335,316	522,635	
1871-1875	8,221	16,430	1905	134,717	84,157	1918	355,928	703,944	
1876-1880	16,816	22,926	1906	126,494	92,445	1919	378,307	760,266	
1881-1885	25,508	22,933	1907	166,095	120,107	1920	442,929	1,360,745	
1886-1890	32,990	23,830	1908	178,527	129,079	1921	472,183	814,745	
1891-1895	51,095	35,708	1909	183,171	128,329	1922	537,531	895,111	
1896-1900	59,498	50,836	1910	209,537	127,960	1923	732,407	978,480	
1901-1905	102,083	83,524	1911	220,449	134,045	1924	713,940	1,022,683	
1906-1910	172,769	119,872	1912	222,935	161,213	1925	703,743	1,284,960	
1911-1915	247,739	185,793	1913	248,446	237,121	1926	770,874	1,447,760	
1916-1920	362,661	735,693	1914	265,793	214,125	1927	901,129	1,172,890	
1921-1925	647,961	999,186	1915	281,104	179,463	1928 ¹	900,364	1,080,437	

¹ Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 774.—PETROLEUM PRODUCTION, IMPORTS, EXPORTS, AND BUNKER OIL LADEN ON VESSELS IN FOREIGN TRADE

NOTE.—Exports of refined oils include residuum prior to 1913 and exclude it thereafter. Exports exclude reexports of imported oils.

Period	Quantity (thousands of barrels of 42 gallons)					Value (millions of dollars)					
	Production, crude oil	Imports		Exports		Bunker oil	Imports		Exports		Bunker oil
		Crude oil	Refined oils	Crude oil	Refined oils		Crude oil	Refined oils	Crude oils	Refined oils	
1871-1880	12,519	(¹)	(¹)	528	6,026	(¹)	(¹)	(¹)	2.4	37.7	(¹)
1881-1890	29,249	(¹)	(¹)	1,719	12,084	(¹)	(¹)	(¹)	5.1	43.7	(¹)
1891-1895	51,695	(¹)	(¹)	2,668	16,751	(¹)	(¹)	(¹)	5.0	40.9	(¹)
1896-1900	59,498	(¹)	(¹)	2,907	20,240	(¹)	(¹)	(¹)	5.3	57.1	(¹)
1901-1905	102,083	(¹)	(¹)	3,029	22,317	(¹)	(¹)	(¹)	6.3	68.5	(¹)
1906-1910	172,769	4,295	(¹)	3,086	30,521	(¹)	20.7	(¹)	6.4	90.4	(¹)
1911-1915	247,739	12,080	293	4,134	44,475	(¹)	7.6	1.1	6.1	125.8	(¹)
1916-1920	362,661	49,531	1,396	5,413	59,896	11,681	26.5	5.0	14.1	323.7	24.2
1921-1925	647,961	104,857	12,545	13,330	76,455	36,601	68.0	22.2	22.5	393.6	55.9
1911	220,449	1,461	182	4,806	37,307	(¹)	1.9	.5	6.2	99.8	(¹)
1912	222,935	6,900	466	4,493	40,352	(¹)	4.7	1.4	6.8	117.4	(¹)
1913	248,446	16,970	435	4,633	44,622	(¹)	10.9	2.1	8.4	139.7	(¹)
1914	265,793	16,913	336	2,970	48,716	³ 1,302	10.0	1.5	5.0	133.7	1.1
1915	281,104	18,139	44	3,768	51,377	3,566	10.4	.2	4.3	138.3	3.2
1916	360,767	20,797	414	4,096	57,833	5,530	12.6	1.3	7.0	194.5	5.6
1917	335,316	30,127	1,401	4,098	58,999	6,908	16.3	4.3	7.7	245.2	7.4
1918	355,928	37,736	1,207	4,901	59,727	6,903	21.3	4.4	12.1	332.2	11.7
1919	378,307	52,622	1,340	5,924	52,641	14,031	20.4	5.0	14.8	327.0	29.4
1920	442,929	106,175	2,919	8,045	65,278	29,335	55.8	10.1	29.0	519.3	66.7
1921	472,183	125,364	3,412	8,895	57,534	27,076	66.5	10.8	20.2	363.5	57.2
1922	537,531	127,308	8,639	9,995	59,592	31,692	70.4	17.8	18.3	312.6	43.7
1923	732,407	32,015	17,592	17,061	77,895	37,562	53.9	24.3	23.1	327.0	52.2
1924	713,940	77,775	16,769	17,005	93,411	43,328	73.8	26.9	26.5	392.3	58.0
1925	763,743	61,824	16,324	13,125	93,243	42,827	75.4	31.3	24.3	422.6	68.2
1926	770,874	60,382	20,962	15,406	108,398	46,662	79.3	44.6	28.5	497.2	71.0
1927	901,129	85,383	13,281	15,843	116,399	50,051	78.6	33.6	25.9	429.7	73.0
1928	900,364	79,767	11,701	18,961	126,187	51,125	90.5	40.9	23.8	465.2	59.3

¹ Data are not available.

² A verage for years 1908-1910 for total mineral oils.

³ July to December. Reports for July and August did not include San Francisco.

Source: Bureau of Mines and Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 775.—PETROLEUM, CRUDE: PRODUCTION BY REGIONS AND STATES, AND APPROXIMATE WORLD PRODUCTION

[In thousands of barrels of 42 gallons]

Section	1891-1900 (average)	1901-1910 (average)	1911-1915 (average)	1916-1920 (average)	1921-1925 (average)	1926	1927	1928 (preliminary)	Production since 1857
World total ¹	110,618	286,795	384,845	541,733	644,708	1,006,887	1,261,073	1,322,896	17,143,450
United States ²	55,297	137,426	247,739	302,661	647,961	770,874	901,120	³ 900,364	11,242,050
Per cent of total.....	50.0	58.0	64.4	66.8	68.0	70.3	71.6	68.1	65.6
Regions:									
Appalachian.....	33,267	28,043	24,504	27,161	28,504	28,572	30,454	30,968	1,516,814
Lima-Indiana ⁴	10,720	17,253	5,052	3,468	2,207	2,080	1,835	1,677	472,007
Illinois ⁵	(2)	12,659	24,955	13,018	0,585	8,418	7,720	7,422	392,443
Mid-continent.....	204	25,088	87,656	184,016	343,545	423,807	546,987	552,980	4,856,444
Gulf.....	(3)	17,436	12,357	24,273	33,688	45,275	52,069	45,719	600,013
Rocky Mountain.....	497	402	2,005	11,830	35,258	37,945	30,429	29,021	355,900
California.....	1,547	35,641	90,512	97,384	105,074	224,673	231,196	231,982	2,978,003
States:									
Arkansas.....					⁶ 36,644	⁶ 53,332	⁶ 40,005	⁶ 32,295	⁶ 313,353
California.....	1,547	35,641	90,512	97,384	105,074	224,673	231,196	231,982	2,978,003
Colorado.....		381	211	130	302	2,768	2,831	2,732	21,834
Illinois.....	(4)	12,659	24,955	13,918	8,815	7,760	6,994	6,450	380,249
Indiana.....	3,250	6,527	1,167	865	1,011	808	852	1,053	115,788
Kansas.....	52	4,603	2,235	32,550	32,733	41,408	41,009	38,332	605,007
Kentucky ⁷	11	696	484	5,335	8,044	6,274	6,719	7,325	90,747
Louisiana.....		4,310	12,097	19,117	25,750	23,201	22,818	21,626	400,111
Montana.....				129	2,720	7,727	5,058	3,025	31,000
New Mexico ⁸					554	1,226	1,226	950	5,000
New York.....	1,200	1,153	920	804	1,274	1,950	2,242	2,573	68,848
Ohio.....	19,444	15,677	8,586	7,583	7,045	7,272	7,593	7,040	535,622
Oklahoma ⁹	1	10,076	68,524	102,200	155,088	179,195	277,775	240,568	2,626,405
Pennsylvania.....	10,258	10,538	8,002	7,662	7,607	8,961	9,526	9,876	819,729
Texas.....	212	14,634	16,256	55,008	127,009	166,916	217,839	250,888	1,780,020
West Virginia.....	0,819	11,005	10,487	8,311	6,576	6,946	6,023	5,704	361,608
Wyoming.....	3	21	2,394	11,502	31,901	25,776	21,307	21,415	298,025

¹ Estimated. ² Includes insignificant quantities not distributed by regions and States.
³ Does not include petroleum consumed on leases or remaining on producing properties.
⁴ Southwestern Indiana reported with Illinois beginning 1921; previously with Lima-Indiana region.
⁵ Less than 500 barrels. ⁶ Kansas includes report for Oklahoma in 1905 and 1906.
⁷ Kentucky includes report for Tennessee from 1891 to 1907. ⁸ Not shown separately prior to 1924.
⁹ Average for years 1924 and 1925.

No. 776.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

[In thousands of barrels of 42 gallons]

	1922	1923	1924	1925	1926	1927	1928
Stocks of crude petroleum, total ¹	291,630	374,512	417,619	² 431,040	³ 403,338	473,379	485,401
Stocks east of California ²	233,827	302,500	312,725	² 293,852	278,264	362,038	308,431
Light.....					225,404	303,539	320,015
Heavy.....					52,860	48,499	48,416
Pipe line and tank-farm stocks by field of origin, total.....	100,038	267,858	280,807	264,245	242,180	312,637	327,043
Appalachian.....	8,868	9,210	9,280	8,493	7,790	7,334	5,502
Lima-Indiana.....	685	975	1,221	971	606	1,184	1,162
Illinois and southwestern Indiana.....	10,140	11,001	10,870	10,582	11,770	12,170	11,367
Mid-continent.....	152,573	202,904	210,558	195,941	173,843	246,830	265,807
Gulf coast.....	24,781	23,074	20,200	19,263	20,031	17,922	18,304
Rocky Mountain.....	1,991	19,704	28,672	28,005	28,075	27,238	25,501
Refinery stocks.....	⁴ 33,805	⁴ 33,250	31,184	² 29,200	35,475	39,317	40,520
Foreign petroleum held by importers.....	984	1,338	784	407	609	84	259
Producers' stocks (at wells).....	8,428	9,850	8,389	7,560	5,904	7,536	(5)
Stocks in California ¹	⁴ 49,375	⁴ 62,162	60,505	² 130,284	³ 110,170	113,805	116,970
Light.....			40,541	44,451	30,861	20,086	16,995
Heavy ¹			55,964	² 85,783	³ 88,309	93,719	99,975
Natural-gas gasoline at plants.....				302	326	455	734
Stocks of refined oils ¹			102,366	120,440	123,247	123,030	128,530
Grand total stocks all oils.....				² 520,287	³ 552,421	³ 527,040	597,143

¹ Fuel oil held in California is included beginning 1924. ² Exclusive of producers' stocks. ³ Revised.
⁴ Refinery stocks in California are included with refinery stocks east of California prior to 1924.
⁵ Not available. ⁶ Includes wax, coke, asphalt, and residuum in barrels.

Source of Tables 775 and 776: Bureau of Mines, Department of Commerce.

No. 777.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

(In thousands of barrels of 42 gallons)

	1924	1925	1926	1927	1928
Total new supply of all oils.....	880, 756	870, 107	886, 611	1, 014, 084	1, 086, 984
Domestic production, total.....	730, 175	791, 907	805, 291	942, 348	945, 460
Crude petroleum.....	718, 040	763, 743	770, 874	901, 129	900, 864
Natural gasoline.....	22, 235	28, 807	32, 305	38, 657	42, 286
Benzol.....		1, 857	2, 112	2, 562	2, 810
Imports.....					
Crude.....	77, 775	61, 824	60, 382	58, 383	79, 588
Refined ¹	16, 806	16, 376	20, 938	13, 353	11, 891
Change in stocks ²	+28, 081	+30, 120	-24, 764	+68, 471	+24, 932
Total demand.....	802, 675	899, 997	911, 375	945, 613	1, 012, 692
Exports.....					
Crude.....	18, 280	13, 337	15, 407	15, 844	18, 973
Refined ¹	98, 728	100, 216	116, 087	126, 191	135, 589
Domestic demand ³	635, 708	726, 434	779, 881	804, 573	857, 440
Bunker oil.....	43, 328	42, 827	46, 662	50, 051	51, 125

¹ Includes wax, coke, asphalt, and residuum in barrels.

² Data include crude petroleum (exclusive of producers' stocks east of California), fuel oil in California, refined products, and, except in 1924, natural gasoline.

³ Includes shipments to noncontiguous territories.

⁴ Includes bunker oil put on vessels engaged in foreign trade.

Source: Bureau of Mines, Department of Commerce.

No. 778.—PETROLEUM REFINING: MATERIALS AND PRODUCTS

Material or product	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)			
	Unit	1914	1925	1927	1914	1925	1927
Materials used, total cost.....					325, 265	1, 889, 678	1, 752, 997
Crude petroleum.....	Barrel ¹	191, 263	736, 489	831, 332	249, 728	(?)	(?)
Partially refined oils, etc., purchased and rerun.....	do.....	9, 455	57, 845	33, 939	24, 395	(?)	(?)
Natural gasoline.....	do.....	(?)	23, 223	20, 383	(?)	(?)	(?)
Soda ash.....	Ton ²	(?)	21	21	(?)	(?)	(?)
Caustic soda.....	do.....	11	60	95	361	(?)	(?)
Sulphuric acid.....	do.....	320	820	873	(?)	(?)	(?)
Sulphuric acid, reclaimed and reused.....	do.....	(?)	345	344	(?)	(?)	(?)
All other.....					51, 142	(?)	(?)
All products, total value.....					396, 361	2, 376, 657	2, 142, 649
Gasoline.....	Gallon.....	1, 195, 422	10, 726, 262	12, 491, 833	106, 140	1, 218, 230	1, 022, 012
Naphtha.....	do.....		294, 947	689, 047		29, 938	68, 943
Benzine.....	do.....	4, 204, 626	41, 714	50, 556	4, 15, 779	4, 993	4, 625
Tons.....	do.....	(?)	215, 948	159, 304	(?)	12, 117	6, 574
Illuminating oils.....	do.....	1, 035, 275	2, 366, 302	2, 217, 591	96, 806	161, 881	147, 925
Fuel oils:							
Disillates.....	do.....	457, 492	1, 204, 037	976, 670	15, 999	51, 743	44, 287
Gas oils.....	do.....	765, 558	1, 412, 645	2, 576, 591	22, 805	70, 062	99, 323
Residual fuel oil.....	do.....	2, 521, 042	11, 586, 456	11, 892, 599	45, 213	357, 613	313, 344
Partially refined oils sold for rerunning.....	do.....	(?)	1, 497, 879	1, 583, 727	(?)	65, 305	62, 210
Lubricating oils:							
Pala or paraffin.....	do.....	93, 422	270, 345	227, 198	8, 085	38, 763	30, 617
Red or neutral.....	do.....	116, 352	528, 750	531, 627	12, 426	92, 404	87, 243
Cylinder oils.....	do.....	102, 949	206, 884	219, 673	13, 704	47, 226	43, 636
All other lubricating oils.....	do.....	205, 115	356, 087	403, 493	21, 598	73, 712	83, 733
Liquid asphaltic road oils.....	do.....		274, 317	204, 709		12, 512	9, 308
Residuum or tar.....	do.....		125, 115	118, 467		5, 582	5, 115
Greases.....	do.....	14, 000	45, 820	63, 039	3, 536	13, 921	12, 961
Paraffin wax.....	do.....	57, 539	89, 762	94, 257	8, 897	30, 590	23, 432
Asphalt, other than liquid.....	Ton ³	465	2, 276	2, 642	4, 867	30, 401	37, 834
Coke, petroleum.....	do.....	214	924	1, 244		6, 438	7, 170
Other special products.....					9, 000	31, 034	24, 173
All other products.....					6, 669	12, 587	8, 720

¹ 42 gallons.

² No data.

³ Of 2,000 pounds.

⁴ Includes data for light products, other than gasoline, naphtha, and benzine, for later years included in "Other special products."

Source: Bureau of the Census, Department of Commerce.

No. 779.—PETROLEUM PRODUCTS: OILS RUN TO STILLs, OUTPUT OF REFINERIES, STOCKS, EXPORTS, AND APPARENT CONSUMPTION OF PRODUCTS

NOTE.—Stocks are those in the hands of refiners only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for kerosene, gas oil and fuel oil, and lubricating oil for 1922 to 1923 take into account comparatively small imports not shown separately, and for which no data were available prior to October, 1922. In 1923 these imports were as follows: Kerosene, 204,000 barrels; gas and fuel oil, 7,268,000 barrels; lubricants, 13,000 barrels

[In thousands of barrels of 42 gallons, except wax (thousand pounds), and coke and asphalt (thousand short tons of 2,000 pounds)]

Item	1918	1922	1923	1924	1925	1926	1927	1928
Crude oil run to stills.....	326, 025	500, 706	581, 238	643, 710	739, 020	770, 204	828, 835	912, 831
Domestic.....		425, 823	538, 252	597, 954	698, 582	734, 301	778, 729	835, 157
Foreign.....		74, 883	42, 986	45, 755	41, 338	44, 093	50, 106	77, 674
Natural gasoline run to stills or blended at refineries.....	2, 451	3, 662	5, 487	12, 671	1 10, 636	1 27, 690	1 32, 162	1 35, 305
Stocks of crude oil, end of year.....	15, 750	23, 805	33, 259	40, 995	2 29, 200	2 35, 475	2 39, 317	2 40, 520
Gasoline:								
Produced.....	85, 007	147, 672	179, 903	213, 326	259, 001	290, 734	330, 435	377, 183
Exported.....	13, 545	14, 156	20, 741	28, 967	31, 497	43, 313	44, 337	52, 897
Imported.....	307	1, 470	4, 555	3, 453	3, 813	5, 540	5, 002	4, 206
Stocks, end of year.....	7, 079	21, 043	28, 014	30, 823	38, 875	39, 023	33, 316	33, 066
Apparent consumption.....	74, 506	127, 906	156, 746	185, 003	223, 805	261, 813	296, 807	328, 932
Kerosene:								
Produced.....	43, 461	54, 913	55, 927	60, 026	59, 689	61, 768	56, 113	60, 156
Exported.....	11, 820	21, 480	20, 347	21, 961	21, 212	22, 248	19, 537	22, 066
Stocks, end of year.....	9, 050	6, 602	7, 231	8, 594	7, 121	8, 575	7, 715	9, 001
Apparent consumption.....	34, 442	34, 854	35, 048	36, 712	39, 990	38, 140	37, 491	37, 008
Gas oil and fuel oil:								
Produced.....	174, 319	254, 910	287, 481	320, 476	364, 991	365, 105	393, 060	425, 755
Exported.....	20, 637	18, 479	33, 372	37, 249	36, 088	38, 351	47, 391	44, 462
Stocks, end of year.....	15, 691	31, 065	36, 072	2 19, 556	2 24, 681	2 24, 898	2 34, 022	2 34, 920
Apparent consumption.....	142, 751	240, 010	261, 388	202, 452	(3)	(3)	(3)	(3)
Lubricants:								
Produced.....	20, 035	23, 304	26, 128	27, 498	31, 055	32, 293	31, 721	34, 650
Exported.....	0, 165	7, 941	8, 372	9, 103	9, 078	9, 435	9, 776	11, 055
Stocks, end of year.....	3, 306	5, 613	6, 138	6, 420	7, 253	7, 576	7, 800	8, 340
Apparent consumption.....	13, 823	15, 528	17, 260	18, 124	20, 581	22, 568	21, 669	23, 137
Wax—production.....1,000 lbs.	505, 144	462, 003	466, 647	510, 491	590, 677	645, 815	584, 347	630, 144
Stocks, end of year.....do.	199, 658	204, 891	164, 758	89, 709	116, 391	185, 331	160, 638	110, 344
Coke—production.....1,000 tons.	560	707	673	761	991	905	1, 145	1, 427
Stocks, end of year.....do.	23	36	263	98	288	291	345	437
Asphalt—production.....1,000 tons.	608	1, 865	2, 327	2, 546	2, 677	2, 923	3, 413	3, 297
Stocks, end of year.....do.	77	120	118	97	159	193	221	236
Other finished products.....		4, 527	5, 086	8, 252	8, 044	8, 030	7, 405	9, 401
Losses.....	14, 557	18, 562	18, 921	19, 500	22, 014	20, 928	28, 306	29, 028

¹ Includes natural gasoline run through pipe lines in California.

² Stocks east of California only.

³ Not available.

⁴ 1927 data revised for comparison with 1928; earlier years not strictly comparable with 1927 and 1928.

No. 780.—PETROLEUM PRODUCTS: CRUDE OIL RUN TO STILLs AND OUTPUT OF REFINERIES, BY REGIONS

[In thousands of barrels of 42 gallons, except wax, which is in thousands of pounds]

Region	Crude oil run to stills		Natural gasoline run to stills		Output of refineries, 1928				
	1927	1928	1927	1928	Gasoline	Kerosene	Gas oil and fuel oil	Lubricants	Wax
Total.....	828, 835	912, 831	32, 162	35, 365	377, 183	60, 156	425, 755	34, 659	630, 144
East coast.....	150, 550	170, 506	2, 468	2, 204	53, 694	8, 563	94, 023	10, 817	230, 352
Appalachian.....	28, 941	33, 643	737	732	15, 394	3, 719	7, 271	5, 109	95, 930
Indiana and Illinois.....	75, 807	98, 905	1, 916	2, 226	55, 716	6, 318	32, 715	3, 943	78, 405
Oklahoma and Kansas.....	101, 871	111, 342	4, 249	4, 632	60, 943	10, 239	37, 193	2, 639	46, 030
Texas.....	167, 095	186, 076	6, 129	6, 903	80, 865	14, 404	79, 349	8, 361	71, 118
Louisiana and Arkansas.....	70, 444	75, 540	4, 979	5, 052	26, 662	5, 814	33, 952	799	64, 319
Rocky Mountain.....	25, 026	26, 061	1, 148	1, 384	16, 497	1, 829	7, 100	620	43, 984
California.....	200, 092	210, 758	10, 536	12, 142	66, 914	9, 180	134, 150	2, 401	-----

Source: Tables 779 and 780, Bureau of Mines, Department of Commerce.

No. 781.—PETROLEUM PIPE LINES

[All figures, except miles of line operated, in thousands of dollars]

Company and State or field served	Miles of line operated	Investment in pipe lines	Other investments	Pipe line operating revenues	Pipe line operating expenses	Pipe line operating income	Net income
ALL REPORTING COMPANIES							
1920	48,712	840,328	267,362	103,600	60,452	20,026	53,940
1921	55,260	365,024	287,114	115,950	62,370	25,530	34,400
1922	57,349	382,280	264,344	128,050	64,539	52,720	58,560
1923	64,760	432,065	306,841	131,213	69,234	52,678	62,638
1924	68,185	496,187	282,694	146,921	74,656	63,170	72,234
1925	70,009	511,088	33,896	164,645	80,232	70,966	88,495
1926	72,846	530,410	111,891	173,075	83,068	76,523	80,401
1927	76,070	609,439	105,927	195,561	90,287	92,719	93,239
COMPANIES REPORTING OPERATING REVENUES OF OVER \$500,000 IN 1927							
Buckeye Pipe Line Co.	6,754	10,601	4,708	4,176	2,952	718	938
Cumberland Pipe Line Co.	1,204	4,675	1,810	806	640	124	225
Empire Pipe Line Co.	810	8,053		2,933	1,120	1,719	1,883
Eureka Pipe Line Co.	4,984	11,464	1,905	1,931	1,935	94	5
Gulf Pipe Line Co.	3,444	44,952	2,603	12,315	5,830	6,205	1,777
Gulf Pipe Line Co. of Oklahoma	1,398	10,784		5,253	1,909	3,209	3,446
Humble Pipe Line Co.	5,177	66,602		26,351	11,689	13,535	14,255
Illinois Pipe Line Co.	4,169	30,706	3,234	8,554	4,954	3,530	3,830
Indiana Pipe Line Co.	917	5,123	4,170	1,673	693	744	984
Magnolia Pipe Line Co.	4,940	55,009		15,737	5,707	9,684	10,156
Marland Pipe Line Co.	639	6,692	1	2,825	2,073	700	702
National Transit Co.	3,539	8,844	9,583	1,270	1,316	62	572
Northern Pipe Line Co.	615	3,095	3,358	501	267	180	337
Oklahoma Pipe Line Co.	2,174	23,962	3	11,769	3,546	7,606	7,640
Prairie Pipe Line Co.	12,642	91,290	63,175	33,765	13,563	16,399	18,328
Pure Oil Pipe Co. (Ohio)	610	1,616	142	1,234	972	222	42
Shell Pipe Line Corporation	1,679	26,216		8,522	3,488	4,967	4,939
Shreveport-El Dorado Pipe Line Co. (Inc.)	163	2,069	1	2,108	616	403	170
Sinclair Pipe Line Co.	6,232	75,874	1,396	20,434	12,719	5,956	5,006
South West Pennsylvania Pipe Lines	1,662	4,455	1,898	962	639	275	362
Southern Pipe Line Co.	1,131	5,962	2,260	538	405	105	222
Standard Pipe Line Co. (Inc.)	1,803	28,968	32	12,820	4,404	7,283	7,267
Texas Pipe Line Co.	3,625	36,778		12,418	5,067	6,103	6,277
Texas Pipe Line Co. of Oklahoma	1,533	7,888	133	3,328	1,474	1,405	1,636
Tide-Water Pipe Co. (Ltd.)	2,139	11,027	115	2,824	1,525	1,219	1,393
Tuscarora Oil Co. (Ltd.)	586	6,623	45	1,254	750	458	687

Source: Interstate Commerce Commission.

No. 782.—PETROLEUM: PRICES OF CRUDE AND REFINED PRODUCTS

NOTE.—Prices of crude and fuel oil in dollars per barrel of 42 gallons, others in cents per gallon. Compiled by Joseph C. Pogue. The weighted average prices are computed from five principal grades of crude oil at wells, from five markets each for kerosene and gasoline from tank wagon, from five refining locations for fuel oil, and for five grades of lubricating oil

Year	Crude		Kero-sene	Fuel oil		Lubri-cating oil	Month, 1928				
	Dolls.	Cents		Dolls.	Cents		Crude	Gasoline	Kero-sene	Fuel oil	Lubricating oil
1917	1.77	20.6	8.5	1.57	19.5	January	1.48	14.2	12.6	0.917	24.4
1918	2.22	21.7	10.2	2.01	30.9	February	1.48	14.2	12.6	.965	24.3
1919	2.25	22.2	12.7	1.59	32.2	March	1.48	14.2	12.6	1.00	24.3
1920	3.44	26.5	17.1	2.79	49.0	April	1.48	14.2	12.9	1.01	23.9
1921	1.86	22.3	12.9	1.30	27.6	May	1.48	14.4	13.0	.968	23.9
1922	1.78	21.7	12.4	1.24	20.4	June	1.49	14.4	13.0	.966	24.1
1923	1.71	17.5	12.8	1.20	19.4	July	1.53	14.4	12.6	.868	24.3
1924	1.84	15.9	12.7	1.35	23.0	August	1.57	15.4	13.0	.854	24.3
1925	1.96	16.6	12.3	1.46	26.1	September	1.58	15.4	12.9	.847	24.3
1926	2.03	17.5	14.7	1.47	26.1	October	1.61	15.4	12.9	.851	24.3
1927	1.65	15.0	12.9	1.14	25.3	November	1.64	15.3	13.0	.872	24.3
1928	1.54	14.7	12.9	.91	24.3	December	1.67	15.0	13.1	.851	24.9

No. 783.—PORTLAND CEMENT: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

NOTE.—Imports are "Imports for consumption" and include all kinds of hydraulic cement, most of which is Portland. "Shipments" include exports made directly by manufacturers and shipments made by them to noncontiguous territories. (See Table 784.)

State	1910	1915	1920	1924	1925	1926	1927	1928
	Thousands of barrels of 376 pounds							
Production, total.....	70,550	86,916	100,023	140,368	161,669	164,630	173,207	176,196
Alabama.....	1,481	(²)	1,132	5,553	6,288	6,710	7,565	6,749
California.....	6,386	4,503	7,095	11,615	13,098	13,842	14,681	13,452
Illinois.....	4,469	6,167	5,539	6,904	7,101	6,747	7,017	7,335
Iowa.....	2,010	4,660	4,849	5,024	4,648	4,926	5,415	7,070
Kansas.....	5,656	3,580	4,341	5,894	6,511	6,358	6,180	6,574
Michigan.....	3,088	4,766	4,891	9,200	10,936	12,037	13,905	13,848
Missouri.....	4,456	4,627	6,018	7,871	8,332	7,663	6,778	7,881
New York.....	3,296	5,044	5,885	7,872	8,770	8,706	10,775	(³)
Ohio.....	1,528	1,949	1,780	4,601	5,715	7,556	8,854	9,233
Pennsylvania.....	26,676	28,640	28,269	40,850	42,347	42,806	43,732	41,522
Texas.....	2,287	1,939	2,562	4,566	4,858	5,007	5,666	6,340
Washington.....	(³)	1,496	1,769	1,842	2,482	(⁴)	(⁴)	(⁵)
Other States.....	14,627	19,640	25,860	37,115	40,573	42,031	42,088	56,184
Shipments.....	(⁶)	80,892	96,312	146,048	157,205	162,187	171,865	175,736
Imports.....	307	42	525	2,024	3,007	3,244	2,006	2,302
Stocks, end of year.....	(⁶)	11,463	8,838	14,152	18,336	20,740	22,457	22,918

¹ Includes Georgia and Tennessee.

² Included in other States.

³ California includes Washington.

⁴ Includes Kentucky and West Virginia.

⁵ Includes Oklahoma.

⁶ Not available.

No. 784.—PORTLAND CEMENT: SHIPMENTS BY DESTINATIONS

(In thousands of barrels of 376 pounds)

State	1925	1926	1927	1928	State	1925	1926	1927	1928
Shipped from cement plants.....	167,295	162,187	171,866	175,736	Shipments to States—Con.				
Shipments to States.....	156,118	160,940	170,737	174,578	South Atlantic—Continued.				
New England.....	6,864	6,793	6,942	7,604	West Virginia.....	1,488	1,680	1,562	1,300
Maine.....	334	548	506	522	North Carolina.....	3,025	3,732	3,213	2,401
New Hampshire.....	426	438	460	515	South Carolina.....	804	639	986	1,608
Vermont.....	217	272	393	606	Georgia.....	1,438	1,831	1,905	1,742
Massachusetts.....	3,418	2,983	2,820	2,916	Florida.....	4,150	4,374	2,483	1,925
Rhode Island.....	711	635	701	761	East South Central.....				
Connecticut.....	1,768	1,857	2,062	2,284	Kentucky.....	6,104	6,377	7,468	8,513
Middle Atlantic.....	40,504	41,181	45,959	43,754	Tennessee.....	1,790	1,650	1,954	1,739
New York.....	18,489	20,225	23,003	22,321	Alabama.....	1,644	1,933	2,263	2,698
New Jersey.....	7,082	7,116	8,419	8,437	Mississippi.....	2,085	1,981	2,265	2,947
Pennsylvania.....	14,933	13,840	13,837	12,006	West South Central.....				
East North Central.....	42,294	44,332	48,043	51,121	Arkansas.....	8,407	9,178	10,004	11,645
Ohio.....	9,221	9,684	10,342	11,013	Louisiana.....	800	770	855	1,251
Indiana.....	4,998	5,175	5,739	5,275	Oklahoma.....	1,100	1,187	1,491	1,274
Illinois.....	14,405	14,067	14,833	17,677	Texas.....	2,378	2,343	3,120	3,123
Michigan.....	9,505	10,784	11,576	11,776	Mountain.....	4,189	4,878	5,438	6,194
Wisconsin.....	4,105	4,622	5,553	5,880	Montana.....	2,060	3,204	3,150	3,666
West North Central.....	16,657	16,271	15,890	17,604	Idaho.....	236	258	308	461
Minnesota.....	3,615	3,573	3,880	3,054	Wyoming.....	250	443	311	296
Iowa.....	2,705	2,827	3,708	5,340	Colorado.....	225	180	181	1,047
Missouri.....	5,601	5,202	4,207	4,718	New Mexico.....	1,152	1,138	1,002	1,044
North Dakota.....	342	403	393	455	Arizona.....	182	169	279	333
South Dakota.....	462	424	410	491	Utah.....	424	420	562	603
Nebraska.....	1,675	1,555	1,360	1,196	Nevada.....	381	461	428	568
Kansas.....	2,257	2,287	2,432	2,341	Pacific.....	101	95	87	107
South Atlantic.....	16,029	17,578	15,935	13,811	Washington.....	16,179	16,031	17,102	16,584
Delaware.....	402	300	343	349	Oregon.....	2,427	2,022	2,674	2,972
Maryland.....	2,127	2,319	2,052	2,242	California.....	1,318	1,318	1,809	1,250
District of Columbia.....					Unspecified.....	50	60	52	84
Virginia.....	886	907	982	890	Exports direct by manufacturers ¹				
	1,649	1,734	1,799	1,994		1,178	1,247	1,123	1,167

¹ Includes shipments to Alaska, Hawaii, and Porto Rico.

Source of Tables 783 and 784: Bureau of Mines, Department of Commerce.

No. 785.—CEMENT PRODUCTION: QUANTITY, BY KINDS, AND TOTAL VALUE

NOTE.—Portland cement is expressed in barrels of 370 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 370-pound barrels but prior to 1921 in barrels of 240, 265, and 320 pounds, respectively. For 1912 through 1924 the figures for masonry, natural, and puzzolan cements represent shipments

Year	Production in thousands of barrels			Total value in thousands of dollars	Year	Production in thousands of barrels			Total value in thousands of dollars
	Total	Portland	Masonry, natural, and puzzolan			Total	Portland	Masonry, natural, and puzzolan	
1890	7,777	336	7,441	4,527	1915	80,708	85,915	794	74,285
1895	8,731	990	7,741	5,482	1916	92,363	91,521	842	101,879
1900	17,231	8,482	8,749	13,284	1917	98,454	92,814	639	129,106
1904	31,675	26,506	5,169	26,032	1918	71,515	71,052	463	114,182
1905	40,102	35,247	4,855	35,932	1919	81,307	80,778	529	138,714
1906	51,000	46,463	4,537	55,302	1920	100,791	100,023	767	203,198
1907	52,230	48,785	3,445	55,904	1921	90,381	98,842	539	187,708
1908	52,911	51,073	1,838	44,478	1922	115,679	114,700	889	203,824
1909	66,690	64,901	1,698	53,611	1923	138,732	137,490	1,272	269,122
1910	77,785	76,550	1,235	68,752	1924	150,777	140,358	1,418	272,845
1911	79,548	78,520	1,019	60,705	1925	163,388	161,659	1,729	1 281,076
1912	85,351	82,438	913	67,462	1926	196,635	194,530	2,105	1 290,786
1913	92,919	92,097	822	99,601	1927	175,330	173,207	2,124	1 281,736
1914	80,050	88,230	820	82,204	1928	178,406	176,190	2,210	1 278,706

¹ Value of shipments.

Source: Bureau of Mines, Department of Commerce.

No. 786.—STONE: PRODUCTION (SALES), BY VARIETIES AND USES

Variety and use	Quantity sold, thousands of short tons (2,000 pounds) ¹							Value, 1,000 ² dollars, 1927
	1921	1922	1923	1924	1925	1926	1927	
Total	63,630	60,212	103,816	103,164	115,851	124,496	136,345	168,647
Granite	4,752	5,913	7,300	6,884	8,074	9,330	10,707	35,287
Basalt and related rocks	8,524	10,033	10,674	11,672	11,842	12,978	13,211	17,400
Sandstone	2,640	3,388	4,349	3,895	4,499	4,979	5,051	10,923
Marble	315	428	663	510	564	563	600	15,026
Limestone	45,621	58,929	70,701	75,894	85,049	91,888	99,662	112,440
All other	1,685	1,521	3,731	4,324	5,242	4,759	7,115	6,971
Building stone	1,369	1,020	2,059	2,212	2,392	2,609	2,485	40,595
Monumental	230	248	424	394	363	360	358	14,979
Paving blocks	453	320	463	370	381	66	307	3,583
Curbing	184	236	252	290	393	346	378	4,040
Flagging	65	54	44	60	56	66	55	574
Rubble	445	632	882	865	1,197	540	809	998
Riprap	1,814	2,049	3,186	3,265	3,079	4,060	4,618	4,717
Crushed stone	43,263	40,764	62,323	68,198	75,673	82,516	94,949	97,474
Furnace flux (limestone and marble)	10,669	18,718	25,602	19,690	22,861	23,859	21,666	15,986
Refractory stone	496	992	1,162	1,094	1,261	1,531	1,363	1,711
Manufacturing industries (limestone and marble)	2,883	3,586	4,668	4,734	5,172	4,054	5,352	4,735
Other uses ²	1,728	1,767	2,264	2,000	3,023	3,289	3,944	8,356

¹ Quantities of stones not sold by the short ton are expressed in the approximate equivalent in short tons; expressed in their selling units the quantities are as follows for 1927: Building stone, 32,104,000 cubic feet; monumental stone, 4,325,000 cubic feet; paving blocks, 38,706,000; curbing, 4,863,000 cubic feet; and flagging, 738,000 cubic feet.

² Chiefly agricultural limestone.

Source: Bureau of Mines, Department of Commerce.

No. 787.—CLAY AND GLASS PRODUCTS: PRODUCTION

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
BRICK, TILE, AND TERRA COTTA, FIRE-CLAY, AND OTHER CLAY PRODUCTS, AND NONCLAY RE- FRACTORIES ¹							
All products, total value.....					129,588	385,585	320,201
Brick:							
Common.....	Number	7,145,809	7,561,501	7,060,994	43,704	88,551	78,408
Vitrified.....	do.	931,324	539,101	503,400	12,561	11,876	10,764
Face.....	do.	810,395	2,474,090	2,412,903	9,290	45,428	41,521
Enamelled.....	do.	(²)	16,931	18,097	(²)	1,508	1,375
Drain tile.....	Tons	(²)	661	734	8,522	4,960	5,311
Sewer pipe.....	do.	(²)	2,139	2,116	14,015	30,421	29,426
Architectural terra cotta.....	do.	(²)	152	156	0,088	10,130	16,028
Hollow building tile or block.....	do.	(²)	4,225	4,114	8,385	20,204	20,490
Tile (not drain):							
Roofing.....	Squares	(²)	290	308		5,155	5,349
Floor (including plain, vitreous, encaustic, quarry, etc.).	Sq. ft.	(²)	19,244	20,434		4,301	4,586
Ceramic mosaic (vitreous and semivitreous).....	do.	(²)	20,331	20,506	5,705	4,092	4,552
Falence (including art, enameled, and hand-decorated).....	do.	(²)	4,916	10,157		3,295	5,776
Wall (thin, white glazed, etc.).....	do.	(²)	30,366	39,537		10,220	12,503
Stove lining.....	Tons	(²)	20	14	521	656	603
Fire brick ³	Number	816,784	995,079	877,748	16,428	41,164	38,174
All other clay products.....					4,304	14,820	14,587
Silica brick.....	Number	(²)	235,877	245,881	(²)	11,280	12,757
Other nonclay refractories.....						9,395	10,701
All other products.....							491
POTTERY ¹							
All products, total value.....					36,598	112,019	111,014
Red earthenware (flower pots, etc.).....		(²)	(²)	(²)	1,000	2,632	2,850
Stoneware (except chemical) and yellow and Rockingham ware.....		(²)	(²)	(²)	3,349	4,349	4,503
White ware, cream color, white granite, semiporcelain, and semivitreous porcelain.....		(²)	(²)	(²)	14,968	32,816	31,692
Porcelain china, bone china, delft, and Belleek ware.....		(²)	(²)	(²)	2,385	907	(²)
Hotel china.....		(²)	(²)	(²)	(²)	0,807	10,020
Vitreous china, plumbing fixtures.....		(²)	(²)	(²)	(²)	25,036	22,628
Porcelain electrical supplies.....		(²)	(²)	(²)	4,130	21,827	22,861
Saggers.....		(²)	(²)	(²)	(²)	1,704	1,016
All other products.....					9,506	12,701	14,144
GLASS ⁴							
All products, total value.....					123,085	205,069	233,028
Building glass:							
Window glass.....	Sq. ft.	400,909	507,151	481,021	30,824	107,902	80,972
Obscured glass, including cathedral and skylight.....	do.	43,040	53,951	41,545	17,496	37,525	26,814
Plate glass, total cast.....	do.	75,770			2,417	6,910	5,093
Polished.....	do.	60,384	117,369	118,124	14,774	57,207	44,228
Rough, for sale as such.....	do.	132	4,215	3,081	20	504	430
Wire glass—							
Polished.....	do.	1,708	4,165	3,320	534	2,204	1,031
Rough, for sale as such.....	do.	13,981	28,743	25,705	1,057	3,546	2,746
All other building glass.....					520	(⁵)	(⁶)
Pressed and blown glass ⁷					30,279	72,086	70,667
Bottles and jars ⁸					51,959	100,301	114,381
All other products.....					4,023	15,010	11,018

¹ From reports of Bureau of Mines, Department of Commerce.² No data.³ Of 2,000 pounds.⁴ Clay brick, including refractory block or tile, boiler and locomotive tile, tank blocks, and other refractory clay products—9-inch equivalent.⁵ Bricks only, of 9-inch equivalent; in addition there were 133,000 tons of special shapes produced.⁶ Not shown separately. Included in "All other products."⁷ Not reported separately.⁸ In addition considerable quantities of electric-light shades, globes, etc., were made in 1914 by establishments engaged primarily in the manufacture of electrical goods.⁹ Including jelly glasses, tumblers, and goblets, but not including bottles, etc.¹⁰ Including demijohns and carboys.

Source: Bureau of the Census, Department of Commerce.

No. 788.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

Year	Brick (millions)			Value (thousands of dollars)							
	Common	Vitri-fied ¹	Face	Brick			Architec-tural terra cotta	Hollow building tile	Tile (not drain)	Sewer pipe	Fire brick
				Common	Vitri-fied ¹	Face					
1913.....	8,080	950	828	50,135	12,138	0,614	7,733	8,620	6,109	14,872	16,811
1914.....	7,147	931	810	43,770	12,501	0,290	6,083	8,385	5,706	14,015	13,476
1915.....	6,851	963	856	42,145	12,231	0,530	4,796	7,801	5,188	11,269	15,800
1916.....	7,394	942	1,008	40,357	12,237	11,405	6,466	9,943	6,475	13,577	24,437
1917.....	6,805	707	758	47,930	10,065	10,391	6,174	13,255	6,821	17,307	42,502
1918.....	6,567	403	356	38,782	7,145	6,095	2,059	13,037	5,082	15,334	51,048
1919.....	7,752	480	701	38,585	11,615	10,033	3,988	17,905	8,137	16,755	38,016
1920.....	4,852	468	787	82,216	12,079	10,441	10,852	27,112	12,470	25,371	53,416
1921.....	4,448	502	879	67,006	12,870	18,128	9,068	14,841	12,560	22,155	24,333
1922.....	6,800	517	1,417	72,613	10,810	28,234	12,410	19,708	16,597	23,000	31,357
1923.....	7,282	600	1,031	94,473	15,570	35,892	10,486	28,275	23,804	20,103	46,877
1924.....	7,150	554	2,030	80,092	12,074	30,931	16,440	24,998	24,842	32,400	40,621
1925.....	7,562	530	2,475	88,551	11,870	45,428	19,139	20,204	27,124	30,421	41,164
1926.....	7,520	498	2,440	88,280	10,285	44,510	19,067	27,818	34,985	29,303	42,707
1927.....	7,001	503	2,413	78,408	10,764	41,321	16,628	26,499	32,706	20,420	38,174

¹ Vitri-fied brick or block.

Sources: Bureau of the Census and Bureau of Mines, Department of Commerce.

No. 789.—SALT: PRODUCTION, BY STATES AND KINDS; EXPORTS AND IMPORTS

NOTE.—All quantity figures in short tons (2,000 pounds). Production figures represent sales plus that used by producers; they include Porto Rico

Year	Production	Exports	Imports	Year	Production	Exports	Imports
1880.....	834,548	1,042	500,703	1918.....	7,238,744	136,783	40,290
1885.....	985,411	2,108	440,200	1919.....	6,882,902	119,416	59,514
1890.....	1,242,779	2,464	257,323	1920.....	6,849,029	139,272	137,054
1895.....	1,913,751	3,602	279,376	1921.....	4,081,154	109,563	63,095
1900.....	2,021,708	7,511	100,000	1922.....	6,792,849	134,989	113,922
1905.....	3,035,257	34,238	161,150	1923.....	7,130,713	125,529	88,780
1910.....	4,242,792	49,013	137,103	1924.....	6,803,116	144,945	85,938
1914.....	4,872,550	82,295	130,804	1925.....	7,397,000	155,079	85,789
1915.....	5,352,409	80,474	122,326	1926.....	7,971,600	153,908	55,964
1916.....	6,362,906	84,065	122,079	1927.....	7,568,680	153,832	44,968
1917.....	6,078,177	113,903	64,622	1928.....	8,074,700	145,366	42,866

State or kind	1900	1910	1915	1920	1925	1927	1928
Production, total.....	2,921,708	4,242,792	5,352,409	6,840,029	7,397,000	7,568,680	8,074,700
By States:							
Michigan.....	1,000,487	1,323,283	1,702,430	2,202,015	2,172,600	2,271,460	2,405,240
New York.....	1,168,500	1,629,053	1,570,446	1,903,101	2,053,970	1,964,080	1,985,230
Ohio.....	199,540	514,339	823,234	1,057,892	1,173,590	1,203,170	1,208,110
Kansas.....	312,743	393,603	527,123	788,655	812,540	794,780	821,950
Louisiana.....	(¹)	(¹)	(¹)	265,085	500,350	606,110	630,780
California.....	87,060	131,252	146,784	212,008	292,480	300,880	383,730
Texas.....	(¹)	53,603	62,297	91,103	(²)	54,270	(²)
Utah.....	34,878	34,979	55,279	75,259	88,150	74,690	85,800
West Virginia.....	34,142	21,788	32,513	29,892	26,870	22,000	18,700
Porto Rico.....	(²)	(²)	(²)	(²)	12,060	15,150	(²)
Undistributed.....	138,268	140,003	372,303	159,269	265,890	261,500	335,160
By kinds:							
Manufactured (evapo-rated).....	1,725,394	1,053,000	2,335,823	2,409,024	2,235,170	2,263,030	2,430,050
In brine.....	779,949	1,314,492	1,851,199	2,819,916	2,819,690	3,161,800	3,428,870
Rock salt.....	416,365	975,231	1,165,387	1,610,189	2,342,640	2,143,860	2,217,780
Total value (dollars).....	6,044,603	7,900,344	11,747,686	29,884,075	26,182,361	24,817,982	26,772,568

¹ Louisiana is included with New York.² Included in "Undistributed."

Source: Bureau of Mines, Department of Commerce.

No. 790.—ACCIDENT RATES IN ALL BRANCHES OF THE MINERAL INDUSTRY, 1920-1927, AND IN THE SEVERAL BRANCHES, 1927

Branch of mineral industry	Average days active	Men employed		Man shifts	Number killed	Number injured	Number killed or injured per thousand 300-day workers	
		Actual number	Equivalent in 300-day workers				Killed	Injured
1920	249	1,095,063	908,419	272,525,550	2,084	56,057	3.3	182.5
1921	188	1,044,001	663,414	196,024,209	2,381	35,416	3.0	198.0
1922	174	1,092,863	635,200	190,589,710	2,529	46,307	4.0	201.1
1923	222	1,153,894	862,145	255,643,525	3,071	59,570	3.6	203.9
1924	220	1,073,630	787,065	236,119,767	3,031	67,766	3.6	201.1
1925	222	1,049,879	777,896	233,368,875	2,826	68,704	3.6	197.2
1926	242	1,058,843	855,632	256,689,813	3,201	62,762	3.7	178.1
1927	225	1,044,637	782,635	234,790,290	2,797	45,618	3.6	163.2
1928	231	951,449	733,728	220,118,341	2,029	38,717	3.6	146.1
1927								
Coal mines	199	759,177	508,065	150,910,350	2,231	(¹)	4.4	
Other nonmetallic mines	292	12,629	11,963	3,569,015	26	2,081	2.2	171.2
Metal mines	285	107,070	101,584	30,474,948	326	23,103	3.2	227.4
Copper mines	813	30,724	32,084	9,625,317	111	8,370	3.5	201.2
Gold, silver, and miscellaneous metal mines	287	80,461	29,174	8,752,024	114	8,162	3.0	270.8
Iron mines	207	33,386	29,737	8,921,091	73	3,409	2.5	114.6
Lead and zinc mines (Mississippi Valley)	254	12,400	10,589	3,176,606	28	3,152	2.0	297.7
Quarries	271	91,517	82,609	24,782,561	135	13,459	1.6	162.9
Quarries (excluding outside works)	251	49,549	41,421	12,426,312	99	8,015	2.4	193.5
Quarries (outside works only)	204	41,968	41,188	12,356,249	36	5,444	.9	132.2
Cement rock quarries	813	23,220	24,237	7,271,158	13	1,676	.5	99.2
Granite quarries	247	11,634	9,073	2,721,721	23	3,977	2.5	217.9
Limestone quarries	258	39,299	33,765	10,129,463	73	7,099	2.2	209.4
Marble quarries	288	6,153	5,912	1,773,424	5	738	.9	124.8
Sandstone and bluestone quarries	240	4,160	3,321	996,429	5	631	1.5	190.0
Slate quarries	257	3,735	3,199	958,790	7	589	2.2	184.3
Trap-rock quarries	236	3,955	3,105	931,696	9	779	2.9	259.9
Metallurgical plants	338	53,477	60,291	18,987,391	54	5,741	.9	95.2
Ore-dressing plants	306	15,323	15,643	4,692,967	17	1,891	1.1	115.1
Smelters	353	22,696	26,093	8,007,990	22	2,287	.8	85.7
Auxiliary works	349	16,453	17,955	5,386,424	15	1,653	.8	92.1
Coke ovens	337	20,887	23,223	6,987,035	25	1,233	1.1	55.9
Boshov coke ovens	232	3,976	3,071	921,253	2	237	.7	98.5
By-products coke ovens	362	16,691	20,152	6,045,782	23	996	1.1	49.5

¹ Exclusive of coal.

