14. PRICES

GENERAL NOTE.—The wholesale price index of the Department of Labor is based on primary market quotations of 784 commodities beginning 1926; a smaller number of commodities was covered in earlier years. 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. [illegible] in computing indexes for commodity groups, articles falling under more than one [illegible] adopted were included under each classification. For example, articles produced on [illegible] the consumer practically [illegible] as potatoes, milk, and eggs, were included among both farm products and foods. [illegible] the index for all commodities such articles were counted only once.

The retail food index is based on the weighted average quotations (weighted by average family consumption in 1918), secured from retail stores in 51 cities since 1920 (from a smaller number in earlier years) for 22 commodities from 1913 to 1920, and 42 commodities beginning 1921. Prior to August 1933, prices were collected on the 15th of the month; thereafter they were collected every 2 weeks.

The farm price index is based on prices paid to producers for 34 major crops and beginning 1924, also 13 commercial truck crops: 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 1924 to 1929.

No. 314.—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:													
1918	131.3	125.0	122.7	126.4	128.3	128.1	129.0	132.0	134.3	137.5	136.3	136.3	136.3
1919	138.6	134.4	129.8	131.3	133.0	135.3	135.6	141.1	144.3	141.1	141.6	144.5	150.5
1920	154.4	157.7	157.1	158.6	165.5	167.2	166.5	165.8	161.4	155.2	144.2	133.4	120.7
1921	97.6	114.0	104.9	102.4	98.9	96.2	93.4	93.4	93.5	93.4	94.1	94.2	92.9
1922	96.7	91.4	92.9	92.8	93.2	96.1	96.3	99.4	98.6	99.3	99.6	100.5	100.7
1923	100.6	102.0	103.3	104.5	103.9	101.9	100.3	98.4	97.8	99.7	99.4	98.4	98.1
1924	98.1	99.6	99.7	98.5	97.3	95.9	94.9	95.6	97.0	97.1	98.2	99.1	101.5
1925	103.5	102.9	104.0	104.2	101.9	101.6	103.0	104.3	103.9	103.4	103.6	104.5	103.4
1926	100.0	103.2	102.0	100.6	100.3	100.5	100.4	99.5	99.1	99.7	99.4	98.4	97.9
1927	95.4	96.5	95.8	94.7	94.1	94.2	94.1	94.3	95.2	96.3	96.6	96.3	96.4
1928	96.7	96.4	95.8	95.5	96.6	97.5	96.7	97.4	97.6	98.6	96.7	95.8	95.8
1929	95.3	95.9	95.4	96.1	95.5	94.7	95.2	96.5	96.3	96.1	95.1	93.5	93.3
1930	86.4	92.5	91.4	90.2	90.0	88.8	86.8	84.4	84.3	84.4	83.0	81.3	79.6
1931	73.0	78.2	76.8	76.0	74.8	73.2	72.1	72.0	72.1	71.2	70.3	70.2	68.6
1932	64.8	67.3	66.3	66.0	65.5	64.4	63.9	64.5	65.2	65.3	64.4	63.9	62.6
1933	65.9	61.0	59.8	60.2	60.4	62.7	65.0	68.9	69.5	70.8	71.2	71.1	70.8
	1913 average=100												
Retail food prices:													
1918	168.3	160	161	154	154	158	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	153	152	150
1922	141.6	142	142	139	139	139	141	142	139	140	143	145	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	150.3
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	151.5
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	164.3	161.5	159.9	162.4	161.1	159.7	157.0	155.7	158.5	160.0	161.6	161.8
1927	155.4	159.3	156.0	153.8	153.6	155.4	158.5	153.4	152.4	154.0	156.1	156.5	155.9
1928	154.3	155.1	151.6	151.4	152.1	153.8	152.6	152.8	154.2	157.8	156.8	157.3	155.8
1929	156.7	154.6	154.4	153.0	151.6	153.3	154.8	158.5	160.2	160.8	160.5	159.7	158.0
1930	147.1	155.4	153.0	150.1	151.2	150.1	147.9	144.0	143.7	145.6	144.4	141.4	137.2
1931	121.3	132.8	127.0	126.4	124.0	121.0	118.3	119.0	119.7	119.4	119.1	116.7	114.3
1932	102.1	109.3	105.3	105.0	103.7	101.3	100.1	101.0	100.8	100.3	100.4	99.4	98.7
1933	99.7	94.8	90.9	90.5	90.4	93.7	96.7	104.8	106.7	107.0	107.3	106.8	103.9
	August, 1909–July, 1914=100												
Farm prices:[1]													
1918	202	198	200	199	197	196	193	197	207	213	209	205	208
1919	213	206	197	197	206	213	213	220	223	215	219	227	227
1920	211	229	228	229	239	244	242	231	213	197	183	165	148
1921	125	142	130	127	118	113	113	116	123	128	134	130	130
1922	132	123	128	130	130	134	136	134	131	129	133	137	143
1923	142	146	144	143	143	141	137	136	137	142	144	147	148
1924	143	148	147	140	139	137	138	139	147	141	147	145	148
1925	156	155	154	156	152	152	156	158	160	155	156	156	155
1926	145	153	152	149	151	150	148	144	141	143	138	138	135
1927	139	133	132	131	131	134	138	139	142	148	148	147	147
1928	149	149	144	145	148	155	150	152	145	149	148	146	147
1929	146	147	145	146	144	142	142	147	152	150	149	145	147
1930	126	145	140	135	136	134	131	120	118	120	113	110	104
1931	87	101	95	97	97	92	86	86	82	80	77	79	75
1932	65	71	68	69	67	63	58	63	65	66	64	62	63
1933	70	60	55	55	58	68	71	83	79	80	78	80	78