² Not available.

Source: Bureau of mines, Department of Commerce.

No. 791.—FATAL ACCIDENTS IN MINERAL INDUSTRIES: BY CAUSES

Class of plants and cause	1921	1922	1923	1924	1925	1926	1927	1928
Coal mines	1,995	1,984	2,492	2,492	2,234	2,518	2,231	2,170
Falls of roof (coal, rock, etc.)	925	788	1,058	941	977	1,093	1,015	918
Falls of face or pillar coal	100	120	109	121	103	121	134	150
Mine cars and locomotives	366	373	449	404	385	463	386	385
Explosions of gas or coal dust	126	311	372	536	345	422	247	370
Explosives	142	93	115	99	102	96	110	74
Electricity (shock or burns)	97	83	83	90	100	112	114	93
Mining machines and machinery	34	41	40	38	44	35	38	39
Mine fires (burned, suffocated, etc.)	16			2	10	1	4	1
Shaft fatalities	35	41	46	29	34	35	29	25
Railway cars and locomotives	20	22	24	20	16	20	15	17
Other causes	133	112	157	116	118	120	139	98

¹ Includes premature blasts, explosion of misfires, suffocation by gas from explosives, flying pieces from blasts, etc.

No. 791.—FATAL ACCIDENTS IN MINERAL INDUSTRIES: BY CAUSES—Contd.

Class of plants and cause	1921	1922	1923	1924	1925	1926	1927	1928
Metal mines¹	239	344	387	418	371	430	352	273
Falls or slides of rock or ore	72	105	111	131	116	126	103	88
Rock or ore (underground loading)	2	3	2	8	4	6	6	8
Explosives	23	30	42	52	52	49	37	21
Hoisting	21	37	62	58	56	30	41	32
Falls of persons	40	48	50	44	45	49	53	34
Run or fall of ore (chute, pocket, or bin)	6	7	6	4	8	9	6	7
Machinery, other than locomotives	6	11	11	9	7	5	14	8
Electricity	4	7	12	13	20	21	10	10
Mine fires and suffocation from natural gases	5	48	7	7	7	5	17	4
Shaft fatalities, other than falls of persons	24	28	31	16	24	26	31	31
Other causes	26	20	33	76	32	95	34	30
Quarries	180	132	143	138	149	154	135	119
Falls or slides of rock or overburden	20	25	31	26	34	32	38	29
Explosives	17	36	12	16	20	23	18	9
Hoisting	17	15	28	23	22	23	19	16
Falls of persons	11	7	16	16	15	9	12	19
Machinery	18	24	21	20	26	20	19	19
Drilling and channelling	1	1	1	1	1	1	1	2
Other causes	36	24	35	36	31	47	28	25
Smelting plants	14	16	17	16	19	20	22	18
Ore-dressing plants	4	12	24	20	17	13	17	15
Coke ovens	17	29	45	24	28	51	25	17

¹ Includes mines producing nonmetallic minerals other than coal. Source: Bureau of Mines, Department of Commerce.

No. 792.—ACCIDENTS IN MINERAL INDUSTRIES: BY GROUPS OF INDUSTRIES

Note.—Figures for metal mines include mines producing nonmetallic minerals other than coal

Year	Number employed		Killed	Injured		Year	Number employed		Killed	Injured	
	Actual number	Equivalent in 300-day workers		Temporary	Permanent		Actual number	Equivalent in 300-day workers		Temporary	Permanent
Metal mines:						Metallurgical Plants—Con.					
1915	152, 118	141, 997	553	34, 680	600	1915					
1919	145, 262	134, 871	498	31, 178	328	1916	58, 935	66, 220	44	7, 480	231
1920	136, 583	134, 546	425	32, 205	367	1920	57, 726	65, 687	48	7, 052	227
1921	93, 929	71, 516	230	18, 424	180	1927	53, 477	60, 201	54	5, 533	208
1922	105, 697	97, 138	344	25, 840	240	1928	45, 695	52, 668	44	4, 473	181
1923	123, 279	121, 806	307	33, 129	434	Coke ovens:					
1924	123, 128	119, 113	418	32, 706	412	1916	31, 603	34, 119	45	5, 154	83
1925	126, 713	123, 908	371	34, 458	674	1910	28, 741	27, 674	53	3, 908	123
1926	127, 823	123, 870	430	20, 773	577	1920	28, 139	20, 021	49	3, 396	79
1927	119, 669	113, 447	352	24, 605	528	1921	10, 204	13, 868	17	1, 829	24
1928	113, 806	109, 345	273	21, 914	599	1922	19, 278	18, 236	29	2, 674	36
Quarries:						1923	23, 729	25, 627	45	2, 517	76
1915	100, 740	82, 447	148	9, 148	523	1924	20, 451	20, 681	24	1, 697	38
1919	75, 505	63, 794	123	8, 951	248	1925	23, 254	24, 054	28	1, 652	44
1920	86, 483	77, 089	178	10, 880	337	1926	23, 115	24, 288	51	1, 874	48
1921	77, 185	59, 958	120	10, 126	339	1927	20, 667	23, 223	25	1, 282	53
1922	79, 081	68, 861	132	11, 442	397	1928	19, 390	21, 710	17	979	33
1923	92, 455	85, 153	143	14, 547	443	Coal mines:					
1924	94, 242	81, 426	138	14, 307	470	1911	728, 348	534, 122	2, 656	(1)	(1)
1925	91, 872	83, 487	149	13, 713	452	1915	734, 008	511, 598	2, 269	(1)	(1)
1926	91, 146	82, 561	154	12, 770	431	1916	720, 971	565, 766	2, 226	(1)	(1)
1927	91, 517	82, 699	135	13, 094	365	1919	776, 569	542, 217	2, 323	(1)	(1)
1928	89, 667	81, 325	119	10, 207	361	1920	784, 621	601, 283	2, 272	(1)	(1)
Metallurgical plants:						1921	823, 253	474, 529	1, 995	(1)	(1)
1916	80, 201	88, 596	83	14, 863	217	1922	844, 807	405, 056	1, 984	(1)	(1)
1919	61, 126	64, 358	64	8, 053	73	1923	862, 536	560, 000	2, 462	(1)	(1)
1920	59, 232	65, 587	61	8, 714	149	1924	776, 613	490, 806	2, 402	(1)	(1)
1921	33, 430	30, 549	27	4, 456	38	1925	748, 805	480, 227	2, 234	(1)	(1)
1922	44, 000	46, 008	45	6, 009	78	1926	769, 033	559, 426	2, 518	(1)	(1)
1923	53, 871	59, 490	58	8, 260	164	1927	759, 177	503, 065	2, 231	(1)	(1)
1924	56, 196	62, 948	55	8, 132	94	1928	682, 831	468, 680	2, 170	(1)	(1)

¹ Not available.

Source: Bureau of Mines, Department of Commerce.

32.—MANUFACTURES

[Data in this section relate to continental United States. For additional statistics regarding food manufacturing industries and mineral manufacturing industries see sections on Farm Animals and Animal Products, Farm Crops and Foodstuffs, and Mining and Mineral Products].

GENERAL NOTE.—Prior to 1899 census statistics of manufactures were collected decennially and from then to 1919 every five years. Beginning with 1921 data are being collected every two years. For the census of 1899 and previous censuses data were collected for both factories and hand and neighborhood industries. For the census years 1904 to 1919, inclusive, factories having products valued at \$500 or more were included, but the statistics beginning 1921 (except as to certain major items shown for that year in Table 794 only), relate only to establishments having products valued at \$5,000 or more. However, in 1921, establishments having products valued at \$500 or more but less than \$5,000, while constituting 21 per cent of the total number of establishments, employed only six-tenths of 1 per cent of the total number of wage earners, and had an output of only three-tenths of 1 per cent of the total value of the product.

The statistics for automobile repairing, collected for 1914 and 1919, have been excluded from Tables 793 and 795 to 797. Other adjustments in previously published figures in the third section of Table 793 and in Tables 795 to 797 have been made as follows: (1) Data for "Coffee and spice, roasting and grinding," have been added, except for 1925, for which year such data were not tabulated; (2) data for "Poultry killing and dressing" have been deducted, as no data were collected for this industry for 1927. Also in Table 793 the figures for salaried employees and salaries for 1923 and 1925 have been adjusted by deducting the number of salaried employees and salaries for central administrative office employees. Data in regard to salaried employees of central administrative offices were not collected for 1927. These data for 1914, 1919, and 1921 are not available, and therefore no change was made for these years.

Figures for wages, cost of materials, and value of products are greatly affected by changes in the buying power of money or, in other words, by the general levels of prices and wages. Figures of total cost of materials and total value of products for many individual industries, for all groups of industries, and especially for all industries combined, involve much duplication. This is due to the use of products of a given establishment as material for another in the same or a different industry.

No. 793.—MANUFACTURES: SUMMARY, 1849 TO 1927

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Horsepower	Salaries	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture
Factories and hand and neighborhood industries:									
1849	123	(¹)	067	(²)	(¹)	237	555	1, 019	464
1859	140	(¹)	1, 311	(²)	(¹)	379	1, 032	1, 886	854
1869	252	(¹)	2, 054	2, 340	(¹)	020	1, 901	3, 386	1, 395
1879	254	(¹)	2, 733	3, 411	(¹)	948	3, 397	5, 870	1, 973
1889	355	(¹)	4, 252	5, 939	(¹)	1, 891	5, 162	9, 372	4, 210
1899	512	(¹)	5, 306	10, 008	(¹)	2, 321	7, 344	13, 000	5, 656
Factories, excluding hand and neighborhood industries and establishments with products valued at less than \$500:									
1899	208	804	4, 713	(³)	381	2, 008	6, 876	11, 407	4, 831
1904	216	520	5, 408	13, 488	374	2, 610	8, 506	14, 794	6, 294
1908	268	790	6, 615	18, 675	930	3, 427	12, 143	20, 672	8, 329
1914	273	903	7, 024	22, 421	1, 274	4, 068	14, 359	24, 217	9, 858
Factories, excluding establishments with products valued at less than \$5,000:									
1914	177	3, 962	6, 895	22, 289	1, 274	4, 067	14, 267	23, 975	9, 708
1910	214	3, 438	8, 008	29, 324	2, 880	10, 460	37, 197	62, 000	24, 808
1911	195	1, 146	6, 944	(³)	2, 562	8, 209	25, 262	43, 619	18, 327
1921	190	1, 269	8, 777	33, 692	2, 800	11, 008	34, 034	60, 590	25, 346
1923	187	1, 255	8, 382	35, 787	2, 921	10, 727	35, 897	62, 668	26, 771
1925	192	1, 301	8, 350	38, 826	3, 280	10, 340	35, 133	62, 718	27, 585

¹ No comparable data.

² Not called for on schedule.

³ Data approximately the same as given for factories and hand and neighborhood industries, as the amount of horsepower used in the latter is small.

⁴ Includes data for "Poultry killing and dressing" industry.

⁵ Includes data for all establishments reporting products valued at \$500 or more. These items were not tabulated separately for establishments reporting products valued between \$500 and \$5,000.

Source: Bureau of the Census, Department of Commerce.

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No. 794.—MANUFACTURES: ESTABLISHMENTS, CLASSIFIED BY VALUE OF PRODUCTS¹

NOTE.—Data for the "Coffee and spice, roasting and grinding" industry omitted for 1925 but included for other years. See general note, p. 785. Data by size of establishments were not compiled in 1927

Class of establishments according to value of products	Establishments		Wage earners		Value of products	
	Number	Per cent distribution	Average number	Per cent distribution	Amount	Per cent distribution
Less than \$5,000:						
1925	(²)		(¹)		(²)	
1923	(²)		(²)		(²)	
1921	53,999		40,024	0.6	136,926,075	0.3
1919	65,485		45,813	.5	107,086,044	.8
1914	97,060		120,623	1.8	233,381,081	1.0
\$5,000 and over:						
1925	187,390	100.0	8,384,261	100.0	62,713,713,730	100.0
1923	196,300	100.0	8,778,156	100.0	60,855,998,200	100.0
1921	196,267	100.0	6,946,570	99.4	43,663,282,833	99.7
1919	224,620	100.0	9,080,569	99.5	62,250,993,720	99.7
1914	178,731	100.0	6,906,624	98.2	24,018,053,043	99.0
\$5,000 to \$20,000:						
1925	55,876	29.8	156,373	1.9	628,373,403	1.0
1923	61,981	31.6	189,738	2.2	697,999,730	1.1
1921	71,075	36.2	224,852	3.2	782,977,433	1.8
1919	87,440	38.0	249,722	2.7	945,002,857	1.5
1914	87,931	48.2	429,037	6.1	905,093,168	3.7
\$20,000 to \$100,000:						
1925	68,951	36.8	660,309	7.9	3,272,190,872	5.2
1923	72,370	36.9	718,746	8.2	3,420,433,520	5.7
1921	72,251	36.8	746,024	10.7	3,330,350,409	7.6
1919	77,911	34.7	793,528	8.7	3,571,283,301	5.7
1914	56,814	31.8	999,510	14.2	2,550,229,411	10.5
\$100,000 to \$500,000:						
1925	42,209	22.5	1,076,911	20.0	9,576,090,022	15.3
1923	42,075	21.4	1,721,200	19.6	9,490,692,898	15.7
1921	38,027	19.4	1,629,573	23.3	8,405,758,540	19.2
1919	39,647	17.7	1,719,982	18.9	8,905,872,131	14.4
1914	25,847	14.6	3,002,071	42.7	5,742,370,392	23.7
\$500,000 to \$1,000,000:						
1925	9,771	5.2	1,131,439	13.5	6,870,112,293	11.0
1923	9,556	4.9	1,134,897	12.9	6,752,818,172	11.1
1921	7,581	3.9	906,559	13.8	5,290,720,583	12.1
1919	9,208	4.1	1,114,615	12.3	6,467,131,823	10.4
1914	4,320	2.4	(¹)	(¹)	3,020,093,743	12.5
\$1,000,000 and over:						
1925	10,583	5.6	4,760,229	56.8	42,360,941,140	67.6
1923	10,327	5.2	5,013,509	57.1	40,182,150,874	65.4
1921	7,333	3.7	3,379,562	48.4	25,837,476,868	59.0
1919	10,414	4.6	5,172,712	56.9	42,301,103,017	67.9
1914	3,819	2.1	2,476,006	35.2	11,794,060,929	48.6

¹ To make the percentages for the numbers of establishments comparable, those for all 5 years have been based on the numbers of establishments reporting products valued at \$5,000 or more. The percentages for wage earners and value of products, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923 and 1925.

² No data for establishments with products under \$5,000 in value have been tabulated for 1923 and 1925.

³ The data for the 53,999 establishments in the "Less than \$5,000" class are not included in other tables.

⁴ Data for \$500,000 to \$1,000,000 class and \$100,000 to \$500,000 class combined.

Source: Bureau of the Census, Department of Commerce.

No. 795.—MANUFACTURES: PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY

NOTE.—"Total rated capacity" includes rented electric power, but not other rented power. No data for primes movers were collected for 1921. As to comparability of figures and adjustments in previously published figures, see general note, p. 785

Year, division, and industry group	Establishments reporting power equipment	Prime movers								Electric motors driven by current generated in establishments reporting		Electric generators		
		Total rated capacity (horse-power)	Steam engines and turbines		Internal-combustion engines		Water wheels and water turbines ¹		Electric motors driven by purchased current		Number	Horse-power	Number	Kilowatts
			Number	Horse-power	Number	Horse-power	Number	Horse-power	Number	Horse-power				
United States:														
1927	174, 118	38, 825, 681	73, 352	16, 923, 931	12, 664	1, 170, 774	7, 594	1, 598, 666	2, 151, 675	19, 132, 310	790, 810	11, 206, 979	19, 028	7, 345, 685
1925	167, 533	35, 766, 944	82, 152	16, 915, 740	14, 354	1, 185, 738	8, 393	1, 800, 828	1, 723, 539	15, 864, 638	772, 411	10, 254, 658	23, 630	6, 886, 814
1923	173, 415	33, 092, 222	90, 041	16, 700, 442	15, 718	1, 224, 172	9, 293	1, 803, 310	1, 425, 492	13, 304, 298	616, 387	8, 821, 403	(2)	(2)
1919 ²	222, 942	29, 323, 853	122, 472	17, 034, 259	30, 470	1, 241, 722	13, 980	1, 765, 131	976, 278	9, 282, 541	486, 805	6, 968, 950	(2)	(2)
1927														
New England	16, 395	4, 566, 155	6, 480	1, 788, 876	644	25, 373	2, 778	761, 858	245, 279	1, 990, 048	128, 102	1, 257, 859	2, 739	1, 007, 732
Middle Atlantic	55, 359	10, 968, 754	18, 383	5, 009, 700	2, 863	335, 039	1, 753	280, 722	646, 309	5, 343, 293	261, 959	3, 404, 515	5, 561	1, 968, 578
East North Central	39, 681	11, 056, 846	17, 208	4, 941, 504	2, 639	395, 407	1, 083	226, 204	617, 071	5, 493, 731	244, 560	3, 975, 818	5, 293	2, 442, 419
West North Central	15, 015	2, 032, 074	4, 867	780, 491	1, 119	74, 979	224	83, 670	126, 514	1, 093, 934	37, 838	492, 978	1, 191	365, 488
South Atlantic	15, 462	3, 805, 038	9, 838	1, 554, 492	1, 943	160, 606	1, 154	153, 987	207, 386	1, 985, 953	55, 864	837, 516	1, 534	670, 652
East South Central	7, 219	1, 787, 356	5, 506	896, 232	1, 257	39, 349	172	10, 427	85, 466	841, 378	16, 604	238, 535	722	232, 191
West South Central	7, 672	1, 419, 558	5, 254	798, 629	1, 195	92, 071	110	4, 510	52, 366	524, 348	14, 188	330, 706	964	227, 388
Mountain	3, 573	829, 256	1, 742	424, 312	323	15, 456	84	6, 080	27, 504	338, 408	8, 504	210, 292	440	141, 847
Pacific	13, 741	2, 359, 614	4, 102	729, 695	681	32, 494	196	71, 208	140, 747	1, 526, 217	23, 191	418, 758	584	289, 390
Food and kindred products	46, 564	4, 134, 973	14, 367	1, 489, 756	3, 959	185, 969	1, 861	104, 373	277, 779	2, 354, 875	65, 441	632, 279	3, 062	474, 371
Textiles and their products	24, 873	4, 173, 439	4, 436	1, 796, 153	261	15, 056	2, 148	427, 563	415, 648	1, 934, 666	149, 844	1, 055, 750	2, 720	1, 005, 723
Lumber and allied products	18, 830	3, 321, 755	17, 178	2, 178, 696	2, 363	56, 628	56	36, 944	127, 259	1, 049, 487	66, 931	829, 405	2, 290	611, 817
Paper and paper products	2, 935	2, 814, 795	3, 624	1, 108, 636	83	7, 075	1, 995	901, 483	55, 302	797, 601	42, 365	990, 050	1, 466	716, 230
Printing, publishing, and allied industries	22, 078	568, 427	207	39, 452	438	4, 322	4	180	222, 879	524, 473	8, 299	31, 783	215	25, 049
Chemicals and allied products	6, 276	1, 851, 490	4, 635	849, 399	517	30, 582	88	29, 722	77, 446	941, 787	40, 001	429, 234	1, 241	380, 681
Products of petroleum and coal	1, 269	1, 510, 133	9, 202	1, 007, 755	575	67, 998	2	216	18, 338	434, 164	18, 554	502, 159	483	298, 752
Rubber products	495	790, 622	338	269, 152	9	337	23	3, 415	27, 507	517, 718	13, 888	206, 862	182	165, 618
Leather and its manufactures	3, 958	419, 591	1, 123	208, 939	72	4, 243	39	3, 912	43, 565	202, 497	20, 438	134, 103	554	114, 978
Stone, clay, and glass products	7, 096	2, 709, 131	3, 556	954, 945	1, 702	101, 450	148	29, 637	76, 313	1, 623, 099	27, 840	730, 171	1, 124	523, 481
Iron, steel, and products, excl. machinery	6, 189	8, 323, 037	6, 290	4, 618, 552	592	587, 453	167	16, 120	172, 410	3, 100, 912	123, 512	3, 605, 699	1, 776	1, 668, 703
Nonferrous metals and their products	5, 254	1, 219, 598	852	423, 268	189	7, 531	68	7, 549	66, 908	781, 250	20, 719	298, 712	469	232, 847
Machinery, excl. transportation equipment	11, 758	3, 009, 265	2, 392	747, 475	961	59, 250	346	20, 354	270, 484	2, 182, 186	112, 038	865, 413	1, 510	502, 631
Transportation equipment—air, land, water	2, 484	2, 027, 636	1, 410	550, 038	322	16, 901	25	9, 297	152, 365	1, 446, 450	38, 550	473, 944	662	351, 015
Railroad repair shops	2, 016	1, 110, 821	2, 067	429, 091	145	6, 525	4	482	44, 314	674, 723	18, 044	264, 289	729	172, 310
Miscellaneous	11, 153	840, 919	1, 605	247, 624	456	19, 454	115	7, 419	103, 068	566, 422	24, 290	157, 616	545	111, 485

MANUFACTURES

¹ Data for a small number of water motors included for 1919, but not for 1923, 1925, or 1927.

² Includes data for establishments with products valued at less than \$5,000. Statistics for 1923, 1925, and 1927 refer only to establishments with products valued at \$5,000 or more.

Source: Bureau of the Census, Department of Commerce.

No. 796.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

NOTE.—See general note, p. 785. Due to a change in the classification of a number of the industries the figures for the majority of the groups differ from those previously published. The figures for 1890 are estimated in part, but are believed to be fairly comparable with those for later years

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
All industries....	1927	191,866	8,340,755	10,848,803	35,133,137	62,718,347	27,685,210	38,825,081
	1925	187,224	8,381,511	10,727,338	35,896,889	62,608,200	26,771,373	35,766,944
	1923	190,198	8,776,646	11,007,851	34,683,915	60,520,574	25,845,650	33,092,222
	1921	196,082	9,044,315	8,200,359	25,201,734	43,618,500	18,326,832	(1)
	1919	274,402	9,039,171	10,450,743	37,252,715	62,151,721	24,899,005	20,323,653
	1914	272,402	7,022,332	4,067,006	14,347,730	24,203,598	9,855,808	22,288,970
	1899	207,514	4,712,703	(2)	6,575,851	11,406,027	4,831,076	(2)
	1. Food and kindred products.	1927	49,787	679,520	823,388	8,113,433	11,015,800	2,902,427	4,134,973
1925		47,946	662,010	791,049	7,709,917	10,373,082	2,693,166	3,870,298
1923		51,720	680,627	794,125	6,969,044	9,497,627	2,528,563	3,721,019
1921		51,944	624,363	744,801	6,005,612	8,232,413	2,138,801	(3)
1919		69,227	731,524	772,670	10,216,615	12,706,643	2,490,028	3,199,090
1914		67,227	535,083	302,719	3,505,081	4,964,844	1,068,863	2,501,702
1899		46,590	321,016	(3)	1,782,767	2,228,346	445,570	(3)
2. Textiles and their products.		1927	26,843	1,694,416	1,759,958	4,922,716	8,050,473	4,027,757	4,173,438
	1925	24,450	1,628,283	1,654,814	5,349,025	6,123,155	3,776,230	3,086,522
	1923	26,763	1,715,293	1,743,798	5,304,441	6,462,282	4,067,841	3,798,401
	1921	25,955	1,509,738	1,472,352	3,801,000	6,056,465	3,155,375	(3)
	1919	28,451	1,610,008	1,481,143	5,379,388	9,210,933	3,831,545	3,218,364
	1914	23,350	1,605,912	675,782	2,013,788	3,444,810	1,431,073	2,717,078
	1899	6,663	1,022,123	(3)	894,840	1,628,606	739,300	(3)
	3. Lumber and allied products.	1927	20,163	862,667	929,790	1,633,938	3,457,427	1,822,489	3,321,756
1925		21,926	921,266	978,472	1,725,351	3,689,127	1,963,776	3,472,970
1923		21,678	931,816	992,595	1,606,305	3,633,386	1,966,961	3,336,236
1921		21,398	793,360	670,462	1,197,628	2,456,867	1,259,229	(3)
1919		41,201	864,001	859,872	1,365,341	3,118,460	1,745,110	3,409,746
1914		43,456	865,294	446,897	765,936	1,616,453	860,517	3,170,436
1899		36,950	671,696	(3)	489,930	1,007,532	526,602	(3)
4. Paper and paper products. ¹		1927	2,989	225,506	273,571	1,084,923	1,709,780	714,848	2,814,705
	1925	2,743	222,745	264,692	921,650	1,560,480	636,821	2,575,520
	1923	2,704	219,955	251,242	879,938	1,466,220	589,291	2,314,533
	1921	2,618	185,572	203,547	670,408	1,082,331	411,923	(3)
	1919	2,696	208,518	213,090	721,225	1,261,674	550,748	1,997,514
	1914	2,477	167,825	80,422	315,459	522,716	207,257	1,697,624
	1899	(3)	(3)	(3)	(3)	(3)	(3)	(3)
	5. Printing, publishing, and allied industries.	1927	25,416	327,534	584,760	752,469	2,840,078	2,003,600	568,427
1925		23,810	314,021	540,824	692,576	2,583,205	1,890,620	485,274
1923		23,095	307,064	491,808	664,481	2,366,050	1,641,570	428,996
1921		22,750	281,684	433,883	661,963	2,008,233	1,400,271	(3)
1919		33,728	301,631	351,623	586,077	1,762,859	1,175,882	379,108
1914		34,732	285,181	207,144	266,869	934,009	608,291	341,449
1899		26,061	208,744	(3)	214,566	607,907	398,341	(3)
6. Chemicals and allied products. ¹		1927	7,586	254,004	318,707	1,809,399	3,363,548	1,554,149
	1925	7,385	245,410	297,346	1,837,388	3,224,470	1,387,082	1,752,348
	1923	7,249	247,130	289,693	1,710,204	2,946,146	1,235,942	1,637,200
	1921	7,398	200,016	224,867	1,358,214	2,234,630	870,616	(3)
	1919	10,785	329,525	366,454	2,274,146	3,812,622	1,538,470	1,722,609
	1914	11,538	258,889	164,703	1,013,862	1,969,549	965,667	1,461,953
	1899	14,667	306,235	(3)	267,220	1,310,447	692,227	(3)
	7. Products of petroleum and coal. ⁷	1927	1,373	141,087	216,686	2,256,354	3,048,570	792,185
1925		1,529	135,759	209,214	2,349,787	3,216,769	806,982	1,238,010
1923		1,698	137,727	212,058	1,974,111	2,766,304	732,194	1,089,942
1921		1,510	114,686	179,918	1,755,495	2,393,127	607,632	(3)
1919		1,631	131,287	185,029	1,631,112	2,280,301	649,189	707,410
1914		1,705	90,406	60,600	471,791	716,737	244,940	462,064

¹ Not called for on schedule.

² Data not compiled for 199 by groups.

³ Data for 1899 included with group 5.

⁴ Includes data for group 4.

⁵ The fact that the increase in the "Chemicals and allied products" group is less than in most others is due to the decline in the production of alcoholic liquors which are included. For figures excluding alcoholic liquors see p. 798.

⁶ Includes data for group 7.

⁷ Data for 1899 included with group 6.

No. 796.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES—Continued

Industry	Cen-sus year	Number of estab-lish-ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufac-ture	Horse-power
8. Rubber products...	1927	516	141,007	198,074	600,370	1,225,077	564,707	790,022
	1925	530	141,869	191,280	721,730	1,280,805	530,075	650,691
	1923	529	137,808	182,084	501,163	958,518	457,355	605,634
	1921	490	103,273	123,113	377,870	704,903	327,024	(¹)
	1919	477	158,549	193,703	504,344	1,138,216	543,872	420,273
	1914	342	74,022	44,167	103,035	300,994	137,050	190,242
	1899	303	36,507	(²)	00,245	00,886	30,641	(²)
9. Leather and its manufactures.	1927	4,205	315,991	304,447	1,088,041	1,809,305	780,064	419,591
	1925	4,243	314,025	355,846	1,012,381	1,703,709	750,320	413,173
	1923	4,408	344,545	388,030	1,083,845	1,880,086	790,740	412,998
	1921	4,613	280,071	314,412	934,398	1,544,185	609,788	(¹)
	1919	6,397	349,362	303,453	1,713,807	2,010,231	890,423	382,537
	1914	6,768	307,060	100,358	753,135	1,104,595	351,450	311,194
	1899	6,410	248,626	(²)	390,633	582,048	185,415	(²)
10. Stone, clay, and glass products.	1927	8,673	350,017	404,273	504,774	1,012,549	1,017,774	2,700,181
	1925	8,478	353,030	407,012	608,427	1,040,052	1,037,225	2,348,157
	1923	8,317	351,092	453,567	573,472	1,569,121	980,648	1,936,054
	1921	8,347	262,900	307,005	428,259	1,059,091	604,832	(¹)
	1919	12,699	302,810	332,728	422,611	1,111,745	689,135	1,584,917
	1914	14,790	335,824	200,085	240,818	618,700	377,882	1,493,976
	1899	11,535	231,716	(²)	86,137	270,550	185,613	(²)
11. Iron and steel and their products, not including machinery.	1927	6,346	835,501	1,204,406	3,544,003	6,190,252	2,054,345	8,323,087
	1925	6,068	851,270	1,284,339	3,734,350	6,461,008	2,727,318	7,518,909
	1923	6,358	892,660	1,324,687	4,152,018	6,828,841	2,075,923	7,259,275
	1921	6,255	871,798	1,731,184	2,140,345	3,456,387	1,316,043	(¹)
	1919	7,621	868,871	1,244,400	3,423,073	5,889,523	2,465,845	6,430,002
	1914	6,931	818,349	421,089	1,315,808	2,137,027	821,819	4,587,816
	1899	4,617	270,884	(²)	614,203	915,890	301,001	(²)
12. Nonferrous metals and their products.	1927	6,058	270,545	380,865	1,780,358	2,098,097	888,539	1,219,598
	1925	6,024	275,292	380,782	1,040,777	2,833,771	886,993	1,158,486
	1923	7,433	290,911	394,024	1,707,072	2,684,082	860,959	1,168,056
	1921	7,801	212,354	250,252	585,830	1,409,875	521,038	(¹)
	1919	10,346	304,105	358,039	1,737,025	2,517,417	780,892	961,770
	1914	9,708	238,246	153,055	903,704	1,327,930	364,136	540,326
	1899	4,723	168,702	(²)	460,376	681,020	212,244	(²)
13. Machinery, not including transport equipment.	1927	12,037	880,427	1,287,778	2,062,671	5,368,015	3,305,344	3,009,285
	1925	11,807	868,843	1,225,350	1,985,367	5,020,281	3,034,914	2,714,377
	1923	12,147	907,707	1,253,743	1,801,524	4,727,818	2,830,294	2,800,443
	1921	12,395	662,277	832,783	1,361,163	3,235,075	1,878,912	(¹)
	1919	14,821	998,484	1,240,487	1,973,458	4,708,673	2,795,216	2,060,325
	1914	13,437	618,737	412,406	692,907	1,582,408	910,442	1,250,908
	1899	12,427	472,571	(²)	407,021	906,250	499,220	(²)
14. Transportation equipment, air, land, and water.	1927	2,537	494,905	803,298	2,907,940	4,093,072	1,786,022	2,003,853
	1925	2,778	550,578	908,488	3,389,101	5,451,758	2,062,052	1,888,961
	1923	3,873	690,328	993,030	3,394,505	5,333,479	1,938,976	1,624,468
	1921	4,273	405,773	691,334	1,805,011	3,018,154	1,215,143	(¹)
	1919	6,708	858,582	1,250,014	3,200,602	5,027,293	2,426,601	1,453,804
	1914	7,818	312,662	230,015	639,793	1,137,423	497,930	602,459
	1899	9,825	182,318	(²)	187,890	355,015	187,725	(²)
15. Railroad repair shops.	1927	2,309	428,072	648,908	545,492	1,280,095	744,203	1,110,821
	1925	2,363	467,755	668,102	503,046	1,332,679	700,083	942,248
	1923	2,348	623,430	772,068	631,358	1,520,093	888,734	798,005
	1921	2,326	418,285	671,956	506,571	1,207,343	700,771	(¹)
	1919	2,368	515,709	720,090	547,820	1,354,440	800,617	644,875
	1914	2,011	365,902	253,150	261,438	552,618	261,180	478,393
	1899	1,404	180,677	(²)	118,876	227,600	118,733	(²)
16. Miscellaneous.....	1927	14,368	440,060	530,887	1,374,708	3,810,050	1,935,946	840,919
	1925	14,263	440,340	610,122	1,353,006	3,139,054	1,776,648	735,940
	1923	15,502	475,893	629,026	1,429,924	3,005,593	1,675,681	708,759
	1921	15,810	418,175	442,432	1,315,862	2,553,298	1,242,485	(¹)
	1919	25,286	516,520	511,066	1,451,659	2,995,415	1,539,556	752,160
	1914	20,032	443,040	228,105	604,336	1,272,095	667,768	450,845
	1899	25,730	301,888	(²)	241,136	375,512	334,370	(²)

¹ Not called for on schedule.² Data not compiled for 1899 by groups.

Source: Bureau of the Census, Department of Commerce.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

Note.—The figures given in this table do not represent exactly the numbers of wage earners, values of products, etc., assignable to the classes of commodities from which the industries derive their names, as it is necessary for census purposes to classify each establishment as a whole in some one industry, according to the character of its principal product, although in many cases a single establishment manufactures two or more classes of commodities. The figures for cost of materials and value of products for each group and each subgroup include considerable duplication due to the use of the products of one industry as the materials for another, and in some cases similar duplication occurs within an industry. As to comparability of figures see general note, page 785. No data for horsepower were collected for 1921. Horsepower figures for 1919 and 1914 in certain industries differ from those in certain previous reports because of exclusion here and inclusion in the previous reports of data for purchased power other than electric. For totals for all industries and for 18 great groups see Table 796. Five census years have been shown for all industries that reported \$200,000,000 or more in value of products or over 50,000 wage earners in 1927. For other industries 1914, 1926, and 1927 have been shown except as indicated by footnotes

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS								
Animal products, total. ¹	1927	11, 774	189, 645	249, 881	3, 815, 254	4, 563, 030	747, 782	905, 303
	1925	11, 607	187, 182	242, 672	3, 713, 754	4, 453, 477	730, 723	870, 104
	1923	12, 449	205, 548	254, 414	3, 238, 078	3, 951, 221	712, 242	783, 488
	1921	11, 100	190, 535	226, 636	2, 657, 977	3, 241, 845	585, 868	-----
	1914	12, 272	140, 039	90, 751	1, 828, 078	2, 128, 666	300, 587	448, 447
Butter	1927	3, 519	20, 006	25, 633	637, 337	739, 011	101, 074	145, 973
	1925	3, 493	17, 758	22, 283	603, 397	683, 593	80, 190	120, 872
	1923	3, 653	20, 312	24, 050	540, 558	640, 474	90, 916	120, 351
	1921	3, 444	18, 509	22, 020	407, 501	470, 724	72, 223	-----
	1914	4, 356	14, 149	10, 120	212, 547	243, 370	30, 832	61, 448
Cheese	1927	2, 738	3, 520	4, 807	100, 788	118, 448	17, 600	20, 976
	1925	2, 935	3, 398	4, 320	103, 669	118, 678	15, 109	20, 830
	1914	3, 082	2, 908	2, 006	46, 759	51, 745	4, 986	19, 209
Condensed and evaporated milk.	1927	464	7, 300	9, 191	159, 660	200, 080	40, 406	69, 909
	1925	402	7, 118	8, 891	140, 041	171, 247	31, 206	53, 937
	1914	190	6, 002	3, 662	55, 720	69, 161	13, 441	19, 602
Ice cream	1927	2, 961	21, 927	33, 108	150, 962	301, 045	151, 043	206, 315
	1925	2, 790	23, 043	32, 457	140, 804	280, 176	146, 312	189, 328
	1923	2, 762	23, 132	32, 435	145, 307	269, 967	114, 600	169, 730
	1921	2, 528	20, 209	28, 237	121, 170	213, 262	92, 092	-----
	1914	2, 437	10, 376	6, 845	32, 772	55, 983	23, 211	45, 408
Slaughtering and meat packing, wholesale.	1927	1, 260	119, 005	161, 584	2, 663, 740	3, 057, 916	393, 475	489, 876
	1925	1, 269	120, 422	159, 355	2, 626, 192	3, 050, 286	428, 004	441, 516
	1923	1, 397	133, 702	187, 569	2, 176, 010	2, 585, 504	409, 794	382, 127
	1921	1, 184	117, 042	152, 903	1, 868, 108	2, 200, 942	332, 744	-----
	1914	1, 279	98, 832	62, 136	1, 441, 093	1, 651, 965	210, 302	252, 070
Sausage and sausage casings, not made in slaughtering and meat-packing establishments.	1927	505	4, 967	7, 464	60, 216	81, 548	21, 333	19, 980
	1925	489	4, 914	7, 652	61, 497	82, 430	20, 939	18, 184
	1914	533	2, 616	1, 820	17, 926	23, 083	5, 157	7, 840
Canning and preserving: Fish, crabs, shrimps, oysters, and clams.	1927	337	12, 650	8, 106	42, 892	65, 082	22, 191	18, 574
	1925	319	10, 530	7, 234	30, 194	61, 061	21, 867	19, 527
	1914	395	11, 156	4, 103	20, 692	33, 349	12, 657	12, 861
Vegetable products and beverages, total. ¹	1927	38, 018	480, 376	573, 506	4, 208, 170	6, 452, 824	2, 154, 045	3, 169, 610
	1925	36, 250	474, 827	548, 377	3, 996, 163	5, 919, 006	1, 923, 443	3, 008, 074
	1923	39, 271	477, 079	530, 711	3, 730, 085	5, 546, 400	1, 810, 321	2, 937, 531
	1921	46, 784	443, 823	514, 666	3, 435, 634	4, 990, 567	1, 554, 933	-----
	1914	55, 015	389, 044	211, 968	2, 067, 903	2, 836, 170	768, 276	2, 053, 255
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces.	1927	2, 436	80, 624	62, 310	355, 186	572, 346	217, 160	189, 831
	1925	2, 403	85, 866	67, 427	395, 673	616, 071	230, 497	187, 400
	1923	2, 438	72, 634	67, 153	298, 968	515, 816	216, 348	176, 714
	1921	1, 905	51, 729	36, 800	237, 682	365, 717	128, 035	-----
	1914	3, 825	62, 915	23, 095	138, 966	210, 091	71, 125	106, 487
Chocolate and cocoa products, not including confectionery.	1927	69	6, 427	7, 339	90, 423	122, 723	32, 300	62, 742
	1925	60	7, 128	7, 992	73, 522	106, 642	33, 120	53, 266
	1914	36	4, 160	2, 036	24, 483	35, 713	11, 230	10, 676
Coffee and spice, ² roasting and grinding.	1927	784	8, 195	9, 537	284, 653	391, 261	99, 629	42, 542
	1925	729	9, 665	10, 010	224, 843	297, 528	72, 684	37, 358
	1921	712	8, 882	9, 372	166, 249	220, 050	69, 810	-----
	1914	696	8, 549	4, 508	116, 520	150, 749	84, 229	26, 656

For footnotes see p. 813.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
FOOD AND KINDRED PRODUCTS—Con.								
Confectionery-----	1927	1,908	63,163	56,981	218,373	391,027	173,555	110,595
	1925	1,931	63,600	55,235	205,433	379,081	173,649	100,455
	1923	2,014	63,485	54,881	202,719	366,250	163,637	91,455
	1921	2,264	61,004	50,210	174,072	313,998	139,922	83,879
	1914	2,317	51,010	20,644	38,693	153,035	59,926	62,379
Chewing gum-----	1927	40	2,524	2,727	27,168	62,001	84,834	10,097
	1925	41	2,180	2,638	17,968	47,838	29,870	7,712
	1914	74	2,048	828	7,322	17,160	9,833	3,030
Flavoring extracts, flavoring sirups, and bitters.	1927	500	5,011	7,134	51,091	107,210	56,129	27,063
	1925	431	3,890	5,078	47,004	94,212	47,148	23,313
	1914	530	2,390	1,150	13,004	26,096	12,792	3,526
Flour and other grain-mill products.	1927	4,035	20,082	37,559	972,711	1,148,700	176,049	641,608
	1925	4,413	31,988	39,700	1,125,379	1,293,015	172,636	669,910
	1923	5,232	35,194	41,704	885,972	1,048,678	162,606	709,850
	1921	6,485	35,378	43,143	998,810	1,179,740	185,930	821,406
	1914	10,788	30,718	24,593	732,270	877,680	125,410	284,244
Bread and other bakery products.	1927	18,120	171,905	236,226	693,236	1,394,700	701,404	227,286
	1925	17,084	160,411	219,606	698,017	1,268,195	600,178	193,186
	1923	18,789	162,013	214,570	574,520	1,122,900	548,386	106,767
	1921	20,178	148,500	198,930	598,014	1,089,972	491,338	115,855
	1914	25,963	124,652	76,397	274,257	491,893	217,636	33,462
Feeds, prepared, for animals and fowls. ¹	1927	447	7,632	9,703	244,670	290,793	55,117	115,855
Lard substitutes and vegetable cooking oils. ⁴	1927	33	2,656	2,624	137,079	148,468	11,389	33,462
Macaroni, spaghetti, vermicelli, and noodles. ⁵	1927	353	4,587	5,071	27,434	45,353	17,919	21,406
	1925	327	4,560	5,026	27,491	45,489	15,998	19,873
	1914	373	2,534	1,638	7,938	12,884	4,945	8,562
Oleomargarine and other butter substitutes, not made in slaughtering and meat-packing establishments.	1927	86	1,502	2,258	27,145	39,282	12,137	8,746
	1925	38	1,639	2,278	26,384	39,856	11,472	6,740
	1914	17	917	584	10,257	15,080	4,822	3,431
Food preparations not elsewhere classified. ⁶	1927	674	10,204	11,387	98,249	166,965	68,716	34,773
	1925	694	11,562	11,091	106,773	172,562	65,789	32,619
	1923	638	10,656	10,146	85,260	138,798	53,529	32,605
	1921	638	8,870	8,489	8,376	109,838	41,462	17,340
	1914	814	6,944	3,621	35,923	65,858	19,936	81,003
Corn sirup, corn oil, and starch.	1927	26	6,072	10,490	90,909	134,461	43,555	72,617
	1925	30	5,492	9,373	93,094	132,898	39,834	41,454
	1914	89	4,509	3,550	40,208	52,015	12,407	8,890
Peanuts: Grading, roasting, cleaning, and shelling. ⁷	1925	69	1,090	978	18,184	20,624	2,440	7,703
	1923	71	1,492	743	15,176	18,189	3,013	4,232
	1914	61	2,363	609	12,571	14,960	2,425	13,950
Peanuts, walnuts, and other nuts, processed. ⁸	1927	144	7,376	3,287	45,890	65,960	10,669	23,012
Rice cleaning and polishing.	1927	60	1,524	1,546	46,481	54,130	7,649	21,906
	1925	63	1,206	1,098	45,847	53,498	7,651	15,571
	1914	59	1,253	646	20,610	23,039	2,423	45,705
Sugar, beet-----	1927	79	7,402	9,710	79,017	104,927	25,910	146,985
	1925	80	8,872	12,088	37,038	132,339	45,301	76,705
	1914	60	7,997	6,606	41,399	62,605	21,206	45,705
Sugar, cane, not including products of refineries.	1927	53	971	639	5,890	8,009	2,179	72,706
	1925	94	2,060	1,411	11,586	13,435	1,849	113,246
	1914	181	3,032	1,561	15,968	21,035	5,677	86,979
Sugar refining, cane....	1927	21	13,090	17,707	551,594	597,440	45,851	89,098
	1925	21	14,502	18,955	549,896	606,633	56,737	72,682
	1923	20	15,264	20,044	681,880	726,241	44,361	49,666
	1921	20	15,487	19,463	426,001	466,602	40,001	15,390
	1914	18	11,263	7,323	264,085	289,399	25,314	15,259
Malt-----	1927	23	500	904	17,187	20,274	3,087	32,404
	1925	23	568	903	19,980	24,009	4,083	
	1914	97	1,089	1,828	39,199	48,133	8,934	

For footnotes see p. 813.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS—Con.								
Vinegar and cider.....	1927	158	1,123	1,230	5,858	10,755	4,897	7,562
	1925	161	1,243	1,232	6,838	12,293	5,305	6,622
	1914	618	1,229	713	4,440	7,811	3,371	13,117
Cereal preparations ⁸	1927	77	6,028	8,417	91,748	155,563	63,815	50,979
	1925	90	6,168	7,942	92,577	150,079	57,502	52,628
	1914	137	5,177	3,184	30,707	59,985	23,218	25,820
Beverages ⁹	1927	4,769	26,972	36,101	95,430	242,094	147,204	163,731
	1925	4,210	27,384	36,053	98,466	237,761	139,295	168,805
	1923	4,514	29,274	37,689	99,672	228,730	120,158	136,528
	1921	3,867	33,202	45,652	110,102	237,628	121,526	126,628
	1914	5,463	15,506	8,864	20,779	58,401	31,622	24,721
Ice, manufactured.....	1927	3,150	22,120	32,611	40,816	184,795	143,079	965,406
	1925	3,077	24,915	35,046	44,725	186,969	142,244	923,134
	1914	2,543	28,011	14,841	17,755	60,388	42,631	458,938
TEXTILES AND THEIR PRODUCTS								
Textile-mill products, total. ¹⁰	1927	7,244	1,110,733	1,099,735	2,702,674	4,933,282	2,170,607	3,906,023
	1925	7,470	1,110,209	1,006,262	3,234,035	5,342,617	2,108,583	3,748,885
	1923	7,816	1,104,038	1,122,751	3,213,272	5,527,557	2,314,285	3,556,440
	1921	7,241	993,567	896,373	2,130,803	3,896,449	1,750,646	2,900,446
	1914	5,942	950,880	404,606	1,185,001	1,635,344	750,253	2,522,862
Cotton goods.....	1927	1,347	467,596	380,910	871,592	1,507,401	695,809	2,358,830
	1925	1,366	445,184	353,883	1,077,153	1,714,368	637,215	2,236,303
	1923	1,375	471,503	396,603	1,147,372	1,901,126	753,754	2,163,290
	1921	1,328	412,058	328,227	707,442	1,278,221	570,779	1,819,279
	1914	1,179	379,366	146,130	431,003	676,569	244,906	1,563,823
Cotton small wares ¹¹	1927	220	14,058	15,333	32,222	64,820	32,568	29,205
	1925	280	16,162	15,547	41,816	74,675	32,859	35,700
	1923	228	16,387	15,957	38,015	73,223	34,008	31,926
Lace goods.....	1927	43	6,482	7,855	11,392	27,208	15,906	11,309
	1925	42	7,008	7,620	13,361	30,844	17,482	9,507
	1914	41	7,440	3,468	5,677	13,207	7,530	8,817
Knit goods.....	1927	1,860	190,283	188,103	424,099	816,020	392,821	177,213
	1925	1,987	186,068	168,683	453,926	809,960	350,624	176,639
	1923	2,323	194,244	168,272	484,020	848,177	304,157	183,675
	1921	2,078	161,880	132,160	360,458	634,074	273,616	122,919
	1914	1,622	150,520	59,758	146,687	258,913	112,226	122,919
Silk manufactures.....	1927	1,648	127,643	140,064	445,391	750,124	304,733	221,249
	1925	1,659	132,509	142,734	484,123	808,079	324,857	212,609
	1923	1,598	125,234	126,849	479,038	761,322	282,284	206,020
	1921	1,565	121,378	113,396	337,559	583,419	245,860	184,609
	1914	902	108,170	47,109	144,442	254,011	109,569	111,417
Woolen goods.....	1927	471	61,790	72,156	172,700	301,369	128,609	191,703
	1925	503	67,056	82,436	219,618	361,524	141,906	198,080
	1923	513	72,408	87,314	201,548	364,288	162,740	189,657
	1921	493	56,434	62,893	120,276	239,945	110,669	122,919
	1914	501	49,165	24,204	68,696	108,816	40,120	138,052
Worsted goods.....	1927	288	92,571	101,060	329,408	516,070	187,262	364,422
	1925	329	98,168	108,835	400,784	596,266	195,483	377,215
	1923	338	122,144	135,071	421,184	698,271	277,087	357,808
	1921	321	105,930	112,001	279,770	524,630	244,869	244,869
	1914	298	109,527	51,749	182,361	275,068	92,568	242,621
Felt goods, wool or hair.....	1927	50	5,452	6,653	23,280	41,895	18,606	23,479
	1925	50	5,146	6,404	26,354	43,776	17,421	23,478
	1914	53	4,035	2,059	8,308	18,693	5,385	14,010
Hats, wool-felt.....	1927	17	2,185	2,284	4,785	9,382	4,597	2,422
	1925	22	1,854	1,980	5,123	8,949	3,826	2,550
	1914	30	1,249	600	978	1,945	967	3,091
Hats, fur-felt.....	1927	146	15,927	22,887	51,105	99,300	48,195	20,526
	1925	146	15,156	20,466	40,124	80,066	39,942	17,943
	1914	224	21,318	12,071	16,947	37,850	20,403	20,774
Carpets and rugs, wool, other than rag.....	1927	65	32,829	42,041	85,602	160,888	81,287	65,828
	1925	69	33,886	43,388	104,196	187,779	83,583	63,008
	1914	97	31,809	14,716	42,280	69,128	26,848	42,794

For footnotes see p. 813.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
TEXTILES, ETC.—Con.								
Wool shoddy.....	1927	55	1,079	1,916	7,981	12,597	4,616	15,353
	1925	68	2,218	2,600	14,912	21,022	6,109	15,435
	1914	64	2,145	1,056	5,300	7,707	2,407	12,244
Wool pulling.....	1927	18	524	769	12,460	14,640	2,174	2,403
	1925	23	573	841	13,637	15,209	1,572	2,706
	1914	34	708	452	6,632	8,273	1,641	2,248
Wool scouring.....	1927	25	1,386	1,982	3,010	6,662	3,652	7,935
	1925	25	1,112	1,601	2,527	5,331	3,304	7,823
	1914	24	1,069	617	3,176	4,565	1,389	7,579
Cordage and twine.....	1927	116	15,084	13,674	59,105	89,172	33,097	74,924
	1925	118	15,400	14,019	60,848	100,448	33,600	77,563
	1914	105	15,769	6,996	43,605	59,762	16,157	55,272
Jute goods.....	1927	23	5,358	4,987	11,802	23,186	11,384	30,210
	1925	23	6,312	5,040	14,567	27,517	12,951	28,753
	1914	34	7,987	3,000	12,680	16,514	3,934	28,533
Flax and hemp, dressed	1927	7	02	51	116	283	167	654
	1925	9	32	89	244	459	215	1,457
	1914	16	116	45	185	283	98	832
Linen goods.....	1927	18	2,530	2,545	5,409	10,377	4,968	11,473
	1925	18	2,607	2,462	6,894	11,157	4,702	12,119
	1914	21	3,567	1,386	4,289	6,960	2,671	9,932
Mats and matting, grass and coir.	1927	7	422	398	669	1,537	893	1,425
	1925	10	902	767	1,526	3,492	1,965	2,147
	1914	12	869	455	1,170	2,286	1,066	1,643
Haircloth.....	1927	16	385	480	2,689	3,616	927	1,312
	1925	15	355	387	1,897	2,746	840	1,058
	1914	19	505	290	1,054	2,396	742	1,589
Dyeing and finishing textiles.	1927	743	73,851	91,697	210,681	406,047	195,366	287,212
	1925	697	70,740	83,983	220,678	408,515	187,837	252,701
	1923	713	63,414	72,525	199,156	366,623	167,467	204,128
	1921	599	51,510	58,139	141,199	276,751	135,552	-----
	1914	507	48,407	24,872	56,705	106,292	52,587	129,327
	1913	507	48,407	24,872	56,705	106,292	52,587	129,327
Cloth, sponging and refinishing.	1927	52	736	1,502	161	3,458	3,297	933
	1925	61	931	1,880	203	3,889	3,685	975
	1914	51	901	658	133	1,531	1,398	677
Wearing apparel made from purchased fabrics, total.	1927	16,250	511,161	500,141	1,805,240	3,456,304	1,651,063	130,587
	1925	14,883	466,846	534,823	1,741,618	3,243,849	1,502,231	110,744
	1923	16,964	499,413	568,139	1,852,229	3,443,940	1,591,711	132,317
	1921	16,784	473,574	534,312	1,424,284	2,710,657	1,280,373	-----
	1914	14,963	510,598	250,114	673,013	1,297,273	624,200	117,911
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified. ¹¹	1927	3,562	146,099	184,613	447,245	932,182	484,937	34,351
	1925	3,491	141,511	170,045	471,601	946,274	474,773	33,207
	1923	4,067	104,820	235,437	584,904	1,178,715	593,911	52,642
	1921	4,539	165,208	201,882	447,545	934,776	487,231	-----
	1914	4,830	173,747	86,828	230,082	458,211	228,179	35,252
Clothing, work (except shirts), men's. ¹²	1927	556	40,612	29,946	85,184	147,289	62,155	11,218
	1925	509	32,821	24,803	85,969	140,964	54,994	11,542
Clothing, men's, buttonholes.	1927	40	412	429	98	918	820	132
	1925	30	327	347	71	658	587	87
	1914	139	672	326	90	638	548	203
Shirts.....	1927	907	57,216	42,998	129,744	241,650	111,903	14,916
	1925	840	49,864	35,674	129,754	225,963	96,209	13,884
	1923	984	51,672	37,943	139,354	241,331	101,977	14,050
	1921	860	45,427	33,182	123,259	203,944	80,685	-----
	1914	792	51,972	19,170	50,665	95,815	45,150	17,117
Furnishing goods, men's, not elsewhere classified. ¹³	1927	584	25,188	22,070	82,839	145,474	62,635	7,190
	1925	419	21,094	17,438	69,861	120,868	51,006	4,977
	1914	551	22,459	8,416	31,593	52,453	20,860	5,840

For footnotes see p. 813.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
TEXTILES, ETC.—Con.								
Collars, men's.....	1927	24	3,270	2,067	5,867	13,264	7,898	3,131
	1925	28	7,187	5,503	11,792	27,688	15,795	4,497
	1914	35	10,100	4,494	0,566	18,631	11,995	3,550
Gloves and mittens, cloth or chiefly cloth, made from purchased fabrics. ¹³	1927	131	10,200	6,670	17,892	30,202	12,810	4,112
	1925	139	9,061	5,709	17,977	29,532	11,554	4,102
	1923	129	8,864	5,296	18,292	28,120	9,834	3,143
Suspenders, garters and elastic woven goods, made from purchased webbing. ¹¹	1927	91	4,061	3,520	16,260	20,985	10,726	983
	1925	93	3,835	3,072	16,500	27,504	11,004	876
	1923	100	3,458	2,892	13,934	24,297	10,363	809
Hats and caps, except felt and straw.	1927	568	6,300	9,126	20,792	41,214	20,512	1,999
	1925	579	6,552	9,243	22,099	48,823	21,124	1,876
	1914	580	7,322	4,508	0,268	18,593	9,325	1,313
Clothing, women's, ex- clusive of corsets and allied garments made in knitting mills.	1927	7,588	154,459	211,850	800,520	1,494,401	684,881	30,287
	1925	6,127	126,436	175,045	724,299	1,268,705	569,406	24,316
	1923	7,040	133,195	176,446	809,591	1,406,984	597,123	27,704
	1921	7,061	144,805	185,082	897,810	1,022,743	454,938	
	1914	5,594	198,907	92,574	252,345	473,888	221,543	27,874
Corsets and allied gar- ments.	1927	222	18,778	12,402	35,394	77,218	41,824	78,10
	1925	185	14,525	12,394	37,898	77,115	39,307	8,304
	1914	167	20,496	7,977	19,587	40,551	20,064	6,982
Handkerchiefs ¹⁴	1927	115	6,659	5,204	18,205	31,588	13,383	2,665
Millinery ¹⁵	1927	1,148	33,311	46,788	103,490	209,495	106,005	7,920
Trimmings (not made in textile mills) and lace-trimmed articles, not elsewhere classi- fied. ¹⁴	1927	773	9,495	11,989	33,350	64,423	31,073	3,864
Other articles made from pur- chased fabrics, total. ¹	1927	3,340	63,532	70,082	354,892	569,888	269,086	136,823
	1925	2,067	51,228	53,720	374,202	539,089	165,417	117,838
	1923	2,043	51,242	52,908	328,941	490,785	161,844	94,644
	1921	1,930	42,607	41,667	240,003	349,360	109,357	
	1914	2,455	44,437	21,063	155,633	212,195	56,562	76,305
Awnings, tents, sails, and canvas covers.	1927	963	6,543	8,220	24,410	47,929	23,520	4,850
	1925	905	6,249	7,501	27,453	48,569	21,116	4,564
	1914	888	5,073	2,954	10,155	18,138	7,983	2,602
Bags, other than paper, not made in textile mills.	1927	181	11,164	9,548	136,748	162,950	20,201	15,754
	1925	162	11,404	9,332	150,102	175,082	24,080	15,295
	1914	138	9,358	3,789	67,022	79,040	12,027	10,381
Belting, other than leather and rubber, made from purchased fabrics. ¹¹	1927	11	343	411	1,490	3,212	1,722	1,457
	1925	11	254	204	1,596	3,112	1,516	814
	1923	13	335	361	1,674	3,312	1,638	930
Embroideries ¹⁶	1927	1,069	8,904	10,962	7,960	32,419	24,459	2,930
Horse blankets, fly nets, and related products.	1927	16	660	574	1,878	3,879	1,501	1,421
	1925	20	694	564	2,535	3,897	1,362	1,773
	1914	37	1,669	608	3,559	5,150	1,581	1,903
Flags and banners.....	1927	46	1,046	898	2,282	4,539	2,254	700
	1925	49	1,031	890	2,332	4,538	2,256	620
	1914	87	1,495	690	1,750	3,601	1,851	637
Regalia, badges, and emblems.	1927	76	1,675	1,760	3,019	7,091	4,072	1,015
	1925	85	1,992	2,033	3,962	9,623	5,661	1,068
	1914	138	2,010	980	2,205	5,025	2,820	655
Hat and cap materials, men's.	1927	96	2,762	2,659	15,672	23,339	7,668	5,158
	1925	89	2,127	2,413	15,218	22,049	6,831	5,141
	1914	98	1,775	804	5,052	9,929	1,877	2,946
Nets and seines.....	1927	21	869	776	3,348	5,401	2,053	1,162
	1925	21	885	763	3,479	5,157	1,678	1,100
	1914	15	1,053	379	2,267	3,088	831	1,384

For footnotes see p. 818.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
TEXTILES, ETC.—Con.								
House-furnishing goods, not elsewhere classi- fied.	1927	548	11,691	10,047	52,705	87,677	34,972	12,997
	1925	433	9,307	9,143	51,079	78,055	27,576	10,702
	1914	370	8,035	3,306	17,391	26,453	9,002	11,276
Carpets and rugs, rag- ed.	1927	110	1,633	1,678	1,636	5,890	4,254	2,005
	1925	139	1,901	1,876	1,942	5,710	3,707	2,349
	1914	463	2,180	995	722	2,786	2,064	2,656
Linoleum ¹⁶	1927	7	5,364	8,177	24,216	47,442	23,227	41,432
	1925	6	4,872	6,303	10,067	44,909	25,033	31,840
	1914	18	4,428	2,604	11,252	17,002	6,350	18,782
Oilcloth	1927	8	1,072	1,746	11,819	17,642	5,824	3,565
	1925	9	1,100	1,675	13,549	17,843	4,204	3,484
	1914	13	1,228	609	6,524	7,996	1,472	3,490
Artificial leather	1927	19	2,730	4,007	21,828	34,228	12,400	14,467
	1925	18	2,059	3,801	31,238	40,932	9,693	10,593
	1914	10	705	485	4,108	6,097	1,989	1,674
Asphalted-felt-base floor coverings. ¹⁶	1927	12	2,442	3,695	16,186	34,101	17,914	8,904
	1925	11	2,464	3,338	14,930	32,532	17,602	9,575
	1923	9	1,682	2,204	9,140	25,280	16,140	2,700
Upholstering materials, not elsewhere classi- fied.	1927	39	1,080	1,102	6,566	9,673	3,117	4,482
	1925	34	1,109	1,174	5,123	7,998	2,875	3,380
	1914	70	2,454	1,101	5,285	7,879	2,594	0,198
Waste ¹⁷	1927	118	3,404	2,853	23,049	33,377	10,328	14,529
	1925	105	3,033	2,570	20,766	38,943	9,177	13,664
	1914	79	3,082	1,230	15,473	17,959	2,486	8,506
LUMBER AND ALLIED PRODUCTS								
Basic industries, total.	1927	8,723	453,131	431,496	508,680	1,259,370	750,690	1,795,875
	1925	10,286	497,803	473,085	603,935	1,408,427	874,492	2,064,631
	1923	10,671	531,545	492,617	584,802	1,584,961	960,188	1,944,962
	1921	10,233	392,756	323,077	366,881	930,015	548,134	1,032,961
	1914	28,722	515,780	240,118	288,800	738,816	440,926	2,203,552
Excolstor	1927	64	1,272	1,181	2,547	4,821	2,274	10,980
	1925	72	1,300	1,180	2,573	4,801	2,328	11,993
	1914	99	1,177	558	1,408	2,516	1,113	10,715
Lumber and timber products, not else- where classified.	1927	7,510	413,946	413,362	493,950	1,214,646	720,087	1,781,734
	1925	9,207	467,060	456,716	670,475	1,421,162	841,087	2,049,500
	1923	9,393	406,032	475,002	673,004	1,494,402	921,398	1,932,091
	1921	9,092	304,247	313,487	377,027	902,501	524,574	1,032,961
Turpentine and rosin	1927	1,149	37,013	16,053	12,173	39,903	27,730	3,211
	1925	1,007	29,413	15,190	11,887	42,304	30,477	3,138
	1914	1,394	34,817	8,583	5,536	29,990	15,454	2,478
Wood reworking industries, total.	1927	5,389	113,824	145,542	351,547	659,934	302,398	706,207
	1925	5,527	127,510	164,492	431,367	778,051	346,654	659,563
	1923	4,963	120,239	161,573	430,901	763,617	331,026	553,302
	1921	5,118	91,924	110,717	298,050	518,386	220,336	460,155
	1914	6,955	113,117	71,000	108,996	340,470	141,479	460,155
Lumber: Planing-mill products, not made in planing mills con- nected with saw- mills.	1927	4,561	96,589	126,140	321,443	581,634	280,190	630,674
	1925	4,701	111,320	140,592	403,227	710,861	307,635	597,108
	1923	4,215	108,008	138,320	401,174	692,784	291,610	468,424
	1921	4,366	78,039	95,054	272,082	462,949	190,567	460,155
Window and door screeds and weather strips.	1927	214	3,661	4,806	9,304	22,042	13,399	11,520
	1925	183	3,803	4,687	9,545	22,398	12,853	10,674
	1914	220	3,194	1,894	4,261	9,187	4,906	8,128
Wood, turned, and carved, n. e. c.	1927	555	11,856	12,098	18,294	42,128	23,834	56,358
	1925	521	10,352	10,190	15,576	35,491	19,915	44,004
	1914	828	11,616	5,045	9,160	19,947	9,881	42,541
Lasts and related pro- ducts.	1927	59	1,718	2,504	2,505	7,529	5,024	7,655
	1925	62	2,035	3,012	3,049	9,301	6,252	7,512
	1914	66	2,094	1,511	1,843	4,589	3,240	5,227

For footnotes see p. 813.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
				In thousands of dollars				
LUMBER, ETC.—Con.								
Wooden container industries, total.	1927	1,648	56,124	52,721	134,471	235,578	101,107	192,489
	1925	1,762	57,961	55,671	142,775	249,612	106,837	192,281
	1923	1,872	62,121	58,271	154,804	265,501	110,696	200,457
	1921	1,872	51,923	45,796	125,865	204,779	78,914	
	1914	3,000	66,035	31,588	93,052	151,500	58,447	174,998
Boxes, wooden, except cigar boxes.	1927	748	30,797	29,250	75,797	133,993	63,195	135,637
	1925	824	34,834	33,765	86,391	152,205	68,903	143,519
	1914	1,174	38,548	18,208	52,840	86,597	33,727	124,249
Boxes, cigar, wooden.	1927	136	4,577	3,025	5,621	12,009	7,288	5,478
	1925	155	4,836	3,067	5,450	12,925	7,474	5,210
	1914	238	5,835	2,299	4,269	8,337	4,008	5,251
Cooperage.	1927	528	11,455	12,037	43,321	66,947	23,126	33,553
	1925	553	11,433	12,908	44,176	67,735	23,559	30,778
	1914	1,259	17,128	9,161	32,944	50,017	17,073	38,157
Baskets and rattan and willow ware, not including furniture.	1927	236	9,295	6,608	9,231	21,729	12,498	17,821
	1925	230	6,808	5,033	6,758	16,658	9,900	12,794
	1914	419	4,574	1,923	2,999	6,573	3,570	7,291
Furniture and related industries, total.	1927	3,587	201,497	256,169	423,935	964,470	540,535	477,958
	1925	3,601	195,643	244,884	418,235	951,170	532,935	434,238
	1923	3,434	182,014	222,461	372,545	851,801	479,256	369,484
	1921	3,449	134,037	157,245	279,041	605,239	327,198	
	1914	3,964	142,280	80,809	138,366	302,571	164,174	268,364
Furniture, including store and office fixtures. ¹³	1927	3,222	186,302	236,100	359,300	879,706	490,317	445,179
	1925	3,230	181,016	226,298	384,875	868,720	483,846	402,710
	1923	3,047	168,157	204,566	342,443	776,847	434,404	344,054
	1921	3,038	124,362	144,143	258,708	550,413	296,707	
	1914	3,338	130,423	73,402	124,066	271,010	147,514	239,952
Refrigerators and refrigerator cabinets, excl. mechanical refrigerator equipment.	1927	165	9,551	12,617	25,095	58,163	33,098	24,217
	1925	167	9,390	12,689	24,744	57,066	32,922	23,216
	1914	134	5,617	8,572	7,343	15,052	7,709	11,151
Billiard and pool tables, bowling alleys, and accessories.	1927	34	1,194	1,550	2,394	7,112	4,718	2,335
	1925	33	1,037	1,354	1,781	5,614	3,834	2,120
	1914	54	1,453	1,985	2,488	4,894	2,406	3,197
Mirror and picture frames.	1927	166	4,460	5,893	7,056	19,489	12,432	6,228
	1925	162	4,230	5,646	6,835	19,170	12,335	6,102
	1914	438	4,787	2,850	4,463	11,014	6,540	4,054
Other allied products, total.	1927	816	38,091	43,860	215,307	344,075	128,768	149,226
	1925	750	35,432	40,347	139,009	241,860	102,857	121,807
	1923	738	35,897	37,873	123,252	219,076	95,824	127,535
	1921	726	31,820	32,727	107,790	197,437	89,647	
	1914	735	28,032	14,382	46,601	83,091	36,491	73,407
Caskets, coffins, burial cases, and morticians' goods.	1927	340	11,065	14,421	33,327	74,891	41,593	31,105
	1925	326	11,479	14,057	32,771	70,413	37,641	29,164
	1914	287	9,468	5,382	13,257	26,325	18,068	18,909
Rules, wood, metal, and other. ¹⁴	1923	11	219	218	239	759	520	704
	1914	10	408	224	187	634	447	441
Cork products.	1927	27	3,185	3,600	9,395	17,369	7,974	11,633
	1925	33	3,297	3,638	7,269	16,020	8,752	11,034
	1914	52	3,464	1,582	4,751	7,875	3,124	5,786
Matches.	1927	19	3,905	4,131	11,884	24,066	13,022	17,607
	1925	25	4,627	4,707	12,913	23,741	10,828	16,314
	1914	20	3,800	1,758	5,202	12,556	7,354	7,457
Pulp goods.	1927	44	2,996	37,83	11,375	23,950	12,575	17,158
	1925	35	3,017	3,767	10,286	20,270	9,984	11,338
	1914	24	1,654	884	2,191	4,483	2,292	8,820
Wood preserving.	1927	193	12,259	13,726	141,555	184,558	43,003	50,606
	1925	131	8,416	9,606	66,799	91,184	24,475	33,621
	1914	68	2,330	1,785	16,060	21,055	4,995	11,551
Wooden goods, not elsewhere classified.	1927	193	4,081	4,240	7,770	18,402	10,632	21,206
	1925	200	4,596	4,672	9,060	20,238	11,177	20,067
	1914	274	6,418	2,767	4,952	10,162	5,210	44,383

For footnotes see p. 813.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
PAPER AND PAPER PRODUCTS								
Paper and wood pulp.	1927	929	123,300	162,002	724,111	1,138,090	413,979	2,042,806
	1925	763	123,842	100,146	605,860	971,882	366,022	2,427,010
	1923	746	120,077	151,477	573,727	907,347	333,620	2,178,623
	1921	738	105,294	127,029	445,092	667,436	221,444	2,214,006
	1914	718	88,457	53,246	213,181	332,147	118,966	1,611,954
Paper ²⁰	1927	710	98,566	130,475	572,786	919,891	347,106	2,242,806
Wood pulp ²⁰	1927	210	24,704	31,527	151,325	218,198	66,873	(2)
Manufactures of paper, total ¹								
	1927	2,000	102,146	111,569	900,821	681,090	300,869	171,989
	1925	1,980	98,903	104,546	315,708	588,597	272,799	148,610
	1923	1,968	96,278	99,765	306,210	558,882	252,672	135,910
	1921	1,880	80,278	76,618	224,410	414,895	190,480	190,480
	1914	1,750	70,368	86,176	102,278	190,569	88,291	85,670
Bags, paper, exclusive of those made in paper mills.	1927	88	0,403	0,394	40,738	67,400	16,755	9,336
	1925	66	5,585	5,524	29,957	45,978	10,021	6,414
	1914	59	3,505	1,059	12,201	17,603	5,402	3,677
Boxes, paper and other, not elsewhere classified.	1927	1,219	50,398	57,701	198,464	306,565	138,091	81,300
	1925	1,229	57,148	57,172	151,712	281,944	130,232	76,185
	1923	1,216	50,855	53,966	144,080	264,209	120,129	61,687
	1921	1,191	46,242	40,477	83,268	174,248	85,989	85,989
	1914	1,043	45,811	18,705	36,268	74,711	38,443	37,340
Labels and tags	1927	121	0,141	8,000	16,259	94,398	18,138	6,809
	1925	113	5,356	6,730	13,006	28,045	14,950	4,898
	1914	108	2,600	1,459	2,908	6,584	3,676	2,155
Paper patterns	1927	17	1,069	1,413	2,569	13,782	11,213	1,101
	1925	16	1,243	1,595	2,001	13,605	11,064	813
	1914	25	1,073	877	626	3,026	2,400	356
Card cutting and designing.	1927	60	2,024	2,707	7,544	16,871	9,327	3,915
	1925	49	1,080	1,084	2,436	6,201	3,765	1,855
	1914	58	517	265	421	1,055	634	441
Cardboard, not made in paper mills.	1927	9	658	849	2,868	5,581	2,713	1,779
	1925	13	978	1,188	3,475	7,288	3,813	1,795
	1914	18	1,150	580	2,902	4,350	1,388	2,085
Envelopes	1927	153	0,745	10,754	28,973	56,006	27,033	11,991
	1925	135	9,052	9,987	27,423	51,189	23,766	10,288
	1914	90	0,070	3,378	10,235	18,481	8,246	5,196
Wall paper	1927	53	4,811	5,981	14,012	30,059	15,447	13,343
	1925	49	5,069	5,863	14,999	30,069	15,070	11,628
	1914	48	4,738	2,703	8,536	15,887	7,351	6,930
Paper goods, not elsewhere classified.	1927	340	14,837	17,765	78,797	140,048	62,151	42,955
	1925	310	18,386	16,403	70,700	124,217	53,517	35,324
	1914	310	13,495	6,850	28,120	48,871	20,751	20,800
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES								
Printing and publishing.	1927	22,541	261,671	473,221	661,959	2,507,426	1,845,467	481,194
	1925	21,056	251,272	438,833	610,059	2,260,638	1,650,580	408,808
	1923	20,452	240,455	399,388	585,936	2,021,356	1,435,420	357,048
	1921	20,318	229,489	355,071	589,279	1,827,809	1,238,530	303,103
	1914	81,612	228,369	107,648	226,582	810,508	583,926	295,667
Printing and publishing, book and job.	1927	11,449	141,278	240,393	280,487	906,469	655,982	193,617
	1925	10,322	133,310	219,830	228,690	806,887	573,197	160,283
	1923	10,075	129,800	201,217	220,203	738,227	518,024	152,363
	1921	9,758	121,055	181,066	216,139	690,075	473,938	128,213
	1914	12,115	113,121	78,414	96,453	307,331	210,878	113,210
Printing and publishing, music.	1927	119	994	1,678	1,658	15,882	14,223	1,343
	1925	109	955	1,462	1,828	15,090	13,261	1,363
	1914	180	873	573	1,047	7,271	6,224	6,224
Printing and publishing, newspapers and periodicals.	1927	10,973	119,399	231,151	409,814	1,585,076	1,175,262	286,234
	1925	10,625	117,001	217,541	379,541	1,447,661	1,068,120	237,662
	1923	10,267	115,646	196,804	363,480	1,268,561	905,022	203,454
	1921	10,453	107,534	174,359	371,124	1,123,710	752,585	188,213
	1914	10,317	114,375	88,561	120,082	495,906	366,824	181,763

For footnotes see pp. 813 and 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Con.								
Other industries related to printing and publishing, total. ¹	1927	2,875	65,863	111,544	90,509	338,052	248,143	87,233
	1925	2,754	62,749	101,991	82,517	313,597	231,050	76,996
	1914	3,120	56,812	39,596	39,227	123,591	84,365	45,882
Bookbinding and blank-book making.	1927	1,063	21,909	28,281	25,875	87,327	61,452	19,038
	1925	970	20,836	20,006	24,127	81,600	57,473	16,147
	1914	1,124	21,693	11,575	13,334	88,104	24,770	10,842
Engravers' materials...	1927	17	178	294	1,280	2,169	879	864
	1925	16	177	276	1,202	2,014	812	921
	1914	13	108	73	551	708	217	491
Engraving, steel and copperplate, and plate printing.	1927	393	8,549	11,886	10,286	39,071	28,885	6,804
	1925	368	7,259	10,169	7,628	32,106	24,478	5,784
	1914	399	6,859	4,527	3,915	13,786	9,871	5,670
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1927	173	1,805	2,612	2,078	7,981	5,853	2,028
	1925	188	1,827	2,691	2,177	8,623	6,446	1,753
	1914	486	1,536	1,076	596	3,134	2,538	1,035
Engraving, wood.....	1927	23	132	291	76	641	565	45
	1925	22	117	234	46	525	479	32
	1914	72	302	310	96	710	623	68
Photo-engraving, not done in printing establishments.	1927	611	11,038	28,381	10,790	69,207	58,417	9,366
	1925	577	9,868	24,321	8,393	58,040	50,248	6,735
	1914	376	6,211	6,167	2,798	15,359	12,561	3,724
Lithographing.....	1927	309	16,348	27,406	32,704	97,050	64,346	28,541
	1925	331	16,957	27,107	32,171	98,721	66,550	28,623
	1914	336	15,171	11,861	14,017	30,136	25,119	15,024
Stereotyping and electrotyping, not done in printing establishments.	1927	197	4,502	10,273	4,877	25,549	20,872	16,888
	1925	193	4,283	9,207	4,280	22,361	18,081	13,774
	1914	189	3,457	3,001	2,255	8,154	5,899	6,743
Printing materials, not including type or printing ink.	1927	70	882	1,402	2,034	7,022	4,088	2,339
	1925	71	888	1,379	1,787	6,526	4,739	1,981
	1914	94	423	840	763	2,111	1,348	638
Type founding.....	1927	19	525	658	749	2,684	1,935	1,230
	1925	18	537	603	705	2,451	1,745	1,236
	1914	31	1,054	666	901	2,320	1,419	1,647
CHEMICALS AND ALLIED PRODUCTS								
Total, exclusive of alcohol and liquor industries.	1927	7,545	252,674	310,825	1,788,883	3,320,884	1,588,001	1,843,230
	1925	7,277	243,769	295,245	1,797,059	3,163,328	1,366,269	1,740,581
	1923	7,181	245,553	287,665	1,689,475	2,907,315	1,217,840	1,646,186
	1921	7,293	198,460	222,823	1,334,252	2,201,284	887,032	-----
	1914	9,536	188,232	108,270	883,682	1,304,004	470,322	995,599
Chemicals and allied products other than animal, vegetable, and compounded oils, total.	1927	6,805	229,242	294,889	1,415,504	2,887,035	1,452,181	1,531,273
	1925	6,562	223,719	276,400	1,381,746	2,664,614	1,282,868	1,468,421
	1923	6,476	227,313	272,273	1,323,542	2,485,194	1,161,652	1,391,965
	1921	6,493	177,945	205,248	1,027,798	1,849,876	822,078	-----
	1914	10,345	233,293	153,589	765,376	1,672,186	906,811	1,184,218
Ammunition and related products.	1927	20	7,602	3,266	20,945	45,602	24,657	17,175
	1925	27	7,777	7,987	22,520	41,707	18,887	23,316
	1914	32	11,493	6,751	16,277	30,840	14,563	11,364
Explosives.....	1927	100	5,893	3,131	36,894	72,400	35,596	38,239
	1925	108	5,697	7,731	37,877	69,669	31,791	37,808
	1914	111	6,306	4,488	26,627	41,433	15,806	45,778

For footnotes see p. 813.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
CHEMICALS, ETC.—								
Continued								
Fireworks.....	1927	30	1,504	1,395	2,024	5,885	3,261	1,800
	1925	41	1,446	1,420	2,399	6,031	3,032	1,148
	1914	41	1,324	616	1,206	2,296	1,090	707
Baking powders, yeast, and other leavening compounds.	1927	47	3,032	4,794	24,019	35,151	60,531	42,816
	1925	40	2,931	4,063	23,370	74,593	51,217	35,633
	1914	124	2,270	1,241	10,895	22,339	11,444	7,862
Blacking, stains, and dressings.	1927	176	1,716	2,181	9,186	22,548	13,363	4,005
	1925	171	1,809	2,164	9,734	25,055	15,322	2,659
	1914	197	1,790	877	5,129	9,882	4,753	2,442
Bluing.....	1927	20	155	151	594	1,674	1,080	368
	1925	23	178	185	1,017	2,167	1,150	366
	1914	66	254	105	489	1,134	695	216
Bone black, carbon black, and lamp- black.	1927	67	1,553	2,047	6,871	14,262	7,691	8,065
	1925	66	1,505	1,722	5,055	14,505	8,910	7,289
	1914	27	339	231	686	1,464	778	1,786
Candles.....	1927	17	709	761	2,959	6,531	3,392	906
	1925	20	628	673	2,786	5,114	2,328	922
	1914	15	387	183	1,119	1,731	612	359
Chemicals, not else- where classified. ¹¹	1927	457	50,510	75,261	284,795	548,536	293,741	552,410
	1925	715	55,694	80,435	271,040	547,093	275,357	524,677
	1923	736	74,897	99,845	316,991	630,870	313,969	572,392
	1921	692	46,306	58,024	100,502	390,768	200,266	
	1914	395	32,311	22,066	80,451	158,054	68,603	267,907
Cleaning and polishing preparations.	1927	341	2,403	2,988	15,220	41,234	26,015	8,485
	1925	290	2,161	2,660	12,767	34,020	21,313	6,270
	1914	398	1,239	619	3,895	9,152	5,257	2,543
Drug grinding.....	1927	25	659	820	5,684	9,205	3,522	4,662
	1925	22	622	710	4,921	8,446	3,525	4,389
	1914	29	1,059	593	5,215	8,080	2,865	4,972
Druggists' preparations.	1927	373	10,138	11,942	40,499	110,399	69,810	15,919
	1925	370	9,685	11,078	36,064	95,420	59,556	12,553
	1914	416	9,277	4,755	22,933	48,010	25,075	8,368
Patent and proprietary medicines and com- pounds.	1927	1,282	15,071	16,067	84,641	278,243	103,602	34,082
	1925	1,270	14,802	15,592	84,790	247,564	102,774	33,840
	1923	1,363	17,353	16,915	83,802	237,494	148,692	29,998
	1921	1,430	13,800	13,864	69,571	175,895	100,327	
	1914	2,903	13,323	6,675	35,490	102,463	60,523	18,326
Perfumery, cosmetics, and toilet prepara- tions.	1927	705	10,463	10,965	52,765	161,246	108,480	10,431
	1925	594	8,714	8,537	40,933	120,510	82,578	7,381
	1914	496	2,897	1,280	7,465	16,899	9,434	1,815
Tanning materials, natural dyestuffs, mordants and assist- ants, and sizes.	1927	122	2,414	2,971	23,074	35,677	12,003	29,172
	1925	125	2,465	2,987	22,763	34,784	12,021	32,634
	1914	112	2,839	1,613	13,283	20,620	7,382	23,288
Fertilizers.....	1927	621	18,612	17,650	138,143	190,385	52,242	156,274
	1925	587	19,644	17,743	137,808	205,773	98,965	152,193
	1923	573	18,672	16,365	127,980	183,089	55,109	181,774
	1921	588	16,898	16,026	144,078	180,375	35,397	
	1914	784	22,315	10,532	107,955	153,196	45,241	113,926
Compressed and lique- fied gases. ¹¹	1927	313	3,212	4,948	11,740	50,547	38,799	70,489
Glue and gelatin.....	1927	61	3,226	4,524	10,223	31,196	11,973	24,763
	1925	55	3,325	3,976	15,338	25,784	10,426	22,807
	1914	57	3,129	1,854	9,368	13,733	4,595	13,299
Mucilage, paste, and other adhesives, not elsewhere classified. ¹¹	1927	80	502	679	4,270	7,045	3,675	2,219
	1925	84	561	766	5,563	9,863	4,201	2,574
	1914	127	700	399	3,338	5,695	2,367	2,311
Grease and tallow, not including lubricating greases.	1927	247	5,052	7,403	33,272	56,280	18,008	34,069
	1925	263	5,303	7,508	33,713	51,442	17,729	36,840
	1914	369	5,106	3,512	17,061	24,001	7,840	17,935

For footnotes see p. 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
CHEMICALS, ETC.—Continued								
Lubricating greases not made in petroleum refineries.	1927	45	568	700	6,314	11,650	5,842	3,181
	1925	53	907	820	6,796	13,239	6,443	3,807
	1914	77	476	282	2,767	4,919	2,152	2,595
Ink, printing	1927	123	2,288	3,665	16,054	37,784	21,680	18,901
	1925	109	2,150	3,840	16,258	34,753	18,501	17,041
	1914	70	1,391	1,064	6,806	13,890	7,024	7,648
Ink, writing	1927	24	491	570	2,209	5,342	3,133	743
	1925	28	524	566	2,424	6,084	3,600	700
	1914	54	512	268	1,236	2,784	1,548	561
Alcohol, ethyl ³⁶	1927	28	1,180	1,705	19,310	33,971	14,601	7,261
	1925	31	1,395	1,838	38,864	57,706	19,141	10,238
	1914	484	6,295	3,994	40,997	206,770	105,782	51,971
Liquors, malt ³⁷	1927	581	18,551	29,866	55,616	122,050	67,084	—
	1919	729	34,259	45,171	94,792	379,905	235,118	322,130
	1914	1,250	62,070	53,244	129,724	442,149	312,425	405,049
Liquors, vinous	1927	13	150	177	1,206	2,663	1,487	999
	1925	27	265	262	1,766	3,436	1,671	1,499
	1914	318	2,292	1,194	9,489	16,618	7,129	9,339
Paints and varnishes	1927	1,006	28,041	40,185	307,724	519,010	211,285	163,187
	1925	928	25,490	36,420	293,943	470,739	176,793	143,111
	1923	826	22,818	29,871	248,955	404,135	155,180	114,281
	1921	804	18,015	23,293	171,398	274,310	102,012	—
	1914	800	10,083	10,180	88,465	145,624	37,169	67,568
Rayon ³⁸	1927	19	26,341	28,649	25,748	109,888	84,141	122,406
	1925	14	19,128	22,976	18,478	88,061	69,583	66,966
Salt	1927	58	5,961	7,117	14,664	34,329	19,665	55,928
	1925	70	6,308	7,261	13,849	34,253	20,404	54,647
	1914	98	5,089	3,041	6,273	14,079	7,797	29,007
Soap	1927	256	13,432	19,716	172,244	287,060	114,816	62,025
	1925	272	15,406	18,526	184,874	278,273	93,400	56,697
	1923	270	17,002	20,777	173,546	276,403	102,857	74,802
	1921	283	10,558	18,865	150,360	240,195	89,839	—
	1914	371	14,172	8,088	88,867	127,942	39,075	34,105
Sulphuric, nitric, and mixed acids.	1927	35	1,837	3,014	11,882	23,555	11,672	23,875
	1925	36	2,196	3,103	11,066	23,307	12,241	22,120
	1914	32	3,064	2,213	6,734	15,215	8,481	21,002
Wood distillation and charcoal manufacture.	1927	88	4,537	4,739	15,423	27,630	12,298	16,833
	1925	106	4,217	4,305	15,824	25,283	9,459	17,907
	1914	142	3,010	1,646	6,720	10,284	3,555	10,179
Animal, vegetable, and compounded oils, total.	1927	781	24,762	23,818	393,895	465,913	102,018	320,217
	1925	773	22,700	20,940	455,642	559,856	104,214	283,827
	1923	773	19,817	17,890	386,662	460,951	74,290	265,235
	1921	910	22,071	19,621	330,416	384,954	64,538	—
	1914	1,193	25,596	11,113	248,517	297,363	48,846	277,740
Oil, cake, and meal, cottonseed.	1927	547	18,434	14,259	220,038	276,338	56,300	270,500
	1925	535	16,215	11,412	244,315	295,685	51,369	230,005
	1923	511	12,745	7,908	197,515	226,388	28,873	223,742
	1921	610	16,163	12,340	194,864	217,225	22,301	—
	1914	882	21,810	8,490	180,976	212,127	31,151	249,761
Oils, essential	1927	14	169	258	3,427	4,042	1,215	758
	1925	14	178	281	4,363	5,882	1,519	1,064
	1914	105	249	133	1,565	2,314	749	1,969
Oil, cake, and meal, linseed.	1927	33	2,718	4,325	97,750	111,544	13,793	28,273
	1925	33	2,002	4,290	121,702	140,514	18,751	25,869
	1914	25	1,488	1,127	80,555	44,882	5,327	15,511
Oils, not elsewhere classified.	1927	187	3,441	4,977	72,878	103,388	30,710	20,086
	1925	191	3,615	4,063	85,202	117,770	32,574	17,989
	1914	181	2,049	1,363	26,420	38,040	11,020	10,489

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No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
PRODUCTS OF PETROLEUM AND COAL								
Coke, not including gas-house coke.	1927	171	21, 082	34, 168	280, 720	382, 013	96, 284	451, 874
	1925	237	23, 191	36, 702	277, 751	378, 034	100, 883	409, 552
	1923	202	28, 304	48, 108	354, 030	516, 923	102, 892	332, 560
	1921	170	16, 070	23, 833	168, 791	221, 313	52, 522	-----
	1914	231	21, 107	14, 289	60, 138	99, 275	30, 137	117, 127
Fuel, manufactured.....	1927	20	274	446	4, 873	7, 203	2, 380	9, 594
	1925	14	240	369	3, 936	6, 019	2, 094	6, 673
	1914	14	141	112	009	868	264	3, 444
Gas, manufactured, illuminating and heating.	1927	828	48, 497	68, 356	211, 780	516, 705	304, 920	496, 014
	1925	919	40, 998	67, 436	178, 423	455, 460	277, 037	428, 132
	1923	939	42, 282	59, 000	191, 120	450, 097	268, 977	358, 606
	1921	954	34, 950	53, 306	202, 253	411, 193	208, 942	-----
	1914	1, 284	43, 792	20, 802	76, 779	220, 238	143, 460	213, 303
Petroleum refining.....	1927	354	71, 234	113, 717	1, 752, 097	2, 142, 640	389, 051	552, 051
	1925	359	65, 324	104, 045	1, 889, 678	2, 376, 657	486, 979	393, 763
	1923	382	66, 717	103, 834	1, 425, 053	1, 793, 700	368, 647	349, 164
	1921	366	63, 180	102, 294	1, 382, 170	1, 727, 440	345, 270	-----
	1914	176	25, 306	10, 397	325, 265	396, 301	71, 097	128, 190
RUBBER PRODUCTS								
Boots and shoes, rubber.	1927	22	26, 848	32, 079	43, 373	124, 608	81, 235	68, 359
	1925	23	24, 999	28, 053	40, 566	115, 935	75, 368	59, 413
	1914	23	18, 637	6, 686	23, 053	63, 822	29, 866	24, 561
Rubber tires and inner tubes. ¹⁸	1927	109	78, 266	120, 064	499, 221	869, 688	370, 407	461, 724
	1925	120	81, 640	120, 614	559, 940	925, 002	385, 092	393, 763
	1923	160	78, 903	108, 023	366, 165	644, 194	279, 029	370, 551
Rubber goods, other than tires, inner tubes, and boots and shoes. ¹⁹	1927	385	36, 893	45, 031	117, 777	230, 781	118, 005	270, 539
	1925	381	35, 280	42, 613	121, 224	219, 809	98, 645	197, 051
	1923	344	34, 470	39, 790	90, 729	182, 884	91, 855	178, 899
	1921	294	23, 889	25, 131	54, 162	114, 747	60, 555	-----
	1914	310	65, 335	34, 181	130, 078	247, 172	108, 093	174, 681
LEATHER AND ITS FINISHED PRODUCTS								
Leather, tanned, curried, and finished. ²⁰	1927	404	52, 024	67, 887	331, 985	494, 266	162, 271	220, 530
	1925	331	52, 203	65, 834	299, 958	452, 186	155, 233	215, 078
	1923	597	59, 703	73, 784	321, 750	485, 898	167, 148	230, 187
	1921	608	48, 065	67, 741	277, 725	385, 365	105, 640	-----
	1914	741	65, 036	31, 015	284, 245	397, 202	82, 967	171, 734
Finished products of leather, total. ²¹	1927	3, 771	293, 097	296, 500	759, 956	1, 375, 049	618, 393	199, 061
	1925	3, 712	261, 702	289, 512	715, 927	1, 311, 523	595, 598	197, 495
	1923	4, 272	235, 747	315, 712	775, 065	1, 404, 735	629, 670	190, 277
	1921	4, 205	231, 116	256, 671	656, 673	1, 180, 321	504, 148	-----
	1914	6, 017	261, 124	137, 443	403, 890	737, 393	208, 503	136, 460
Belting, leather.....	1927	173	2, 104	2, 925	16, 185	27, 266	11, 080	7, 188
	1925	168	2, 644	3, 505	18, 868	31, 811	12, 043	6, 839
	1914	161	2, 051	2, 070	15, 480	23, 036	7, 556	7, 385
Boots and shoes, other than rubber.....	1927	1, 357	203, 110	225, 090	494, 553	944, 714	460, 161	138, 706
	1925	1, 400	206, 092	225, 788	481, 632	925, 383	443, 751	139, 569
	1923	1, 606	225, 216	250, 346	527, 457	1, 000, 078	472, 621	128, 550
	1921	1, 505	183, 502	204, 954	478, 432	867, 476	380, 044	-----
	1914	1, 355	191, 555	105, 695	310, 357	501, 760	191, 403	95, 966
Boot and shoe cut stock, not made in boot and shoe factories. ²²	1927	201	8, 611	9, 354	97, 966	121, 022	23, 056	13, 718
	1925	245	7, 977	8, 906	75, 326	94, 045	18, 721	14, 859
	1914	236	7, 819	4, 052	51, 451	59, 965	8, 514	6, 018

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No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
LEATHER, ETC.—Con.								
Boot and shoe findings, not made in boot and shoe factories.	1927	370	9,060	11,202	31,862	57,433	25,571	18,021
	1925	326	8,005	9,095	29,248	52,094	22,810	15,410
	1914	369	6,714	3,226	20,304	28,303	7,099	5,436
Gloves and mittens, leather. ²²	1927	232	9,106	8,814	19,276	36,002	17,360	2,603
	1925	226	7,115	6,915	17,770	33,293	15,514	3,285
	1914	352	10,068	4,558	12,171	21,614	9,443	3,308
Pocketbooks, purses, and cardcases.	1927	257	8,570	13,170	29,619	57,345	27,726	1,725
	1925	190	6,826	0,022	22,442	43,105	20,003	1,356
	1914	64	1,406	702	1,784	3,851	1,507	242
Saddlery and harness.	1927	264	4,023	4,541	10,526	27,350	10,830	4,006
	1925	258	4,570	6,060	18,776	30,084	11,808	5,021
	1914	2,551	12,969	7,093	33,086	63,550	20,473	10,362
Trunks, suitcases, and bags.	1927	495	10,345	13,085	29,128	59,950	30,830	9,001
	1925	475	10,348	13,226	31,386	61,224	29,842	7,893
	1914	501	9,911	6,540	13,620	26,472	12,846	7,510
Leather goods, not else- where classified.	1927	413	7,188	8,379	21,540	43,292	21,752	3,051
	1925	364	6,685	7,396	20,474	40,512	20,038	3,223
	1914	378	7,071	3,604	10,632	19,334	8,702	3,233
STONE, CLAY, AND GLASS PRODUCTS								
Industries using stone as a ma- terial, total.	1927	5,156	126,560	187,870	303,632	787,843	484,211	1,072,039
	1925	4,852	123,099	178,044	300,793	779,031	478,230	1,395,000
	1923	4,621	118,560	167,466	273,369	697,491	424,002	1,071,210
	1921	4,752	84,565	109,834	212,557	464,013	252,056	---
	1914	9,530	115,642	74,637	119,163	277,562	168,390	808,040
Concrete products.	1927	2,330	17,808	24,898	33,013	93,259	50,346	54,342
	1925	1,666	14,722	20,761	27,792	75,214	47,422	38,391
	1914	3,548	10,255	6,308	8,904	21,034	13,030	20,274
Marble, granite, slate, and other stone prod- ucts.	1927	1,078	40,474	68,491	66,328	201,181	134,863	295,174
	1925	2,356	36,575	59,593	66,978	193,047	120,071	240,397
	1914	4,901	54,891	37,960	37,802	107,055	69,268	200,115
Lime.	1927	260	10,903	12,191	17,260	41,587	24,318	84,195
	1925	283	12,095	14,002	20,049	50,730	30,687	87,871
	1914	627	12,429	6,040	7,538	18,391	10,333	39,079
Cement.	1927	161	36,322	53,111	120,012	298,565	173,553	1,099,390
	1925	145	38,437	63,012	114,169	300,895	180,726	871,050
	1923	133	35,091	49,708	100,707	264,090	163,332	642,840
	1921	125	29,231	34,410	102,390	203,627	101,297	---
	1914	133	27,910	13,192	51,987	101,760	49,769	490,402
Wall plaster, wall board, and floor com- position.	1927	221	10,014	14,412	31,998	88,850	51,858	119,230
	1925	222	10,978	16,078	39,553	90,957	51,404	82,863
	1914	165	5,389	3,453	7,993	10,544	8,551	36,599
Asbestos products, other than steam packing, or pipe and boiler covering. ²³	1927	62	6,337	8,376	21,518	44,156	22,630	29,525
	1925	49	6,139	7,692	19,225	36,274	17,049	22,918
	1923	56	6,078	6,640	20,027	36,820	19,793	26,865
	1921	40	2,026	1,948	6,076	18,930	9,964	---
	1914	32	962	484	1,360	2,814	1,464	2,861
Emery wheels and other abrasive and polishing appliances.	1927	68	3,261	4,008	10,840	24,182	13,842	13,404
	1925	63	3,352	4,770	11,104	25,739	14,620	11,064
	1914	49	2,387	1,491	3,006	7,130	4,124	4,080
Grindstones, pulp stones, and mill- stones. ²⁴	1927	23	408	560	258	1,021	1,863	3,585
	1925	21	454	560	292	1,031	1,339	3,005
	1914	14	686	328	116	684	568	2,100
Hones, whetstones, and similar products.	1927	8	192	182	337	819	481	1,130
	1925	6	156	158	304	787	393	891
	1914	16	170	64	87	290	173	864