[1] Revised series. Truck crops are included beginning 1924.

Sources: Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

No. 315.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

NOTE.—See general note, page 283. For indexes for all commodities for prior years see Table 316. For index [illegible] 1923–1925 as 100) showing price changes in farm products and foods compared [illegible] modities combined, see Table 549, p. 573

[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	47.9	54.6	37.0	92.2	44.2	74.0	50.4	94.3
1892	52.2	49.5	51.0	47.2	55.2	34.8	84.0	41.7	74.6	48.1	86.6
1893	53.4	51.3	54.7	45.1	54.1	35.3	76.8	41.6	72.7	48.1	89.0
1894	47.9	44.6	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	49.4	44.3	40.3	70.4	38.8	64.7	43.5	88.9
1896	46.5	39.6	44.1	45.2	43.1	39.5	71.2	38.9	65.0	43.4	90.2
1897	46.6	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	49.4	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	98.0	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	49.9	52.8	60.3	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	53.9	54.1	49.6	89.1	48.1	82.3	49.7	117.4
1906	61.8	57.3	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	79.6	51.6	97.8
1909	67.6	69.6	62.6	61.5	56.5	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	72.6	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	54.6	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	98.6	182.3	93.3	134.4
1919	138.6	157.6	129.5	174.1	135.3	104.3	130.9	115.6	157.0	105.9	139.1
1920	154.4	150.7	137.4	171.3	164.8	163.7	149.4	150.1	164.7	141.8	167.5
1921	97.6	88.4	90.6	109.2	94.5	96.8	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	100.6	98.6	92.7	104.2	111.3	97.3	109.3	108.7	101.1	108.9	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	109.8	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	99.4	96.7	107.7	95.6	88.3	96.3	94.7	96.8	97.5	91.0
1928	96.7	105.9	101.0	121.4	95.5	84.3	97.0	94.1	95.6	95.1	85.4
1929	95.3	104.9	99.9	109.1	90.4	83.0	100.5	95.4	94.2	94.3	82.6
1930	86.4	88.3	90.5	100.0	80.3	78.5	92.1	89.9	89.1	92.7	77.7
1931	73.0	64.8	74.6	86.1	66.3	67.5	84.5	79.2	79.3	84.9	69.8
1932	64.8	48.2	61.0	72.9	54.9	70.3	80.2	71.4	73.5	75.1	64.4
1933	65.9	51.4	60.5	80.9	64.8	66.3	79.8	77.0	72.6	75.8	62.5
1933 (1913=100)	*94.4*	*71.9*	*94.2*	*118.8*	*113.1*	*108.2*	*87.9*	*135.8*	*90.5*	*134.6*	*67.1*
1931											
January–March	77.0	71.3	78.8	87.7	70.7	71.4	86.6	82.9	83.6	88.1	71.9
April–June	73.4	67.5	74.5	87.7	67.4	64.5	85.0	80.3	80.4	87.0	70.6
July–September	71.8	63.0	74.1	87.7	65.5	65.6	84.0	77.6	77.4	84.4	68.7
October–December	69.7	57.7	71.1	81.3	62.0	68.5	82.5	76.0	75.9	80.1	67.4
1932											
January–March	66.5	51.2	63.2	78.3	59.0	68.0	81.2	73.8	75.5	77.4	65.0
April–June	64.6	47.2	59.7	72.8	54.4	70.8	80.1	71.6	73.7	75.3	64.4
July–September	65.0	48.7	61.5	70.2	53.3	71.7	79.8	69.9	73.1	73.8	64.5
October–December	63.6	45.9	59.8	71.3	54.0	70.6	79.8	70.7	72.5	73.7	63.7
1933											
January	61.0	42.6	55.8	68.9	51.9	66.0	78.2	70.1	71.6	72.9	61.2
February	59.8	40.9	53.7	68.0	51.2	63.6	77.4	69.8	71.3	72.3	59.8
March	60.2	42.8	54.6	68.1	51.3	62.9	77.2	70.3	71.2	72.2	58.9
April	60.4	44.5	56.1	69.4	51.8	61.5	76.9	70.2	71.4	71.5	57.8
May	62.7	50.2	59.4	76.9	55.9	60.4	77.7	71.4	73.2	71.7	58.9
June	65.0	53.2	61.2	82.4	61.5	61.5	79.3	74.7	73.7	73.4	60.8
July	68.9	60.1	65.5	86.3	68.0	65.3	80.6	79.5	73.2	74.8	64.0
August	69.5	57.6	64.8	91.7	74.6	65.5	81.2	81.3	73.1	77.6	65.4
September	70.8	57.0	64.9	92.3	76.9	70.4	82.1	82.7	72.7	79.3	65.1
October	71.2	55.7	64.2	89.0	77.1	73.6	83.0	83.9	72.7	81.2	65.3
November	71.1	56.6	64.3	88.2	76.8	73.5	82.7	84.9	73.4	81.0	65.5
December	70.8	55.5	62.5	89.2	76.4	73.4	83.5	85.6	73.7	81.0	65.7

Source: Bureau of Labor Statistics, Department of Labor.

No. 316.—WHOLESALE PRICES: INDEX NUMBERS, 1860 TO 1889

NOTE.—1926=100. 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 1926 base by the Bureau of Labor Statistics, Department of Labor

Year	General index	Year	General index	Year	General index
1860	61	1870	87	1880	65
1861	61	1871	83	1881	64
1862	72	1872	84	1882	66
1863	90	1873	84	1883	65
1864	116	1874	81	1884	60
1865	132	1875	78	1885	57
1866	116	1876	72	1886	56
1867	105	1877	68	1887	56
1868	98	1878	62	1888	57
1869	94	1879	59	1889	57

No. 317.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS

NOTE.—1926=100. Each of the 10 groups covered by Table 315 is divided into from 2 to 7 subgroups. See also general note p. 283 regarding commodities included in two groups

Subgroup	1913	1923–1925	1929	1930	1931	1932	1933	1932		1933	
								June	Dec.	June	Dec.
Grains	71.1	102.3	97.4	78.3	53.0	39.4	53.1	37.7	31.7	57.4	60.4
Livestock and poultry	73.3	85.3	106.1	89.2	63.9	48.2	43.4	46.7	38.7	46.6	38.0
Other farm products	70.8	115.1	106.6	91.1	69.2	51.4	55.8	48.2	51.3	56.2	64.3
Butter, cheese, milk	65.9	99.7	105.6	95.5	81.8	61.3	60.7	57.4	59.5	63.1	65.1
Cereal products	------	------	88.0	81.5	73.1	66.4	75.0	66.8	61.7	70.7	84.7
Fruits and vegetables	------	------	97.8	96.6	72.4	58.0	61.7	62.4	52.8	63.9	63.0
Meats	59.8	81.7	109.1	98.4	75.4	58.2	50.0	56.0	49.4	52.4	46.0
Other foods	65.9	101.4	93.9	80.9	69.8	60.7	61.1	55.4	66.1	61.1	63.4
Boots and shoes	54.5	99.3	106.3	102.0	93.7	86.1	90.2	87.5	83.8	85.5	98.6
Hides and skins	106.8	115.5	112.7	91.0	60.2	42.1	67.1	32.5	41.7	81.4	74.9
Leather	69.1	102.9	113.2	101.3	86.2	65.1	71.4	58.7	59.2	74.3	80.1
Other leather products	50.8	103.4	106.4	105.5	101.4	90.1	81.1	96.4	81.9	78.5	87.6
Clothing	------	------	90.0	86.2	75.9	63.0	72.2	62.2	62.5	64.5	87.9
Cotton goods	58.0	113.9	98.8	84.7	66.1	54.0	71.2	51.0	51.7	67.1	85.5
Knit goods	------	------	88.5	80.0	60.9	51.6	58.9	49.6	49.3	50.9	71.2
Silk and rayon	71.8	112.4	80.4	60.2	43.5	31.0	30.6	27.5	29.3	35.2	29.6
Woolen and worsted goods	53.7	108.2	88.3	79.0	68.2	57.7	69.3	55.0	54.2	68.8	84.3
Other textile products	62.7	89.5	93.1	84.2	75.1	67.9	72.5	66.7	66.6	73.6	75.9
Anthracite	58.9	99.7	90.1	89.1	91.1	88.4	82.2	85.3	88.7	76.8	81.5
Bituminous coal	38.1	103.2	91.3	89.4	84.6	82.0	82.8	81.8	80.2	78.3	90.6
Coke	46.3	104.6	84.6	84.0	82.4	77.7	77.9	76.9	75.3	75.3	83.6
Electricity	------	------	94.5	97.7	98.8	104.7	94.3	105.5	104.1	91.4	94.0
Gas	78.1	103.2	93.1	97.3	98.7	101.3	97.5	106.3	96.5	101.7	92.2