For footnotes see p. 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earnors (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
STONE, CLAY, ETC.—Continued								
Sand-lime brick.....	1927	45	790	1,051	1,158	3,616	2,458	
	1925	41	801	1,110	1,258	3,769	2,522	8,598
	1914	45	557	322	360	994	644	6,396
Industries using clay and other earths as ma- terials, total.	1927	2,598	144,850	182,466	150,264	488,559	332,295	707,248
	1925	2,688	150,953	189,012	155,937	502,770	346,833	700,775
	1923	2,734	151,170	185,282	155,034	497,812	342,778	613,802
	1921	2,624	106,627	120,200	108,774	316,056	207,232	
	1914	4,095	134,420	76,153	62,481	191,418	128,937	513,164
Clay products (other than pottery) and nonclay refractories. ³⁴	1927	1,840	100,072	121,067	99,870	319,908	220,038	529,681
	1925	1,039	102,777	127,127	100,018	358,730	238,717	517,204
	1923	1,083	102,723	123,773	108,813	333,416	230,098	480,676
	1921	1,881	68,750	73,720	68,276	194,329	126,053	
	1914	3,239	100,182	64,907	42,723	136,921	98,108	442,480
Pottery, including porcelain ware.	1927	316	36,667	45,160	33,581	110,597	77,017	54,879
	1925	309	36,536	46,769	33,026	111,078	77,152	50,141
	1914	360	26,705	16,666	12,032	36,943	24,911	22,337
China firing and deco- rating, not done in potteries.	1927	31	366	428	682	1,602	1,010	43
	1925	31	333	386	672	1,599	918	38
	1914	51	295	160	330	727	397	22
Crucibles.....	1927	11	268	344	772	1,982		
	1925	11	284	381	755	2,082	1,210	1,688
	1914	10	302	171	1,270	1,836	1,337	1,476
							616	875
Graphite, ground and refined.	1927	13	289	341	1,810	2,923	1,612	3,011
	1925	11	228	278	1,323	2,569	1,241	2,927
	1914	11	250	181	728	1,724	1,001	2,602
Minerals and earths, ground or otherwise treated.	1927	215	8,270	9,833	17,625	41,200	23,635	116,909
	1925	250	8,762	9,882	17,165	42,381	25,210	127,649
	1914	244	4,707	2,435	4,561	10,307	5,740	44,067
Statuary and art goods, factory product.	1927	136	2,028	4,404	2,415	10,187	7,772	1,137
	1925	137	2,033	4,188	2,073	9,330	7,251	1,340
	1914	190	1,988	1,583	842	3,910	3,068	781
Glass and manu- factures of glass, total.	1927	910	74,508	98,928	134,879	336,147	201,208	329,244
	1925	938	78,384	90,366	140,696	368,850	212,154	281,476
	1923	992	81,956	100,819	145,070	367,848	222,778	250,982
	1921	971	61,798	77,031	100,028	252,420	145,494	
	1914	1,105	85,753	55,294	59,173	149,720	90,547	172,772
Glass.....	1927	269	65,825	81,363	109,911	282,304	172,483	318,298
	1925	310	69,371	86,736	113,652	295,959	182,307	271,039
	1923	333	73,335	89,808	113,170	309,353	196,183	240,528
	1921	329	54,748	68,224	80,036	213,471	127,485	
	1914	348	74,592	48,656	40,016	123,085	77,069	102,634
Glass cutting, stain- ing, and ornament- ing.	1927	400	4,405	6,215	8,779	22,328	13,549	3,316
	1925	410	4,800	6,517	13,331	27,943	14,612	3,531
	1914	635	8,067	4,670	7,148	16,440	9,303	5,358
Mirrors, framed and unframed.	1927	250	4,308	6,361	16,189	31,425	15,236	7,630
	1925	218	4,153	6,104	19,713	34,949	15,235	6,306
	1914	182	3,184	1,968	6,014	10,169	4,175	4,480
IRON AND STEEL AND PRODUCTS, EXCEPT MACHIN- ERY								
Crude iron and steel and rolled products, total.	1927	602	389,270	645,534	2,269,210	3,488,744	1,210,534	6,781,058
	1925	605	390,914	660,297	2,429,878	3,711,354	1,281,976	6,143,927
	1923	668	424,913	696,700	2,872,028	4,161,938	1,289,910	5,999,941
	1921	628	254,213	364,367	1,366,175	1,901,430	535,255	
	1914	587	278,672	210,923	855,406	1,236,319	380,913	3,925,869

For footnotes see p. 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
IRON AND STEEL, ETC.—Continued								
Iron and steel: Blast furnaces.	1927	116	27,958	44,258	579,555	708,004	129,349	
	1925	122	29,188	45,312	617,417	765,286	147,869	1,880,394
	1923	169	36,712	58,936	827,630	1,007,613	179,983	1,686,419
	1921	134	18,698	29,370	361,050	410,771	58,721	
1914	160	20,356	22,781	264,580	317,654	53,074	1,222,273	
Iron and steel: Steel works and rolling mills.	1927	486	361,312	601,275	1,689,655	2,770,840	1,090,185	89,678,106 ⁸⁸
	1925	473	370,726	614,985	1,811,961	2,946,068	1,134,107	4,763,533
	1923	489	388,261	637,825	2,044,398	3,154,325	1,109,927	4,313,522
	1921	494	235,515	324,987	1,005,125	1,481,659	476,534	
	1914	427	249,716	188,142	590,826	918,665	327,839	2,703,596
Other iron and steel products, total.	1927	5,744	446,231	618,872	1,275,698	2,710,508	1,434,810	1,541,979
	1925	5,473	451,356	624,042	1,304,972	2,748,773	1,443,801	1,375,072
	1923	5,700	467,747	627,827	1,280,890	2,666,903	1,386,013	1,259,334
	1921	5,627	317,685	376,829	774,109	1,554,900	780,787	
	1914	5,744	340,277	211,055	400,404	901,300	440,905	661,947
Bolts, nuts, washers, and rivets, not made in rolling mills. ³⁷	1927	115	13,614	17,324	38,302	75,876	37,574	69,403
	1925	127	13,007	17,942	38,507	75,926	37,419	54,767
	1914	102	10,658	5,961	12,913	23,403	10,490	28,885
Cast-iron pipe.....	1927	82	22,892	25,982	48,225	95,089	40,864	63,190
	1925	77	23,033	27,438	48,847	100,919	52,073	54,320
	1914	59	12,557	7,076	16,930	26,659	9,729	25,864
Doors, shutters, and window sash and frames. ³⁷	1927	117	8,050	15,564	25,602	65,280	39,678	20,626
	1925	92	6,791	12,899	21,628	50,078	28,450	16,090
	1914	43	1,985	1,538	1,996	5,184	3,188	3,170
Forgings, not made in steel works or rolling mills. ³⁷	1927	209	15,399	23,258	51,635	103,672	52,037	120,887
	1925	218	20,290	31,313	68,081	134,511	66,420	120,014
	1914	191	10,689	7,487	14,611	28,961	14,850	36,543
Horseshoes, not made in rolling mills. ³⁷	1927	10	195	282	467	1,363	807	1,088
	1925	9	193	275	499	1,408	912	1,042
	1914	22	588	362	690	1,786	1,096	1,984
Nails, spikes, etc., not made in rolling mills. ³⁷	1927	56	2,100	2,670	5,187	11,753	6,597	8,073
	1925	58	2,227	2,610	5,646	12,318	6,673	8,102
	1914	64	2,644	1,508	3,594	7,199	3,605	8,135
Springs, steel: Railway, vehicle, heavy machine, etc., not made in rolling mills. ³⁷	1927	94	5,753	8,013	24,599	43,821	19,222	22,263
	1925	98	5,897	8,980	23,009	44,469	20,860	22,492
	1914	84	3,703	2,602	6,143	11,595	5,452	8,025
Steel barrels, kegs, and drums. ^{37, 38}	1927	39	2,853	3,986	14,736	24,105	9,360	11,229
	1925	33	2,021	2,914	12,743	19,028	7,185	7,739
	1923	39	2,668	3,363	14,818	23,249	8,431	7,907
	1921	31	2,013	2,323	9,267	14,525	5,258	
Structural and ornamental iron work, not made in rolling mills. ³⁷	1927	1,284	52,392	84,578	243,446	440,376	199,030	251,070
	1925	1,136	48,541	77,411	237,053	429,998	183,845	211,732
	1923	1,056	51,591	80,833	225,487	406,117	180,930	205,518
	1921	1,021	32,897	47,455	161,031	250,080	99,075	
	1914	1,235	47,167	33,429	87,622	159,378	71,766	109,058
Iron and steel, processed. ^{37, 38, 39}	1927	33	231	392	510	1,443	934	1,716
	1925	26	306	557	643	2,114	1,471	1,870
	1923	265	1,376	2,406	2,925	6,112	6,187	6,209
	1914							
Wrought pipe, not made in rolling mills. ³⁷	1927	44	11,083	16,066	55,779	98,186	42,407	53,938
	1925	42	10,871	17,157	59,142	94,695	35,553	41,906
	1923							
	1914	36	8,845	6,750	26,296	37,655	11,359	17,532
Firearms.....	1927	20	6,130	7,934	5,048	19,452	14,405	15,747
	1925	20	4,470	5,884	3,174	15,179	12,005	14,680
	1914	29	7,064	5,067	2,670	10,544	7,874	7,374
Galvanizing and other coating, not done in rolling mills.	1927	59	953	1,449	3,722	6,951	3,228	2,657
	1925	54	804	1,123	2,892	5,983	3,041	1,881
	1923							
	1914	48	1,580	922	2,293	8,480	2,187	2,385

For footnotes see p. 814.

MANUFACTURES, BY SPECIFIED INDUSTRIES

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No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
IRON AND STEEL, ETC.—Continued.								
Hardware, not else- where classified.	1927	486	47,834	60,827	71,877	208,254	136,377	90,624
	1926	470	52,349	65,502	77,503	225,053	147,650	98,278
	1923	473	52,205	63,471	80,508	215,960	135,362	84,006
	1921	450	35,228	36,240	41,520	120,600	79,080	
1914	597	43,724	23,831	30,861	77,360	40,499	56,839	
Pens, steel and brass—	1927	6	534	594	293	1,658	1,365	307
	1926	5	487	498	265	1,446	1,180	273
	1914	5	573	243	117	514	397	244
Plumbers' supplies, not including pipe or marble, slate, and por- celain sanitary ware.	1927	231	29,245	40,212	55,633	148,879	93,248	90,293
	1926	239	33,280	46,954	63,610	167,878	104,268	54,534
	1914	260	18,479	11,703	18,670	43,386	24,716	28,112
Safes and vaults—	1927	26	3,886	4,404	7,226	18,440	11,213	9,688
	1926	35	3,865	5,308	8,266	23,044	14,778	10,054
	1914	39	2,972	1,800	2,646	7,267	4,611	8,406
Screw-machine prod- ucts.	1927	205	9,067	13,778	20,805	48,138	27,243	31,835
	1926	193	8,987	12,969	18,788	43,779	24,361	30,514
	1914	66	3,043	2,310	3,068	7,248	4,190	7,848
Screws, wood—	1927	13	3,723	4,277	5,015	11,882	9,867	11,633
	1926	12	5,084	5,825	6,288	15,836	9,548	11,970
	1914	12	4,440	1,951	2,360	6,217	3,867	8,044
Steam fittings and steam and hot-water heating apparatus.	1927	232	42,893	64,851	76,835	225,158	148,323	132,723
	1926	225	43,200	63,070	77,367	228,930	151,673	109,313
	1923	236	44,141	64,807	83,297	221,954	138,657	91,085
	1921	274	30,868	39,690	50,213	127,367	77,154	
	1914	205	20,388	16,738	26,921	63,022	37,001	38,362
Stoves and ranges (other than electric), and warm-air fur- naces.	1927	504	45,180	64,327	93,096	258,286	165,190	100,099
	1926	504	46,614	66,299	95,873	264,303	168,430	94,126
	1914	551	37,325	25,865	33,955	89,390	55,435	40,056
Tinware, not elsewhere classified. ¹⁰	1927	236	20,721	35,001	100,421	253,470	84,057	64,005
	1926	221	20,901	34,392	175,770	260,360	84,581	48,728
	1923	241	30,611	32,816	135,980	215,971	79,991	41,252
	1921	244	22,711	24,595	108,743	168,305	69,557	
	1914	294	22,684	12,217	53,841	81,931	28,000	17,863
Tools and cutlery: Cutlery (not includ- ing silver and plated cutlery) and edge tools.	1927	236	17,178	29,276	19,136	76,368	57,562	43,419
	1926	211	16,407	20,226	20,502	80,263	59,701	51,673
	1914	252	16,561	9,076	8,186	25,541	17,355	34,665
Files—	1927	36	3,948	5,145	3,186	12,074	9,838	10,970
	1926	38	4,209	5,393	3,518	13,541	10,023	11,534
	1914	48	4,849	2,135	1,595	5,008	4,013	8,771
Saws—	1927	77	4,182	5,754	7,074	22,628	14,954	14,526
	1926	71	4,710	5,873	8,224	24,700	16,485	14,287
	1914	100	4,500	3,020	4,714	12,517	7,803	11,744
Other tools, not in- cluding machine tools.	1927	667	25,232	34,465	37,057	117,431	80,374	85,993
	1926	663	25,340	34,294	39,023	121,263	82,240	78,686
	1914	661	16,860	10,217	12,235	33,893	21,658	37,248
Vault, sidewalk, and floor lights, coal-hole covers, and ventilat- ing equipment. ¹¹	1923	24	200	446	1,213	2,991	1,778	264
	1914	45	601	467	959	2,051	1,062	486
Wire, drawn from pur- chased bars or rods (excludes steel works and rolling mills).	1927	73	10,866	30,088	128,092	190,710	62,617	152,574
	1926	68	18,644	26,928	127,251	184,463	57,212	138,115
	1914	54	17,660	11,921	56,424	81,341	25,417	36,366
Wirework, not else- where classified.	1927	512	21,697	26,430	63,093	128,536	65,443	45,858
	1926	462	10,268	23,835	50,604	115,429	55,825	35,943
	1914	552	12,126	6,719	24,114	41,789	17,875	21,405

For footnotes see p. 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
NONFERROUS METALS AND THEIR PRODUCTS.								
Products for re-manufacture, total. ¹	1927	1,336	80,721	116,243	458,029	765,126	247,097	488,882
	1925	1,267	79,488	113,574	436,801	721,389	255,085	431,605
	1923	1,266	83,359	111,866	448,267	679,182	230,915	372,603
	1921	1,125	51,668	60,085	186,949	297,455	110,506	12,297
	1914	1,165	46,540	28,803	151,609	208,407	56,799	139,761
Aluminum manufact- ures.	1927	139	14,798	20,892	79,839	123,557	43,719	71,907
	1925	127	14,363	19,753	84,985	127,831	42,840	62,366
	1914	37	4,614	2,611	14,421	19,598	5,177	12,297
Babbitt metal, white metal, type metal, and solder.	1927	64	1,087	1,534	36,784	44,673	7,889	3,597
	1925	67	1,465	2,221	44,081	50,565	6,569	3,907
	1914	109	1,035	701	15,652	19,180	3,528	2,891
Brass, bronze, and other nonferrous al- loys, and manufact- ures of these alloys and of copper, not elsewhere classified. ⁴	1927	1,106	64,187	92,894	327,605	519,892	192,288	404,512
	1925	1,044	62,942	90,613	337,641	519,725	182,084	361,242
	1923	1,035	64,713	88,839	331,757	511,470	179,713	305,889
	1921	911	39,380	46,260	130,627	214,904	84,277	121,074
	1914	992	40,306	25,084	115,487	162,199	46,712	121,074
Lead: Bar, pipe, and sheet.	1927	27	649	923	13,802	17,003	3,202	3,816
	1925	29	728	985	19,694	23,180	3,586	4,090
	1914	27	585	407	6,048	7,431	1,383	2,069
Smelting and re- fining, total. ²	1927	228	34,087	50,515	935,014	1,080,153	151,138	481,441
	1925	238	37,194	54,793	1,070,193	1,244,505	174,313	484,012
	1923	205	37,684	55,095	924,228	1,080,440	136,213	460,321
	1921	222	20,999	27,807	419,419	491,156	71,737	12,297
	1914	250	37,774	31,258	629,704	737,629	107,924	273,561
Primary, total.	1927	69	30,510	44,800	807,242	942,735	135,493	405,164
	1925	71	32,992	47,048	912,064	1,067,125	155,061	400,096
	1923	84	34,889	51,123	325,549	947,352	121,803	444,903
	1921	80	18,580	24,401	364,277	422,972	53,694	201,419
	1914	83	34,733	23,983	672,744	699,139	96,395	201,419
Copper.	1927	26	13,924	20,582	527,764	609,299	81,535	323,799
	1925	26	15,588	22,642	673,490	695,177	91,980	326,509
	1923	29	16,777	25,450	554,400	625,433	71,333	332,943
	1921	28	8,293	11,199	205,904	234,895	28,991	194,980
	1914	37	17,731	16,149	379,157	444,022	64,865	194,980
Lead.	1927	13	5,398	7,690	202,859	225,138	22,279	48,298
	1925	17	6,115	9,002	254,881	283,043	28,162	47,219
	1923	20	6,194	8,708	207,315	227,735	20,420	42,377
	1921	23	4,509	5,953	134,061	150,594	16,583	12,297
	1914	22	7,385	6,134	154,015	171,579	17,564	20,734
Zinc.	1927	25	11,188	16,528	76,619	108,298	31,679	93,067
	1925	28	11,289	16,305	83,992	118,906	34,913	86,388
	1914	29	9,617	6,700	39,573	53,538	13,965	36,705
Secondary total.	1927	169	3,577	5,715	127,772	143,418	15,646	16,277
	1925	167	4,202	6,845	153,130	177,351	19,251	23,916
	1914	162	3,041	2,275	56,960	68,490	11,530	12,132
Gold, silver, and platinum, reducing and refining, not from ore.	1927	57	801	1,435	58,877	62,647	3,770	4,288
	1925	65	1,288	2,166	89,807	95,243	6,376	6,676
	1914	78	466	391	26,709	28,588	2,879	2,061
Metals other than gold, silver, or plat- inum, not from the ore.	1927	102	2,776	4,280	68,894	80,771	11,876	11,989
	1925	102	2,944	4,680	69,283	82,138	12,875	14,240
	1914	84	2,585	1,384	31,251	39,992	8,661	10,071
Metals not elsewhere classified. ³	1923	4	257	387	4,541	5,382	841	1,144
	1921	5	434	748	4,055	7,060	3,005	1,144
	1919	13	2,041	2,963	14,957	20,074	5,117	11,700

For footnotes see pp. 813 and 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (aver- age for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
NONFERROUS METALS, ETC.—Con.								
Manufactures of metals, ¹	1927	5,094	165,737	213,008	387,315	877,418	400,103	254,325
	1925	5,410	168,010	212,415	390,283	897,378	477,595	242,860
	1923	5,061	171,060	221,202	401,078	892,075	480,997	235,739
	1921	6,464	189,687	108,360	279,469	618,204	338,795	
	1914	8,203	153,932	93,893	182,481	381,894	199,413	136,014
Bells "-----"	1923	0	218	226	328	792	465	426
	1921	9	203	200	277	646	398	
	1914	12	445	244	438	970	532	787
Clocks, time-recording devices, and clock movements.	1927	52	0,805	11,751	10,063	38,196	28,133	9,510
	1925	45	7,945	9,238	8,020	29,879	20,459	8,614
	1914	48	6,754	3,653	4,008	11,032	7,024	5,993
Watches and watch movements.	1927	11	12,192	15,090	5,871	32,278	26,407	0,357
	1925	13	13,915	16,557	6,178	36,254	30,076	12,348
	1914	15	12,300	7,524	2,069	14,275	11,606	6,624
Watch and clock materials and parts, except watchcases.	1927	17	415	407	315	1,309	994	210
	1925	25	501	480	376	1,863	987	219
	1914	25	670	380	343	1,015	672	621
Watchcases-----	1927	40	3,360	4,326	5,311	13,725	8,414	4,121
	1925	45	3,480	4,463	6,050	14,793	8,743	4,106
	1914	31	3,514	1,938	4,002	7,831	3,829	2,360
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.	1927	1,081	24,527	38,008	98,386	191,129	92,743	35,880
	1925	2,107	24,990	37,825	84,080	176,043	90,963	35,273
	1914	4,527	28,714	20,518	50,174	94,891	44,717	21,275
Fire extinguishers, chemical.	1927	26	832	1,192	4,010	8,035	4,025	1,564
	1925	26	842	1,131	4,122	8,037	3,915	1,440
	1914	27	250	200	674	1,298	724	269
Stamped and enamored ware, not elsewhere classified.	1927	365	23,594	35,155	65,581	141,793	76,212	66,726
	1925	370	29,704	36,107	77,487	154,096	76,009	64,346
	1914	270	28,781	15,243	32,472	65,121	32,649	34,561
Gas and electric fixtures, lamps, lanterns and reflectors.	1927	481	21,030	29,261	55,609	127,802	72,194	31,291
	1925	517	22,334	31,072	57,771	129,098	71,028	30,038
	1914	611	18,047	10,677	22,102	45,378	23,276	18,213
Needles, pins, hooks and eyes, and snap fasteners.	1927	45	5,606	6,098	5,023	20,325	14,402	7,250
	1925	48	5,850	5,856	5,026	18,174	12,243	7,603
	1914	49	5,389	2,507	3,242	7,891	4,649	4,783
Gold and silver, leaf and foil.	1927	77	1,146	1,120	1,721	3,571	1,850	346
	1925	84	1,148	1,113	1,839	3,740	1,907	320
	1914	70	1,135	408	1,452	2,432	980	360
Jewelry-----	1927	1,367	24,116	30,766	70,915	164,865	87,950	17,070
	1925	1,468	23,837	36,177	79,886	166,816	86,931	17,296
	1914	1,014	28,289	18,302	39,110	81,006	41,890	18,862
Pens, gold-----	1927	8	137	198	444	732	288	80
	1925	13	220	200	589	1,115	526	121
	1914	12	246	174	302	642	340	138
Silversmithing and silverware.	1927	82	4,890	7,099	10,915	30,204	19,289	7,493
	1925	93	5,537	8,607	13,100	32,532	19,426	7,770
	1914	108	7,070	4,706	8,275	19,786	11,511	7,899
Plated ware-----	1927	94	11,752	16,142	20,212	56,720	36,508	27,712
	1925	90	11,290	15,230	20,071	54,330	34,259	23,914
	1914	72	8,717	5,001	8,304	18,484	10,180	10,494
Tin and other foils, not including gold and silver; collapsible tubes.	1927	27	3,042	4,002	22,454	32,302	9,848	21,619
	1925	26	3,618	4,001	21,842	30,960	8,719	18,712
	1914	14	1,031	528	3,672	6,063	1,396	2,458
Electroplating-----	1927	419	3,550	5,629	3,335	13,930	10,595	14,000
	1925	449	3,337	5,254	2,841	12,441	9,399	10,743
	1914	470	2,584	1,713	1,330	4,773	3,437	5,308

For footnotes see pp. 813 and 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT								
Agricultural implements	1927	277	33,340	40,415	85,066	202,732	117,066	117,066
	1925	303	28,090	37,988	73,850	169,408	95,618	115,325
	1914	301	48,489	34,593	73,509	164,087	90,578	121,266
Cash registers and calculating machines.	1927	41	14,372	21,750	11,132	106,845	95,713	21,954
	1925	41	13,290	21,142	11,106	98,384	87,218	17,616
	1914	52	8,956	0,110	3,992	30,520	26,528	10,619
Electrical machinery, apparatus, and supplies. ⁴⁵	1927	1,777	241,566	336,239	645,762	1,637,307	991,545	661,168
	1925	1,739	239,021	323,535	636,692	1,540,002	905,310	589,398
	1923	1,671	234,892	305,455	548,627	1,293,002	744,375	480,268
	1921	1,335	161,204	194,242	344,070	833,985	489,915	-----
	1914	1,030	118,078	73,806	154,728	385,170	180,442	226,320
Engines, turbines, and water wheels.	1927	215	54,341	84,791	165,203	367,879	202,676	241,788
	1925	220	51,099	73,585	145,784	313,538	167,804	224,194
	1923	249	48,495	70,878	124,643	260,993	142,455	165,137
	1921	296	35,507	52,005	111,693	199,499	87,801	-----
	1914	446	29,057	21,421	31,460	72,121	40,661	62,106
Foundry and machine-shop products, not elsewhere classified. ⁴⁶	1927	8,318	397,814	591,065	872,700	2,259,794	1,387,004	1,538,856
	1925	8,154	397,833	590,301	853,798	2,232,983	1,349,278	1,424,259
	1923	8,531	448,777	642,431	936,231	2,337,073	1,400,842	1,234,326
	1921	9,013	321,363	412,359	653,364	1,655,527	912,163	-----
	1914	10,640	362,471	244,146	368,122	800,545	508,423	763,821
Gas machines and gas and water meters.	1927	58	5,915	8,792	15,591	30,715	21,124	10,427
	1925	61	5,514	7,429	13,038	34,292	21,254	7,375
	1914	123	4,972	3,310	6,118	15,184	9,066	5,681
Machine tools ⁴⁷ -----	1927	355	35,269	52,366	46,115	159,513	113,398	131,070
	1925	329	30,831	46,711	43,826	144,202	100,376	118,819
	1910	403	53,111	60,179	59,034	212,400	153,366	100,294
Metal working machinery (other than machine tools). ⁴⁸	1927	62	6,125	9,058	10,861	31,749	20,887	23,078
	1925	49	5,694	9,221	10,698	31,390	20,692	22,190
Pumps (hand and power) and pumping equipment.	1927	278	18,671	27,119	52,765	130,591	77,820	64,763
	1925	253	17,935	25,278	50,328	120,143	69,820	56,470
	1914	183	8,322	5,555	9,459	24,214	14,755	17,141
Refrigerators, mechanical. ⁴⁹	1927	22	11,285	17,712	42,651	96,514	53,862	40,084
Scales and balances.---	1927	60	3,906	5,461	7,454	24,655	17,202	8,706
	1925	71	4,292	5,783	7,349	27,237	10,888	9,771
	1914	83	4,467	2,934	3,174	9,734	6,500	6,187
Sewing machines, cases, and attachments.	1927	41	11,838	15,870	16,782	45,222	28,440	41,988
	1925	41	12,121	16,100	18,610	46,298	27,689	27,459
	1914	50	18,007	11,061	10,200	27,238	17,038	24,010
Textile machinery and parts. ⁵⁰	1927	367	26,154	36,481	36,181	116,021	80,740	64,532
	1925	379	27,860	37,464	39,037	121,663	82,016	61,738
	1923	428	35,672	46,023	46,705	140,661	90,956	56,265
Typewriters and supplies.	1927	75	16,681	20,912	15,956	69,112	53,156	17,920
	1925	70	14,969	18,804	15,157	68,080	47,923	15,568
	1914	107	11,091	6,967	5,501	24,500	18,999	10,872
Washing machines, clothes wringers, driers, and ironing machines for domestic use.	1927	75	7,789	10,950	34,528	74,951	40,423	20,697
	1925	82	7,077	9,690	32,748	69,593	36,820	18,028
	1914	111	2,302	1,221	4,149	7,600	3,451	4,898
Windmills and windmill towers.	1927	10	1,355	1,832	3,284	7,514	4,281	3,608
	1925	15	1,361	1,890	3,376	7,984	4,608	3,378
	1914	31	1,955	1,252	2,555	5,496	2,941	3,997

For footnotes see p. 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
TRANSPORTATION EQUIPMENT								
Motor vehicles, not including motor cycles.	1927	204	187, 910	321, 604	1, 880, 426	2, 848, 443	959, 017	701, 841
	1925	297	197, 728	341, 210	2, 108, 192	3, 198, 123	1, 089, 931	509, 758
	1923	351	241, 356	406, 730	2, 147, 463	3, 163, 328	1, 015, 835	485, 645
	1921	385	143, 658	221, 974	1, 107, 062	1, 671, 387	564, 325	
	1914	300	79, 307	66, 034	292, 598	503, 280	210, 632	104, 963
Motor-vehicle bodies and motor-vehicle parts.	1927	1, 213	181, 480	291, 291	641, 307	1, 151, 426	510, 120	551, 639
	1925	1, 358	228, 382	372, 721	862, 721	1, 523, 280	600, 558	662, 255
	1923	2, 120	163, 630	253, 147	564, 107	1, 013, 113	449, 006	425, 088
	1921	1, 074	60, 119	90, 770	213, 965	468, 017	194, 652	
	1914	971	47, 785	34, 993	63, 610	129, 001	65, 991	67, 912
Motor cycles, bicycles, and parts.	1927	20	3, 807	5, 442	10, 174	21, 454	11, 280	10, 753
	1925	36	4, 103	5, 662	12, 177	24, 258	12, 081	12, 609
	1923	78	6, 680	4, 739	10, 928	22, 234	11, 306	8, 718
	1914							
Carriages, wagons, sleighs, and sleds. ¹⁶	1927	117	3, 387	4, 212	10, 648	16, 422	8, 774	18, 207
	1925	162	4, 833	5, 702	12, 800	24, 935	12, 075	20, 449
	1923	396	8, 109	9, 319	18, 683	37, 373	18, 690	28, 509
	1921	837	8, 026	9, 903	10, 884	33, 114	16, 230	
	1914	4, 622	41, 627	26, 607	52, 602	107, 639	55, 037	75, 439
Carriage, wagon, sleigh, and sled materials.	1927	44	704	605	1, 555	3, 041	1, 486	5, 213
	1925	81	1, 389	1, 216	2, 659	6, 118	2, 459	8, 689
	1914	456	11, 087	6, 059	13, 546	24, 850	11, 369	38, 195
Carriages and sleds, children's.	1927	89	7, 030	7, 814	13, 895	28, 668	14, 773	10, 309
	1925	86	6, 926	7, 923	13, 553	30, 174	16, 620	9, 853
	1914	92	5, 900	3, 181	5, 682	11, 752	6, 070	6, 562
Aircraft and parts.	1927	70	4, 422	6, 857	7, 517	21, 162	13, 645	6, 031
	1925	44	2, 701	4, 222	2, 870	12, 525	6, 655	3, 735
	1914	16	168	135	134	790	656	195
Locomotives, not made in railroad repair shops.	1927	17	12, 961	17, 648	45, 688	76, 719	31, 031	148, 971
	1925	18	12, 809	18, 219	41, 717	65, 389	28, 672	114, 209
	1914	19	17, 391	11, 085	23, 546	43, 374	19, 828	50, 373
Cars, electric and steam - railroad, not built in railroad repair shops.	1927	135	38, 031	60, 625	206, 113	312, 509	103, 396	236, 415
	1925	141	50, 393	77, 247	260, 654	300, 771	124, 718	243, 034
	1923	139	60, 930	120, 178	413, 060	604, 351	190, 601	250, 102
	1921	118	48, 633	70, 945	211, 938	340, 530	128, 598	
	1914	117	58, 128	43, 861	138, 550	205, 271	66, 721	135, 868
Ship and boat building, steel and wooden, including repair work.	1927	559	55, 014	87, 081	78, 626	211, 127	132, 501	314, 474
	1925	505	50, 224	74, 275	66, 209	177, 182	110, 883	303, 470
	1914	1, 147	44, 489	32, 931	38, 597	88, 682	60, 085	115, 114
RAILROAD REPAIR SHOPS								
Car and general construction and repairs, steam-railroad repair shops.	1927	1, 704	307, 688	600, 517	515, 070	1, 205, 191	690, 120	1, 037, 464
	1925	1, 842	425, 234	619, 834	533, 968	1, 248, 807	714, 959	934, 839
	1923	1, 801	488, 565	723, 742	590, 377	1, 453, 680	834, 303	735, 635
	1921	1, 766	385, 006	624, 181	473, 011	1, 180, 030	707, 019	
	1914	1, 362	339, 518	234, 505	243, 329	514, 641	270, 212	438, 904
Car and general construction and repairs, electric-railroad repair shops.	1927	515	31, 584	48, 392	30, 421	84, 604	54, 083	73, 367
	1925	521	32, 621	48, 367	20, 738	83, 812	54, 074	70, 479
	1914	649	26, 384	18, 645	17, 609	38, 577	20, 968	44, 989
MISCELLANEOUS INDUSTRIES								
Musical instruments and phonographs, total.	1927	481	42, 985	60, 761	90, 159	226, 362	136, 208	102, 105
	1925	461	46, 980	62, 502	98, 760	231, 687	132, 926	97, 318
	1923	535	58, 329	75, 396	123, 600	282, 532	168, 931	90, 228
	1921	600	45, 113	54, 495	94, 988	212, 989	118, 001	
	1914	737	48, 768	30, 855	30, 855	119, 689	70, 365	57, 526

For footnotes see p. 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
MISCELLANEOUS INDUSTRIES—Contd.								
Musical instruments and materials, not elsewhere classified.	1927	99	4, 018	5, 737	4, 041	17, 892	13, 251	5, 366
	1925	100	4, 556	6, 520	5, 575	20, 329	14, 764	4, 907
	1914	241	1, 831	1, 161	1, 023	3, 625	2, 602	1, 706
Organs and orches- trions.	1927	63	2, 770	4, 364	4, 494	15, 439	10, 944	4, 332
	1925	67	2, 460	3, 610	3, 749	12, 283	8, 534	3, 983
	1914	85	3, 063	1, 993	2, 060	6, 267	3, 037	3, 003
Pianos	1927	124	16, 582	23, 891	33, 899	75, 491	41, 592	29, 725
	1925	142	20, 079	28, 096	49, 266	101, 181	51, 885	26, 012
	1914	255	23, 877	15, 705	29, 091	62, 775	33, 684	25, 838
Piano and organ ma- terials.	1927	85	5, 399	6, 594	9, 687	22, 245	12, 587	14, 185
	1925	94	8, 618	10, 131	15, 294	35, 836	21, 543	15, 734
	1914	138	10, 616	5, 655	9, 592	19, 876	10, 374	14, 599
Phonographs	1927	60	14, 216	20, 176	37, 468	95, 290	57, 828	48, 507
	1925	68	11, 267	14, 145	24, 847	61, 057	36, 210	45, 782
	1914	18	9, 381	6, 341	7, 048	27, 116	20, 068	11, 688
Tobacco manufac- tures, total.	1927	2, 150	129, 290	105, 251	420, 067	1, 163, 768	743, 102	52, 385
	1925	2, 623	132, 132	111, 558	425, 769	1, 091, 091	695, 232	42, 075
	1923	3, 672	146, 337	120, 462	515, 865	1, 044, 102	628, 327	43, 515
	1921	4, 372	149, 985	120, 903	608, 688	1, 048, 490	439, 891	-----
	1914	13, 951	178, 872	77, 856	207, 134	490, 165	283, 032	34, 756
Tobacco: Chewing and smoking, and snuff.	1927	159	13, 125	10, 061	85, 310	198, 245	112, 934	16, 500
	1925	178	15, 024	12, 185	94, 419	216, 180	121, 768	17, 541
	1923	206	16, 301	12, 730	146, 374	222, 906	76, 592	18, 621
	1921	226	16, 628	12, 742	156, 477	241, 741	85, 264	-----
	1914	436	25, 980	9, 550	76, 604	175, 281	98, 677	21, 273
Tobacco: Cigars and cigarettes.	1927	1, 997	116, 174	94, 689	235, 356	965, 524	630, 168	35, 819
	1925	2, 445	117, 108	99, 373	331, 351	874, 815	543, 464	24, 534
	1923	3, 466	130, 036	107, 723	369, 491	821, 226	451, 735	24, 894
	1921	4, 146	133, 357	108, 161	452, 212	896, 749	354, 537	-----
	1914	13, 515	152, 892	68, 306	136, 630	314, 884	184, 354	13, 483
Other industries, total.	1927	11, 781	268, 682	364, 375	863, 878	1, 919, 919	1, 050, 041	686, 429
	1925	11, 209	254, 572	336, 062	828, 476	1, 896, 967	978, 491	599, 547
	1923	11, 295	271, 227	333, 168	790, 459	1, 078, 830	888, 372	570, 637
	1921	10, 838	223, 077	267, 034	612, 186	1, 296, 820	684, 033	-----
	1914	11, 944	215, 400	119, 394	347, 879	662, 241	314, 301	358, 568
Artificial and preserved flowers and plants.	1927	190	4, 716	5, 050	7, 880	19, 576	11, 688	541
	1925	187	4, 305	4, 287	7, 265	17, 824	10, 550	737
	1914	217	4, 898	1, 991	3, 207	7, 014	4, 407	208
Artificial limbs	1927	130	592	908	720	3, 216	2, 495	1, 001
	1925	123	562	794	627	3, 021	2, 394	955
	1914	153	488	309	816	1, 498	1, 182	488
Artists' and drafts- men's materials.	1927	61	1, 211	1, 480	3, 772	8, 205	4, 433	3, 250
	1925	62	1, 317	1, 568	3, 892	8, 321	4, 518	2, 982
	1914	44	604	315	2, 065	3, 238	1, 173	1, 860
Brooms	1927	304	4, 450	4, 275	9, 176	18, 445	9, 269	4, 401
	1925	421	3, 725	4, 654	11, 213	21, 714	10, 591	5, 399
	1914	868	6, 642	2, 024	7, 884	14, 085	6, 291	4, 495
Brushes, other than rubber.	1927	302	7, 673	8, 244	22, 553	47, 844	25, 291	12, 093
	1925	302	7, 836	8, 452	22, 021	45, 824	23, 893	11, 220
	1914	359	7, 213	3, 451	9, 327	17, 894	8, 567	6, 296
Buttons	1927	229	9, 642	9, 436	11, 238	29, 130	17, 893	15, 699
	1925	289	11, 513	10, 893	12, 873	32, 458	20, 085	15, 840
	1914	517	14, 511	6, 424	8, 792	20, 712	12, 010	14, 000

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (aver- age for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manu- facture	Horse- power
MISCELLANEOUS IN- DUSTRIES—Contd.								
Combs and hairpins, not made from metal or rubber.	1927	36	1,259	1,249	1,873	4,437	2,594	1,591
	1925	44	1,300	1,203	2,334	5,270	2,936	1,892
	1914	66	2,773	1,393	2,853	5,478	2,625	2,453
Dairyman's supplies; creamery, cheese-fac- tory, and butter-fac- tory equipment, and poultrymen's and apiarists' supplies.	1927	152	5,091	6,374	15,680	36,824	21,137	13,576
	1925	180	4,844	5,804	15,421	37,263	21,842	14,719
	1914	236	5,551	3,363	9,248	18,950	9,702	11,639
Dental goods, includ- ing dental-laboratory work.	1927	342	5,074	6,998	21,028	42,695	20,767	4,341
	1925	326	5,303	6,132	21,124	38,769	17,045	4,966
	1914	172	3,080	1,616	10,715	16,160	5,445	1,874
Enameling and japan- ing.	1927	111	2,259	3,017	3,299	9,143	5,843	6,393
	1925	95	1,650	2,170	2,250	6,396	4,646	3,775
	1914	112	1,542	798	1,004	2,547	1,433	1,715
Fancy and miscellane- ous articles, not else- where classified.	1927	505	10,965	18,307	34,674	83,006	48,333	10,802
	1925	532	14,552	14,960	20,155	69,769	40,614	9,071
	1914	493	7,399	3,567	8,420	17,659	9,230	4,465
Feathers, plumes, and manufactures there- of.	1927	39	322	397	534	1,438	904	103
	1925	78	888	976	1,881	4,179	2,298	334
	1914	239	4,483	1,988	6,102	11,451	5,349	308
Foundry supplies	1927	65	941	1,200	6,539	11,635	5,096	11,133
	1925	69	1,087	1,360	6,904	12,723	5,819	10,733
	1914	57	555	301	997	2,013	1,016	4,689
Fur goods	1927	2,756	16,640	37,671	195,323	299,615	104,292	5,655
	1925	2,000	16,556	35,164	159,316	254,266	94,050	4,985
	1913	1,734	14,439	27,923	126,162	198,043	71,881	4,299
	1921	1,707	12,052	22,421	84,537	139,366	54,829	-----
	1914	1,322	9,050	6,335	23,347	43,633	19,780	3,225
Furs, dressed	1927	172	5,540	10,361	7,072	27,681	20,609	12,467
	1925	133	5,056	8,423	7,296	25,423	18,126	9,853
	1914	96	1,525	923	906	2,875	1,969	2,207
Hair work	1927	69	515	598	830	2,279	1,449	21
	1925	85	864	975	3,046	6,090	3,043	13
	1914	208	1,193	581	1,529	3,335	1,806	68
Hand stamps and sten- cils and brands.	1927	263	2,688	3,842	3,734	14,156	10,422	3,159
	1925	323	2,930	4,015	4,070	15,321	11,250	3,663
	1914	384	1,767	1,149	1,425	4,486	3,061	1,355
Hats, men's, straw	1927	48	3,263	4,232	11,783	21,718	9,635	1,554
	1925	53	5,920	5,823	15,178	28,154	12,978	3,541
	1914	149	9,483	5,253	14,080	26,444	11,368	5,144
Instruments, profes- sional and scientific.	1927	280	16,414	22,289	28,880	87,783	68,903	25,587
	1925	233	12,129	16,166	20,428	76,339	55,911	17,595
	1914	307	7,107	4,632	5,532	17,495	11,913	6,731
Ivory, shell, and bone work, not including buttons, combs, or hairpins.	1927	22	294	330	328	911	593	599
	1925	29	488	555	728	1,879	1,152	892
	1914	54	795	391	668	1,896	933	650
Jewelry and instru- ment cases.	1927	107	2,406	2,597	3,294	8,810	5,516	1,440
	1925	125	2,748	2,750	3,833	10,114	6,281	2,460
	1914	125	2,393	1,094	1,659	3,621	2,171	1,012
Lapidary work	1927	62	547	1,221	9,138	12,352	3,218	513
	1925	83	680	1,235	7,373	10,123	2,850	515
	1914	89	584	641	3,941	5,360	1,410	534

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
MISCELLANEOUS INDUSTRIES—Contd.								
Mattresses and bed springs, not elsewhere classified.	1927	838	13,481	16,887	52,182	98,835	46,652	32,927
	1925	1,018	14,403	17,480	62,489	110,717	48,228	32,840
	1914	1,000	11,747	6,723	22,899	38,717	16,318	20,604
Models and patterns, not including paper patterns.	1927	693	5,584	10,545	4,659	23,495	18,836	11,465
	1925	689	5,262	9,420	4,927	22,485	17,557	10,473
	1914	762	4,274	3,103	2,045	8,605	6,500	5,801
Motion pictures, not including projection in theaters. ¹⁰	1927	142	8,415	18,637	34,867	134,343	99,476	32,160
	1925	132	5,573	18,066	33,258	93,636	60,378	29,472
	1919	50	3,046	6,709	19,579	36,705	17,126	4,169
Optical goods-----	1927	96	7,596	9,561	8,865	32,767	23,892	12,401
	1925	117	8,642	10,439	9,997	33,655	23,068	11,017
	1914	314	7,919	4,649	6,606	18,183	11,582	7,710
Paving materials, other than brick.	1927	592	19,260	25,003	38,008	103,249	65,242	203,760
	1925	604	17,941	22,368	33,435	90,630	57,195	177,469
	1914	609	19,540	11,184	14,163	35,678	21,515	137,862
Pencils, lead-----	1927	27	5,301	5,943	9,931	24,500	14,568	9,832
	1925	25	5,636	6,031	9,169	25,051	15,882	8,209
	1914	14	4,330	1,944	4,664	8,323	3,704	3,728
Pens, fountain and stylographic.	1927	54	3,360	3,943	9,638	23,255	13,617	3,334
	1925	60	3,490	4,055	7,741	24,035	16,295	3,213
	1914	55	1,154	718	1,614	6,365	5,261	1,167
Photographic apparatus and materials.	1927	122	12,120	18,311	29,020	90,823	61,898	24,838
	1925	118	9,164	13,300	25,779	78,654	52,874	22,866
	1914	146	8,674	5,545	11,639	39,041	27,502	16,439
Pipes, tobacco-----	1927	23	1,807	2,279	2,723	7,274	4,551	1,928
	1925	28	1,970	2,291	2,718	7,299	4,581	2,052
	1914	47	2,364	1,188	2,308	4,220	1,012	1,641
Roofing materials, not including wood, slate, burnt tile, asbestos, or metal other than metal shingles and ceilings.	1927	100	7,255	10,713	67,328	123,210	55,883	41,740
	1925	140	8,310	12,145	78,597	123,591	44,994	34,161
	1914	170	4,088	2,642	17,605	27,978	10,373	11,702
Sandpaper, emery paper, and other abrasive paper and cloth.	1927	10	917	1,228	5,471	12,232	6,761	2,834
	1925	12	1,230	1,714	7,342	15,623	8,281	4,513
	1914	12	681	350	2,686	4,328	1,642	3,092
Signs and advertising novelties.	1927	813	16,907	24,044	30,892	98,481	67,589	15,325
	1925	759	15,128	20,764	25,858	89,669	63,811	12,550
	1914	776	9,566	5,933	9,059	24,792	15,733	7,345
Soda-water apparatus--	1927	48	2,838	4,223	10,391	23,929	13,538	5,042
	1925	60	2,372	3,628	8,632	22,032	13,400	4,180
	1914	67	2,229	1,661	3,833	8,781	4,898	3,705
Sporting and athletic goods, not incl. firearms or ammunition.	1927	187	9,689	11,595	19,394	44,943	25,549	13,484
	1925	181	8,724	10,262	17,875	42,629	24,755	11,550
	1914	162	5,602	2,771	6,952	13,235	6,283	4,116
Stationery goods, not elsewhere classified.	1927	194	8,987	9,792	27,016	56,987	29,971	8,891
	1925	217	11,399	12,076	31,108	67,899	36,701	10,970
	1914	189	7,728	3,791	10,763	21,903	11,140	5,687
Steam and other packing, pipe and boiler covering, and gaskets not made in textile mills.	1927	159	5,946	7,905	19,794	43,045	23,250	29,810
	1925	172	6,086	8,072	20,372	43,871	23,499	25,579
	1914	149	4,213	2,525	8,176	14,213	6,037	17,165
Surgical appliances-----	1927	205	6,718	7,463	30,043	57,408	27,305	8,661
	1925	180	5,888	6,043	26,187	55,294	26,077	11,572
	1914	238	4,282	2,211	7,098	14,020	7,822	6,359

For footnotes see p. 814.

No. 797.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
MISCELLANEOUS INDUSTRIES—Contd.								
Theatrical scenery and stage equipment.	1927	30	501	1,980	2,330	5,745	3,415	998
	1925	33	301	864	1,520	3,373	2,058	413
	1914	7	88	89	126	327	202	65
Toys (not including children's wheel goods or sleds), games, and play- ground equipment.	1927	307	14,738	15,543	25,805	63,950	38,150	19,028
	1925	352	0,901	13,785	22,170	55,734	33,554	19,038
	1914	200	7,887	3,499	5,770	13,767	7,978	6,719
Umbrellas, parasols, and canes.	1927	164	3,308	3,411	14,021	23,156	9,135	2,411
	1925	176	3,731	3,606	16,564	27,299	10,705	3,037
	1914	205	4,702	2,167	3,592	13,313	5,221	2,544
Whips	1927	7	90	89	178	310	135	252
	1925	9	103	73	132	308	170	133
	1914	40	1,103	550	1,341	3,102	1,821	1,071
Window shades and fixtures.	1927	336	4,733	5,850	21,005	37,032	16,016	3,079
	1925	336	5,176	6,208	25,030	41,638	16,623	11,151
	1914	236	4,677	2,131	11,889	17,444	5,555	6,594
All other industries ⁴¹ .	1923	5	633	1,014	13,036	15,526	1,890	1,330
	1921	16	1,506	2,076	9,838	18,246	6,360	-----
	1914	32	6,486	4,720	64,062	76,504	12,442	11,900

¹ Because of a change in classification of some industries in this group for 1927 the figures for previous years have been revised to preserve comparability.