Petroleum products	73.3	87.0	71.3	61.5	39.5	45.4	41.0	48.2	45.0	34.4	51.6
Agricultural implements	72.9	101.6	98.7	95.0	92.1	84.9	83.5	84.9	84.5	83.0	85.1
Iron and steel	70.9	109.6	94.9	89.1	83.3	79.4	78.6	79.8	78.8	76.2	83.6
Motor vehicles	147.5	107.2	106.7	100.3	94.8	94.1	90.2	93.8	93.0	90.4	90.9
Nonferrous metals	88.9	96.6	106.1	82.4	61.9	49.8	59.6	47.5	48.3	63.2	66.6
Plumbing and heating	------	------	95.0	88.6	84.7	66.8	67.1	66.7	67.5	67.4	72.5
Brick and tile	38.9	102.4	94.3	89.8	83.6	77.3	79.2	76.1	75.1	77.0	85.7
Cement	59.6	105.4	91.8	91.8	79.4	77.2	86.1	77.1	81.1	81.8	91.2
Lumber	54.0	103.9	93.8	85.8	69.5	58.5	70.7	57.6	56.5	67.4	88.0
Paint and paint material	50.8	103.4	94.9	90.5	79.4	71.1	73.3	73.3	68.1	71.9	77.5
Plumbing and heating	------	------	95.0	88.6	84.7	66.8	67.1	66.7	67.5	67.4	72.5
Structural steel	77.1	113.4	98.1	87.3	83.1	80.9	83.1	81.7	81.7	81.7	86.8
Other bldg. materials	63.1	103.3	97.7	93.3	84.8	79.5	82.7	77.6	80.1	80.6	88.6
Chemicals	89.4	102.3	99.1	93.7	83.0	79.5	79.6	78.6	79.7	81.5	79.2
Drugs and pharmaceuticals	56.6	96.4	71.5	68.0	62.8	57.7	56.3	58.3	54.7	55.5	59.0
Fertilizer materials	85.5	98.0	92.1	85.6	76.8	66.9	65.9	68.0	63.1	68.0	68.1
Mixed fertilizer	84.3	101.2	97.2	93.6	82.0	69.3	64.5	69.0	65.6	63.0	69.9
Furniture	70.7	109.7	95.0	94.0	88.0	75.0	75.1	74.0	72.7	73.4	79.3
Furnishings	47.9	103.5	93.6	91.4	82.2	75.4	76.6	75.4	74.7	73.6	82.9
Cattle feed	82.2	113.8	121.6	99.7	62.7	46.0	57.9	42.1	37.1	55.8	60.3
Paper and pulp	59.4	102.9	88.9	86.1	81.4	75.5	76.6	76.2	73.0	73.5	82.5
Rubber, crude	170.2	88.5	42.3	24.5	12.8	7.3	12.2	5.8	6.8	12.6	18.0
Auto tires and tubes	207.2	100.2	54.5	51.3	46.0	41.1	42.1	39.6	44.6	40.1	43.2
Other miscellaneous	64.4	100.8	98.4	95.5	88.0	83.7	76.2	84.6	81.3	75.0	79.0

Source of Tables 316 and 317: Bureau of Labor Statistics, Department of Labor.

No. 318.—WHOLESALE PRICES OF LEADING COMMODITIES

NOTE.—This list is a selection from among the 784 commodities entering into the general index of whole sale prices of the Department of Labor, shown in Table 315

Community	Unit	Average price						
		1923–1925	1928	1929	1930	1931	1932	1933
I.—FARM PRODTCTS								
		Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Barley, feeding, Chicago	Bushel	0. 774	0. 826	0. 615	0. 602	0. 496	0. 398	0. 521
Corn, contract grades, Chicago	do	. 944	. 977	. 941	. 827	. 531	. 313	. 408
Corn, No. 3, mixed, Chicago	do	. 927	. 953	. 929	. 810	. 519	. 304	[1] . 397
Oats, No. 2, white, Chicago	do	. 473	. 555	. 486	. 397	. 278	. 209	. 294
Rye, No. 2, Chicago	do	. 932	1. 133	1. 016	. 624	. 431	. 393	. 579
Wheat, No 2, red winter, Chicago	do	1. 407	1. 540	1. 304	. 983	. 665	. 531	[1] . 766
Wheat, No 2, hard, Kansas City	do	1. 338	1. 325	1. 180	. 900	. 606	. 494	[1] . 724
Wheat, No. 1, northern spring, Minneapolis.	do	1. 359	1. 285	1. 276	. 984	. 739	. 605	[1] . 770
Cattle, steers, good to choice, Chicago.	100 lbs	10. 093	14. 489	13. 493	11. 027	8. 759	7. 799	5. 784
Hogs, fair to choice, light, Chicago	do	9. 534	9. 862	10. 666	9. 938	6. 642	4. 117	[1] 4. 185
Lambs, western, fair to good, Chicago.	do	14. 335	14. 203	13. 719	8. 758	6. 824	5. 363	6. 218
Poultry, live fowls, Chicago	Pound	. 218	. 246	. 273	. 219	. 187	. 149	. 113
Cotton, middling, New Orleans	do	. 265	. 194	. 186	. 131	. 083	. 063	[1] . 085
Eggs, firsts, Chicago	Dozen	. 339	. 324	. 354	. 270	. 201	. 177	. 157
Eggs, firsts, New York	do	. 370	. 329	. 368	. 278	. 225	. 193	. 172
Apples, medium grade, Portland, Oreg.	Box		2. 705	2. 728	2. 670	1. 926	1. 079	1. 212
Oranges, choice, California	do	6. 209	7. 370	6. 540	7. 248	4. 929	3. 819	2. 951
Hay, alfalfa, Kansas City	Ton	22. 199	22. 808	24. 566	21. 596	15. 716	12. 144	11. 029
Hay, timothy, No. 1, Chicago	do	24. 055	20. 588	20. 394	19. 779	17. 529	12. 721	12. 769
Milk, fluid, Chicago	100 lbs	3. 001	2. 735	2. 955	2. 920	2. 775	2. 182	1. 941
Milk, fluid, New York	do	3. 419	3. 827	3. 997	3. 848	3. 448	2. 379	2. 432
Peanuts, Norfolk	Pound	. 063	. 056	. 049	. 040	. 038	. 014	. 020
Flaxseed, Minneapolis	Bushel	2. 653	2. 245	2. 766	2. 353	1. 484	1. 181	1. 580
Tobacco, leaf, warehouse sales	100 lbs		20. 204	20. 125	17. 424	12. 203	8. 464	[1] 11. 647