² No data were compiled for 1925 except for San Francisco, Calif.

³ "Foods, prepared, for animals and fowls," prior to 1927 was treated as a subclassification under "Food preparations, not elsewhere classified." Because of the transfer to this industry for 1927 of a certain class of establishments formerly classified under "Flour and other grain-mill products" the figures for earlier years are not comparable with those for 1927.

⁴ "Lard substitutes and cooking fats" was treated as a subclassification under "Food preparations, not elsewhere classified," prior to 1927. The figures for 1927 are not comparable with those for earlier years because of transfer for 1927 to this industry classification of data for those establishments manufacturing, primarily, vegetable cooking oils, which data were to a large extent formerly included in those for "Oils, not elsewhere classified."

⁵ For censuses prior to 1927 this industry was treated as a subclassification under "Food preparations, not elsewhere classified," but for 1927 it was treated as a separate industry.

⁶ For censuses prior to 1927 this industry covered the manufacture of cereal preparations; prepared feeds for animals and fowls; lard substitutes; macaroni, spaghetti, etc.; and the treating of nuts (except peanuts). For 1927 separate industry classifications designate establishments engaged primarily in these activities, and accordingly the figures for prior years for the "Food preparations, not elsewhere classified," industry have been revised.

⁷ For 1927 included in "Peanuts, walnuts, and other nuts, processed."

⁸ Prior to 1927 part of the establishments now in this industry were classified in the "Food preparations, not elsewhere classified," industry and part in the "Peanuts, grading, roasting, cleaning, and shelling" industry, which has been abandoned.

⁹ For 1914 reported as "Mineral and soda waters."

¹⁰ The manufacture of asbestos textiles prior to 1925 treated as an industry in this group is now classified as a branch of the "Asbestos products, other than steam packing or pipe and boiler covering" industry, p. 802, therefore data have been excluded from statistics for textile-mill products for 1923 and earlier years.

¹¹ Because of a change in classification no comparable statistics can be given for prior years.

¹² The industry classification "Clothing, men's, youths', and boys', not elsewhere classified," for 1923, 1921, and 1914 included men's work clothing, except shirts. For 1927 and 1925 statistics for this class of wearing apparel have been shown separately as "Clothing, work (except shirts), men's."

¹³ "Gloves and mittens, cloth" treated as a part of the "Furnishing goods, men's" industry for 1914; statistics for 1914 for the latter industry are therefore not strictly comparable with those for later years.

¹⁴ "Handkerchiefs" and "Trimmings" were first treated as separate industries at the census for 1927. For prior censuses data for "Handkerchiefs" were included in part in "Furnishing goods, men's," and in part in "Millinery and lace goods," and data for "Trimmings" were included in "Millinery and lace goods."

¹⁵ Included in the classification "Millinery and lace goods," which was abandoned at the census for 1927. No comparable figures can be given for earlier years.

¹⁶ "Asphalted felt-base-floor coverings" included in "Linoleum" for 1914. Figures for "Linoleum" for 1914 are therefore not comparable with those for later years.

¹⁷ Includes "Oakum" for 1914.

¹⁸ Includes data for "Hammocks," heretofore treated as a separate industry.

¹⁹ Classified in other industries for 1927 and 1925.

²⁰ No separate statistics prior to 1927.

²¹ Combined total for paper and pulp.

- ²² Not reported separately; included with paper.
- ²³ See footnote 24.
- ²⁴ "Rayon" included in "Chemicals, not elsewhere classified," for 1923 and prior years; compressed and liquefied gases included prior to 1927.
- ²⁵ The figures for 1925 differ from those previously published because of a change in the classification in 1927 of establishments manufacturing rubber cement as their principal product from this group to the "Rubber goods, other than tires, inner tubes, and boots and shoes" industry, in the "Rubber manufactures" group. The figures for 1914 have not been revised and therefore are not strictly comparable with later years.
- ²⁶ Includes distilled liquors in 1914.
- ²⁷ At the 1921 and 1919 censuses the malt-liquor industry was confined to cereal beverages (near beer and similar soft drinks) and in 1923 and later years these were included under "Beverages." (See p. 792.)
- ²⁸ Included in "Rubber goods, other than tires, inner tubes, and boots and shoes" prior to 1921.
- ²⁹ Includes for all years "Belting and hose, rubber" formerly treated as a separate industry. For 1914 also includes, "Rubber tires and inner tubes."
- ³⁰ The figures for 1925 have been revised due to a counterbalance change in "Leather: Tanned, curried, and finished" and "Boot and shoe cut stock."
- ³¹ The figures for 1925 and 1923 have been revised due to a change in the industries making up this subclass.
- ³² The figures for 1927 and 1925 are not comparable with those for 1914 because of the inclusion in the earlier year of statistics for certain establishments manufacturing gloves of cloth and leather combined; for later years this class of establishments was included in the cloth-glove industry.
- ³³ Includes asbestos textiles, prior to 1925 classified as a separate industry.
- ³⁴ For 1914 "Millstones" are included in "All other industries," p. 813.
- ³⁵ Former title "Brick and tile, terra cotta, and fire-clay products."
- ³⁶ Included with "Steelworks and rolling mills."
- ³⁷ Similar products are manufactured to a large extent by steelworks and rolling mills. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.
- ³⁸ Included in "Foundry and machine-shop products" for 1914. (See p. 808.)
- ³⁹ Data for establishments engaged in job welding are included in the figures for 1923 but are not included for 1927 and 1925, as job-welding establishments were not canvassed for those years.
- ⁴⁰ "Tin plate and terneplate" are treated as products of the "Iron and steel, steel works and rolling mills" industry.
- ⁴¹ Classified in other industries subsequent to 1923.
- ⁴² Figures for 1927 and 1925 include data for bells, shown as a separate industry under "Manufactures of metals" in previous years.
- ⁴³ No establishments were classified in this industry at the censuses for 1927, 1925, or 1914.
- ⁴⁴ Abandoned as a separate industry classification; statistics for 1927 and 1925 included with those for "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not elsewhere classified."
- ⁴⁵ Refrigerators, mechanical, for censuses prior to 1927 included in "Electrical machinery, apparatus, and supplies" and "Foundry and machine-shop products."
- ⁴⁶ "Foundry and machine-shop products, not elsewhere classified," include for 1914: "Iron and steel, processed," "Machine tools," "Steel barrels, kegs, and drums," and "Textile machinery and parts," data for which were not specifically called for at that census. (See also footnote 45.)
- ⁴⁷ Not classified separately prior to 1919. Included in "Foundry and machine-shop products."
- ⁴⁸ For censuses prior to 1925 not separately classified; included in "Foundry and machine-shop products."
- ⁴⁹ Data for establishments engaged solely in repair work are included for 1921 and 1914 but not for 1927, 1925, and 1923. The differences between the figures for 1923, 1921, and 1914 and those published in previous reports are due to the inclusion here and the exclusion from the previous reports of data for wheelbarrows.
- ⁵⁰ The figures for 1919 do not cover the entire industry and are not, therefore, comparable with those for later years.
- ⁵¹ At the censuses for 1927 and 1925 it was possible to present statistics for every industry covered by the census classifications; but for the preceding census years it was necessary to combine the figures for certain unimportant industries in order to avoid disclosing operations of individual establishments.

Source: Bureau of the Census, Department of Commerce.

No. 798.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
BY GEOGRAPHIC DIVISIONS AND STATES

NOTE.—Data for "Coffee and spice roasting and grinding" (not tabulated for 1925) are included in the figures for 1914, 1921, 1923, and 1927. Data for "automobile repairing" (not collected since 1919) and for "Poultry killing and dressing" (not collected for 1927) are included in the division and State figures for 1914, but are excluded from the totals for that year and from all figures for later years. No data for establishments with products valued at less than \$5,000 are included in the statistics for 1921 to 1927; for 1914, such data have been excluded from the United States totals except for wages and horsepower; but are included in the United States totals for these items and in all division and State figures; Statistics for horsepower were not collected for 1921.

Division and State	Census year	Number of establishments	Wage earners (average for year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horsepower
United States.....	1927	191,806	8,349,755	10,848,803	35,133,137	62,718,347	27,585,210	38,825,681
	1925	187,224	8,381,511	10,727,338	35,896,886	62,068,260	26,771,373	35,766,944
	1923	196,182	8,776,646	11,007,851	34,683,915	60,529,574	25,845,659	33,092,222
	1921	196,098	6,944,315	8,200,369	25,291,734	43,618,566	18,326,832	-----
	1914	176,997	6,894,846	4,067,096	14,267,137	23,974,957	9,707,820	22,288,669
New England.....	1927	17,745	1,098,748	1,328,050	3,048,863	6,028,475	2,979,612	4,566,155
	1925	18,173	1,122,216	1,390,310	3,203,911	6,140,063	2,936,163	4,349,191
	1923	19,081	1,264,496	1,472,315	3,290,156	6,419,975	3,129,820	4,161,136
	1921	19,067	1,071,690	1,161,291	2,521,634	4,902,508	2,380,874	-----
	1914	25,193	1,140,233	628,409	1,657,674	2,926,675	1,269,001	3,098,836
Middle Atlantic.....	1927	62,676	2,467,791	3,491,680	10,488,832	19,533,075	9,044,243	10,968,764
	1925	58,894	2,491,035	3,434,008	10,682,119	19,409,266	8,727,086	10,106,890
	1923	66,004	2,694,015	3,595,211	11,124,014	19,788,280	8,614,265	9,627,810
	1921	67,176	2,246,089	2,770,718	8,131,944	14,587,831	6,455,888	-----
	1914	85,466	2,355,940	1,870,131	4,680,903	8,053,644	3,372,651	6,641,348
East North Central.....	1927	43,671	2,309,860	3,340,801	10,525,393	18,988,400	8,463,007	11,056,846
	1925	42,867	2,336,335	3,345,354	10,756,307	19,016,851	8,260,544	10,046,917
	1923	43,948	2,386,791	3,333,375	10,162,499	17,817,291	7,664,791	9,033,225
	1921	43,593	1,710,418	2,211,699	6,871,575	11,797,244	4,925,669	-----
	1914	59,896	1,680,281	1,072,538	3,795,039	6,642,261	2,747,222	5,391,978
West North Central.....	1927	16,192	448,192	550,698	3,170,989	4,733,112	1,562,123	2,033,074
	1925	16,181	451,008	550,974	3,192,756	4,696,380	1,503,624	1,851,114
	1923	16,535	408,646	532,901	2,834,116	4,281,956	1,447,840	1,704,192
	1921	17,247	388,857	575,054	2,861,639	3,486,107	1,123,468	-----
	1914	27,199	381,595	285,471	1,397,841	2,032,192	634,362	1,235,147
South Atlantic.....	1927	17,029	870,060	794,265	2,487,871	4,681,952	2,144,081	3,805,088
	1925	16,570	838,799	757,015	2,548,720	4,531,807	1,932,537	3,517,208
	1923	17,044	831,092	729,828	2,438,201	4,237,727	1,799,525	3,143,086
	1921	16,427	646,170	564,964	1,739,105	2,984,847	1,245,242	-----
	1914	28,925	688,252	288,068	1,008,068	1,682,999	679,931	2,286,238
East South Central.....	1927	7,637	359,542	331,280	1,925,122	1,808,818	783,696	1,787,386
	1925	8,071	355,902	322,615	1,941,046	1,807,094	765,988	1,614,946
	1923	7,500	347,150	310,919	1,857,113	1,701,581	714,448	1,461,574
	1921	7,240	259,073	225,235	1,149,033	1,091,680	449,136	-----
	1914	14,410	264,378	117,987	387,011	700,668	313,667	1,166,654
West South Central.....	1927	8,208	267,142	281,156	1,644,155	2,399,410	755,255	1,419,558
	1925	7,876	264,970	287,691	1,710,519	2,543,225	823,706	1,316,629
	1923	7,942	267,042	285,272	1,374,691	2,080,207	705,516	1,227,242
	1921	8,009	220,508	238,006	1,149,033	1,723,055	574,021	-----
	1914	12,417	211,940	116,129	526,907	802,538	275,631	964,470
Mountain.....	1927	3,919	94,957	130,304	659,600	981,091	321,490	829,256
	1925	3,844	100,353	134,507	687,992	1,045,885	357,893	757,906
	1923	3,970	103,803	143,392	609,141	955,772	346,632	714,807
	1921	4,016	82,000	118,577	396,215	616,843	220,629	-----
	1914	6,079	81,113	66,368	272,215	437,568	165,353	459,516
Pacific.....	1927	15,189	424,463	599,969	2,082,311	3,614,013	1,531,792	2,359,614
	1925	14,758	414,985	575,207	2,040,494	3,454,280	1,413,792	2,289,714
	1923	14,155	420,454	591,352	1,850,861	3,256,822	1,405,961	1,886,942
	1921	13,333	316,001	432,920	1,478,065	2,429,971	951,066	-----
	1914	16,206	285,515	178,247	647,342	1,067,889	420,548	1,093,002
New England: Maine.....	1927	1,426	68,142	74,212	208,866	372,093	163,228	628,941
	1925	1,500	78,849	79,777	205,709	371,849	166,141	600,787
	1923	1,642	83,328	91,854	217,070	402,650	185,580	570,532
	1921	1,761	75,710	83,429	192,102	339,562	147,469	-----
	1914	3,378	82,149	43,254	117,655	200,450	82,795	486,932

No. 798.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
BY GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
				In thousands of dollars				
New England—Contd.								
New Hampshire—								
	1927	1,028	65,482	72,803	182,106	327,528	145,422	876,373
	1925	1,038	66,668	71,725	192,253	327,401	135,147	870,740
	1923	1,078	75,314	79,074	185,754	333,125	147,370	852,656
	1921	1,122	67,416	67,893	139,269	246,346	107,078	-----
	1914	1,736	78,993	40,642	114,993	182,844	67,851	340,605
Vermont—								
	1927	880	26,241	32,305	69,957	134,030	64,073	172,702
	1925	961	27,503	32,326	74,387	138,270	63,882	178,806
	1923	1,021	30,783	34,095	80,776	149,652	69,176	177,212
	1921	1,101	25,787	28,068	63,689	118,904	50,216	-----
	1914	1,772	32,704	18,617	42,706	76,991	34,285	171,738
Massachusetts—								
	1927	10,037	578,068	705,930	1,678,512	3,317,852	1,039,039	2,130,533
	1925	10,027	591,438	716,156	1,773,698	3,408,672	1,631,974	2,013,017
	1923	10,519	667,172	799,363	1,835,013	3,570,545	1,735,530	1,931,737
	1921	9,994	579,071	641,361	1,441,035	2,849,414	1,408,378	-----
	1914	12,013	606,698	341,310	931,384	1,641,373	709,989	1,380,912
Rhode Island—								
	1927	1,497	120,009	138,896	313,107	592,233	279,126	410,181
	1925	1,595	120,346	138,126	345,221	621,920	276,609	376,754
	1923	1,691	134,607	152,500	358,581	675,425	316,844	391,928
	1921	1,769	112,745	119,414	277,693	517,118	239,425	-----
	1914	2,190	113,425	59,366	162,425	279,546	117,121	266,884
Connecticut—								
	1927	2,877	240,806	304,504	596,014	1,284,739	688,724	847,395
	1925	3,002	242,362	301,202	612,642	1,274,652	692,309	790,577
	1923	3,130	263,232	314,829	612,961	1,288,281	676,320	727,021
	1921	3,320	210,990	221,126	407,846	836,164	428,318	-----
	1914	4,104	226,264	125,220	288,511	545,472	256,961	452,695
Middle Atlantic:								
New York—								
	1927	36,050	1,072,284	1,605,378	4,804,173	9,400,061	4,595,889	3,671,135
	1925	38,392	1,066,198	1,533,839	4,704,751	8,968,202	4,263,512	3,348,184
	1923	38,133	1,150,839	1,581,322	4,764,027	8,959,964	4,195,938	3,263,325
	1921	38,102	1,000,399	1,303,837	3,680,851	6,972,679	3,235,829	-----
	1914	48,203	1,057,857	631,042	2,108,607	3,814,661	1,706,054	2,321,817
New Jersey—								
	1927	8,312	408,093	570,300	1,956,597	3,417,450	1,460,853	1,496,935
	1925	8,204	425,377	576,236	2,086,855	3,539,181	1,452,326	1,424,384
	1923	8,707	448,069	578,927	2,039,477	3,396,623	1,367,160	1,266,892
	1921	8,784	381,773	460,471	1,484,334	2,556,143	1,071,808	-----
	1914	9,742	373,605	211,136	883,465	1,406,633	523,163	733,706
Pennsylvania—								
	1927	17,314	987,414	1,315,993	3,728,052	6,715,563	2,987,502	5,800,634
	1925	17,298	999,400	1,324,481	3,890,514	6,901,762	3,011,248	5,373,972
	1923	19,054	1,095,087	1,434,963	4,320,510	7,381,683	3,001,178	5,107,593
	1921	20,230	863,917	1,006,856	2,960,759	5,059,009	2,098,250	-----
	1914	27,521	924,478	527,953	1,688,921	2,832,349	1,143,428	3,535,825
East North Central:								
Ohio—								
	1927	10,941	609,097	668,181	2,877,126	5,230,323	2,363,197	3,734,741
	1925	11,131	676,661	975,738	3,028,002	5,345,593	2,317,591	3,482,533
	1923	11,136	699,073	979,606	2,908,096	5,145,180	2,237,084	3,307,637
	1921	11,466	494,134	626,885	1,916,963	3,298,138	1,331,170	-----
	1914	15,668	510,435	317,924	1,020,782	1,732,808	762,026	1,985,950
Indiana—								
	1927	4,726	280,717	375,218	1,227,169	2,153,479	926,311	1,402,113
	1925	4,762	280,693	364,789	1,254,852	2,121,382	866,530	1,620,936
	1923	4,900	291,000	374,353	1,188,542	2,029,859	841,317	1,331,036
	1921	5,094	206,310	251,286	824,235	1,375,066	550,832	-----
	1914	8,022	197,503	119,258	423,857	730,795	306,938	707,622
Illinois—								
	1927	14,711	623,468	914,103	2,921,092	5,386,003	2,464,911	2,456,697
	1925	14,104	622,127	897,729	2,922,433	5,317,636	2,395,198	2,397,033
	1923	14,334	645,561	913,160	2,793,595	5,039,880	2,240,285	1,942,418
	1921	13,935	513,741	701,355	2,096,770	3,703,050	1,699,280	-----
	1914	18,388	506,943	340,910	1,340,183	2,247,323	907,140	1,264,421
Michigan—								
	1927	5,800	438,856	700,602	2,346,678	4,244,041	1,898,293	2,214,747
	1925	5,598	508,573	792,214	2,466,267	4,372,006	1,909,729	1,837,740
	1923	5,696	503,306	769,066	2,270,764	3,882,174	1,611,409	1,471,545
	1921	5,717	304,463	419,963	1,305,661	2,200,129	900,468	-----
	1914	8,724	271,060	182,252	592,801	1,086,162	493,861	726,777

MANUFACTURES BY STATES

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No. 798.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
BY GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
East North Central— Continued. Wisconsin.....	1927	7,473	247,722	322,607	1,153,328	1,073,653	820,325	1,043,228
	1925	7,262	247,341	314,883	1,084,747	1,859,244	774,406	1,009,015
	1923	7,832	247,851	297,160	1,001,502	1,720,198	718,696	929,899
	1921	7,291	191,770	214,141	727,941	1,214,861	486,920	.....
	1914	9,104	104,310	112,103	417,415	695,172	277,767	076,848
West North Central: Minnesota.....	1927	3,886	98,833	123,610	726,391	1,066,727	340,330	584,328
	1925	3,881	100,514	123,656	708,798	1,099,688	330,889	507,928
	1923	3,894	103,935	125,505	646,710	963,084	315,375	460,114
	1921	4,080	85,700	107,201	584,400	849,199	264,738	.....
	1914	5,974	92,834	58,507	336,849	498,364	156,505	358,163
Iowa.....	1927	3,061	73,602	91,247	409,940	769,841	272,401	330,702
	1925	3,210	74,258	91,517	489,901	746,330	256,429	306,188
	1923	3,381	77,339	93,700	427,374	681,080	254,306	281,533
	1921	3,472	61,463	77,789	320,083	510,034	180,951	.....
	1914	5,614	93,113	30,800	208,451	310,750	105,299	189,800
Missouri.....	1927	5,422	105,378	230,017	1,004,709	1,065,173	660,464	656,209
	1925	5,100	104,682	230,428	976,788	1,002,850	620,067	599,800
	1923	5,283	106,001	227,898	941,847	1,544,378	602,551	553,247
	1921	5,433	156,309	162,816	726,273	1,159,876	438,658	.....
	1914	8,386	152,182	89,197	388,715	637,952	249,237	389,876
North Dakota.....	1927	307	3,260	4,808	34,271	47,003	12,732	16,167
	1925	320	3,261	4,675	32,307	44,632	12,325	16,711
	1923	340	3,552	5,134	30,704	42,145	11,441	16,730
	1921	388	3,107	4,060	26,265	36,358	10,958	.....
	1914	690	3,275	2,416	14,484	21,147	6,668	13,980
South Dakota.....	1927	472	5,551	6,786	63,620	89,001	19,381	24,676
	1925	502	5,107	6,172	46,324	62,702	16,377	21,347
	1923	489	5,146	6,211	33,673	47,821	13,648	16,468
	1921	574	4,635	6,350	26,846	41,558	14,711	.....
	1914	898	3,788	2,628	17,079	24,139	7,060	16,324
Nebraska.....	1927	1,277	26,110	34,206	326,017	420,206	63,379	141,506
	1925	1,303	27,108	35,036	347,445	442,084	64,639	133,303
	1923	1,378	31,238	39,732	313,782	414,725	109,644	120,999
	1921	1,387	27,548	37,275	244,938	331,951	87,013	.....
	1914	2,492	25,144	10,893	174,114	221,616	47,602	89,288
Kansas.....	1927	1,707	45,368	59,925	518,141	681,570	163,429	279,426
	1925	1,866	46,078	58,091	531,198	698,096	166,839	275,831
	1923	1,770	50,835	64,721	440,626	580,623	149,596	265,111
	1921	1,913	44,585	58,955	423,707	556,131	132,364	.....
	1914	3,136	41,250	26,070	201,148	323,234	62,086	178,246
South Atlantic: Delaware.....	1927	440	21,324	25,222	69,033	129,900	60,867	103,166
	1925	410	20,704	25,072	70,622	125,406	54,784	107,891
	1923	463	23,110	27,369	70,736	128,951	58,216	112,485
	1921	400	17,764	19,596	50,118	86,766	36,638	.....
	1914	808	22,155	11,382	31,649	56,035	24,386	64,324
Maryland.....	1927	3,205	126,700	141,903	564,120	948,411	379,290	579,713
	1925	3,179	125,761	138,560	568,108	925,088	357,580	544,558
	1923	3,168	128,802	136,265	568,605	906,936	384,831	497,945
	1921	3,120	107,040	110,446	386,064	630,640	256,676	.....
	1914	4,707	111,585	53,792	238,072	377,749	138,777	282,199
Dist. of Columbia.....	1927	503	9,519	15,669	36,099	90,390	54,291	39,471
	1925	538	9,763	15,320	33,504	83,577	50,073	37,508
	1923	600	9,323	14,796	32,870	73,108	40,238	31,846
	1921	490	8,640	12,955	30,261	67,640	37,379	.....
	1914	514	8,877	6,069	12,239	28,078	16,739	24,745
Virginia.....	1927	2,432	114,918	110,378	346,166	671,347	325,181	563,720
	1925	2,562	112,126	105,881	314,524	589,236	274,712	441,795
	1923	2,743	111,578	104,680	304,493	548,163	245,661	431,237
	1921	2,509	85,554	85,062	268,918	464,233	185,316	.....
	1914	5,508	102,820	44,873	155,320	264,039	108,719	337,567

No. 798.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
By GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufac- ture	Horse- power
South Atlantic—Contd.								
West Virginia.....	1927	1, 313	77, 630	103, 431	252, 884	455, 217	202, 832	540, 440
	1925	1, 395	80, 700	105, 892	260, 889	470, 822	209, 941	495, 051
	1923	1, 487	85, 061	109, 937	259, 151	479, 510	220, 850	371, 090
	1921	1, 550	60, 536	78, 549	170, 876	310, 423	139, 547	.....
	1914	2, 749	71, 078	43, 784	110, 033	193, 512	83, 479	278, 219
North Carolina.....	1927	2, 984	204, 590	158, 394	500, 819	1, 154, 647	593, 827	810, 798
	1925	2, 614	182, 234	184, 237	550, 707	1, 050, 434	490, 727	800, 051
	1923	2, 670	173, 687	127, 538	516, 149	951, 911	435, 762	702, 832
	1921	2, 602	135, 893	94, 235	379, 965	665, 118	285, 153	.....
	1914	5, 507	130, 844	46, 038	109, 042	289, 412	110, 470	500, 352
South Carolina.....	1927	1, 059	108, 992	74, 478	206, 772	358, 334	151, 502	478, 245
	1925	1, 134	100, 144	67, 062	237, 227	370, 283	133, 056	423, 359
	1923	1, 180	96, 802	64, 753	221, 240	300, 446	139, 200	407, 735
	1921	1, 107	70, 251	51, 410	141, 902	236, 421	94, 519	.....
	1914	1, 885	71, 824	24, 178	91, 009	138, 891	47, 882	355, 710
Georgia.....	1927	3, 175	154, 168	108, 118	360, 262	609, 918	249, 656	595, 899
	1925	2, 876	141, 173	99, 210	399, 351	645, 852	249, 501	523, 359
	1923	3, 058	137, 476	92, 144	381, 769	604, 453	222, 684	449, 888
	1921	2, 809	98, 284	69, 916	243, 939	381, 297	137, 357	.....
	1914	4, 639	104, 461	38, 128	160, 089	253, 271	93, 182	357, 130
Florida.....	1927	1, 912	61, 219	58, 672	91, 716	218, 700	127, 076	177, 580
	1925	1, 563	66, 204	65, 780	113, 796	267, 009	153, 213	144, 161
	1923	1, 690	65, 047	52, 357	83, 188	188, 258	105, 071	138, 299
	1921	1, 720	53, 289	42, 734	67, 062	145, 821	78, 758	.....
	1914	2, 618	55, 008	24, 822	33, 816	81, 112	47, 296	99, 992
East South Central:								
Kentucky.....	1927	1, 851	74, 912	83, 859	250, 933	447, 765	197, 132	318, 755
	1925	1, 860	76, 562	84, 940	254, 993	453, 731	198, 708	257, 905
	1923	1, 965	76, 697	82, 628	242, 067	426, 669	184, 602	251, 564
	1921	2, 028	88, 808	62, 613	178, 286	302, 290	129, 004	.....
	1914	4, 184	64, 586	31, 830	114, 829	230, 249	115, 420	237, 802
Tennessee.....	1927	2, 098	114, 998	101, 198	351, 436	614, 041	262, 004	475, 243
	1925	2, 157	107, 670	95, 201	356, 811	600, 026	243, 186	447, 201
	1923	2, 304	106, 481	92, 469	333, 492	554, 581	221, 899	391, 435
	1921	2, 241	75, 295	65, 677	224, 598	372, 478	147, 880	.....
	1914	4, 775	74, 373	33, 083	123, 430	212, 071	88, 641	280, 844
Alabama.....	1927	2, 355	119, 093	105, 489	317, 403	550, 372	232, 879	779, 150
	1925	2, 349	116, 599	101, 243	325, 684	552, 824	227, 140	697, 998
	1923	1, 966	109, 620	95, 205	323, 066	541, 729	213, 063	640, 892
	1921	1, 855	82, 748	66, 747	186, 407	302, 800	116, 401	.....
	1914	3, 242	78, 717	33, 897	107, 411	178, 798	71, 386	445, 604
Mississippi.....	1927	1, 333	50, 569	40, 734	105, 559	190, 641	91, 081	214, 232
	1925	1, 705	55, 171	41, 231	103, 588	200, 463	90, 865	211, 691
	1923	1, 236	54, 352	40, 019	87, 888	178, 582	90, 693	177, 693
	1921	1, 116	42, 222	30, 197	58, 234	114, 084	55, 850	.....
	1914	2, 209	46, 702	19, 177	41, 340	70, 550	38, 210	180, 404
West South Central:								
Arkansas.....	1927	1, 140	40, 032	35, 288	103, 815	182, 751	78, 936	183, 041
	1925	1, 257	43, 977	37, 538	105, 665	195, 208	84, 643	177, 011
	1923	1, 231	44, 545	37, 770	90, 700	172, 541	81, 832	165, 154
	1921	1, 289	33, 431	27, 804	64, 677	110, 029	54, 353	.....
	1914	2, 004	41, 970	20, 752	44, 907	83, 041	39, 034	177, 106
Louisiana.....	1927	1, 624	82, 415	79, 673	427, 994	638, 361	210, 307	415, 582
	1925	1, 742	88, 058	79, 673	405, 426	710, 050	244, 624	401, 298
	1923	1, 781	94, 719	83, 031	407, 414	624, 683	217, 268	402, 938
	1921	1, 851	85, 170	76, 701	311, 589	470, 100	107, 510	.....
	1914	2, 211	77, 665	39, 544	137, 836	255, 313	97, 427	354, 765
Oklahoma.....	1927	1, 373	27, 932	35, 785	269, 418	371, 718	102, 300	185, 480
	1925	1, 274	26, 163	34, 036	298, 522	400, 292	101, 770	156, 608
	1923	1, 289	25, 444	33, 036	229, 685	314, 459	84, 774	152, 956
	1921	1, 396	22, 230	20, 514	208, 204	283, 061	79, 857	.....
	1914	2, 518	17, 448	11, 011	70, 970	102, 006	31, 036	97, 103

No. 798.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:
BY GEOGRAPHIC DIVISIONS AND STATES—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and power	Value of products	Value added by manufacture	Horse-power
West South Central— Continued. Texas	1927	4,065	116,763	130,409	842,927	1,206,580	363,653	635,455
	1925	3,603	106,772	116,354	844,906	1,237,675	392,709	572,712
	1923	3,691	102,334	111,436	646,383	978,524	331,641	506,194
	1921	3,563	88,677	103,027	569,563	841,864	272,302	466,562
	1914	5,084	74,853	44,821	253,144	361,270	103,185	335,496
Mountain: Montana	1927	565	14,242	20,915	151,792	203,503	51,712	188,390
	1925	606	14,777	21,078	146,351	205,474	59,122	166,528
	1923	679	15,943	24,540	128,702	174,874	46,172	100,510
	1921	871	11,384	16,701	49,166	80,771	31,605	100,510
	1914	939	13,704	13,001	46,744	84,446	37,702	91,671
Idaho	1927	470	13,513	18,971	47,927	86,256	38,329	89,830
	1925	487	15,782	20,098	52,857	96,642	43,785	82,497
	1923	510	16,347	22,886	43,134	87,450	44,295	73,146
	1921	485	10,783	15,183	36,057	67,067	21,010	82,497
	1914	698	8,910	7,491	14,892	28,454	13,562	50,297
Wyoming	1927	220	5,577	9,066	63,741	85,368	21,627	40,191
	1925	224	6,333	10,526	76,078	107,985	31,911	28,721
	1923	246	7,510	12,502	69,005	110,682	40,987	23,959
	1921	254	7,254	13,890	48,320	80,247	31,926	23,959
	1914	337	2,989	2,312	5,559	11,223	5,604	10,004
Colorado	1927	1,483	32,001	43,194	173,277	278,221	104,944	254,530
	1925	1,414	31,658	43,092	171,128	278,693	107,565	219,852
	1923	1,377	31,226	40,653	150,093	255,190	105,097	176,076
	1921	1,401	27,625	38,611	147,240	221,324	74,076	176,076
	1914	2,126	27,278	20,200	89,756	136,839	47,983	162,701
New Mexico	1927	200	4,653	5,421	10,056	20,188	10,127	21,467
	1925	200	4,620	5,093	6,684	19,459	9,774	18,842
	1923	180	5,450	6,484	9,954	20,422	10,408	16,893
	1921	194	4,477	4,880	6,150	13,897	7,738	16,893
	1914	368	3,776	2,605	4,430	9,320	4,890	12,468
Arizona	1927	300	8,967	12,183	77,790	117,624	39,825	100,641
	1925	294	9,127	11,506	92,271	138,781	46,511	102,127
	1923	283	9,008	12,635	80,993	123,877	42,384	123,531
	1921	269	4,774	6,809	26,495	39,110	12,615	123,531
	1914	322	6,898	6,229	39,283	64,090	24,807	64,090
Utah	1927	556	13,585	16,689	120,567	163,118	42,551	112,233
	1925	517	15,077	18,200	127,543	177,225	49,681	124,735
	1923	585	14,945	18,344	114,183	161,607	47,424	78,733
	1921	645	13,310	18,392	74,873	111,055	36,183	78,733
	1914	1,100	13,894	10,852	62,233	87,112	24,879	59,536
Nevada	1927	116	2,410	3,915	14,440	26,816	12,375	21,974
	1925	102	2,670	4,474	12,084	21,627	9,542	14,604
	1923	104	3,805	5,348	12,388	22,243	9,855	27,983
	1921	107	2,393	4,020	7,396	13,371	5,475	27,983
	1914	180	3,655	3,578	9,317	10,083	6,766	18,744
Pacific: Washington	1927	3,344	104,468	145,931	389,885	677,614	288,029	680,408
	1925	3,216	105,893	146,225	372,759	659,340	286,531	748,110
	1923	3,029	111,063	156,435	372,044	678,543	306,499	598,330
	1921	2,968	77,518	99,191	269,635	448,165	188,479	598,330
	1914	3,829	67,205	51,703	136,609	247,326	108,717	389,344
Oregon	1927	1,770	57,179	75,717	187,771	342,852	155,081	330,511
	1925	1,607	59,563	79,190	195,467	352,764	159,306	387,749
	1923	1,909	62,655	81,789	195,922	365,715	167,794	322,297
	1921	1,730	40,167	49,595	123,670	223,604	99,994	322,297
	1914	2,320	28,829	20,932	63,268	109,762	46,904	214,165
California	1927	10,066	292,816	378,321	1,504,655	2,593,247	1,088,592	1,389,095
	1925	9,935	249,529	350,792	1,474,278	2,442,183	967,905	1,135,855
	1923	9,217	240,136	355,149	1,282,895	2,214,503	931,603	971,815
	1921	8,695	198,316	284,833	1,094,710	1,768,142	665,432	971,815
	1914	10,057	139,481	105,618	447,475	712,801	265,326	489,493

Source: Bureau of the Census, Department of Commerce.

No. 799.—MANUFACTURES IN CITIES HAVING

NOTE.—All figures except number of wage earners in thousands of dollars. Data for the "Automobile but not in those for later years. Data for the "Coffee and spice roasting and grinding" industry are compiled. See also general note, p. 785

City and State	Wage earners (average for the year)				Wages (thousands of dollars)			
	1914	1923	1925	1927	1914	1923	1925	1927
Akron, Ohio.....	24,680	44,903	52,540	53,008	17,310	71,284	80,476	85,731
Albany, N. Y.....	9,371	10,542	9,609	9,378	5,635	13,823	12,383	13,030
Atlanta, Ga.....	12,585	16,005	18,208	18,583	6,004	16,116	17,043	17,074
Baltimore, Md.....	73,769	90,208	85,771	84,005	35,509	93,667	93,582	93,404
Birmingham, Ala.....	10,863	14,817	16,054	16,611	6,505	16,595	18,120	18,006
Boston, Mass.....	78,894	82,978	77,334	77,232	49,444	107,875	103,812	104,852
Bridgeport, Conn.....	30,042	33,207	28,793	28,415	16,929	37,832	34,904	36,615
Buffalo, N. Y.....	54,416	70,054	66,015	63,615	34,818	96,573	96,000	95,120
Cambridge, Mass.....	16,749	25,674	21,945	20,929	10,217	30,999	27,409	26,334
Camden, N. J.....	22,541	27,842	23,700	26,712	12,978	33,413	28,175	35,799
Chicago, Ill.....	313,710	385,685	370,041	372,061	213,737	571,725	563,635	576,150
Cincinnati, Ohio.....	50,861	65,065	63,715	62,493	33,159	78,724	80,996	79,701
Cleveland, Ohio.....	103,317	141,048	132,852	131,146	67,351	205,388	201,378	201,092
Columbus, Ohio.....	17,236	27,618	24,590	24,228	11,177	37,236	33,272	32,482
Dallas, Tex.....	5,284	8,143	9,412	9,469	3,464	9,420	11,104	10,471
Dayton, Ohio.....	24,061	29,665	29,341	30,218	14,076	41,779	43,065	44,392
Denver, Colo.....	11,062	15,629	15,077	15,054	7,942	19,942	19,971	16,468
Des Moines, Iowa.....	5,306	9,558	8,007	7,253	3,560	12,665	11,456	9,592
Detroit, Mich.....	99,608	171,025	172,742	189,649	69,447	262,741	293,896	318,066
Fall River, Mass.....	36,834	37,018	30,596	31,489	16,131	35,509	28,241	30,342
Fort Worth, Tex.....	2,308	6,249	6,968	7,410	1,542	7,558	8,492	9,079
Grand Rapids, Mich.....	17,437	24,033	25,479	24,449	10,266	32,669	36,294	35,420
Hartford, Conn.....	17,187	23,611	21,768	22,038	11,312	30,354	29,858	29,930
Houston, Tex.....	5,607	9,242	9,007	12,044	3,560	11,351	10,805	14,009
Indianapolis, Ind.....	30,971	45,818	41,805	42,186	19,042	54,304	51,394	54,969
Jersey City, N. J.....	31,021	33,204	30,607	24,932	17,651	44,736	42,496	36,340
Kansas City, Kans.....	13,095	16,294	14,137	13,599	8,179	10,400	17,575	18,397
Kansas City, Mo.....	16,262	22,956	26,576	25,486	10,504	29,118	32,884	32,147
Los Angeles, Calif.....	23,744	55,467	58,026	66,536	18,277	81,408	85,796	90,747
Louisville, Ky.....	26,930	37,620	37,672	34,306	14,196	42,145	43,956	39,822
Lowell, Mass.....	20,004	27,182	21,570	18,737	14,002	28,256	21,179	18,886
Memphis, Tenn.....	8,389	10,508	9,988	9,435	4,901	10,336	11,319	10,130
Milwaukee, Wis.....	61,839	74,590	77,432	86,550	36,270	93,424	105,123	120,806
Minneapolis, Minn.....	28,295	33,462	31,730	34,065	18,895	41,103	40,311	43,057
Nashville, Tenn.....	8,573	11,685	10,549	12,975	4,321	10,735	9,691	12,779
New Bedford, Mass.....	33,343	37,017	35,696	35,084	10,558	41,146	37,100	36,389
New Haven, Conn.....	24,998	20,108	22,803	25,096	14,462	30,048	28,464	31,136
New Orleans, La.....	17,348	21,575	22,118	22,289	8,538	18,737	20,261	21,645
New York, N. Y.....	585,279	679,005	538,845	552,507	357,497	851,186	844,648	804,040
Newark, N. J.....	63,084	70,060	66,854	62,727	30,647	89,405	89,640	89,508
Norfolk, Va.....	5,293	5,063	5,429	5,258	5,875	5,990	5,990	5,257
Oakland, Calif.....	7,706	15,027	15,537	15,939	5,966	21,096	21,054	23,273
Omaha, Nebr.....	8,922	18,142	15,403	14,780	5,810	23,195	21,648	19,044
Paterson, N. J.....	30,625	33,247	33,779	32,554	10,195	41,277	45,008	45,826
Philadelphia, Pa.....	251,286	274,319	246,680	243,068	138,249	356,438	332,415	334,811
Pittsburgh, Pa.....	69,620	70,665	65,414	61,892	45,068	110,466	94,458	89,039
Portland, Ore.....	11,278	21,534	20,077	20,318	8,542	28,244	26,736	27,214
Providence, R. I.....	44,176	45,496	41,207	42,735	24,482	62,970	49,710	50,818
Reading, Pa.....	24,131	28,712	27,247	26,383	11,885	34,775	32,748	31,712
Richmond, Va.....	17,282	18,838	18,137	19,351	8,440	18,965	17,961	19,084
Rochester, N. Y.....	44,113	58,649	52,589	56,638	26,600	77,646	73,406	80,316
St. Louis, Mo.....	85,068	113,259	105,022	109,428	51,150	135,468	130,857	134,915
St. Paul, Minn.....	19,488	22,841	23,664	21,326	12,796	29,108	30,701	28,163
Salt Lake City, Utah.....	4,931	6,224	4,898	4,700	3,801	7,509	5,876	5,065
San Antonio, Tex.....	4,083	5,681	5,440	6,363	2,412	5,335	5,307	6,385
San Francisco, Calif.....	31,758	43,638	41,720	41,909	25,289	61,376	61,040	61,134
Scranton, Pa.....	12,559	13,093	12,578	11,115	6,040	13,537	13,697	12,811
Seattle, Wash.....	12,429	17,842	19,220	20,421	9,935	25,323	27,610	29,508
Spokane, Wash.....	3,020	4,580	6,098	5,078	2,465	6,973	7,981	7,617
Springfield, Mass.....	14,240	19,089	17,693	16,782	9,350	23,095	23,189	22,012
Syracuse, N. Y.....	17,551	23,921	23,086	22,562	11,031	31,631	31,111	32,196
Toledo, Ohio.....	27,076	41,613	37,209	38,727	18,124	57,537	57,461	57,049
Trenton, N. J.....	19,828	24,045	22,322	19,905	11,134	30,913	30,135	26,887
Washington, D. C.....	8,877	9,823	9,753	9,519	6,069	14,796	15,320	15,069
Wilmington, Del.....	15,408	14,993	13,549	13,993	8,674	19,041	17,667	17,926
Worcester, Mass.....	20,452	30,449	31,142	30,294	17,633	47,244	42,330	41,268
Yonkers, N. Y.....	12,650	14,005	12,662	13,414	6,455	18,803	17,677	18,511
Youngstown, Ohio.....	15,861	20,616	19,216	18,560	12,349	35,202	33,682	31,494

1 Data not available for 1923.

IN 1920, 100,000 OR MORE INHABITANTS

repairing" and the "Poultry killing and dressing" industries have been included in the figures for 1914 not included in the figures for 1925, except San Francisco, the only city for which these statistics were

Value of products				Value added by manufacture 1			City and State
1914	1923	1925	1927	1914	1925	1927	
122,202	400,837	665,301	507,482	50,230	234,700	252,036	Akron, Ohio.
25,211	53,026	52,178	58,185	13,811	20,972	30,633	Albany, N. Y.
41,270	122,284	131,237	115,830	18,162	50,103	51,488	Atlanta, Ga.
215,172	654,256	078,884	092,575	94,639	250,504	206,656	Baltimore, Md.
43,144	89,423	100,204	100,030	17,032	40,618	48,791	Birmingham, Ala.
284,802	583,000	585,962	018,062	134,234	205,722	310,021	Boston, Mass.
85,126	148,850	140,008	158,097	40,304	80,562	87,300	Bridgeport, Conn.
247,610	590,092	076,436	019,302	80,620	214,963	240,098	Buffalo, N. Y.
67,484	185,624	105,333	155,477	25,040	89,182	90,740	Cambridge, Mass.
71,824	180,760	164,061	190,860	35,780	81,704	99,146	Camden, N. J.
1,488,408	3,323,341	3,430,103	3,478,754	581,505	1,637,010	1,688,006	Chicago, Ill.
210,800	433,460	457,539	437,054	96,753	210,310	216,342	Cincinnati, Ohio.
352,418	1,005,503	1,094,780	1,040,764	163,925	494,888	484,236	Cleveland, Ohio.
87,608	180,843	178,289	100,068	20,972	80,612	82,211	Columbus, Ohio.
31,065	92,189	112,158	98,009	11,495	42,061	37,511	Dallas, Tex.
71,071	187,934	200,101	235,160	38,117	122,839	144,537	Dayton, Ohio.
46,982	120,700	125,703	110,748	18,040	53,232	48,008	Denver, Colo.
23,747	102,019	83,024	70,108	11,472	40,218	35,558	Des Moines, Iowa.
400,348	1,438,247	1,580,340	1,730,633	178,090	609,169	778,423	Detroit, Mich.
64,003	172,396	134,455	120,324	27,502	47,790	49,638	Fall River, Mass.
9,074	75,163	100,320	109,637	4,142	24,496	26,800	Fort Worth, Tex.
40,792	130,278	145,706	135,254	25,797	81,742	80,578	Grand Rapids, Mich.
42,831	101,804	100,678	111,089	25,187	64,248	69,963	Hartford, Conn.
25,808	80,134	87,445	102,154	9,744	30,673	41,962	Houston, Tex.
136,700	346,858	344,025	345,815	48,036	141,486	145,715	Indianapolis, Ind.
104,628	313,069	340,735	270,842	52,746	180,225	111,347	Jersey City, N. J.
160,760	292,447	288,545	290,046	20,433	45,913	51,260	Kansas City, Kans.
60,963	190,074	221,349	228,072	28,072	93,833	95,572	Kansas City, Mo.
103,458	417,054	531,827	610,100	44,617	250,337	304,370	Los Angeles, Calif.
105,223	240,638	263,963	242,098	40,624	113,870	108,770	Louisville, Ky.
50,049	100,998	81,130	60,171	22,945	37,874	35,104	Lowell, Mass.
30,133	95,637	108,877	91,070	16,128	40,210	34,147	Memphis, Tenn.
228,655	514,591	511,012	627,410	98,070	260,025	206,505	Milwaukee, Wis.
137,854	338,329	338,821	348,411	59,065	117,440	130,731	Minneapolis, Minn.
33,276	83,042	79,331	91,435	13,015	31,057	40,245	Nashville, Tenn.
65,575	140,090	148,561	125,542	28,001	63,471	60,050	New Bedford, Mass.
57,784	118,925	110,506	124,034	30,435	64,003	70,115	New Haven, Conn.
69,814	135,184	158,100	151,698	29,253	61,845	61,747	New Orleans, La.
2,292,832	5,249,077	5,324,414	6,722,071	1,063,677	2,605,021	2,868,237	New York, N. Y.
210,001	448,172	400,047	482,739	97,103	236,120	244,036	Newark, N. J.
13,710	29,232	35,455	20,127	6,500	15,551	14,092	Norfolk, Va.
28,522	122,492	144,811	150,370	13,623	60,741	64,020	Oakland, Calif.
96,438	315,971	330,004	307,472	18,372	59,780	58,005	Omaha, Nebr.
78,420	194,858	200,077	207,470	37,709	94,626	105,420	Paterson, N. J.
784,590	1,998,750	1,937,415	1,801,602	333,303	887,935	880,723	Philadelphia, Pa.
246,084	610,180	518,964	608,529	96,770	224,582	220,292	Pittsburgh, Pa.
56,097	154,415	160,821	140,074	21,798	65,260	63,869	Portland, Oreg.
116,335	215,054	212,118	214,017	51,365	105,060	105,872	Providence, R. I.
53,232	134,502	132,405	121,005	21,840	64,055	60,929	Reading, Pa.
62,491	146,413	157,460	220,743	31,032	85,477	128,598	Richmond, Va.
140,007	337,362	337,548	368,111	82,167	201,041	222,808	Rochester, N. Y.
300,480	014,277	874,557	937,416	166,874	391,137	387,917	St. Louis, Mo.
98,682	180,355	194,013	160,331	32,863	86,783	77,677	St. Paul, Minn.
16,068	47,672	32,589	35,115	8,130	15,798	15,069	Salt Lake City, Utah.
17,849	34,756	38,034	45,634	7,760	15,638	20,164	San Antonio, Tex.
162,300	416,318	420,810	420,728	65,200	181,283	192,066	San Francisco, Calif.
28,722	64,160	61,282	50,704	12,023	28,080	26,735	Scranton, Pa.
04,475	165,781	189,690	167,079	20,975	69,998	78,205	Seattle, Wash.
10,030	40,562	43,150	40,170	7,182	17,030	18,071	Spokane, Wash.
44,429	104,598	105,616	103,922	22,514	63,140	57,872	Springfield, Mass.
52,164	140,146	154,029	147,963	28,413	83,019	81,632	Syracuse, N. Y.
115,040	390,375	371,120	390,115	44,565	143,476	114,901	Toledo, Ohio.
64,822	116,023	120,510	107,417	24,879	63,547	67,694	Trenton, N. J.
28,987	73,168	83,567	60,369	10,739	30,073	34,291	Washington, D. C.
39,093	80,010	70,602	81,700	17,262	34,520	37,556	Wilmington, Del.
82,829	212,043	210,401	103,802	37,035	105,066	97,371	Worcester, Mass.
97,223	144,860	120,467	107,908	15,115	36,553	32,974	Yonkers, N. Y.
92,111	272,184	236,180	207,379	23,034	66,177	63,901	Youngstown, Ohio.

Source: Bureau of the Census, Department of Commerce.

No. 800.—INDEXES OF PRODUCTION OF MANUFACTURES AND MINERALS

NOTE.—The manufactures index covers 52 industries and the minerals index 8. Both indexes have been adjusted for seasonal variations and for the number of working days in the month

[Monthly average 1923-1925=100]

Month	Manufactures							Minerals						
	1922	1923	1924	1925	1926	1927	1928	1922	1923	1924	1925	1926	1927	1928
January.....	73	100	99	106	109	105	106	76	101	102	104	92	116	103
February.....	75	100	102	106	109	107	110	87	99	104	99	95	118	102
March.....	78	103	101	106	108	110	110	97	103	98	95	104	113	103
April.....	81	107	96	104	108	109	110	93	111	92	99	107	106	105
May.....	86	106	89	103	107	112	110	53	108	93	104	104	108	105
June.....	90	106	84	102	109	109	111	58	109	93	101	106	105	101
July.....	89	103	82	104	108	108	111	66	112	92	104	107	99	100
August.....	87	101	88	102	111	107	113	62	110	92	97	102	109	106
September.....	39	101	93	104	112	106	115	82	97	97	82	110	103	107
October.....	94	98	95	108	111	103	114	81	104	96	90	114	105	114
November.....	98	97	98	109	107	99	112	84	105	96	94	118	101	113
December.....	100	97	102	111	104	99	114	90	98	99	93	119	102	112

Source: Federal Reserve Board.

No. 801.—MANUFACTURES PRODUCTION: INDEXES FOR GROUPS OF INDUSTRIES

NOTE.—These indexes cover the 52 industries totaled in Table 800. They have been adjusted for seasonal variations and for the number of working days in the month

[Monthly average 1923-1925=100]

Year and month	Total	Iron and steel	Textiles	Food products	Paper and printing	Lumber	Automobiles	Leather and shoes	Cement, brick, and glass	Non-ferrous metals	Petroleum refining	Rubber tires	Tobacco manufactures
1919.....	84	82	92	94	76	79	50	104	55	67	54	-----	82
1920.....	87	98	84	84	87	79	58	97	66	78	64	-----	87
1921.....	87	46	87	83	70	98	41	90	63	39	64	55	85
1922.....	87	82	99	94	85	39	66	102	80	69	74	77	89
1923.....	101	105	105	99	95	99	102	110	92	94	86	86	96
1924.....	94	88	91	103	99	96	90	94	95	99	96	98	99
1925.....	105	106	104	93	106	106	107	96	110	107	115	116	106
1926.....	108	113	164	97	115	100	111	98	113	112	125	119	112
1927.....	106	104	113	96	113	94	88	103	109	109	136	120	118
1928.....	111	119	107	98	117	89	113	102	120	115	162	144	124
1927													
January.....	105	103	108	96	113	97	98	99	100	115	135	118	114
February.....	107	112	108	94	113	96	100	102	107	111	134	114	115
March.....	110	115	114	100	113	92	104	98	120	109	135	122	116
April.....	109	114	113	100	114	86	104	99	109	111	134	134	123
May.....	112	116	116	103	113	96	106	100	108	110	132	127	122
June.....	109	108	120	101	113	94	93	106	109	108	134	140	115
July.....	108	105	118	96	114	95	83	112	110	107	136	119	109
August.....	107	102	118	96	112	95	89	112	114	109	136	117	118
September.....	106	98	118	91	114	98	81	111	113	106	139	114	122
October.....	103	94	113	92	112	94	71	107	109	107	142	117	120
November.....	99	89	112	93	110	95	49	99	108	106	140	122	121
December.....	99	94	106	95	112	93	57	97	106	111	137	113	114
1928													
January.....	108	107	107	103	115	92	93	99	114	100	135	124	119
February.....	110	113	108	110	116	98	101	103	117	108	139	135	120
March.....	110	114	107	105	118	94	111	102	112	108	141	134	120
April.....	110	122	101	98	118	95	108	97	111	109	147	134	120
May.....	110	116	107	96	121	98	107	96	116	111	150	133	120
June.....	111	115	108	93	118	91	117	108	123	115	153	143	125
July.....	111	124	100	89	117	94	119	112	119	113	166	149	125
August.....	113	121	107	90	117	87	133	112	126	117	160	151	129
September.....	115	128	107	95	118	82	139	110	130	117	162	169	128
October.....	114	126	112	96	116	81	122	103	122	121	160	167	126
November.....	112	120	113	102	115	85	94	97	122	126	159	155	124
December.....	114	123	111	104	114	87	103	92	130	128	159	143	127

Source: Federal Reserve Board.

No. 802.—TEXTILE MANUFACTURES: PRODUCTION

NOTE.—In general, most of the articles listed are finished products, but large quantities of partly finished products, especially yarn, made for sale to other establishments of the same or other branches of the textile industry are included. This involves considerable duplication in total value of products and in cost of material. The products listed under each branch of the textile industry represent only the output of concerns classified as engaged primarily in that branch. Certain quantities, usually small, of some of the products are also made in establishments classed under other branches. In 1927, these amounts were as follows: Cotton goods, \$10,262,230 (not including cordage and twine mills); cotton-lace goods, \$695,816; other knit goods, \$729,950; silk goods, \$7,121,056; woolen and worsted goods, \$14,145,016 felt goods, \$907,072; wool-felt hats, \$640,164; carpets and rugs, \$71,951; cordage and twine and jute and linen goods, \$12,572,428; fur-felt hats, \$862,462; oilcloth, \$1,261,824; artificial leather, \$621,924

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
COTTON-GOODS AND SMALL-WARES INDUSTRIES							
All products, total value.....					688,094	1,789,043	1,632,221
Shootings.....	Sq. yard.....	2,665,627	1,638,169	1,857,476	133,332	180,357	167,888
Print cloth.....	do.....		1,160,374	1,583,861		98,453	109,826
Voiles.....	do.....		124,479	151,654		14,438	15,012
Lawns, mainsooks, cambrics, and similar muslins.....	do.....	1,153,242	320,087	272,454	60,218	43,323	32,101
Tobacco, cheese, butter, bunting, and bandage cloths.....	do.....		451,033	660,424		16,269	19,298
Ginghams.....	do.....	480,661	350,476	200,619		36,706	57,591	37,129
Shirtings.....	do.....	185,326	455,397	378,530	15,948	75,757	55,437
Drills.....	do.....	280,970	280,115	347,776	21,257	42,389	40,669
Twills and saloons.....	do.....	392,109	632,831	413,907	32,802	84,133	50,336
Ticks and denims.....	do.....	229,830	228,854	313,401	24,948	56,397	60,150
Osnaburgs.....	do.....	(1)	118,069	164,976	(1)	18,449	17,900
Cotton flannel (canton flannel, flannelottes, and blanketings).....	do.....	263,862	340,416	400,067	24,352	53,607	55,386
Tire duck.....	do.....	251,308	40,762	35,474	49,179	16,629	11,343
Ducks (except tire).....	do.....		193,334	218,505		53,827	67,629
Tire fabrics (except tire duck).....	do.....		(1)	201,865		190,457	38,997	69,681
Tapestries.....	do.....	10,138	15,737	18,619	5,412	17,390	16,612
Pile fabrics:							
Plushes, velvets, velvet- ons, etc.....	do.....	29,129	33,478	42,689	8,540	40,679	45,710
Corduroys.....	do.....		21,593	23,171		9,553	8,677
Turkish towels and tow- eling.....	do.....		50,603	169,997		18,253	42,611
Towels, etc. (except pile fabrics).....	do.....	75,790	75,903	169,997	9,805	19,897	
Cotton table damask.....	do.....	(1)	53,468	33,523	(1)	3,384	6,751
Blankets.....	do.....	(1)	92,077	107,283	(1)	29,548	29,452
Bedspreads and quilts (crochet, maroclines, and satin).....	do.....	(1)	52,637	71,283	(1)	16,703	18,960
Bags made from fabric woven by establishment.....	do.....	129,857	12,694	17,558	9,706	12,665	3,271
Small wares:							
Yarns for sale.....	Pound.....	497,987	628,170	664,745	4,627	67,127	61,809
Thread.....	do.....	20,507	34,167	29,992	127,364	313,907	263,802
Batting, wadding, and mattress felts.....	do.....	(1)	90,681	129,336	22,917	53,294	46,409
Cotton waste for sale.....	do.....	817,300	410,004	485,308	(1)	14,134	16,304
All other products.....					14,422	40,824	26,842
					86,109	231,294	254,987
COTTON-LACE INDUSTRY							
All products, total value.....					13,207	30,843	27,329
Nottingham lace curtains.....	Pair.....	5,591	4,560	5,061	4,679	10,277	10,798
Nottingham lace curtain nets.....	Lln. yard.....	7,505	28,612	19,197	1,258	8,823	5,518
Lovers laces.....	Sq. yard.....	7,237	8,982	(4)	3,681	6,548	6,263
All other products.....					3,589	5,195	4,719

¹ Not reported separately.

² Includes "All other terry weaves."

³ Includes bags and bagging.

⁴ Not strictly comparable with 1925 and 1927 because of changes in classification of certain products.

⁵ Data not available.

No. 802.—TEXTILE MANUFACTURES: PRODUCTION—Continued

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
KNIT GOODS							
All products, total value					258, 913	809, 960	816, 620
Hose	Doz. pair	44, 186	59, 597	110, 000	63, 145	302, 219	453, 598
Half hose	do.	30, 978	40, 180		34, 054	101, 046	
Sueded cotton gloves	do.	70	28	28	744	850	
Gloves and mittens (except sueded)	do.	2, 470	1, 231	1, 022	10, 520	8, 340	6, 987
Shirts and drawers	Dozen	21, 759	11, 262	8, 492	57, 523	60, 845	38, 961
Union suits	do.	6 273	11, 500	9, 786	26, 596	99, 215	83, 685
Bathing suits	do.	274	695	740	2, 034	16, 322	15, 857
Scarfs and shawls	do.	63	492	188	714	4, 061	2, 215
Headwear	do.	987	805	700	3, 456	4, 511	3, 877
Neckties	do.	(^o)	2, 705	1, 810	(^o)	8, 961	5, 853
Jersey cloth and tricoretto	Sq. yard	10, 694	42, 172	44, 404	4, 379	36, 451	37, 697
Stockinette	do.					2, 168	957
Glove and shoe linings	do.	6, 222			670	4, 732	4, 773
Towels and towellings	do.	(¹)	976	920	(¹)	681	659
Cotton yarns for sale	Pound	17, 053	8, 098	6, 169	3, 990	3, 639	1, 891
Cotton waste for sale	do.	12, 909	12, 309	15, 299	629	1, 321	1, 013
All other products					41, 803	153, 584	158, 252
SILK GOODS							
All products, total value					264, 011	808, 979	750, 124
Broad silk:							
All silk	Sq. yard	7142, 713	384, 726	385, 530	96, 690	426, 000	376, 019
Silk mixed	do.	773, 320	98, 391	127, 290	41, 030	103, 121	108, 696
Velvets	do.	716, 318	6, 078	5, 484	8, 570	14, 525	11, 909
Flushes	do.	79, 115	925	1, 310	10, 136	2, 352	2, 748
Upholstery and tapestry	do.	7478	2, 075	3, 705	840	5, 037	8, 303
Organzine, tram, and crêpe twist for sale	Pound	4, 070	9, 660	11, 409	16, 024	66, 478	70, 247
Spun silk for sale	do.	1, 607	4, 692	4, 456	4, 577	20, 364	15, 696
Machine twist	do.	660	800	723	4, 037	8, 971	6, 474
Sewing, embroidery, and other floss silks	do.	992	764	659	5, 045	6, 020	5, 768
Ribbons					38, 201	52, 061	36, 041
Laces, embroideries, nets, veils, veillings, etc.					1, 329	1, 326	570
Fringes and gimps					1, 025	6, 794	7, 508
Braids and binding					3, 073	14, 513	11, 285
All other products					22, 834	81, 417	87, 060
WOOLEN AND WORSTED GOODS							
All products, total value					379, 484	667, 790	817, 978
Suitings, dress goods, overcoatings, and cloakings¹	Sq. yard	455, 044	480, 923	414, 349	238, 310	566, 802	456, 453
All-wool woolen	do.	90, 950	153, 323	136, 664	55, 660	108, 064	167, 484
All-wool worsted	do.	222, 421	179, 163	173, 754	141, 778	275, 617	231, 998
Wool and cotton mixed	do.	31, 400	26, 124	30, 433	11, 711	25, 943	20, 844
Cotton-warp woolen	do.	53, 510	60, 935	46, 609	13, 598	40, 029	24, 785
Cotton-warp worsted	do.	56, 763	41, 379	20, 889	15, 663	25, 749	14, 342
Flannels for underwear (all wool)	do.	2, 176	672	(^o)	880	299	(^o)
Flannels for underwear (cotton mixed)	do.	4, 996	999	(^o)	1, 090	640	(^o)
Domestic flannels and shirts	do.	16, 092	7, 206	8, 413	2, 814	3, 440	3, 627
Satinets and linseys	do.	8, 415	11, 877	3, 974	1, 535	4, 244	1, 282
Blankets, all-wool	do.	6, 490	11, 084	17, 265	4, 187	10, 989	12, 559
Horse blankets	do.	8, 165	1, 410	1, 069	2, 018	787	631
Yarns for sale	Pound	132, 500	151, 000	145, 728	85, 872	210, 692	183, 430
Noils and wool waste for sale	do.	50, 395	42, 591	48, 419	10, 140	17, 887	18, 491
All other products					32, 638	142, 502	138, 705

¹ Not reported separately.

^o Data not available.

¹ Included in "All other products."

² Linear yards. Comparable figures in square yards not available.

³ Exclusive of embroideries, which are included in "All other products."

⁴ Includes data only for the five classes specified below. Data for other suitings such as mohair, mohair and cotton mixed, woolen-worsted, etc., are included in figures for "all other products."

No. 802.—TEXTILE MANUFACTURES: PRODUCTION—Continued

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
FELT GOODS							
All products, total value					13,693	43,776	41,895
Felt cloths.....	Pound		6,391	6,401	797	15,821	15,009
Trimming and lining felts, skirts and skirtings.....	do.		2,600	3,708	1,321	2,088	3,122
Boot and shoe linings.....	do.		1,163	1,723	1,513	967	1,165
Hair felting.....	do.		31,058	31,095	685	5,200	6,075
All other felts.....					8,829	16,516	13,644
All other products.....					508	3,185	2,880
HATS, WOOL-FELT							
All products, total value					1,944	6,949	9,382
Hats.....	Dozen	381	373	386	1,777	6,340	6,528
Hat bodies and hats in the rough.....	do.	6	185	370	13	1,347	2,734
All other products.....					154	1,261	1,120
CARPETS AND RUGS							
All products, total value					69,128	187,779	166,898
Carpets.....	Sq. yard	17,811	21,859	16,872	15,187	40,024	40,778
Rugs, made of sewed strips.....	do.	20,855	14,264	9,340	25,946	53,628	35,106
Rugs, woven whole.....	do.	28,174	35,977	40,981	23,551	79,233	87,333
All other products.....					4,444	5,894	3,671
WOOL SHODDY							
All products, total value					7,707	21,022	12,597
Recovered wool fiber.....	Pound	43,156	67,543	40,823	5,977	19,057	10,710
All other products.....					1,730	1,965	1,887
CORDAGE AND TWINE AND JUTE AND LINEN GOODS							
All products, total value					83,235	139,123	122,736
Rope, cable, and cordage:							
Manila hemp.....	Pound	104,000	101,006	105,614	12,860	21,791	22,607
Sisal.....	do.	39,899	43,094	30,712	2,991	6,469	4,439
Hennequin.....	do.	13,534	5,223	12,992	1,042	778	1,840
Cotton.....	do.	13,244	20,316	22,931	2,540	7,317	6,471
All other.....	do.	26,815	58,033	58,929	2,007	9,061	3,154
Twine, binder.....	do.	302,287	233,061	109,795	24,095	29,249	19,457
Twine, cotton.....	do.	17,027	28,643	35,928	3,472	10,816	10,599
Twine, other.....	do.	87,322	56,591	74,065	10,525	11,000	12,813
Yarns for sale.....	do.	75,875	97,025	88,330	3,320	19,887	15,707
Linen thread.....	do.	5,708	2,815	2,620	3,409	4,614	4,070
Linen woven goods.....	Sq. yard	10,800	7,847	10,800	1,786	2,934	3,099
Jute bagging.....	do.	131,828	40,871	49,072	6,441	4,483	4,633
All other products.....					3,677	10,724	8,388
HATS, FUR-FELT							
All products, total value					37,350	80,066	99,300
Hats.....	Dozen	2,119	1,733	2,052	33,604	62,224	73,333
Hat bodies and hats in the rough.....	do.	329	953	1,176	2,373	14,401	18,871
All other products.....					1,373	3,441	7,096
FLOOR COVERING AND ARTIFICIAL LEATHER¹⁰							
All products, total value						136,307	133,239
Oilcloth (cotton back).....	Sq. yard		81,020	105,284		18,822	18,763
Linoleum (jute back).....	do.		52,830	56,677		44,513	46,213
Floor covering (felt back) ¹¹	do.		77,889	111,793		30,020	34,900
Artificial leather ¹¹	do.		68,580	59,673		35,790	28,544
All other products.....						7,183	4,819

¹⁰ Comparable figures for 1914 not available.

¹¹ "Artificial leather" and "Asphalted felt-base floor covering" were given separate classifications for the first time at the census of 1923.

Source: Bureau of the Census, Department of Commerce.

No. 803.—CHEMICALS: PRODUCTS MADE FOR SALE

NOTE.—The table includes products made in all industries, sometimes as by-products. In addition to quantities shown in the table, made for sale, large quantities of certain chemicals, especially acids, are made and consumed in further processes in the same establishment. There is considerable duplication in the total value of products due to the use of products sold by one establishment as materials for other establishments manufacturing chemicals. Tons are of 2,000 pounds

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
Total value					200, 196	636, 972	655, 319
Acids:							
Acetic.....	Pound	70, 618	65, 592	76, 432	1, 272	4, 438	5, 524
Boric (boracic).....	do	8, 584	15, 605	21, 010	589	1, 202	1, 583
Carbonic.....	do	50, 446	59, 721	70, 407	2, 321	5, 128	6, 001
Citric.....	do	2, 658	7, 598	7, 058	1, 616	3, 470	3, 151
Hydrochloric (muriatic).....	Ton	85	155	162	1, 349	2, 976	3, 016
Mixed (sulphuric-nitric).....	do	43	61	61	2, 204	3, 707	3, 821
Nitric.....	do	15	27	29	1, 692	3, 590	3, 559
Oleic.....	Pound	21, 983	53, 276	55, 686	1, 801	5, 171	4, 778
Phosphoric.....	do	12, 420	21, 330	22, 397	690	1, 489	1, 692
Stearic.....	do	14, 351	26, 877	37, 277	1, 243	3, 578	3, 832
Sulphuric (basis 50° B).....	Ton	2, 338	4, 700	4, 972	15, 395	35, 230	42, 886
Sulphuric reclaimed (50° B for 1925 and 1927).....	do	136	210	191	519	1, 479	1, 089
Other acids.....	do				2, 856	4, 955	7, 257
Alums	Ton	157	307	341	3, 408	8, 735	9, 525
Aluminous abrasives.....	do	(¹)	16	20	(¹)	1, 789	1, 970
Other aluminum compounds.....	do				(¹)	1, 057	2, 068
Bleaching compounds:							
Chlorine.....	Pound	12, 217	104, 960	180, 163	473	4, 236	6, 678
Hypochlorites (calcium, sodium).....	Ton	155	131	135	2, 615	5, 842	5, 589
Peroxide bleaches.....	do	32, 805	34, 696	30, 305	1, 303	3, 341	3, 079
Sulphur bleaches.....	do				610	3, 748	3, 629
Coal-tar products:							
Crudes.....							
Intermediates.....					8, 065	25, 403	24, 862
Dyes and other finished products.....						25, 324	22, 844
Gases, compressed and liquefied:							
Nitrogen compounds:							
Ammonia (aque).....	Pound	35, 544	66, 228	46, 225	1, 412	3, 027	1, 260
Ammonia (anhydrous).....	do	16, 660	31, 725	45, 233	3, 141	6, 772	4, 011
Ammonium chloride.....	do	11, 512	(¹)	(¹)	641	(¹)	(¹)
Other ammonium compounds.....	do				472	5, 268	6, 325
Ferric ferrocyanide.....	Pound	(¹)	4, 971	4, 104	2, 399	1, 620	1, 365
Other cyanides.....	do					5, 044	4, 946
Other nitrogen compounds.....	do				1, 805	7, 927	8, 178
From coke-oven operations not included in total value (Bureau of Mines)—							
Ammonium sulphate.....	do	(¹)	986, 179	1, 225, 625	(¹)	22, 465	23, 905
Liquor (NH ₃ equivalent).....	do	(¹)	47, 129	49, 011	(¹)	4, 386	2, 335
Plastics:							
Pyroxylin, including collodion.....	Pound	(¹)	47, 005	16, 298	3, 778	27, 878	14, 410
Finished articles of pyroxylin.....	do					10, 984	6, 801
Rubber substitutes.....	do						
Artificial silk, viscra, cellophane, etc.....	do						
Other plastics.....	do				4, 591	(¹)	(¹)
Potassium compounds:							
Bitartrate (cream of tartar).....	Pound	12, 696	7, 073	7, 505	3, 125	1, 472	1, 747
Iodide.....	do	(¹)	495	528	1, 821	1, 897	1, 897
Other.....	do				4, 731	2, 778	5, 603
Sodium compounds:							
Bichromate and chromate.....	Ton	12	28	31	1, 125	3, 527	3, 780
Biborate (borax).....	do	27	50	65	2, 072	4, 063	5, 079
Carbonates—							
Soda ash.....	do	935	1, 369	1, 466	10, 938	32, 244	29, 939
Sal soda (crystals).....	do	107	64	55	1, 510	1, 332	1, 371
Bicarbonate.....	do	90	123	121	1, 439	5, 652	3, 647
Modified sodas.....	do	(¹)	47	54	(¹)	1, 551	1, 826
Hydroxide (caustic).....	do	292	487	501	9, 105	27, 392	29, 193
Repacked caustic.....	do	(¹)	27	31	(¹)	4, 416	4, 123
Phosphates.....	do	15	80	97	853	5, 755	6, 985
Silicate.....	do	169	395	505	1, 649	5, 717	6, 626

¹ Not including value of rayon for 1925 and 1927 nor value of compressed and liquefied gases for 1927. (See footnote 3.)

² No data.

³ Treated as a separate industry; for gases compressed and liquified, 1927, see Table 805.

⁴ Included in other ammonium compounds.

⁵ Data for pyroxylin solutions and thinners excluded for 1927 in this table but included under "Paint and Varnish" in Table 805.

No. 803.—CHEMICALS: PRODUCTS MADE FOR SALE—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
Sodium compounds—Continued.							
Sulphates—							
Salt cake.....	Ton.....	90	141	175	842	2,339	2,787
Glauber's salt.....	do.....	35	68	54	428	1,265	1,082
Thiosulphate (hypo).....	do.....	(?)	25	23	(?)	1,051	938
Other.....	do.....	(?)	104	123	(?)	1,520	744
Sulphide.....	do.....	20	24	38	517	1,203	1,092
Other.....					2,148	13,468	13,806
Miscellaneous:							
Acetone.....	Pound.....	10,426			1,100		
Barium compounds.....					361	1,498	1,607
Bismuth compounds.....					(?)	1,216	938
Calcium—							
Acetate.....	Ton.....	82	73	69	2,189	2,437	4,021
Arsenate.....	Pound.....	(?)	15,199	27,282	(?)	1,075	1,065
Carbide.....	Ton.....	(?)	128	202	(?)	6,590	9,308
Chloride.....	do.....	45	171	191	342	3,719	4,448
Hypochlorite.....	do.....	(?)	115	111	(?)	3,967	4,148
Phosphate.....	do.....	12	36	34	1,299	4,455	4,014
Other.....					(?)	3,893	2,058
Carbon bisulphide.....	Pound.....	(?)	39,875	44,072	(?)	1,384	2,160
Cobalt compounds and alloys							
Copper sulphate (blue vitriol).....	Pound.....	37,152	32,297	56,667	1,509	1,684	2,774
Ethyl acetate.....	Gallon.....	(?)	2,907	4,907	(?)	2,407	3,701
Ferro-alloys (not blastfurnace).....	Ton.....	(?)	150	197	(?)	15,255	17,049
Formaldehyde.....	Pound.....	8,426	21,972	26,447	655	1,891	2,432
Glycerin (glycerol) refined.....	do.....	59,810	94,303	89,585	10,779	16,991	19,185
Iron sulphate (copperas).....	Ton.....	46	53	62	353	903	673
Lead arsenate.....	Pound.....	8,042	11,038	21,528	512	1,778	3,190
Silver nitrate.....	Ounce.....	(?)	4,389	4,897	846	2,028	1,957
Sulphur, refined.....	Ton.....	31	47	44	1,141	2,121	1,799
Tin—							
Oxide.....	Pound.....		4,788			2,905	
Chloride.....	do.....	8,201	12,599		2,029	3,832	10,588
Other.....	do.....					47	
Vanillin.....	do.....	121	215	300	526	1,134	1,923
Zinc chloride.....	do.....		58,947	58,268	7,131	1,993	1,921
All other products.....					69,391	132,784	169,274
Intergroup duplications.....					\$ 13,269	\$ 49,898	\$ 21,858

¹ No data.

² Includes other silver salts.

³ Includes other zinc compounds.

⁴ Because of intergroup duplication the sum of the various products exceeds the total value of all products by this amount. For example, nitric acid is shown under "Acids" and is also included under "Other nitrogen compounds," likewise calcium hypochlorite is included in "Hypochlorites" under "Bleaching compounds" and is shown under "Calcium compounds."

No. 804.—NATURAL DYESTUFFS AND TANNING MATERIALS: PRODUCTION ¹

Product	Quantity (thousands of pounds)			Value (thousands of dollars)			
	1914	1925	1927	1914	1925	1927	
All products, total value.....				21,383	38,278	37,199	
Natural dyestuffs:							
Extracts.....	40,770	23,402	26,500	1,739	1,971	2,049	
Ground, chipped, or dry.....	(?)	1,226	921	124	44	20	
Tanning extracts:							
Oak and chestnut.....	328,198	303,089	319,155	4,130	5,863	5,671	
Hemlock.....	18,978	3,022	6,596	349	284	210	
Sumac.....	4,612	4,212	5,526	130	261	277	
Quebracho.....		82,385	124,557		2,395	3,010	
Other.....	109,697			2,945	2,040	1,854	
Other tanning materials.....				354	409	409	
Mordants.....							
				392	985	959	
Sizes:							
Dextrin.....	18,914	50,350	31,917	706	3,336	2,093	
Rosin.....	20,717	140,859	157,691	373	5,498	5,869	
Gum, other than rosin.....	3,832	44,358	10,042	205	2,279	620	
Starches, glue, and other.....	(?)	28,422	30,980	1,799	1,592	2,405	
Turkey red oil.....	11,682	14,338	15,580	820	1,552	1,560	
Softeners and other assistants.....				717	3,224	3,622	
All other products.....				6,639	5,055	6,264	

¹ Products made in all industries, sometimes as by-products, are included.

² No data.

Source of Tables 803 and 804: Bureau of the Census, Department of Commerce.

**No. 805.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES:
CENSUS STATISTICS OF PRODUCTS**

NOTE.—Only major products of a fairly sharply defined character, and in general only those for which quantitative data are available are shown. See also chemicals (Table 803), petroleum refining (Table 778), manufactured gas (Table 767), etc. Semifinished products made for consumption in the same establishment are not included, except where otherwise stated, but there is some duplication in total value of products in certain branches, due to the use of such products as materials by other establishments in the same industry. Data include, except where otherwise stated, not only products of the major industry specified but also similar products made in other industries. Tons are of 2,000 pounds

Industry and product	Quantity (thousands of unit specified)			Value (thousands of dollars)			
	Unit	1914	1925	1927	1914	1925	1927
BONE BLACK, CARBON BLACK, AND LAMBLACK							
All products, total value.....					2, 972	17, 180	16, 360
Bone black.....	Pound..	44, 509	04, 135	59, 359	1, 632	2, 540	2, 524
Carbon black.....	do.....	22, 869	177, 417	108, 429	918	9, 640	10, 955
Lamblack.....	do.....	(¹)	12, 082	8, 800	504	1, 435	1, 040
All other products.....					18	3, 574	4, 850
FERTILIZERS							
All products, total value.....					169, 018	214, 809	198, 923
Fertilizers.....	Ton.....	8, 432	8, 167	8, 027	153, 261	192, 112	170, 401
Complete and ammoniated fertilizers.....	do.....	5, 612	5, 058	5, 163	121, 677	146, 006	180, 310
Superphosphates for sale.....	do.....	1, 693	2, 030	2, 435	14, 779	35, 180	30, 003
Concentrated phosphates for sale.....	do.....	68					
Other fertilizers.....	do.....	1, 059	400	429	15, 438	10, 327	10, 148
Sulphuric acid (basis 50%), total ²	do.....	1, 406	2, 008	2, 045			
Made for sale.....	do.....	129	638	775	769	4, 812	6, 158
Fish scrap.....	do.....	63	72	99	1, 916	2, 928	3, 349
All other products.....					13, 072	14, 957	18, 955
ICE, MANUFACTURED							
All products, total value.....					67, 320	189, 267	190, 556
Ice:							
Ice industry.....	Ton.....	18, 325	38, 813	39, 058	55, 258	180, 782	178, 039
Can ice.....	do.....	17, 146	38, 229	38, 864	52, 159	178, 157	177, 705
Plate ice.....	do.....	1, 179	585	193	3, 108	2, 623	874
Other industries.....	do.....	2, 718	1, 350	1, 229	6, 934	6, 288	5, 761
All other products, etc.....					5, 123	6, 187	6, 150
PAINT AND VARNISH							
All products, total value.....					149, 173	511, 760	558, 947
Colors (pigments).....	Pound..	459, 052	1, 687, 137	1, 773, 880	17, 450	103, 683	105, 766
Paints in paste form.....	do.....	420, 012	434, 583	408, 722	29, 038	55, 707	49, 554
Ready mixed paints.....	Gallon..	41, 043	87, 040	94, 071	41, 691	158, 376	165, 604
Water paints and kalsomine, dry or in paste.....	Pound..	61, 904	110, 618	122, 456	2, 055	4, 636	6, 321
Varnishes, japans, and lacquer, including enamels.....	Gallon..	37, 412	88, 692	100, 452	32, 282	136, 491	170, 579
Fillers:							
Liquid.....	do.....	966	722	566	670	922	722
Paste and dry.....	Pound..	49, 588	42, 004	41, 486	1, 319	2, 304	2, 100
Putty.....	do.....	69, 828	101, 200	102, 703	1, 350	3, 026	4, 255
Bleached shellac.....	do.....	8, 655	11, 136	10, 611	1, 807	5, 991	5, 015
Other products.....					21, 641	39, 727	48, 972
SOAP							
All products, total value.....					135, 304	283, 728	293, 353
Hard soaps.....	Pound..	1, 696, 484	2, 100, 133	2, 219, 228	104, 405	191, 384	191, 458
Toilet soaps.....	do.....	169, 926	272, 207	287, 696		40, 387	58, 573
Soap chips.....	do.....	97, 746	325, 043	373, 216		30, 264	39, 422
Laundry and foots soap.....	do.....	1, 428, 812	1, 444, 018	1, 562, 183		98, 247	93, 092
All other hard soaps.....	do.....		67, 865	66, 133		7, 466	6, 371
Powdered soaps.....	do.....		142, 322	173, 030	(¹)	15, 790	18, 130
Soap powders, cleaners, cleansing, scouring, and washing powders.....	do.....	367, 744	547, 986	526, 453		25, 658	26, 910
Soft soap.....	do.....	57, 002	61, 180	50, 014	1, 697	2, 514	4, 231
Liquid soap.....	do.....	(¹)	22, 047	24, 934	(¹)	2, 122	3, 241
Special soap articles ¹	do.....	(¹)	52, 836	63, 708	833	3, 982	4, 902
Glycerin (for sale).....	do.....						
Crude.....	do.....	12, 745	25, 842		1, 818	3, 818	
Refined.....	do.....	82, 674	72, 597		5, 776	13, 092	
Perfumes and toilet preparations ²					6, 805		44, 408
All other products.....					13, 910	24, 518	

¹ Data not available. ² Includes only output of industry specified above.

No. 805.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES:
CENSUS STATISTICS OF PRODUCTS—Continued

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
COMPRESSED AND LIQUEFIED GASES							
All products, total value.....							
Acetylene.....	Cu. ft.....	121, 086	525, 746	682, 481	\$ 10, 415	\$ 55, 532	62, 344
Hydrogen.....	do.....	1, 669	150, 502	103, 714	2, 318	13, 515	16, 190
Oxygen.....	do.....	104, 714	2, 073, 826	2, 359, 896	17	877	742
Nitrous oxide (laughing gas).....	Gallon.....	17, 838	54, 882	60, 892	1, 829	22, 577	23, 987
Other gases.....					213	729	810
All other products.....					6, 038	17, 834	20, 120
					(¹)	(¹)	480

¹ Excludes "All other products."

⁴ Separate data not available.

No. 806.—LEATHER: PRODUCTION BY PRINCIPAL KINDS

NOTE.—For value of products of the tanning industry see Table 797, p. 801

Kind	1914	1923	1924	1925	1926	1927	1928
Sole leather, cattle, 1,000 heels, bands, sides.....	18, 008	18, 732	14, 640	14, 879	13, 615	15, 829	16, 138
Belting leather, 1,000 butts and butt bands.....	974	1, 471	1, 231	809	809	929	847
Harness leather, 1,000 sides.....	2, 944	1, 555	1, 209	1, 288	1, 169	1, 010	813
Bag case and strap leather, do.....	1, 005	1, 200	1, 056	1, 175	1, 183	1, 105	812
Upholstery leather: ¹							
Whole-hide grains, 1,000 hides.....	654	490	466	468	405	354	321
Machino buffed, do.....	(²)	253	182	163	196	148	149
Whole hide splits, 1,000 pieces.....	1, 105	1, 230	917	832	807	938	709
Upper leather (other than patent): ¹							
Cattle (including kip side), 1,000 sides.....	8, 258	18, 571	14, 329	15, 338	15, 476	13, 459	11, 485
Calf and kip, 1,000 skins.....	15, 869	18, 004	15, 981	13, 621	14, 943	16, 150	14, 975
Goat and kid, do.....	29, 875	46, 537	34, 941	40, 587	48, 415	49, 417	52, 862
Cabretta, do.....	(²)	2, 090	2, 980	2, 412	2, 844	1, 551	2, 064
Sheep and lamb, do.....	16, 795	19, 271	18, 148	14, 124	13, 973	14, 849	16, 952
Patent leather (other than upholstery): ¹							
Cattle (including kip side), 1,000 sides.....	1, 791	5, 956	8, 854	8, 628	7, 459	8, 398	7, 831
Horse and colt, 1,000 half fronts.....	1, 259	1, 080	802	684	610	416	425
Goat and kid, 1,000 skins.....	3, 615	440	805	991	504	430	734
Glove and garment leathers: ¹							
Horse, colt, ass, and mule—							
Half fronts, thousands.....	614	930	1, 000	1, 146	1, 009	1, 459	1, 500
Blanks, do.....		1, 019	1, 106	1, 011	1, 143	1, 154	1, 301
Cabretta, 1,000 skins.....	(²)	1, 428	1, 197	1, 078	2, 071	1, 820	1, 014
Sheep and lamb, do.....	3, 012	7, 789	5, 501	5, 326	5, 297	7, 576	9, 026
Fancy and bookbinders' leather: ¹							
Sheep and lamb, 1,000 skins.....	³ 6, 051	2, 087	2, 847	1, 984	2, 809	2, 825	3, 201
Goat and kid, do.....	(²)	201	338	541	604	717	1, 116
Splits (other than upholstery) finished and rough, 1,000 pieces.....							
	(²)	24, 751	20, 361	24, 023	24, 017	24, 645	21, 045

¹ Figures shown for principal kinds only.

² Not available.

³ Reported as "fancy" only.

No. 807.—BOOTS AND SHOES: PRODUCTION

NOTE.—In thousands of pairs. Detailed value data were not collected at the censuses. For total value of products of the industry see Table 797, p. 801. Data for 1922 to 1928 compiled from monthly reports of manufacturers representing approximately 95 per cent of the total production in the United States

Year	Total	Men's	Boys' and youths'	Women's	Misses' and children's	Infants'	Athletic and sporting (leather)	Canvas and other textile	Not specified (including slippers)
1914.....	292, 666	98, 031	22, 800	80, 016	48, 322	15, 477	(¹)	(¹)	27, 024
1919.....	331, 225	95, 017	26, 604	104, 813	48, 538	16, 609	560	11, 056	28, 042
1921.....	286, 771	69, 458	18, 462	101, 474	35, 060	17, 379	5, 547	8, 602	30, 784
1922.....	323, 676	89, 984	21, 032	105, 308	39, 444	23, 936	8, 448	6, 739	28, 323
1923.....	315, 114	103, 283	22, 330	109, 676	40, 130	27, 015	6, 434	8, 347	30, 984
1924.....	313, 230	84, 063	20, 274	104, 135	35, 694	23, 823	5, 853	6, 260	32, 629
1925.....	323, 553	86, 546	21, 021	104, 782	38, 601	24, 587	5, 914	8, 564	33, 448
1926.....	321, 514	80, 944	21, 111	110, 447	38, 577	24, 041	5, 818	4, 790	33, 586
1927.....	343, 609	95, 328	24, 229	116, 259	40, 950	24, 542	² 1, 488	3, 301	38, 586
1928.....	344, 351	90, 070	23, 032	123, 753	37, 135	23, 835	² 1, 547	3, 700	40, 819

¹ Not reported separately; included with "not specified, etc."

² Excludes certain heavy footwear formerly classified as "athletic" but properly included with men's.

Source of Tables 805, 806, and 807: Bureau of the Census, Department of Commerce.

No. 808.—RUBBER-MANUFACTURING INDUSTRY: PRODUCTS

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1925	1927	1914	1925	1927
All products, total value.					300,994	1,260,805	1,231,970
Tires and inner tubes:							
Pneumatic—							
Automobile and truck	Number	15,929	136,172	134,405	125,730	774,727	739,070
Motor cycle and bicycle	do.	3,728	2,512	3,046	6,906	3,961	3,695
Solid—							
Truck	do.	(1)	1,035	813	(2)	43,870	34,985
All other	do.	(1)	(1)	(1)	13,736	1,901	1,673
Boots, rubber	Pair	4,024	4,739	5,362	12,048	16,025	16,746
Shoes and overshoes, rubber	do.	57,212	52,339	71,577	37,858	80,077	90,994
Shoes, canvas, with rubber soles	do.	(1)	25,000	23,810	(1)	23,818	25,456
Heels, sold as such or on hand	do.	(1)	342,196	318,346	(1)	29,092	25,504
Soles, including composition or fiber	do.	(1)	36,064	40,820	(1)	10,384	6,341
Rubberized fabrics, sold as such or on hand:							
Automobile and carriage	Yard	(1)	25,232	17,363	(1)	13,873	11,048
All other	do.	(1)	25,840	38,445	(1)	7,760	15,493
Belting					7,989	23,481	21,947
Hose					16,854	35,844	41,472
Packing					3,508	4,444	4,853
Clothing					6,799	7,748	(3)
Druggists' and stationers' sundries					7,512	15,462	15,732
Hard-rubber goods					(1)	26,111	18,891
All other manufactures of rubber					41,384	113,955	122,206
Reclaimed rubber	Pound	(1)	243,852	330,430	11,135	23,021	27,873
All other products					8,885	2,358	5,491

¹ Not reported for 1914.

* Included in "All other solid."

* Included in "All other manufactures of rubber."

Source: Bureau of the Census, Department of Commerce.

No. 809.—PRINTING AND PUBLISHING: CENSUS STATISTICS

Publications	1914	1921	1923	1925	1927
	Value (thousands of dollars)				
Total	810,508	1,827,809	2,021,356	2,269,638	2,507,420
Newspapers and periodicals, printed and published or published only	419,210	1,005,270	1,154,786	1,321,611	1,450,688
Subscriptions and sales	163,877	328,263	300,893	398,358	429,467
Advertising	255,633	676,987	793,893	923,273	1,030,221
Newspapers	283,689	734,321	803,497	892,094	977,043
Periodicals, other than newspapers	135,621	270,949	351,289	420,517	482,040
Newspapers and periodicals, printed for publication by others	8,877	35,301	36,893	56,488	54,975
Books and pamphlets	87,637	166,663	178,474	201,708	232,920
Sheet music and books of music	7,626	14,293	14,163	14,133	17,147
Job printing, general, electrotyping, engraving, and lithographing	278,401	566,648	623,047	669,037	737,021
Blank books	4,163	7,564			
All other products	4,904	32,070	13,993	5,761	5,676
	Aggregate circulation per issue				
Newspapers and periodicals:					
Daily	28,777,464	32,341,678	35,733,107	38,039,832	42,343,210
Sunday	16,479,943	20,853,355	24,511,693	25,630,056	27,695,859
Triweekly	849,495	523,872	431,604	400,730	468,534
Semiweekly	2,483,629	1,540,206	2,024,683	1,934,005	2,026,700
Weekly	50,336,963	43,621,178	47,860,508	50,815,443	50,864,502
Monthly	79,190,838	83,469,144	91,654,028	111,875,957	116,263,751
Quarterly	18,853,901	21,745,216	22,197,913	22,840,186	21,192,184
All other classes	8,922,684	6,962,012	7,629,173	8,450,308	8,156,399

Source: Bureau of the Census, Department of Commerce.

No. 810.—ENGINES, WATER TURBINES, TRACTORS, AND LOCOMOTIVES

[Value in thousands of dollars]

Class	1914	1921	1923	1925	1927
Total	181, 019	242, 528	407, 038	310, 556	367, 026
Steam engines	21, 784	80, 357	26, 765	24, 411	22, 573
Reciprocating marine.....	1, 300	5, 016	1, 170	636	1, 703
Reciprocating stationary and portable.....	11, 822	8, 775	12, 892	7, 962	5, 406
Stationary turbines.....	8, 662	12, 342	10, 328	14, 065	14, 499
Marine turbines.....	(¹)	2, 321	(¹)	(¹)	965
Not reported as to type.....	(¹)	1, 003	2, 385	1, 758	
Internal-combustion engines (not including tractors)	45, 314	74, 699	110, 752	117, 894	141, 161
Diesel and semi-Diesel type—					
Marine.....				7, 353	7, 062
Other.....	(²)	8, 273	14, 013	15, 875	13, 347
Other internal-combustion engines—					
Marine—					
Stationary.....				8, 839	7, 370
Detachable.....	7, 570	7, 604	8, 492	2, 561	5, 553
Motor vehicle ³	11, 023	31, 005	59, 074	55, 624	63, 636
Other stationary and portable.....	26, 121	27, 317	29, 173	27, 648	34, 699
Aircraft engines ⁴					9, 494
Tractors and traction engines	17, 651	53, 169	78, 320	102, 905	136, 950
Tractors, internal-combustion.....					
Traction engines, steam.....	17, 651	53, 169	70, 427	102, 647	136, 837
Tractor trucks (semitractors).....			1, 893	258	113
					2, 172
Water turbines	3, 033	4, 024	6, 732	5, 338	5, 441
Engines and turbines not specified as to kind of power.....				13, 707	414
Locomotives, steam	42, 637	79, 677	184, 469	46, 301	58, 315

¹ No data.

² Not reported separately; included with stationary and portable internal-combustion engines.

³ Excluding engines built for installation in motor vehicles manufactured in the same establishments.

⁴ Includes some aviation engines for 1923 and 1925 and a few motor-cycle engines for 1923.

⁵ Includes data for motor-cycle and aviation engines for 1914 and 1921, and for Diesel engines for 1914.

⁶ Excluding engines built for installation in aircraft manufactured in the same establishment. Data prior to 1927 included with motor vehicle and other stationary and portable engines (see footnotes 4 and 5).

⁷ Reported with "Engines and turbines," etc., for 1925.

⁸ Includes data for a small number of water motors not reported separately.

⁹ Reported as secondary products by establishments in other industries.

Source: Bureau of the Census, Department of Commerce.

No. 811.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED

NOTE.—Values in thousands of dollars. The various classes of machinery listed are products of a number of industries, such as "foundry and machine-shop products," "agricultural implements," "aircraft," "cash registers and calculating machines," "dairymen's, poultrymen's, and apiculturists' supplies," "electrical machinery, apparatus, and supplies," etc. This table is not an industry presentation, but a special presentation giving value of products for groups designated. The values are in part duplicated in other tables in this abstract, such as Tables 810, 812, 813, and 814

Class	1914	1921	1923	1925	1927
Adding and calculating machines and parts.....	14, 734	30, 016	51, 996	51, 289	153, 182
Agricultural machinery.....	64, 866	58, 136	82, 130	85, 471	129, 595
Aircraft.....	481	5, 099	9, 077	8, 102	14, 505
Bakers' machinery and equipment.....	2, 555	10, 500	14, 451	17, 212	20, 015
Blowers and fans.....	(¹)	12, 518	14, 386	16, 210	20, 433
Bottling machinery.....	1, 359	6, 642	5, 969	10, 139	11, 584
Clay-working machinery (brick, pottery, etc.).....	2, 439	3, 772	5, 508	5, 298	4, 308
Canning machinery.....	(¹)	5, 139	9, 691	9, 766	7, 339
Cars and trucks, industrial and mining.....	(¹)	(¹)	17, 919	24, 267	21, 741
Cash registers and parts.....	15, 635	23, 944	44, 392	42, 326	140, 345
Cement and concrete machinery:					
Cement-making machinery.....	(¹)	(¹)	3, 680	4, 146	4, 619
Cement and concrete-block machinery.....	(¹)	(¹)	(¹)	1, 461	666
Concrete mixers.....	(¹)	(¹)	13, 602	12, 620	12, 674
Other cement and concrete machinery.....	(¹)	(¹)	(¹)	5, 604	2, 584
Condensers.....	(¹)	(¹)	4, 588	4, 938	5, 399
Confectionery and ice-cream machinery.....	(¹)	5, 157	5, 029	5, 143	5, 682
Conveying machinery:					
Bucket type.....	(¹)	(¹)	(¹)	14, 717	10, 726
Belt type.....	(¹)	(¹)	(¹)	8, 601	10, 520
Other.....	(¹)	(¹)	(¹)	7, 870	12, 282

No. 811.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED—
Continued

[Values in thousands of dollars]

Class	1914	1921	1923	1925	1927
Cotton gins.....	4,902	2,721	7,175	12,808	9,548
Cranes (including hoists and derricks).....	(3)	20,445	42,197	43,986	44,454
Dairy, cheese-factory, and butter-factory machinery.....	12,998	17,750	16,486	15,177	16,536
Dredging and excavating machinery:					
Power shovels.....	(4)	12,858	23,084	20,609	32,106
Other.....	2,969	4,991	10,022	19,232	19,776
Electrical machinery.....	50,601	89,800	128,384	134,513	140,497
Elevators and elevator machinery.....	17,228	40,931	62,516	47,480	43,152
Engines (steam or internal-combustion) and water wheels.....	93,635	180,488	266,285	317,255	359,607
Flour-mill and grain-mill machinery.....	(3)	8,663	9,084	7,946	7,967
Gas machines and apparatus.....	4,426	4,554	7,243	6,242	5,082
Glass-making machinery.....	1,091	4,088	2,661	2,606	3,085
Hydraulic machinery:					
Hydraulic rams.....	(3)	(3)	(3)	218	450
Other.....	(3)	(3)	(3)	4,720	2,456
Laundry machinery.....	7,565	12,983	19,077	24,198	27,204
Lawn mowers.....	2,848	6,401	8,258	8,047	9,269
Leather-working machinery, other than shoe.....	1,066	2,520	2,575	2,222	2,000
Locomotives (steam, electric, and internal-combustion).....	43,374	90,111	194,673	58,359	70,300
Machine tools.....	(3)	(3)	89,964	91,459	107,032
Metal-working machinery, other than machine tools.....	(3)	(3)	(3)	47,363	41,459
Meters, gas and water.....	11,038	18,181	2,339	24,502	24,978
Mining machinery, other than oil-well.....	13,254	30,290	47,590	34,827	35,259
Motion-picture cameras and projectors.....	(2)	2,809	2,631	4,620	8,345
Motor cycles and bicycles.....	15,910	12,710	20,762	15,906	13,804
Motor vehicles, except motor cycles.....	458,791	1,326,120	2,611,735	2,946,821	2,540,714
Oil-mill machinery, cottonseed, and other.....	1,878	1,472	3,037	4,132	24,978
Oil-well machinery.....	10,560	27,415	52,158	47,299	62,276
Ore crushers.....	(2)	3,322	4,862	3,252	2,893
Packing-house machinery.....	(2)	4,133	5,441	5,370	8,918
Paper-mill and pulp-mill machinery.....	8,588	731,581	18,736	21,209	27,098
Pneumatic machinery (other than pneumatic tools):					
Air compressors.....	5,158	15,729	27,762	20,473	20,310
Other pneumatic machinery.....	(3)	(3)	(3)	1,100	867
Printing machinery.....	19,228	54,870	68,030	67,056	63,240
Pumps and pumping equipment.....	27,457	89,255	92,815	121,290	121,557
Refrigerating machinery.....	10,522	33,174	36,542	62,598	110,246
Road-making machinery.....	3,545	17,858	24,264	26,297	27,728
Rubber-working machinery.....	2,726	8,003	6,849	10,104	6,951
Scales and balances.....	(2)	15,885	21,836	23,091	22,166
Sewing machines, cases, cabinets, attachments, and parts.....	27,238	35,068	42,993	45,131	43,170
Shoe machinery.....	5,959	9,482	10,603	11,769	12,334
Slot-vending machines.....	(3)	2,466	3,777	4,202	7,059
Stokers, mechanical.....	(3)	7,161	14,005	9,420	10,213
Sugar-mill machinery.....	1,972	12,075	6,112	8,043	6,001
Textile machinery and parts.....	(2)	115,107	127,406	169,364	162,200
Transmission machinery.....	(2)	(2)	11,359	15,850	18,246
Typewriters and parts.....	20,517	33,361	39,521	50,190	51,942
Vacuum cleaners.....	2,059	21,726	36,870	40,285	36,972
Washing machines, clothes wringers, driers, and ironing machines for domestic use.....	(3)	32,444	57,551	70,701	73,847
Well-drilling machinery, other than oil-well.....	(3)	1,353	1,074	1,843	1,545
Windmills and windmill towers.....	(3)	3,953	4,636	5,082	4,555
Woodworking machinery.....	13,393	25,682	44,447	39,620	29,599

¹ Figures not strictly comparable with earlier years which include value of parts and attachments; for 1927 figures represent only value of machines.

² Not reported separately.

³ No comparable data.

⁴ Excluding steam boilers made for sale as separate units.

⁵ Includes steam locomotives only for 1914; for 1921 and later years, steam, gasoline, and electric locomotives.

⁶ Not strictly comparable with figures for other years due to changes in classification.

⁷ Includes machinery used for converting paper into boxes, bags, etc., for 1921, but not for other years.

⁸ Not strictly comparable with figures for 1923, 1925, and 1927; includes power pumps and equipment only for 1914 and 1921; for 1923, 1925, and 1927 also includes hand pumps.

Source: Bureau of the Census, Department of Commerce.

No. 812.—METAL-WORKING MACHINERY (INCLUDING MACHINE TOOLS): PRODUCTION

NOTE.—This table includes data for all establishments reporting the production of metal-working machinery, both as a primary and a secondary product

Kind	Number			Value (thousands of dollars)		
	1919	1925	1927	1919	1925	1927
Metal-working machinery, total value				(1)	138, 812	148, 491
Machine tools.....				179, 747	91, 450	107, 032
Metal-working machinery, other than machine tools.....				(1)	47, 353	41, 450
Machine tools:						
Bending machines.....	153	807	439	942	642	369
Boring machines.....	1, 433	802	598	8, 768	3, 032	3, 352
Broaching machines.....	649	435	255	1, 395	640	372
Cutting-off machines.....	(2)	1, 786	2, 056	(2)	497	602
Drilling machines.....	16, 642	(2)	6, 891	11, 430	7, 046	7, 745
Forging machines.....	(2)	85	738	(2)	779	2, 481
Gear-cutting machines.....	2, 688	1, 271	1, 267	5, 845	4, 258	4, 417
Grinding machines.....	(2)	(2)	5, 965	15, 803	10, 734	12, 250
Hammers, stationary.....	38, 535	855	324	4, 952	829	560
Lathes.....	29, 031	(2)	11, 067	37, 475	16, 345	18, 750
Milling machines.....	11, 480	(2)	2, 978	18, 626	6, 489	8, 545
Pipe cutting and threading machines.....	4, 118	2, 637	2, 281	2, 481	1, 305	1, 344
Planers.....	1, 482	193	196	8, 129	1, 105	1, 867
Portable tools.....	(2)	(2)	(2)	10, 008	11, 806	10, 802
Presses.....	35, 786	(2)	(2)	6, 357	7, 995	8, 770
Punching machines (stationary).....	(2)	1, 034	587	(2)	1, 910	802
Riveting machines (stationary).....	(2)	(2)	1, 338	(2)	687	604
Screw machines (automatic).....	0, 227	2, 301	1, 810	9, 625	5, 919	5, 209
Shapers.....	4, 515	1, 125	985	4, 231	1, 615	1, 620
Shears (power).....	1, 367	1, 892	1, 771	1, 660	1, 351	1, 308
Slotters.....	(2)	62	36	(2)	405	182
Threading machines (excepting pipe).....	(2)	(2)	(2)	(2)	839	1, 613
All other machine tools.....	(2)	(2)	(2)	31, 314	5, 241	7, 399
Metal-working machinery, other than machine tools:						
Rolling-mill machines.....	(1)	(1)	(2)	(2)	15, 001	14, 447
Sheet-metal working machines.....	(1)	(1)	(2)	(2)	17, 468	17, 545
Welding machines.....	(1)	(1)	(2)	(2)	1, 776	1, 795
Wire-drawing machines.....	(1)	(1)	(2)	(2)	1, 070	2, 263
Wire-working machines.....	(1)	(1)	(2)	(2)	2, 142	2, 263
Other metal-working machines.....	(1)	(1)	(2)	(2)	10, 896	5, 400

¹ No comparable data, due to changes in classification.

² Not reported separately.

³ Data incomplete.

Source: Bureau of the Census, Department of Commerce.

No. 813.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS, BY CLASSES

NOTE.—All figures except number, kilovolt-amperes, and kilowatts in thousands of dollars. Includes subsidiary products of establishments classed under other industries

Product	1914	1921	1923	1925	1927
Total value	359, 432	884, 594	1, 377, 515	1, 653, 550	1, 753, 596
Generators (not specified elsewhere):					
Alternating current—					
Number.....	1 2, 512	1, 687	1, 975	2, 098	2, 856
Kilovolt-amperes (thousands).....	1 1, 188	2, 904	(2)	3, 674	3, 632
Value.....	1 7, 437	15, 513	18, 508	17, 899	18, 335
Direct current—					
Number.....	1 9, 633	5, 601	10, 308	15, 972	10, 560
Kilowatts (thousands).....	221	185	(2)	(2)	(2)
Value.....	1 2, 967	2, 923	4, 235	5, 317	4, 503

No. 813.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS BY CLASSES—Continued

[All figures in thousands of dollars]

Product	1914	1921	1923	1925	1927
Automotive generators and motors for charging, lighting, and starting	5,938	27,443	54,007	56,221	68,128
Self-contained power and lighting outfits	(^b)	4,043	7,685	11,143	9,598
Transformers, induction-voltage regulators, and current-limiting reactors	14,514	42,103	59,115	62,153	66,804
Motor-generator sets and dynamotors	5,368	6,311	7,305	8,264	6,764
Control apparatus, railway, vehicle, motor, and other	8,395	19,551	33,177	31,303	34,181
Electric locomotives (mining, industrial, and railway)	3,721	9,397	8,865	10,331	9,649
Stationary motors (not fan), total	27,694	58,078	84,778	92,648	97,678
Fractional horsepower	71,191	16,907	23,939	28,249	33,908
One horsepower and over					
Direct current	9,800	9,358	13,865	15,797	15,623
Alternating current	18,604	31,814	46,973	48,002	48,142
Railway and vehicle motors, not including automotive starter-motors	7,234	6,974	10,586	7,515	10,528
Electric fans	4,836	8,611	9,914	10,896	10,755
Motor parts and supplies	4,512	9,394	18,825	12,947	14,107
Storage batteries, parts and supplies	13,081	48,558	92,843	110,212	97,808
Primary batteries	9,522	14,600	21,446	40,982	46,288
Primary battery parts and supplies	800	3,716	3,776	4,054	6,203
Carbons: Electrodes for lighting and furnaces, brushes, and specialties	3,603	5,523	14,746	13,955	14,304
Incandescent lamps	17,350	59,728	71,966	73,558	87,933
Telegraph apparatus	6,202	244	2,086	2,922	5,561
Telephone apparatus	22,816	101,992	92,398	81,510	115,452
Fire-alarm apparatus	1,254	2,404	2,040	3,490	3,611
Radio apparatus, including tubes	792	10,643	64,000	176,990	198,436
Household apparatus and appliances:					
Vacuum cleaners, portable	(^b)	19,763	35,982	39,971	36,222
Flatirons	1,467	4,731	8,199	7,908	7,917
Cooking utensils	1,327	3,164	5,486	7,921	11,608
Ranges, disk stoves, and hot plates	671	1,795	3,677	7,901	12,119
Radiators and radiant heaters	(^b)	1,151	1,862	2,028	1,370
Electric measuring instruments	3,787	21,033	28,221	31,650	34,133
Switchboards, panel boards, cabinets, circuit breakers, and switches	15,383	30,299	57,856	69,759	71,924
Magneto-generators		4,065	10,304	9,930	7,708
Spark plugs	22,261	10,013	13,660	13,878	13,872
Coils		6,511	7,868	7,837	8,467
Insulated wires and cables	69,506	98,333	184,472	210,617	210,048
Searchlights, flood lights, motion-picture, photo-engraving, and stage projectors	2,082	1,943	2,479	2,801	4,561
Railway signals and attachments	(^b)	1,620	4,406	14,030	22,340
Fuses, cut-outs and fuse plugs	1,757	4,483	9,245	10,393	10,891
Wiring devices	7,580	21,806	34,966	34,806	32,703
Lightning arresters and choke coils	1,189	2,044	3,834	5,961	6,327
Electric railway line materials	(^b)	2,691	8,796	4,240	5,446
Conduits, underground and interior	4,375	19,346	37,500	46,330	42,133
Electric-signaling apparatus (other than railway)	875	6,444	7,142	5,081	6,365
Electrotherapeutic apparatus, exclusive of X-ray tubes and motor-driven devices	2,653	6,820	5,991	9,788	13,802
All other	57,290	152,779	237,010	278,321	277,249

¹ Figures not comparable with those for later years because of change in classification; synchronous condensers and frequency changers reported with rotating converting apparatus for 1914.

² No comparable data.

³ Not comparable with figures for later years; exclude generators under 10 kilowatts. (See note 4.)

⁴ Not comparable with figures for later years; includes generators under 10 kilowatts, not used as automotive generators.

⁵ Not reported separately.

⁶ Not strictly comparable with figures for later years because of changes in classification.

⁷ Reported as motors for miscellaneous uses.

⁸ Reported as "stoves and ranges" in 1914 and as "ranges" in 1921.

⁹ Not strictly comparable with preceding years; includes interior conduits only.

¹⁰ Includes "All other" products made in electrical establishments and \$96,490,897, the value of custom work and repairs.

Source: Bureau of the Census, Department of Commerce.

No. 814.—FARM EQUIPMENT: PRODUCTION

NOTE.—For all wagons see Table 818; for all tractors see Table 810

Class	Number				Value (thousands of dollars)			
	1925	1926	1927	1928	1925	1926	1927	1928
All products, total value					391,812	461,400	460,881	522,655
Plows and listers					23,987	33,148	29,477	31,991
Moldboard plows	541,393	630,189	525,446	537,207	12,050	18,812	14,812	15,388
Disk plows	20,424	24,250	21,425	25,952	1,769	2,220	2,396	3,119
Listers	38,826	56,087	35,690	34,785	1,625	2,232	1,538	1,608
Other plows	14,650	14,743	13,938	16,268	210	300	1,686	2,396
Attachments and parts, incl. plow stocks and steel plow shapes					3,383	0,584	0,045	0,480
Harrows, rollers, pulverizers, and stalk cutters					10,179	15,533	13,869	14,692
Disk harrows	95,714	141,964	122,680	133,287	6,185	8,092	7,051	7,453
Spike-tooth harrow sections	170,051	315,844	242,450	279,712	1,431	2,219	1,725	1,924
Spring-tooth harrow sections	109,464	117,787	117,434	130,029	1,000	1,310	1,242	1,494
Stalk cutters	6,934	11,722	10,400	10,456	8,909	448	3,777	3,306
Other, incl. attachments and parts					2,304	3,508	3,473	3,325
Planting and fertilizing machinery					20,890	26,691	24,580	25,993
Corn planters, one and two row	59,830	72,242	55,927	64,093	2,717	3,383	2,001	2,676
Combined corn and cotton planters	62,927	74,248	44,529	34,695	2,050	2,205	1,098	883
Combined listers and drills	20,203	22,908	9,231	5,280	1,360	1,071	674	430
Grain drills	32,582	47,113	58,629	72,237	3,667	5,276	6,638	8,721
Broadcast seeders	78,552	77,430	78,512	72,275	484	654	679	618
Manure spreaders	53,839	67,322	67,722	62,414	0,320	3,245	8,298	7,345
Other, incl. attachments and parts					4,363	5,158	4,572	5,290
Cultivators and weedeis					17,871	20,311	14,298	15,673
1-horse	155,639	139,454	132,244	159,648	822	755	698	821
2-row	174,297	215,845	121,237	126,209	0,700	3,133	4,405	4,630
Hand cultivators (wheeled hoes)	50,471	64,723	41,307	37,537	4,107	5,239	3,504	3,191
Other cultivators and weedeis	125,048	143,832	147,065	133,214	1,597	5,099	4,447	4,173
Attachments and parts	113,788	64,195	85,189	91,883	1,675	2,338	2,917	3,795
					4,070	3,335	2,325	2,643
Harvesting machinery					28,388	46,007	57,319	67,293
Grain binders	42,405	79,155	71,091	67,099	0,650	12,134	10,831	10,610
Grain headers	2,857	7,200	4,621	(¹)	665	1,877	1,103	(¹)
Combines (harvester-threshers)	5,131	11,760	18,307	25,392	7,284	15,863	26,885	35,693
Corn binders	20,929	26,449	21,423	21,174	2,933	3,641	2,933	2,943
Potato diggers	0,621	10,134	15,780	19,030	399	580	1,003	1,290
Other harvesting machinery	24,135	22,394	19,933	27,250	3,047	2,500	2,630	5,457
Attachments and parts					7,408	9,006	11,934	11,300
Haying machinery					16,457	15,851	16,387	16,058
Mowers	112,299	112,259	110,644	121,935	6,642	5,983	6,007	6,503
Rakes	87,016	72,537	80,459	87,644	3,364	3,023	3,590	2,647
Loaders	15,740	19,793	25,102	24,895	1,243	1,630	2,018	2,034
Other haying machinery	9,794	10,128	7,041	9,028	1,338	3,389	3,963	4,779
Attachments and parts					4,175	2,916	3,403	3,896
Machines for preparing crops for market or use					28,489	34,127	32,399	33,428
Thrashers	14,923	17,830	16,595	19,314	14,151	17,361	15,044	16,974
Ensilage and fodder cutters	14,612	14,802	15,280	14,740	2,143	2,197	2,088	2,099
Corn shellers	43,380	44,713	47,396	48,915	1,187	1,219	1,168	1,493
Corn huskers and shredders	2,225	3,531	2,443	1,423	1,219	1,775	1,150	710
Hay presses	3,192	3,457	3,325	3,674	1,108	1,061	1,072	1,082
Feed grinders and crushers	98,051	108,752	104,755	101,335	1,665	1,915	2,049	2,540
Other machines	54,273	80,225	72,197	104,975	2,059	2,455	2,513	1,755
Attachments and parts					6,050	6,164	7,245	6,875
Farm tractors	187,553	181,985	200,504	175,934	121,050	145,913	159,531	191,978
Wheeled types ¹	161,493	174,223	190,185	156,731	83,407	100,813	102,463	114,697
Tractor-trailing type	6,000	7,772	10,319	19,203	17,441	22,024	27,720	43,211
Attachments and parts					20,202	23,076	29,348	29,070
Horse-drawn vehicles	204,221	154,741	119,330	132,919	17,498	13,668	8,894	9,782
Farm wagons	108,477	74,093	50,810	56,114	10,276	6,887	4,427	4,849
Farm trucks	63,177	57,291	48,278	60,769	2,220	2,415	1,926	2,434
Buggies	20,486	8,854	7,019	4,269	1,872	756	612	403
All other (incl. 2-wheeled carts)	12,081	13,903	13,223	11,767	320	337	360	282
Attachments and parts					2,195	3,263	1,569	1,844
Miscellaneous equipment					108,888	112,141	105,230	115,916
Stalls, stanchions, and stock pens					2,759	2,616	2,743	2,877
Stock tanks and waterers	185,713	250,978	305,065	353,736	2,023	1,953	1,895	2,020
Cream separators	170,605	194,279	181,996	203,837	7,839	9,229	8,098	9,673
Internal-combustion engines (farm)	182,415	177,247	181,610	140,838	12,393	12,010	8,619	9,016
Windmills and windmill towers	155,507	133,011	120,597	150,456	5,682	4,979	4,555	5,550
Other, incl. attachments and parts					77,675	80,763	79,320	86,780

¹ Not reported separately to avoid disclosing operations of individual establishments.

² Including motor cultivators.

Source: Bureau of the Census, Department of Commerce.

No. 815.—MUSICAL INSTRUMENTS AND PHONOGRAPHS: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1923	1925	1927	1923	1925	1927
MUSICAL INSTRUMENTS AND MATERIALS						
All products, total value.....				175, 336	170, 742	131, 066
Pianos:						
Upright.....	105, 748	87, 285	69, 864	21, 075	16, 374	12, 262
Upright, player.....	170, 549	143, 831	76, 447	46, 206	38, 167	20, 028
Upright player, reproducing type.....	12, 658	5, 476	4, 096	4, 649	2, 193	1, 420
Grand—						
Baby.....	38, 024	40, 357	43, 772	16, 101	16, 244	17, 541
Baby, player.....	6, 769	12, 884	7, 718	5, 429	8, 360	5, 856
Parlor.....	5, 899	9, 170	8, 747	3, 835	5, 433	5, 320
Parlor, player.....	2, 737	2, 699	1, 226	3, 065	3, 031	1, 726
Concert.....	666	879	293	932	453	290
Automatic and electric.....	4, 539	4, 303	3, 574	2, 380	2, 322	1, 040
Organs:						
Pipe.....	1, 712	1, 955	2, 451	9, 654	12, 808	16, 667
Reed.....	7, 772	4, 360	3, 061	538	442	385
Band and orchestral instruments:						
Wind instruments.....				7, 812	9, 478	8, 395
Brass.....				7, 305	8, 346	6, 550
Wood.....				507	632	1, 845
Stringed instruments.....				3, 469	5, 859	4, 201
Perussion and other instruments (chimes, xylophones, drums, bells, traps, etc.).....				2, 288	2, 386	2, 715
Perforated music rolls.....				5, 262	6, 068	3, 217
Pneumatic player actions for installation in player pianos and cabinet player attachments made separate from pianos.....				14, 693	14, 782	6, 608
Parts and materials for musical instruments other than pianos and organs.....				1, 851	1, 867	1, 992
Orchestrions.....				38		
Organ parts and materials, for sale as such.....				1, 265	1, 842	1, 810
Piano parts and materials, for sale as such.....				17, 695	15, 223	13, 828
All other products.....				4, 894	4, 157	3, 350
Receipts for custom work, repairing, etc.....				1, 515	1, 653	1, 815
PHONOGRAPHS¹						
All products, total value.....				107, 311	81, 057	95, 296
Phonographs:						
For disk records.....	Thou- sands 978	Thou- sands 642	Thou- sands 1, 046	{ 55, 395 1, 642 }	} 22, 614	} 49, 242
All other.....	20					
Disk records.....	92, 855	82, 125	{ 104, 766 (4)	35, 714	} 26, 791	} 31, 486
Cylinder records and blanks.....	5, 249			658		
Needles, parts, and all other.....				13, 902	11, 652	14, 273

¹ Excludes subsidiary products reported by establishments engaged primarily in other industries, which amounted to \$1,301,787 in 1923; \$3,603,378 in 1925, and \$3,089,298 in 1927.

² Dictating machines and other phonographs using cylinder records.

³ Includes data for combination phonographs and radios to avoid disclosing production of individual establishments.

⁴ Number not reported for 1927.

Source: Bureau of the Census, Department of Commerce.

No. 816.—VEHICLES AND AIRCRAFT: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1914	1925	1927	1914	1925	1927
MOTOR VEHICLES						
Motor-vehicle industry, total value of products.....				503, 230	3, 108, 123	2, 848, 443
Motor vehicles made in motor-vehicle industry.....	508, 781	4, 176, 519	3, 354, 806	458, 761	2, 951, 921	2, 546, 807
Other products of motor-vehicle industry.....				44, 469	246, 202	301, 636
Motor vehicles made in other industries.....	4, 258	1, 728	967	6, 297	730	1, 119
Total motor vehicles, incl. chassis and trailers.....	573, 039	4, 178, 247	3, 355, 772	465, 058	2, 952, 651	2, 547, 926
Passenger vehicles.....	543, 811	3, 581, 840	2, 826, 274	414, 542	2, 527, 378	2, 175, 545
Touring, open.....	451, 032	1, 005, 186	211, 278	345, 973	516, 205	113, 805
Roadsters, runabouts, and sport (speedsters), open.....	81, 597	390, 652	197, 880	45, 800	180, 845	116, 100
Closed.....		2, 080, 607	2, 407, 160		1, 786, 834	1, 017, 344
Public conveyances (cabs, etc.).....	11, 098	15, 205	8, 068	22, 356	43, 690	27, 982
All other.....	154		988	320		814
Government and municipal vehicles.....	728	1, 233	1, 599	3, 941	10, 488	11, 521
Business vehicles.....	24, 172	341, 811	323, 673	40, 278	287, 243	258, 404
Delivery cars.....	4, 301	35, 976	60, 981	4, 750	24, 680	33, 883
Trucks.....	10, 519	303, 824	206, 492	34, 741	257, 804	220, 050
All other.....	202	2, 011	2, 200	787	5, 359	4, 471
Chassis.....	(0)	240, 780	178, 487	(0)	121, 516	95, 244
Passenger.....	(0)	87, 780	59, 074	(0)	39, 919	27, 150
Business.....	(0)	153, 010	122, 413	(0)	81, 597	68, 088
Trailers.....	(0)	18, 823	19, 739	(0)	4, 637	7, 212
Tractors ¹	(0)	360		(0)	692	
MOTOR CYCLES, BICYCLES, AND PARTS						
All products.....				22, 234	25, 319	22, 013
Motor cycles.....	62, 154	39, 350	35, 107	12, 162	8, 876	8, 001
Bicycles.....	290, 020	303, 440	255, 459	3, 757	7, 031	5, 803
Parts, repairs, and all other products.....				6, 315	9, 412	8, 209
CARS, STREAM AND ELECTRIC RAILROAD²						
All products.....				205, 271	390, 771	312, 509
Steam:						
Passenger (day coaches only).....	1, 653	532	967	19, 607	11, 991	22, 621
Sleeping, baggage, express, etc., in passenger service.....	1, 702	1, 539	908	24, 404	42, 940	20, 750
Box.....	50, 481	40, 230	10, 645	40, 953	101, 024	45, 319
Flat.....	4, 781	2, 806	1, 656	3, 120	3, 225	2, 538
Gondolas.....	25, 077	21, 402	10, 479	22, 809	42, 002	20, 023
Hopper.....	9, 754	3, 243	8, 734	10, 708	5, 870	19, 917
Refrigerator.....	5, 800	4, 704	9, 004	8, 077	14, 741	25, 633
Stock.....	3, 929	3, 310	1, 016	2, 587	5, 877	1, 882
Tank.....	1, 250	5, 399	5, 455	1, 255	10, 702	10, 449
Other varieties.....	15, 584	4, 420	2, 520	6, 700	8, 800	6, 940
Electric:						
Passenger.....	2, 335	1, 753	1, 194	8, 070	19, 080	19, 320
Other varieties.....	207	81	98	714	419	438
All other products, including repairs.....				56, 252	124, 141	107, 364
CARRIAGES AND WAGONS						
All products.....				109, 657	28, 019	22, 648
Wagons.....	572, 409	211, 418	125, 704	36, 533	16, 400	8, 495
Carriages and buggies.....	550, 401	20, 040	7, 019	34, 193	1, 884	612
Other conveyances.....	54, 605	4, 054	6, 611	1, 557	2, 147	3, 011
All other products, parts, repairs, etc.....				37, 373	9, 152	10, 549
AIRCRAFT						
All products.....					12, 775	21, 614
Airplanes.....	(0)	711	1, 888	(0)	5, 908	12, 225
Seaplanes.....	(0)	78	107	(0)	785	2, 280
Under construction at close of year.....	(0)	259		(0)	1, 429	
Parts and engines for sale as such.....					3, 795	5, 087
All other products, including repairs.....					878	2, 072

¹Exclusive of tractors which were included with "Other products, etc." for 1927.

²The numbers and values of the complete vehicles manufactured in 1914 by establishments in the bodies and parts branch and in other industries are included in the totals but not in the distribution by class.

³Not reported separately.

⁴Figures refer only to tractors manufactured by establishments engaged primarily in the manufacture of motor vehicles; included in "Other products, etc." for 1927. For total production of tractors, see Table 810.

⁵Not including cars built or repair work done by railroad companies.

⁶Figures not available.

Source: Bureau of the Census, Department of Commerce.

No. 817.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

Note.—The statistics for 1916 to 1928 relate to the 12 months ended July 31 and those for prior years to the 12 months ended Aug. 31. South refers to cotton growing States. Consumption is expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton in all years are in equivalent 500-pound bales. The number of active spindles represents spindles operated for any time, however short, during the year, and is therefore an unsatisfactory measure of activity of the industry

Year	Cotton spindles (thousands)					Spindles using cotton with other fibers (thousands)	Cotton consumed, excluding lint-ers ¹ (thousands of bales)			
	Total in place	Active					Total	The South	New Eng-land	Other States
		Total	The South	New Eng-land	Other States					
1840.....	(²)	2,285	181	1,570	506	(²)	237	71	159	7
1850.....	(²)	3,998	265	2,959	775	(²)	576	78	431	67
1860.....	(²)	5,236	324	3,859	1,053	(²)	845	94	567	134
1870.....	(²)	7,132	328	5,498	1,306	(²)	797	69	551	177
1880.....	(²)	³ 10,653	³ 561	³ 8,632	³ 1,460	(²)	³ 1,570	³ 189	³ 1,129	³ 252
1890.....	(²)	14,384	1,570	10,934	1,880	(²)	2,518	539	1,502	477
1900.....	(²)	19,472	4,368	13,171	1,933	(²)	3,873	1,523	1,909	440
1905.....	(²)	23,637	7,631	14,203	1,853	(²)	⁴ 4,270	⁴ 1,753	⁴ 1,783	⁴ 386
1910.....		28,929	28,267	10,494	15,735	(²)	4,022	2,234	1,995	393
1911.....		30,804	28,523	11,085	16,511		4,498	2,249	1,882	368
1912.....		31,583	30,579	11,583	17,140		5,000	2,636	2,076	417
1913.....		32,150	31,520	12,227	17,311		5,483	2,302	2,178	443
1914.....		32,744	32,108	12,711	17,408		5,577	2,925	2,219	433
1915.....		32,841	31,904	12,956	17,101		5,597	3,027	2,149	421
1916.....		33,333	32,806	13,382	17,474		6,398	3,523	2,389	481
1917.....		34,221	33,889	14,156	17,761		4,465	6,789	3,388	2,415
1918.....		34,941	34,543	14,829	17,985		4,447	6,566	3,697	2,402
1919.....		35,443	34,931	14,846	18,066		2,019	5,766	3,199	2,605
1920.....		35,834	35,481	15,231	18,287		1,963	6,420	3,583	2,897
1921.....		36,618	36,047	15,709	18,388		336	4,893	2,997	1,614
1922.....		36,046	35,708	15,906	17,939		314	5,910	3,730	1,823
1923.....		37,409	36,200	16,310	18,054		1,896	6,666	4,248	2,049
1924.....		37,804	36,849	16,944	17,066		258	5,681	3,858	1,635
1925.....		37,929	35,032	17,292	16,975		251	6,193	4,220	1,639
1926.....		37,586	34,750	17,574	16,520		243	6,456	4,600	1,628
1927.....		36,696	34,410	17,894	14,995		1,521	7,180	5,194	1,675
1928.....		35,540	33,570	18,282	13,815		232	6,834	5,114	1,438

Yearly average or year	Consumption (thousands of bales)						Stocks in consuming establish-ments at end of year (thou-sands of bales)			
	Total, exclud-ing linters	Domestic			Foreign	Linters	Total, exclud-ing linters	Do-mestic	Foreign	Linters
		Total	Upland	Sea Island						
1906-1910.....	⁴ 4,829	⁴ 4,680	⁴ 4,595	⁶ 62	149	⁷ 163	⁸ 731	⁸ 673	58	⁷ 39
1911-1915.....	5,257	5,051	4,976	75	206	293	822	738	84	86
1916-1920.....	6,388	6,105	6,034	71	282	734	1,452	1,352	100	179
1921-1925.....	5,869	5,577	5,585	9	292	599	1,003	911	92	189
1911.....	4,498	4,323	4,259	64	175	207	499	417	81	43
1912.....	5,129	4,922	4,827	95	208	238	818	733	85	53
1913.....	5,483	5,250	5,196	55	233	303	718	638	80	60
1914.....	5,577	5,383	5,301	82	194	307	676	612	64	75
1915.....	5,597	5,375	5,296	79	222	412	1,401	1,292	109	190
1916.....	6,398	6,080	5,998	83	317	881	1,632	1,490	143	100
1917.....	6,789	6,470	6,376	94	318	870	1,502	1,408	94	113
1918.....	6,566	6,382	6,297	86	184	1,119	1,465	1,408	63	138
1919.....	5,765	5,590	5,539	51	176	458	1,303	1,253	51	267
1920.....	6,420	6,003	5,960	43	417	342	1,355	1,208	150	277
1921.....	4,893	4,677	4,658	19	216	516	1,111	1,021	90	201
1922.....	5,910	5,613	5,604	9	297	639	1,218	1,127	91	139
1923.....	6,666	6,322	6,316	6	344	646	1,190	981	118	127
1924.....	5,681	5,358	5,348	5	328	537	722	638	84	101
1925.....	6,193	5,917	5,914	4	276	659	866	787	79	129
1926.....	6,456	6,176	6,174	2	230	804	1,097	1,011	86	144
1927.....	7,190	6,880	6,879	1	310	896	1,405	1,325	80	199
1928.....	6,834	6,535	6,534	1	299	780	1,012	935	77	159

¹ Includes linters for 1840 to 1905. ⁴ Does not include foreign cotton. ⁷ Average, 1906 and 1910.
² Figures not available. ⁵ Includes linters for 1906 to 1908.
³ Cotton mills only. ⁶ Average, 1907 to 1910.

Source: Bureau of the Census, Department of Commerce

No. 818.—COTTON SPINDLE HOURS AND COTTON CONSUMPTION

NOTE.—Per cent of capacity represents ratio between (1) the actual number of spindle hours including overtime, double shifts, and part time, and (2) the total number of spindles in place multiplied by the number of hours per month in a single shift at normal full working time. Consumption includes both domestic and foreign cotton

Month	Spindle hours (millions)					Spindle hours—per cent of capacity				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
Total	80,375	94,600	97,029	104,450	92,748	78.5	92.9	95.4	104.7	97.1
January.....	8,347	8,554	8,350	8,554	8,263	95.5	97.2	98.6	102.0	101.0
February.....	7,100	7,803	8,121	8,239	7,970	87.3	100.5	103.2	106.5	101.3
March.....	7,077	8,014	9,169	9,638	8,310	82.4	100.0	102.2	109.8	96.8
April.....	6,770	8,520	8,345	8,788	7,415	80.0	100.2	98.2	105.6	94.8
May.....	5,908	7,932	7,503	8,986	7,066	67.5	93.8	88.9	108.9	95.1
June.....	5,344	7,686	7,006	9,191	7,262	64.6	89.2	88.4	109.3	88.4
July.....	5,183	7,310	6,760	8,033	6,251	60.3	84.6	78.7	99.1	79.7
August.....	5,434	6,935	7,487	8,971	7,431	68.0	80.1	87.4	102.9	87.7
September.....	6,472	7,107	8,257	8,776	6,961	76.4	83.8	98.5	106.6	90.6
October.....	7,655	7,963	8,367	8,728	8,094	80.2	89.5	98.9	105.0	103.0
November.....	7,143	7,825	8,483	8,690	8,524	87.8	98.0	101.3	106.7	108.1
December.....	7,841	8,261	8,686	7,859	7,711	90.7	99.4	100.7	93.9	99.1

Source: Bureau of the Census, Department of Commerce.

No. 819.—COTTON SPINDLE ACTIVITY AND CONSUMPTION BY STATES

NOTE.—All data except as specified are for years ended July 31. See headnote Table 818

Section and State	Cotton spindles in place (thousands)			Spindle hours (millions)			Cotton consumed, excluding linters (thousands of bales)				
	Aug. 31, 1911	July 31, 1927	July 31, 1928	1925-26	1926-27	1927-28	1911-1915, average	1916-1920, average	1921-1925, average	1926-27	1927-28
United States	30,804	36,696	35,540	93,941	102,605	96,451	5,257	6,398	5,809	7,190	6,894
The South	11,657	18,169	18,508	58,518	65,865	65,273	2,740	3,579	3,811	5,194	5,114
New England.....	17,045	10,872	15,463	31,541	33,052	27,862	2,101	2,354	1,732	1,675	1,438
Other States.....	2,102	1,655	1,569	3,882	3,688	3,316	416	455	326	321	282
Alabama.....	908	1,524	1,628	4,785	5,085	5,213	275	361	385	570	552
Connecticut.....	1,270	1,167	1,122	2,441	2,544	2,567	127	138	106	104	106
Georgia.....	1,981	2,960	3,080	9,315	10,270	10,735	589	812	840	1,153	1,168
Maine.....	1,067	1,118	1,106	2,140	2,117	1,991	170	184	159	136	122
Massachusetts.....	10,613	10,542	9,350	18,938	20,116	15,785	1,269	1,432	1,028	973	790
New Hampshire.....	1,463	1,430	1,414	2,572	2,745	2,591	292	297	206	232	207
New Jersey.....	483	370	379	967	757	780	56	48	43	36	35
New York.....	964	873	802	1,921	1,922	1,704	199	232	168	162	140
North Carolina.....	3,354	6,199	6,192	19,953	23,002	22,045	840	1,129	1,197	1,640	1,584
Pennsylvania.....	280	120	114	810	259	221	48	46	29	27	24
Rhode Island.....	2,527	2,469	2,326	5,217	5,197	4,633	232	290	228	219	204
South Carolina.....	4,187	5,403	5,492	18,826	21,423	21,102	743	875	941	1,245	1,229
Tennessee.....	253	588	602	1,663	1,945	2,124	74	103	108	151	158
Virginia.....	373	711	700	1,771	1,839	1,660	85	106	112	130	120
All other States.....	1,021	1,204	1,224	3,132	3,379	3,350	258	335	325	411	395

Source: Bureau of the Census, Department of Commerce.

No. 820.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CALENDAR YEARS

NOTE.—Black blasting powder in thousands of kegs of 25 pounds each; other figures in thousands of pounds. "Permissible" explosives are those approved by the Bureau of Mines as suitable for use in coal mines

Kind and use	1915	1921	1922	1923	1924	1925	1926	1927	1928
Black blasting powder.....	7, 900	6, 401	7, 155	8, 078	6, 683	6, 279	6, 307	5, 268	4, 870
Railway and other construction work.....	290	164	310	370	341	332	301	243	317
Coal mining.....	6, 701	5, 613	6, 190	7, 020	5, 625	5, 297	5, 444	4, 503	4, 080
Metal mining ¹						138	114	86	84
Quarrying and nonmetallic mineral mining ¹						240	236	231	202
Other mining.....	268	185	168	175	144				
All other purposes.....	650	439	487	513	572	221	212	190	281
High explosives other than "permissible".....	235, 929	170, 962	209, 476	267, 406	273, 323	266, 435	310, 518	308, 480	292, 785
Railway and other construction work.....	22, 280	18, 317	22, 434	31, 930	40, 647	39, 916	44, 982	48, 266	50, 767
Coal mining.....	22, 384	34, 232	25, 498	37, 829	56, 008	26, 947	35, 229	34, 173	30, 077
Metal mining ¹						102, 623	110, 374	102, 122	96, 088
Quarrying and nonmetallic mineral mining ¹						71, 501	76, 186	78, 506	74, 820
Other mining.....	109, 129	50, 977	78, 074	105, 004	103, 836				
All other purposes.....	82, 036	67, 426	83, 470	92, 642	92, 231	45, 448	43, 747	40, 413	41, 032
"Permissible" explosives.....	27, 350	41, 134	43, 430	60, 371	55, 134	58, 353	67, 665	63, 847	60, 708
Railway and other construction work.....	140	263	154	324	265	263	242	216	158
Coal mining.....	21, 842	38, 056	40, 198	56, 807	52, 147	52, 256	65, 143	60, 942	57, 261
Metal mining ¹						3, 533	216	191	231
Quarrying and nonmetallic mineral mining ¹									
Other mining.....	4, 688	832	1, 453	783	515				
All other purposes.....	681	1, 934	1, 025	2, 457	2, 207	1, 463	1, 503	1, 902	1, 814

¹ Prior to 1925 included with "Other mining" and "All other purposes."

No. 821.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED IN THE UNITED STATES AND SOLD IN EACH STATE, CALENDAR YEAR, 1928

NOTE.—See headnote to Table 820

State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives	State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives
Total	Kegs ¹	Pounds	Pounds	Total	Kegs ¹	Pounds	Pounds
Total	4, 870, 335	292, 785, 010	60, 707, 757	Montana	76, 250	0, 641, 155	18, 700
Alabama	84, 707	7, 518, 850	4, 012, 275	Nebraska	2, 096	396, 586	
Alaska	1, 102	2, 378, 175	132, 300	Nevada	30, 575	4, 337, 300	
Arizona	37, 208	12, 928, 655	100	New Hampshire	649	280, 375	
Arkansas	73, 714	3, 351, 255	145, 465	New Jersey	267	3, 618, 230	300
California	102, 382	16, 600, 530	3, 100	New Mexico	14, 558	3, 418, 375	400, 860
Colorado	72, 850	5, 336, 720	743, 645	New York	14, 284	14, 336, 820	67, 350
Connecticut	694	1, 897, 150		North Carolina	11, 340	3, 243, 285	14, 300
Delaware	64	76, 325		North Dakota	28, 712	220, 350	47, 660
Florida	11, 001	4, 625, 963		Ohio	301, 617	10, 053, 506	160, 100
Georgia	15, 481	1, 342, 525	2, 000	Oklahoma	92, 367	8, 836, 109	300, 757
Idaho	10, 422	4, 784, 815		Oregon	31, 670	5, 627, 600	1, 000
Illinois	721, 975	8, 076, 900	3, 268, 950	Pennsylvania	938, 853	40, 277, 895	32, 545, 975
Indiana	399, 576	3, 951, 775	609, 000	Rhode Island	160	150, 450	
Iowa	170, 009	3, 162, 800	50	South Carolina	4, 567	1, 061, 672	
Kansas	142, 690	6, 937, 034	203, 169	South Dakota	889	1, 203, 105	62, 000
Kentucky	474, 264	5, 186, 136	2, 815, 662	Tennessee	105, 020	4, 658, 030	252, 500
Louisiana	8	5, 010, 715	103, 760	Texas	60, 720	8, 233, 113	72, 000
Maine	2, 202	814, 025		Utah	23, 331	8, 526, 310	1, 002, 605
Maryland ²	19, 432	1, 306, 375	128, 200	Vermont	5, 128	546, 700	
Massachusetts	1, 527	2, 099, 925		Virginia	69, 358	3, 846, 350	830, 050
Michigan	6, 359	19, 392, 560	3, 500	Washington	53, 520	11, 623, 675	707, 014
Minnesota	24, 842	13, 214, 900		West Virginia	449, 815	4, 980, 025	10, 733, 410
Mississippi	1, 419	1, 473, 634		Wisconsin	3, 300	5, 012, 453	
Missouri	108, 502	8, 627, 920	62, 780	Wyoming	68, 135	1, 549, 341	1, 122, 350

¹ Kegs of 25 pounds each.

² Includes District of Columbia.

Source of Tables 820 and 821: Bureau of Mines, Department of Commerce.

No. 822.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED

Year ended June 30--	Distilled spirits			Fermented liquors	Year ended June 30--	Distilled spirits			Fermented liquors
	Ex- clusive of fruit brandy	Fruit brandy	Total			Ex- clusive of fruit brandy	Fruit brandy	Total	
1905.....	147,811	5,440	153,250	40,822	1921.....	86,300	1,531	87,806	9,220
1910.....	150,238	7,056	157,294	50,545	1922.....	81,086	1,077	82,163	4,348
1915.....	132,134	8,622	140,756	59,808	1923.....	123,208	1,417	124,626	5,209
1916.....	210,124	4,159	214,283	68,034	1924.....	186,682	847	187,530	4,891
1917.....	277,834	8,281	286,115	60,817	1925.....	166,051	548	166,599	5,119
1918.....	173,476	5,387	178,863	60,206	1926.....	203,160	614	203,774	4,856
1919.....	98,976	1,802	100,778	27,713	1927.....	185,133	338	185,472	4,332
1920.....	60,616	1,040	61,656	9,231	1928.....	170,103	412	170,515	4,162

¹In computing taxable gallons all fractional parts of a gallon less than one-tenth are excluded.

²Of not more than 31 gallons.

³Includes fermented liquors removed from breweries for export free of tax.

⁴This item represents cereal beverages containing less than one-half of 1 per cent alcohol by volume.

No. 823.—DENATURED ALCOHOL

Year ended June 30--	Alcohol pro- duced at in- dustrial alcohol plants ¹	Denat- uring plants	Ethyl alcohol withdrown for denatura- tion	Denatured alcohol produced		
				Completely denatured	Specially denatured	Total
1913.....		21	15,063,553	5,223,241	4,008,418	9,231,659
1915.....		23	25,411,710	5,380,647	8,599,822	13,980,469
1917.....		44	93,792,422	10,568,919	45,170,678	65,739,598
1918.....		40	90,044,728	10,328,468	39,834,561	50,163,016
1919.....		45	60,369,300	9,076,721	28,294,219	38,270,940
1920.....	18,033,551	52	45,640,949	13,528,403	15,307,947	28,836,350
1921.....	85,068,770	67	33,812,130	12,392,596	9,990,230	22,382,825
1922.....	79,900,102	77	59,640,020	16,193,524	17,152,224	33,345,748
1923.....	122,402,850	70	105,819,405	27,128,230	30,436,913	57,565,143
1924.....	135,807,726	83	121,676,196	34,602,004	33,085,292	67,687,296
1925.....	160,105,618	91	148,970,221	40,083,970	34,824,303	81,808,273
1926.....	202,271,670	97	191,670,107	65,881,442	39,494,444	105,375,886
1927.....	181,323,017	94	176,633,437	56,008,748	30,354,938	86,363,686
1928.....	169,149,965	82	166,689,378	46,066,601	45,461,424	91,528,025

¹Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.

No. 824.—LEAF TOBACCO: AMOUNTS CONSUMED IN THE MANUFACTURE OF CIGARS, CIGARETTES, CHEWING AND SMOKING TOBACCO, AND SNUFF

NOTE.—All figures in thousands of pounds. Figures are unstemmed equivalent of all tobacco, stemmed, unstemmed, and scrap. Beginning with 1922 the Commissioner of Internal Revenue converted stemmed tobacco used in the manufacture of cigars and cigarettes to unstemmed at the ratio of 3 pounds stemmed to 4 pounds unstemmed. In previous years conversion was at the ratio of 3 to 5. In the following table figures are given on the new basis beginning 1918. On the old basis the quantity used for cigars in 1918 was calculated at 162,277,030 pounds and that for cigarettes at 177,379,000 pounds.

Calendar year or yearly average	Total	Cigars	Ciga- rettes	Tobacco and snuff	Calendar year	Total	Cigars	Ciga- rettes	Tobacco and snuff
1896-1900.....	352,380	87,851	16,235	248,294	1920.....	621,864	168,597	146,907	306,360
1901-1905.....	435,104	124,411	12,444	298,339	1921.....	587,391	143,228	158,336	285,827
1906-1910.....	495,848	139,206	22,079	334,563	1922.....	619,517	151,709	169,597	298,211
1911-1915.....	549,474	143,560	34,225	341,650	1923.....	662,004	159,753	209,395	301,916
1916-1920.....	661,633	168,366	155,828	337,440	1924.....	699,103	153,418	217,700	297,990
1921-1925 ¹	646,685	151,421	108,031	296,545	1925.....	692,090	149,001	244,315	298,783
1913.....	583,415	163,006	56,569	338,871	1926.....	712,557	182,372	267,584	292,602
1917.....	658,936	169,579	133,056	356,304	1927.....	721,459	182,510	280,404	278,542
1918.....	661,974	149,837	146,506	369,631	1928 ²	723,785	150,650	308,232	269,903
1919.....	625,862	151,503	106,783	307,576					

¹ Figures are given on new basis, previous yearly averages are on old basis.

² Estimated.

Source of Tables 822, 823, and 824: Reports of the Commissioner of Internal Revenue, Treasury Department.

No. 825.—PRODUCTION OF MANUFACTURED TOBACCO

NOTE.—Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States, excluding those manufactured in bonded manufacturing warehouses, which amounted in 1923 to 27,624,115 cigars, 9,233,184,744 cigarettes, and 1,710,896 pounds of smoking and chewing tobacco. Large cigars, and cigarettes are those weighing more than 3 pounds per thousand

Calendar year or yearly average	Tobacco and snuff (thousands of pounds)						Cigars (thousands)		Cigarettes (thousands)	
	Total	Plug	Twist	Fine out	Smoking	Snuff	Large	Small	Large	Small
1901-1905	346,841	175,981	(1)	11,908	138,402	20,556	6,513,095	716,720	7,143	3,227,602
1906-1910	413,054	167,460	13,524	12,525	192,700	26,845	6,883,272	1,059,501	16,113	6,192,671
1911-1915	437,346	158,529	15,017	10,795	222,265	31,140	7,087,530	1,053,654	15,695	14,802,416
1916-1920	455,584	159,869	14,846	9,758	237,808	34,805	7,304,937	810,327	26,026	14,665,670
1921-1925	609,457	115,445	10,105	6,972	239,161	37,785	6,091,913	557,300	16,704	65,903,991
1913	443,875	164,339	14,894	10,935	220,810	32,898	7,571,508	950,400	15,106	15,555,693
1920	412,630	138,553	11,769	8,681	219,271	34,348	8,090,759	633,222	28,039	47,430,105
1921	386,951	113,384	9,261	6,893	222,723	34,090	6,720,085	670,453	14,518	52,085,012
1922	419,506	120,174	10,948	6,892	245,355	35,136	6,722,354	632,907	17,450	55,763,023
1923	412,777	120,798	10,655	7,141	234,944	39,228	6,950,247	505,305	18,006	60,715,830
1924	414,178	111,477	9,902	6,781	246,900	39,029	6,597,677	530,714	16,054	72,808,989
1925	413,873	111,991	9,750	7,151	247,740	37,841	6,463,193	447,089	17,429	82,247,100
1926	410,596	109,769	9,179	6,935	246,439	38,227	6,498,641	412,315	13,240	92,096,974
1927	396,324	103,918	7,988	6,236	237,934	40,197	6,519,005	439,419	11,432	99,809,033
1928 ¹	384,114					40,655	6,453,688	419,886	10,801	105,915,965

State	Number of factories Jan. 1, 1923, making—			Production in 1927 (calendar year)				
	Tobacco and snuff	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	1,329	7,974	136	396,324	6,519,005	439,419	11,432	99,809,033
California	35	253	10	118	70,987		40	4,184,164
Connecticut	13	158		56	37,345			
Delaware	1	12		2,388	42,446			
Florida	10	290	2	6	559,373			4,676
Illinois	149	889	7	35,035	95,276	40	254	3,550
Indiana	45	203		370	186,049			
Iowa	40	161		253	25,483			
Kentucky	48	65	1	33,719	82,356			673,790
Louisiana	58	45	1	111	77,134			4,787
Massachusetts	31	238	10	402	103,126		136	5,306
Michigan	44	261	3	15,004	287,482		1	9,205
Minnesota	37	177		81	27,965		1	
Missouri	18	204	2	55,332	37,709			30,360
Nebraska	16	47		43	15,159			
New Jersey	26	244	4	9,645	655,841	1,009	1	3,185,050
New York	307	1,689	66	7,902	522,637	10,188	10,570	9,000,224
North Carolina	17	24	7	122,065	19,176	47,082		58,911,587
Ohio	98	601		59,461	515,625	16	4	1,742
Pennsylvania	163	1,140	12	4,277	2,205,357	92,625	236	4,135,484
Tennessee	19	34		19,843	97,094			
Virginia	18	42	8	18,079	425,160	190,937	141	19,655,549
West Virginia	10	46	1	11,146	79,153			633
All other	126	1,151	2	988	346,066	97,521		2,806

¹ Twist included with plug prior to 1906. ² Estimates based on sale of stamps by collectors' offices. Source: Annual Report of the Commissioner of Internal Revenue.

No. 826.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

NOTE.—All figures except per capita in thousands of pounds. Leaf tobacco used in manufacture given on "new basis." See headnote, Table 824

	1922	1923	1924	1925	1926	1927	1928
Leaf tobacco consumed in manufacture:							
In registered factories	619,517	662,064	669,103	692,099	712,557	721,456	723,735
In bond	29,379	34,305	23,589	18,519	19,059	16,073	28,132
Manufactured tobacco imported:							
From Porto Rico	3,312	3,878	3,535	4,151	3,504	2,907	3,088
Other countries	3,116	5,037	3,894	4,001	3,859	3,498	3,264
Exports of manufactured tobacco	41,066	41,907	37,060	29,726	33,334	26,358	40,216
Remaining for consumption	614,258	663,377	665,061	689,044	705,205	717,636	723,053
Per capita consumption—pounds	5.59	5.94	5.87	5.97	6.02	6.05	6.02

Sources: Leaf tobacco used in registered factories from reports of the Commissioner of Internal Revenue; leaf tobacco used in bonded factories from reports of the Division of Customs, Treasury Department.

No. 827.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES

NOTE.—Figures cover new buildings and repairs to old buildings, but exclude data for installation permits (those for installing boilers, signs, etc.) which are not strictly building operations. These permits are rather numerous, but in value they are of small amount. The number figures represent the number of buildings covered by permits issued (new construction and repairs, etc.) rather than the number of permits. The cities shown include all cities having a population of 50,000 or over in 1920 and some cities having a population of 25,000 or over. The estimated cost of buildings authorized in 267 identical cities since 1921 is as follows: 1921, \$1,873,000,000; 1922, \$2,489,000,000; 1923, \$3,072,000,000; 1924, \$3,203,000,000; 1925, \$3,805,000,000; 1926, \$3,557,000,000; 1927, \$3,138,000,000; 1928, \$2,995,000,000. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated

City and State	Total number of buildings					Proposed cost of buildings				
	1924	1925	1926	1927	1928	1924 1,000 dollars	1925 1,000 dollars	1926 1,000 dollars	1927 1,000 dollars	1928 1,000 dollars
Akron, Ohio	4,200	5,351	5,024	5,495	5,356	8,769	14,454	15,983	20,196	19,485
Albany, N. Y.	6,704	3,492	2,902	2,084	2,226	12,490	14,704	25,764	16,180	14,894
Allentown, Pa.	1,458	1,588	1,760	1,063	1,556	5,344	8,687	9,218	6,588	5,935
Altoona, Pa.	1,787	1,709	1,648	1,480	1,313	3,208	3,002	3,023	3,041	3,361
Atlanta, Ga.	4,501	3,849	3,784	4,085	3,962	17,976	10,153	17,173	11,861	27,895
Atlantic City, N. J.	1,695	1,786	1,216	1,091	889	9,402	11,625	9,255	5,823	7,411
Augusta, Ga.	1,601	1,409	1,486	1,965	2,233	1,210	1,436	1,167	1,459	1,551
Baltimore, Md.	25,084	21,927	22,135	20,025	17,099	46,664	45,458	42,456	28,438	33,945
Bayonne, N. J.	606	554	429	338	504	3,686	2,876	1,950	1,950	1,995
Berkeley, Calif.	3,556	4,280	3,200	2,069	2,487	9,369	10,056	7,334	6,683	6,077
Bethlehem, Pa.	615	678	767	803	743	2,372	6,150	2,151	2,477	3,843
Binghamton, N. Y.	2,087	1,902	1,832	2,441	2,273	4,393	4,497	3,278	4,231	3,456
Birmingham, Ala.	6,368	6,198	5,695	5,392	5,687	18,166	16,662	17,174	21,787	14,225
Boston, Mass.	11,387	10,665	9,815	9,839	9,255	53,032	70,718	51,484	60,987	55,699
Bridgeport, Conn.	1,399	1,040	1,020	1,145	1,185	2,981	3,719	3,458	5,187	3,527
Brockton, Mass.	1,340	1,075	900	952	887	2,437	1,720	1,879	1,433	1,726
Brookline, Mass.	582	608	538	536	588	8,913	9,806	4,951	5,902	6,201
Buffalo, N. Y.	10,508	6,450	7,230	6,605	5,545	28,402	26,774	27,413	33,073	24,402
Cambridge, Mass.	1,202	1,564	1,084	1,057	1,052	8,285	11,711	8,276	9,587	8,084
Camden, N. J.	1,967	2,114	2,246	1,751	1,293	6,388	7,913	6,671	5,330	7,428
Canton, Ohio	3,068	2,685	2,359	1,944	1,579	8,008	8,966	5,321	4,156	3,662
Charleston, S. C.	294	573	402	433	454	217	732	460	586	561
Chattanooga, Tenn.	2,149	2,740	3,079	3,006	2,939	2,885	4,977	4,808	4,874	4,708
Cheney, Pa.	578	709	693	664	489	2,074	3,442	3,586	3,396	1,747
Chicago, Ill.	34,315	31,954	28,660	26,100	19,932	308,911	373,804	376,898	365,065	323,500
Chicopee, Mass.	982	960	596	445	406	3,516	3,654	1,557	1,117	1,276
Cincinnati, Ohio	7,576	7,802	8,332	8,662	9,431	23,572	31,079	1,557	30,570	35,459
Cleveland, Ohio	16,952	16,128	13,912	12,108	10,598	62,980	67,910	29,257	45,481	50,159
Columbus, Ohio	9,585	7,160	7,046	6,080	5,350	30,995	29,358	25,261	23,283	16,287
Council Bluffs, Iowa	647	660	498	376	283	1,769	1,772	2,022	930	810
Covington, Ky.	743	844	797	726	580	2,062	2,915	2,152	1,722	1,592
Dallas, Tex.	5,241	5,283	4,262	3,533	3,428	27,795	23,548	16,123	9,774	5,089
Davenport, Iowa	1,731	853	662	708	1,235	1,820	1,831	1,183	2,053	1,350
Dayton, Ohio	8,420	3,383	2,922	3,118	2,617	9,760	12,484	11,011	10,332	10,368
Denver, Colo.	7,809	7,064	6,152	7,339	6,154	25,175	24,713	13,873	15,755	16,771
Des Moines, Iowa	2,312	2,130	1,888	1,243	1,209	9,220	6,134	5,869	2,876	4,510
Detroit, Mich.	40,632	41,592	40,204	28,104	26,541	160,543	180,133	183,721	145,556	129,260
Dubuque, Iowa	986	1,067	966	918	328	1,613	1,291	1,729	1,288	877
Duluth, Minn.	2,332	2,781	2,229	2,453	2,175	7,113	7,059	1,686	4,431	3,279
East Orange, N. J.	1,205	1,264	1,306	1,134	628	6,789	7,495	9,035	12,313	7,632
East St. Louis, Ill.	1,270	1,519	1,325	1,200	1,003	3,285	5,081	4,469	5,563	2,707
Elizabeth, N. J.	1,467	1,766	1,119	1,454	910	6,594	8,968	11,166	10,923	5,604
El Paso, Tex.	328	793	642	1,162	1,014	1,359	2,217	1,202	1,793	2,144
Erie, Pa.	2,259	2,241	2,062	1,658	1,779	6,949	8,538	6,091	5,393	4,764
Evansville, Ind.	2,940	1,886	2,278	1,861	1,805	3,334	3,270	4,468	3,416	5,111
Everett, Mass.	741	725	660	667	535	3,764	2,194	3,485	2,098	1,761
Fall River, Mass.	1,130	1,302	309	842	592	4,451	3,796	2,156	1,841	2,886
Fitchburg, Mass.	669	685	452	318	202	1,618	2,128	1,594	638	322
Flint, Mich.	4,760	4,388	6,487	8,785	6,700	8,943	6,274	13,029	22,087	14,427
Fort Wayne, Ind.	3,098	2,759	2,565	1,844	1,646	11,488	10,923	7,761	6,002	5,011
Fort Worth, Tex.	2,403	2,291	4,271	4,812	4,560	11,081	8,434	19,402	28,484	11,544
Galveston, Tex.	2,256	2,839	2,906	2,551	2,243	2,875	1,703	3,201	2,974	3,977
Gary, Ind.	2,089	2,717	3,805	2,857	1,966	9,059	13,056	22,074	15,017	6,941
Grand Rapids, Mich.	5,993	6,471	6,610	8,386	5,401	9,480	12,187	10,869	12,310	9,137
Hamilton, Ohio	1,014	1,118	993	632	841	2,199	2,208	2,529	1,733	2,068

No. 827.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES—Continued

City and State	Total number of buildings					Proposed cost of buildings				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
						1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Harrisburg, Pa.	1,055	1,039	1,091	1,037	844	6,866	3,385	4,533	3,569	6,595
Hartford, Conn.	2,691	2,717	3,100	2,321	1,981	18,126	21,804	16,217	17,530	11,278
Haverhill, Mass.	348	323	358	371	324	714	607	845	910	554
Hoboken, N. J.	180	265	248	271	239	705	1,749	1,230	1,520	665
Holyoke, Mass.	803	726	459	432	350	3,201	3,413	2,607	2,044	1,261
Houston, Tex.	6,991	6,598	5,887	5,880	6,072	17,217	35,041	28,499	27,326	35,810
Huntington, W. Va.	2,375	1,817	763	509	270	9,028	5,414	1,840	1,547	982
Indianapolis, Ind.	15,058	14,053	11,706	13,872	10,217	23,910	24,840	19,030	23,682	21,967
Jackson, Mich.	1,306	1,334	1,805	1,201	1,230	1,602	2,589	4,180	2,576	2,097
Jacksonville, Fla.	3,169	3,778	5,823	5,002	3,431	7,186	14,001	20,789	12,768	7,000
Jersey City, N. J.	2,128	2,061	1,833	1,554	1,375	19,576	24,989	20,093	13,852	13,876
Johnstown, Pa.	948	(1)	1,035	872	556	5,530	(1)	3,013	1,386	1,095
Kalamazoo, Mich.	1,273	1,421	1,394	1,494	1,513	1,612	2,053	1,984	2,223	2,035
Kansas City, Kans.	1,783	2,121	1,714	1,163	1,043	3,985	3,737	2,520	1,587	1,051
Kansas City, Mo.	6,221	6,986	3,899	2,919	2,345	21,865	38,256	21,672	14,822	15,641
Kenosha, Wis.	1,190	1,641	1,770	863	894	4,458	4,940	5,122	4,498	3,726
Knoxville, Tenn.	3,459	2,691	2,414	2,470	2,138	6,512	6,329	10,710	5,099	7,115
Lakewood, Ohio.	1,896	1,378	901	870	625	8,013	7,917	4,293	3,519	4,622
Lancaster, Pa.	1,287	899	717	856	647	4,748	4,132	2,520	3,005	2,859
Lansing, Mich.	2,122	1,639	1,689	1,301	1,340	5,663	5,369	4,403	7,330	6,204
Lawrence, Mass.	660	534	370	261	322	3,039	3,005	3,069	913	603
Lincoln, Nebr.	1,239	1,621	1,151	1,048	1,070	3,115	7,007	5,936	4,390	3,648
Little Rock, Ark.	2,252	2,218	2,186	2,008	1,528	4,331	5,108	6,888	2,994	4,260
Long Beach, Calif.	4,861	4,538	3,667	4,197	4,988	19,751	12,611	8,565	13,639	10,308
Los Angeles, Calif.	51,134	43,679	37,478	37,655	33,195	150,148	152,646	123,006	123,027	101,679
Louisville, Ky.	4,673	5,109	4,059	3,278	3,215	13,663	29,504	20,252	23,341	18,120
Lowell, Mass.	817	1,105	853	787	638	1,677	2,624	1,578	971	942
Lynn, Mass.	1,233	1,404	1,300	1,265	1,279	3,853	4,683	4,012	3,878	3,787
McKeesport, Pa.	613	950	2,300	1,905	1,325	2,306	2,384	2,252	2,356	2,185
Macon, Ga.	1,495	1,628	2,085	1,943	1,817	1,754	1,780	1,739	2,886	2,350
Malden, Mass.	379	380	360	366	630	3,560	3,006	3,611	3,800	2,893
Manchester, N. H.	1,463	1,315	1,047	1,189	970	2,649	2,361	1,373	1,940	1,059
Medford, Mass.	1,083	1,195	1,291	1,109	1,131	4,326	5,696	5,759	4,371	4,515
Memphis, Tenn.	5,068	4,728	4,795	4,017	4,005	19,271	15,318	15,332	12,403	14,283
Milwaukee, Wis.	3,386	7,960	8,327	8,600	7,258	37,442	31,447	3,814	37,748	35,406
Minneapolis, Minn.	9,670	9,948	8,090	6,791	6,580	22,726	29,446	20,609	22,430	23,258
Mobile, Ala.	960	831	690	872	1,647	1,300	2,638	1,816	2,146	3,346
Montgomery, Ala.	369	1,072	1,015	1,444	2,916	794	1,012	1,026	2,581	3,289
Mt. Vernon, N. Y.	945	939	913	962	946	10,445	10,377	24,327	16,775	14,262
Nashville, Tenn.	2,701	1,907	2,210	2,097	2,227	5,523	6,386	5,243	7,078	5,565
Newark, N. J.	4,850	4,548	4,518	3,998	2,972	41,756	39,607	41,198	51,452	34,285
New Bedford, Mass.	1,158	1,083	830	1,422	681	6,925	8,297	2,269	2,167	1,095
New Britain, Conn.	1,263	1,473	1,559	1,437	1,227	6,132	7,717	5,789	4,104	3,532
New Haven, Conn.	2,106	1,921	2,380	1,514	1,330	8,378	8,075	10,467	11,741	8,798
New Orleans, La.	2,773	2,580	2,152	2,433	2,882	16,979	16,345	18,586	15,897	12,628
New Rochelle, N. Y.	1,066	1,031	983	905	845	8,276	9,410	8,154	9,736	11,233
New York, N. Y.:										
Borough of Brook-										
lyn.	30,700	27,696	26,094	22,431	18,358	238,514	255,222	283,059	220,969	198,285
Borough of Bronx.	8,094	7,962	10,348	11,864	10,959	131,507	157,134	214,580	172,588	180,825
Borough of Man-										
hattan.	4,143	4,066	3,880	3,832	3,787	286,643	398,981	341,256	200,321	361,723
Borough of Queens.	26,568	30,911	28,748	26,579	22,101	163,536	196,217	186,174	184,438	151,566
Borough of Rich-										
mond.	4,070	3,484	3,350	3,671	3,708	15,744	13,096	14,002	12,017	15,273
Niagara Falls, N. Y.	1,256	1,471	1,368	1,343	1,577	5,149	6,715	4,244	4,791	4,860
Norfolk, Va.	1,755	1,694	1,388	1,464	1,383	6,484	2,898	2,772	3,347	3,840
Oakland, Calif.	11,898	13,082	9,979	7,027	5,092	30,937	38,964	27,728	20,518	19,537
Oak Park, Ill.	1,275	1,095	960	1,020	836	9,750	8,085	6,470	9,081	9,290
Oklahoma City,										
Okla.	2,369	2,876	2,459	3,108	3,965	8,053	5,777	7,723	12,682	18,522
Omaha, Nebr.	2,852	2,905	1,490	1,035	1,169	12,269	14,652	9,926	4,567	9,050
Passaic, N. J.	1,000	769	766	987	975	4,424	14,652	3,337	5,603	3,062
Paterson, N. J.	2,694	2,449	2,377	2,458	2,258	7,726	6,659	7,463	6,370	7,357
Pawtucket, R. I.	1,141	1,845	1,111	1,140	991	3,696	7,709	3,724	3,587	2,823
Peoria, Ill.	1,692	1,785	1,459	1,492	1,418	4,750	5,566	5,685	3,410	3,951

¹ Data not received.

No. 827.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES—Continued

City and State	Total number of buildings					Proposed cost of buildings				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
Philadelphia, Pa.	23, 695	24, 949	17, 805	19, 082	16, 423	1,000 dollars 141, 403	1,000 dollars 171, 034	1,000 dollars 140, 093	1,000 dollars 117, 591	1,000 dollars 112, 226
Pittsburgh, Pa.	3, 619	3, 444	7, 747	7, 800	7, 070	32, 155	52, 272	43, 790	37, 111	30, 374
Portland, Me.	1, 422	1, 271	1, 165	1, 368	1, 351	3, 112	2, 002	4, 222	2, 327	2, 739
Portland, Oreg.	15, 276	15, 195	13, 250	11, 294	0, 567	20, 219	38, 470	32, 539	28, 973	21, 276
Portsmouth, Va.	466	442	370	403	472	1, 106	1, 778	557	963	689
Providence, R. I.	6, 512	7, 025	5, 207	5, 442	4, 979	29, 302	23, 196	23, 188	23, 133	10, 004
Pueblo, Colo.	1, 282	1, 266	1, 051	1, 445	1, 458	1, 086	2, 346	1, 246	1, 025	1, 467
Quincy, Ill.	270	454	421	435	369	1, 544	1, 257	1, 328	1, 073	1, 277
Racine, Wis.	1, 043	1, 295	1, 306	1, 373	1, 078	3, 432	5, 265	4, 067	6, 361	4, 417
Reading, Pa.	3, 123	2, 805	2, 542	2, 307	2, 179	0, 009	6, 814	5, 267	4, 614	3, 808
Richmond, Va.	3, 837	3, 522	3, 217	3, 391	2, 317	13, 013	19, 308	10, 025	15, 216	8, 345
Roanoke, Va.	1, 036	1, 534	1, 456	1, 156	880	4, 144	3, 425	4, 568	2, 584	3, 279
Rochester, N. Y.	7, 199	0, 864	5, 838	5, 065	4, 542	28, 319	28, 097	21, 637	22, 589	17, 621
Rockford, Ill.	1, 862	1, 959	1, 946	2, 116	1, 875	4, 103	6, 476	5, 539	6, 553	5, 737
Sacramento, Calif.	3, 184	2, 991	2, 486	2, 267	1, 859	7, 595	11, 324	7, 699	8, 514	5, 524
Saginaw, Mich.	2, 171	1, 844	1, 663	1, 426	1, 658	2, 844	2, 935	3, 085	3, 011	4, 350
St. Joseph, Mo.	530	705	688	659	234	1, 351	2, 264	1, 342	769	2, 005
St. Louis, Mo.	15, 900	15, 931	13, 634	13, 035	12, 627	39, 766	55, 657	42, 739	41, 417	42, 828
St. Paul, Minn.	6, 073	6, 234	5, 414	4, 772	4, 999	20, 771	2, 167	15, 991	10, 071	8, 700
Salem, Mass.	1, 000	811	757	774	830	3, 098	2, 107	2, 110	2, 727	1, 720
Salt Lake City, Utah	1, 534	1, 003	1, 162	1, 000	1, 024	5, 358	5, 845	5, 627	4, 856	5, 277
San Antonio, Tex.	3, 904	3, 303	3, 239	3, 401	4, 234	9, 207	9, 432	12, 072	12, 190	18, 300
San Diego, Calif.	7, 004	7, 740	7, 930	6, 652	5, 150	15, 009	18, 061	10, 831	13, 877	12, 150
San Francisco, Calif.	7, 872	8, 087	7, 385	6, 932	6, 648	57, 603	50, 093	57, 154	46, 449	37, 604
Savannah, Ga.	768	622	682	611	525	2, 287	1, 654	2, 931	2, 180	2, 137
Schenectady, N. Y.	2, 034	1, 583	1, 082	1, 102	1, 175	8, 131	7, 160	4, 010	4, 318	3, 428
Scranton, Pa.	1, 366	1, 363	4, 776	1, 141	1, 189	5, 320	5, 985	3, 741	5, 707	4, 037
Seattle, Wash.	10, 471	11, 803	10, 024	9, 906	9, 612	27, 212	30, 627	34, 218	29, 070	34, 807
Shreveport, La.	3, 333	2, 651	2, 969	2, 420	2, 921	3, 064	5, 435	6, 357	3, 940	4, 346
Sioux City, Iowa	1, 371	1, 430	964	741	790	4, 669	3, 611	4, 266	1, 868	2, 170
Somerville, Mass.	1, 040	1, 067	1, 044	822	407	2, 306	5, 653	5, 066	3, 380	1, 424
South Bend, Ind.	3, 611	2, 983	4, 274	2, 406	2, 524	5, 306	8, 445	9, 753	4, 859	6, 363
Spokane, Wash.	2, 437	2, 740	2, 413	2, 142	2, 187	3, 283	4, 367	4, 191	3, 657	5, 737
Springfield, Ill.	2, 107	1, 922	1, 367	1, 134	1, 105	0, 198	5, 527	5, 251	3, 770	3, 739
Springfield, Mass.	3, 116	2, 765	2, 275	1, 954	1, 539	13, 100	15, 002	8, 734	8, 906	5, 977
Springfield, Ohio	1, 196	1, 215	1, 174	945	1, 017	1, 924	1, 543	1, 447	1, 694	1, 557
Stockton, Calif.	1, 454	1, 519	1, 191	1, 168	926	4, 112	3, 814	2, 731	2, 803	1, 776
Superior, Wis.	797	891	651	490	614	1, 371	3, 223	2, 136	1, 277	1, 852
Syracuse, N. Y.	3, 615	3, 546	3, 394	3, 061	3, 103	9, 467	11, 320	14, 274	21, 990	13, 220
Tacoma, Wash.	4, 064	3, 759	4, 555	2, 453	2, 341	8, 368	7, 074	11, 088	4, 765	4, 660
Tampa, Fla.	4, 030	7, 020	8, 350	4, 755	3, 637	6, 573	22, 759	15, 480	6, 145	3, 617
Torre Haute, Ind.	2, 380	1, 897	1, 755	1, 586	1, 696	2, 712	1, 538	2, 064	1, 213	973
Toledo, Ohio	7, 047	6, 349	6, 034	6, 192	5, 334	15, 812	15, 503	13, 046	15, 514	17, 343
Topeka, Kans.	1, 654	1, 484	1, 393	1, 231	1, 117	2, 598	3, 176	3, 570	2, 222	1, 902
Trenton, N. J.	2, 296	2, 377	1, 476	1, 353	1, 062	5, 751	7, 923	4, 931	4, 530	4, 106
Troy, N. Y.	1, 000	896	808	935	774	4, 236	3, 002	2, 602	3, 206	1, 324
Tulsa, Okla.	2, 117	2, 746	2, 358	3, 466	3, 329	7, 934	10, 016	7, 230	14, 792	13, 411
Union City, N. J.	402	652	862	1, 075	674	1, 373	1, 708	1, 933	3, 410	1, 121
Utica, N. Y.	1, 102	1, 024	876	672	680	7, 775	5, 157	5, 532	3, 381	3, 017
Washington, D. C.	8, 927	10, 805	9, 324	6, 954	6, 916	48, 090	65, 490	64, 070	39, 293	53, 975
Waterbury, Conn.	1, 295	1, 109	921	1, 287	907	3, 934	5, 088	5, 252	5, 016	3, 483
Wheeling, W. Va.	1, 468	1, 166	977	1, 081	843	5, 147	4, 263	1, 821	3, 014	1, 967
Wichita, Kans.	2, 907	2, 341	2, 278	2, 322	2, 390	4, 293	5, 042	5, 134	5, 849	7, 974
Wilkes-Barre, Pa.	1, 700	1, 560	1, 405	1, 376	1, 337	4, 522	3, 901	3, 941	4, 934	3, 596
Wilmington, Del.	1, 782	1, 030	2, 118	1, 924	1, 969	3, 776	3, 987	4, 371	6, 806	5, 577
Worcester, Mass.	3, 403	3, 133	2, 820	2, 381	1, 999	14, 708	18, 089	12, 985	8, 315	7, 260
Yonkers, N. Y.	1, 386	1, 762	1, 855	2, 003	1, 934	13, 289	19, 899	25, 644	32, 586	35, 619
York, Pa.	1, 659	1, 078	870	718	954	2, 941	3, 263	1, 242	1, 589	2, 065
Youngstown, Ohio	3, 054	2, 813	2, 405	22, 91	2, 191	11, 942	11, 953	9, 614	9, 007	8, 658

1 Formerly West Hoboken.

Source: Bureau of Labor Statistics, Department of Labor.

No. 828.—BUILDING PERMITS ISSUED, BY CLASSES

NOTE.—See headnote, Table 827. Figures for 1927 and 1928 represent 302 identical cities, while those for 1926 are for 292 cities only

Class of building	Number of buildings			Proposed cost (thousands of dollars)		
	1926	1927	1928	1926	1927	1928
All buildings.....	506, 861	440, 876	362, 514	3, 623, 987	3, 240, 441	3, 089, 076
Residential buildings.....	251, 496	208, 763	180, 534	2, 292, 577	1, 961, 900	1, 908, 822
1-family dwellings.....	200, 373	164, 268	143, 889	938, 578	780, 383	710, 901
2-family dwellings.....	29, 860	25, 227	19, 956	250, 795	208, 578	158, 128
1-family and 2-family dwellings with stores.....	4, 169	3, 329	2, 620	44, 105	34, 979	26, 679
Multi-family dwellings.....	14, 993	13, 663	12, 063	793, 497	736, 830	776, 419
Multi-family dwellings with stores.....	1, 502	1, 783	1, 528	81, 162	90, 667	90, 755
Hotels.....	306	201	234	145, 278	69, 993	114, 200
Lodging houses.....	60	79	37	808	1, 305	781
Other.....	233	213	207	38, 354	30, 764	35, 370
Nonresidential buildings.....	255, 365	232, 113	201, 980	1, 331, 410	1, 278, 542	1, 180, 753
Amusement buildings.....	963	943	947	135, 480	128, 209	84, 677
Churches.....	1, 188	1, 118	1, 002	66, 698	58, 890	48, 852
Factories and workshops.....	4, 855	4, 181	3, 932	179, 854	141, 307	152, 411
Public garages.....	4, 456	4, 192	3, 836	75, 510	74, 396	70, 656
Private garages.....	197, 106	181, 859	165, 478	78, 100	65, 449	54, 921
Service stations.....	4, 250	4, 919	4, 462	15, 305	15, 022	14, 769
Institutions.....	290	332	303	49, 630	75, 132	65, 002
Office buildings.....	1, 711	1, 271	1, 352	262, 563	242, 853	255, 801
Public buildings.....	277	339	243	31, 681	47, 451	29, 378
Public works and utilities.....	779	693	516	43, 829	45, 389	38, 671
Schools and libraries.....	886	837	843	152, 720	155, 542	142, 154
Sheds.....	16, 523	13, 008	11, 668	7, 366	5, 001	4, 870
Stables and barns.....	607	358	356	845	823	581
Stores and warehouses.....	15, 702	13, 280	12, 925	216, 381	215, 747	210, 806
All other.....	5, 872	4, 283	4, 127	15, 447	7, 239	7, 704

Source: Bureau of Labor Statistics, Department of Labor.

No. 829.—INDEX NUMBERS OF BUILDING MATERIAL PRICES AND CONSTRUCTION COSTS

[Monthly average 1923-1925=100]

Year and quarterly average	(1) Wholesale price indexes of—							(2) Construction costs	(3) Factory building costs	(4) Frame house materials, retail prices	(4) Brick house materials, retail prices
	All building materials	Lumber	Brick, common (average 82 yards)	Cement f. o. b. plant near Chicago	Structural steel	Paint materials	Other building materials				
1913.....	54.4	52.0	38.0	56.5	68.0	49.1	61.1	47.1	---	49.7	49.2
1914.....	50.6	48.0	37.9	52.2	52.9	49.0	57.8	41.8	50.5	---	---
1915.....	51.3	46.9	38.2	48.4	57.6	53.0	63.0	43.7	---	---	---
1916.....	64.9	53.0	41.4	62.0	113.7	74.6	85.0	69.5	---	---	---
1917.....	84.6	69.5	49.0	76.2	168.3	92.2	110.4	85.4	---	---	---
1918.....	94.6	80.4	65.1	89.8	135.1	117.9	117.1	89.2	---	---	---
1919.....	110.9	108.8	89.7	97.1	113.5	135.7	113.1	93.5	---	---	---
1920.....	144.0	159.0	115.6	111.2	127.3	143.2	130.7	118.5	---	---	---
1921.....	93.5	85.6	103.2	105.1	92.1	81.1	107.6	95.1	90.1	---	---
1922.....	93.4	95.4	97.1	98.2	78.0	90.7	92.3	82.3	85.9	90.5	91.6
1923.....	104.3	107.6	101.2	102.4	109.1	93.0	102.1	100.9	101.0	102.7	103.0
1924.....	98.2	95.6	101.0	100.3	100.7	96.4	100.7	101.6	100.1	100.0	100.1
1925.....	97.6	96.8	97.8	97.3	90.1	105.7	97.2	97.6	98.1	97.2	96.8
1926.....	96.0	96.2	97.7	94.9	88.2	96.7	96.8	98.1	99.5	96.7	95.9
1927.....	89.5	89.0	91.0	91.7	83.5	88.0	91.1	97.3	97.2	92.9	92.6
1928.....	89.9	86.7	90.5	91.0	84.0	83.8	98.1	97.5	96.4	88.4	90.1
1927											
January-March.....	92.5	92.3	96.7	92.2	87.8	91.2	93.8	99.1	98.1	94.7	93.5
April-June.....	91.1	91.4	91.3	91.6	84.8	89.5	92.2	97.6	97.4	94.1	93.1
July-September.....	89.2	88.9	91.0	91.6	81.1	88.3	90.0	96.3	96.0	92.9	92.5
October-December.....	87.1	86.1	90.1	91.6	80.3	83.6	88.9	95.9	96.4	89.9	91.4
1928											
January-March.....	87.2	85.5	90.2	91.6	83.3	83.6	89.9	96.4	96.7	90.0	91.2
April-June.....	89.5	84.9	90.7	91.6	84.4	83.1	99.3	97.4	96.6	88.1	90.0
July-September.....	90.8	87.0	90.5	91.0	83.3	83.7	100.9	97.6	96.4	87.5	89.2
October-December.....	92.1	89.2	90.6	89.8	84.8	84.8	102.3	98.6	96.2	87.9	89.0

Sources: (1) Department of Labor; (2) Lumber, steel, cement, and rates paid common labor, Engineering News-Record; (3) Standard factory building, Aberthaw Construction Co.; (4) Retail prices of building material in 60 cities, Department of Commerce.

No. 830.—CONSTRUCTION CONTRACTS AWARDED

Nore.—Data compiled from reports covering contracts awarded in small towns and rural districts as well as large cities. Certain public works (roads, etc.) not in the nature of buildings have no floor space reported. The total value of contracts awarded for the 26 States for years prior to 1915 were as follows: 1910, \$895,700,000; 1911, \$777,456,000; 1912, \$668,103,000; 1913, \$857,700,000; 1914, \$720,240,000

[Floor space in thousands of square feet; values in thousands of dollars]

Year	Total	Residential	Commercial	Industrial	Public works and utilities	Educational	Hospitals and institutions	All other
27 NORTHERN AND EASTERN STATES¹								
Number of projects²								
1910	82,342	47,990	13,102	7,637	7,843	1,907	582	3,191
1920	57,851	28,966	10,752	6,137	6,406	2,027	537	2,976
1921	73,243	49,421	10,132	8,287	8,453	2,727	847	3,678
1922	107,062	72,996	12,636	3,876	10,427	3,301	718	3,690
1923	105,468	71,536	12,715	4,051	10,483	2,768	605	3,300
1924	128,082	77,713	12,172	3,463	8,673	2,703	660	3,578
1925	132,108	96,822	13,925	4,274	9,125	2,960	733	4,269
1926	132,338	98,722	14,728	4,620	10,885	2,935	709	4,649
1927	143,980	100,138	16,068	4,557	13,451	3,362	907	5,426
1928	161,142	112,710	18,063	4,949	18,867	3,499	963	5,101
Floor space of buildings:								
1915	(³)	\$228,000	(⁴)	\$63,696	(⁵)	(⁶)	(⁷)	(⁸)
1916	(³)	\$218,004	(⁴)	\$96,600	(⁵)	(⁶)	(⁷)	(⁸)
1917	(³)	\$150,996	(⁴)	\$108,504	(⁵)	(⁶)	(⁷)	(⁸)
1918	(³)	\$194,604	(⁴)	\$180,900	(⁵)	(⁶)	(⁷)	(⁸)
1919	550,219	241,880	110,884	153,268	—	22,979	6,821	24,388
1920	401,894	137,624	82,434	127,830	—	26,278	6,277	21,551
1921	387,220	204,876	65,235	35,771	—	40,583	10,983	30,882
1922	673,856	311,407	66,238	65,500	—	64,592	11,779	35,295
1923	591,976	354,237	92,788	62,205	—	44,832	9,907	28,397
1924	600,916	371,238	95,891	40,907	—	46,875	12,707	33,285
1925	762,146	470,207	124,064	58,719	—	61,204	13,020	45,932
1926	741,270	450,249	121,390	67,764	—	44,478	13,131	44,610
1927	723,655	434,856	118,840	58,852	—	45,197	15,967	49,640
1928	834,680	507,980	134,206	76,812	—	52,986	18,138	44,528
Value of contracts:								
1915	940,092	417,984	(⁴)	106,044	(⁵)	(⁶)	(⁷)	415,184
1916	1,366,984	483,300	(⁴)	182,544	(⁵)	(⁶)	(⁷)	601,140
1917	1,618,167	354,676	(⁴)	248,016	(⁵)	(⁶)	(⁷)	1,015,565
1918	1,680,240	304,572	(⁴)	482,424	(⁵)	(⁶)	(⁷)	902,244
1919	2,579,881	849,208	405,666	512,924	502,006	119,515	39,102	151,372
1920	2,583,222	866,123	419,653	688,965	580,345	172,299	47,543	172,206
1921	2,360,189	877,870	338,028	173,316	459,850	243,662	70,135	107,632
1922	3,362,657	1,847,167	406,800	325,000	562,166	303,347	68,628	232,050
1923	3,404,118	1,682,761	446,124	378,815	557,898	272,620	62,044	194,487
1924	3,870,638	1,842,463	522,284	285,187	577,327	317,147	98,341	236,880
1925	5,043,028	2,369,907	717,253	418,321	704,113	369,490	97,684	381,311
1926	5,421,677	2,338,838	784,145	592,326	861,282	321,125	120,835	403,146
1927	5,473,161	2,326,942	834,425	376,761	1,026,444	323,780	148,980	496,829
1928	5,843,852	2,551,170	785,347	606,084	1,138,278	347,167	163,725	367,081
37 STATES⁶								
Number of projects:								
1925	173,722	127,679	19,033	5,316	11,066	4,024	920	5,685
1926	170,723	120,473	20,249	5,777	13,261	3,993	985	5,985
1927	184,604	128,436	21,616	5,637	16,289	4,497	1,194	6,944
1928	200,267	139,133	23,583	6,067	19,012	4,761	1,141	6,560
Floor space of buildings:								
1925	924,007	559,521	160,067	70,294	—	61,308	14,036	58,738
1926	877,120	521,061	161,930	80,843	—	64,566	14,790	53,982
1927	840,923	494,468	141,815	70,855	—	65,475	18,803	59,517
1928	958,959	607,831	169,192	95,382	—	63,293	20,004	53,776
Value of contracts:								
1925	6,007,598	2,747,882	872,444	490,042	901,619	426,386	111,060	457,277
1926	6,884,406	2,674,210	920,891	698,805	1,115,098	381,078	133,102	465,522
1927	6,303,065	2,973,317	932,011	494,050	1,268,835	379,798	162,474	496,873
1928	6,638,186	2,794,317	884,610	634,390	1,337,981	400,897	164,728	418,313

¹ Prior to May, 1921, these figures covered the 26 States north and east of, and including, North Dakota, South Dakota, Iowa, Missouri, Tennessee, and Virginia, together with portions of eastern Kansas and Nebraska, and the District of Columbia. Beginning May, 1921, North Carolina and South Carolina were added to the list, but this addition is stated to have little effect upon the total.

² No data available prior to 1919.

³ Estimates made by the F. W. Dodge Corporation.

⁴ Data not reported separately prior to 1919, but included with "All other."

⁵ Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.

Source: The F. W. Dodge Corporation.

No. 831.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: BY MONTHS

NOTE.—See headnote, Table 830

Month	Floor space of buildings ¹ (thousands of square feet)				Value of construction (thousands of dollars)			
	1925	1926	1927	1928	1925	1926	1927	1928
Total	924,007	877,120	840,923	958,989	6,007,598	6,384,406	6,303,055	6,636,198
January.....	49,085	65,402	52,790	63,480	309,651	457,150	384,455	427,169
February.....	48,000	56,323	54,203	68,662	310,883	407,900	393,583	465,331
March.....	75,862	85,458	86,880	87,633	491,011	623,879	620,738	592,567
April.....	85,309	85,849	83,150	94,267	567,607	670,614	604,301	643,137
May.....	81,246	84,135	73,016	93,526	508,712	649,815	562,349	668,007
June.....	80,574	77,104	77,293	94,087	561,052	647,792	632,478	660,466
July.....	85,680	68,043	67,130	81,674	547,106	518,932	534,300	583,432
August.....	91,587	75,450	72,398	78,387	611,366	605,808	562,488	516,970
September.....	84,870	74,107	60,913	75,081	560,470	562,372	521,010	587,674
October.....	83,643	71,728	76,051	85,307	530,254	515,727	562,810	597,104
November.....	79,007	70,121	68,544	72,730	474,793	487,013	466,394	471,482
December.....	77,646	63,794	62,486	64,165	528,845	537,397	477,364	432,766

¹ Does not include floor space for public works and public utilities.

No. 832.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: BY CLASSES AND DISTRICTS

NOTE.—See headnote, Table 830. Philadelphia district includes eastern Pennsylvania, southern New Jersey, Maryland, Delaware, District of Columbia, and Virginia; Pittsburgh district, western Pennsylvania, West Virginia, Ohio, and Kentucky; Southeastern district, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee, Arkansas, and Louisiana; Chicago-St. Louis district, Illinois, Indiana, Iowa, Wisconsin, southern Michigan, Missouri, Kansas, Nebraska, and Oklahoma; Minneapolis district, Minnesota, North Dakota, South Dakota, and northern Michigan

Year and class	37 States	New England	New York and northern New Jersey	Philadelphia	Pittsburgh	Southeastern	Chicago-St. Louis	Minneapolis	Texas
Total, all classes:									
1925.....	924,007	82,322	251,363	96,005	90,752	125,404	218,654	17,050	30,457
1926.....	877,120	70,939	261,310	96,850	80,227	97,189	220,200	15,949	38,691
1927.....	840,923	62,581	223,007	96,008	80,105	79,891	243,183	12,771	37,377
1928.....	958,989	71,936	271,289	111,712	85,476	80,214	282,604	11,373	38,080
1928									
Residential.....	567,831	44,828	187,874	65,610	42,219	40,343	161,387	5,462	10,506
Commercial.....	159,192	11,070	42,060	14,267	14,200	16,186	49,982	2,547	8,790
Industrial.....	95,382	5,741	10,485	13,943	13,190	14,726	32,720	724	3,844
Educational.....	63,203	4,564	14,514	7,743	7,707	7,639	17,255	1,214	2,570
Hospitals and institutions.....	20,004	1,578	5,821	2,660	2,385	1,346	4,902	537	476
All other.....	53,377	4,105	10,745	7,490	5,175	5,971	16,057	890	2,883
Total, all classes:									
1925.....	6,007,598	477,181	1,601,829	652,318	628,612	779,212	1,488,060	95,229	185,368
1926.....	6,384,406	441,583	1,775,061	689,414	741,368	730,317	1,672,183	102,118	232,412
1927.....	6,303,055	412,767	1,684,446	721,148	758,135	610,789	1,812,849	83,813	210,105
1928.....	6,636,198	496,481	1,814,317	787,673	724,410	500,925	1,940,775	80,101	231,400
1928									
Residential.....	2,794,317	203,349	936,084	333,893	220,592	163,941	826,340	24,043	70,207
Commercial.....	884,610	62,482	263,517	88,091	74,551	62,200	283,517	12,659	37,054
Industrial.....	635,390	36,648	54,186	106,386	98,767	96,519	161,398	3,748	82,787
Educational.....	400,897	33,966	101,967	52,033	46,098	30,323	106,944	6,160	14,407
Public works and utilities.....	1,327,931	62,874	312,766	122,659	218,007	155,270	398,167	28,806	40,374
Hospitals and institutions.....	104,728	13,847	54,191	22,656	24,640	8,300	35,042	3,348	2,665
All other.....	418,313	33,314	91,656	61,385	40,761	35,346	134,308	5,598	15,880

¹ Excludes floor space for public works and public utilities.

Source of Tables 831 and 832: the F. W. Dodge Corporation.

No. 833.—PATENTS AND CERTIFICATES OF REGISTRATION ISSUED SINCE INITIATION OF THE PATENT SYSTEM

NOTE.—The number of patents granted prior to July 28, 1836, was 9,967

Calendar year or period	Patent applications ¹	Caveats filed ²	Patents issued				Certificates of registration issued		
			Total	Patents	Designs	Reissues	Total	Trade-marks	Labels and prints
1836-1850 ³	14,062	4,763	8,887	7,804	340	183			
1851-1860	44,302	9,571	25,087	23,140	1,025	922			
1861-1870	120,708	22,228	85,910	79,612	3,181	3,117	121	121	
1871-1880	206,436	29,350	138,355	125,520	7,535	5,300	10,394	8,019	2,378
1881-1890	352,475	25,012	217,821	207,850	8,357	1,614	14,660	10,636	4,024
1891-1900	410,049	21,199	234,956	220,840	13,374	742	18,794	16,908	1,891
1901-1906	253,417	9,103	148,291	143,791	3,953	547	18,590	12,768	5,822
1906-1910	307,187	8,880	175,618	171,560	3,297	761	36,375	32,060	4,315
1911-1915	359,937		194,387	180,241	7,295	851	32,381	27,369	5,012
1916-1920	368,236		207,108	197,644	8,458	978	35,364	30,681	4,683
1921-1925	426,597		217,525	203,977	12,326	1,222	79,288	68,881	10,407
1901	40,449	1,842	27,373	25,558	1,734	81	2,965	1,928	1,037
1902	49,641	1,861	27,880	27,136	640	110	2,931	2,006	925
1903	50,213	1,771	31,699	31,046	536	117	3,446	2,186	1,260
1904	52,143	1,808	30,934	30,267	557	110	3,569	2,158	1,411
1905	54,971	1,896	30,390	29,784	486	129	5,079	4,490	1,189
1906	56,482	1,885	31,965	31,181	625	159	11,933	10,568	1,365
1907	58,762	1,907	30,620	30,880	589	151	8,860	7,878	982
1908	61,475	2,110	33,682	32,767	757	169	9,029	5,191	898
1909	65,839	1,948	37,421	36,374	687	160	4,824	4,184	640
1910	64,629	970	35,980	35,168	689	123	4,729	4,239	490
1911	69,121		34,084	32,017	1,010	157	5,112	4,205	907
1912	70,377		37,731	36,231	1,342	158	5,896	5,020	876
1913	70,367		35,733	33,941	1,688	164	6,063	5,065	968
1914	70,404		41,850	39,945	1,715	180	7,874	6,817	1,057
1915	70,069		44,934	43,207	1,545	182	7,436	6,262	1,174
1916	71,033		45,927	43,970	1,759	198	8,087	6,791	1,296
1917	70,373		42,760	41,069	1,512	179	6,197	5,339	858
1918	59,615		39,941	38,569	1,207	165	4,912	4,061	851
1919	80,400		38,698	36,872	1,523	203	4,874	4,208	666
1920	86,815		30,882	37,164	2,485	233	11,294	10,282	1,012
1921	93,328		41,401	37,885	3,277	239	13,605	11,654	1,951
1922	88,930		40,297	38,414	1,927	256	14,992	12,793	2,199
1923	79,058		40,787	38,634	1,927	228	16,725	14,845	1,880
1924	80,756		45,500	42,694	2,671	235	17,562	15,749	1,813
1925	84,525		49,540	46,450	2,824	266	16,404	13,840	2,564
1926	86,028		47,027	44,750	2,602	275	18,819	16,240	2,573
1927	92,013		44,444	41,731	2,387	328	20,548	17,649	2,899
1928	87,476		45,899	42,376	3,188	335	19,184	16,191	2,993

¹ Including patents, designs, and reissues.

² Caveat law repealed June 25, 1910.

³ July 28, 1836, to Dec. 31, 1850.

⁴ Registration of labels suspended from May 27, 1891, to June 9, 1896.

⁵ Figures include 4,282 renewals in 1926, 3,063 in 1927, and 2,049 in 1928.

Source: Reports of the Commissioner of Patents.

APPENDIX

UNITED STATES UNITS WITH METRIC EQUIVALENTS

1 inch=2.540 centimeters.
 1 foot=0.3048 meter.
 1 yard=0.9144 meter.
 1 mile=1.609 kilometers.
 1 square yard=0.8361 square meter.
 1 acre=0.4047 hectare.
 1 square mile=2.590 square kilometers.
 1 cubic inch=16.39 cubic centimeters.
 1 cubic foot=0.02832 cubic meter.
 1 cubic yard=0.7646 cubic meter.
 1 liquid quart=0.9463 liter.
 1 gallon=231 cubic inches=3.785 liters.
 1 bushel (measured)=2,150.4 cubic inches=35.24 liters.
 1 avoirdupois ounce=28.35 grams.
 1 troy ounce=31.10 grams.
 1 pound=0.4536 kilogram.
 1 long ton=2,240 pounds=1.0160 metric tons of 1,000 kilograms.
 1 short ton=2,000 pounds=0.9072 metric ton.

UNITED STATES GALLON AND BUSHEL WITH BRITISH EQUIVALENTS

1 United States gallon=231 cubic inches=0.8331 imperial gallon.
 1 United States bushel=2,150.4 cubic inches=0.9694 imperial bushel.

OFFICIAL WEIGHTS OF THE BARREL OF NONLIQUID PRODUCTS

	Pounds	Kilo-grams
Wheat flour, barley flour, rye flour, and corn meal (net) ¹	196	88.90
Rosin, tar, and pitch (gross).....	500	226.80
Fish, pickled (net).....	200	90.72
Lime (net).....	200	90.72
Cement (4 bags counted as 1 barrel) (net) ¹	376	170.55

¹ Except as noted.

OFFICIAL WEIGHTS OF THE UNITED STATES BUSHEL

	Pounds	Kilo-grams
Wheat, beans, peas, potatoes.....	60	27.22
Rye, corn (maize), linseed (flaxseed), maslin (mixed grain).....	56	25.40
Barley, buckwheat.....	48	21.77
Onions.....	57	26.86
Rough rice.....	45	20.41
Malt.....	34	15.42
Oats.....	82	14.51
Peanuts, green, in shell.....	22	0.98
Castor beans.....	50	22.68

APPROXIMATE WEIGHT OF PETROLEUM AND PRODUCTS

In the United States petroleum and its products are measured by bulk, not weight. Whether handled in containers or without them the quantities are customarily reduced to the equivalent of barrels of 42 United States gallons (barrel thus equals 158.984 liters). In many foreign countries these commodities are measured by weight. The specific gravity of the different grades of crude petroleum and of the finished products varies materially. On the basis of approximate averages the Department of Commerce in converting foreign weight statistics to gallons or barrels of 42 gallons uses the factors shown in the following table:

	Weight of United States gallon		Weight of barrel of 42 gallons	
	Pounds	Kilo-grams	Pounds	Kilo-grams
Crude petroleum.....	7.3	3.311	306.6	139.07
Lubricating oils.....	7.0	3.175	294.0	133.36
Illuminating oils (kerosene).....	6.6	2.994	277.2	125.74
Gasoline and related products (motor spirit, benzine, etc.).....	6.1	2.767	256.2	116.21
Fuel and gas oils.....	7.7	3.493	323.4	146.09

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