Potatoes, white, Chicago	do	1. 645	1. 354	1. 606	2. 136	1. 210	. 801	1. 333
Wool, Ohio, medium grades	Pound	. 548	. 543	. 467	. 310	. 226	. 196	. 315
II.—FOODS								
Butter, creamery, extra:								
Chicago	Pound	. 437	. 461	. 437	. 353	. 271	. 201	. 208
New York	do	. 450	. 474	. 449	. 364	. 283	. 210	. 217
San Francisco	do	. 476	. 460	. 458	. 364	. 281	. 219	. 211
Cheese, whole milk, Chicago	do	. 219	. 240	. 221	. 182	. 141	. 120	. 117
Milk, evaporated, New York	Case[2]	4. 396	4. 429	4. 267	3. 846	3. 542	2. 789	2. 808
Beef, fresh, carcass, steers, Chicago	Pound	. 170	. 228	. 231	. 207	. 156	. 131	. 095
Lamb, fresh, Chicago	do	. 258	. 267	. 256	. 191	. 157	. 134	. 121
Hams, Chicago	do	. 228	. 228	. 244	. 230	. 181	. 133	. 121
Pork, mess, New York	Barrel (200 lbs.)	31. 055	32. 120	30. 370	31. 125	23. 192	17. 426	17. 438
Pork, bellies, cured, clear, Chicago	Pound						. 052	. 056
Pork, fresh (composite price), Chicago.	do	. 161	. 170	. 183	. 175	. 123	. 078	. 080
Poultry, Chicago	do	. 246	. 226	. 242	. 242	. 193	. 143	. 120
Bread, Chicago	do	. 075	. 075	. 075	. 075	. 074	. 070	. 053
Bread, New York	do	. 070	. 070	. 066	. 066	. 066	. 060	. 061
Coffee, Rio No. 7, New York	do	. 162	. 165	. 157	. 087	. 062	. 081	. 078
Salmon, canned, Alaska, red, No. 1, tall	Doz. cans	2. 645	2. 900	2. 709	3. 009	2. 848	1. 859	1. 602
Flour, short patents, winter, Kansas City.	Barrel	7. 160	7. 073	6. 535	5. 535	4. 248	3. 654	5. 025
Flour, standard patents, Minneapolis.	do	7. 468	7. 205	6. 786	5. 626	4. 578	4. 192	5. 083
Flour, patents, Portland, Oreg	do	7. 992	7. 545	7. 176	6. 003	4. 550	4. 619	5. 982
Raisins, seedless, packers	Pound		. 045	. 046	. 044	. 053	. 048	. 038
Bananas, Honduras, New York	Bunch						2. 164	2. 636
[illegible] New York	Pound	. 141	. 123	. 120	. 109	. 080	. 050	. 057
[illegible] uncol-	do	. 225	. 225	. 235	. 218	. 133	. 097	. 087
[illegible] eans	do	. 054	. 038	. 038	. 040	. 031	. 022	. 028
Salt, American, medium, Chicago	Barrel[3]	2. 389	2. 272	2. 214	2. 112	2. 372	2. 347	2. 276
Sugar, granulated, New York	Pound	. 071	. 056	. 051	. 047	. 044	. 040	. 043
Sugar, raw, 96°, New York	do	. 058	. 042	. 038	. 034	. 033	. 029	. 032
Cottonseed oil, New York	do	. 110	. 099	. 097	. 081	. 060	. 038	. 045

[1] Processing tax not included.
[2] Case of 4 dozen 16-ounce cans. Price for 1931 to 1933 computed from price of 14½-ounce cans.
[3] Barrel of 280 pounds.

No. 318.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1923–1925	1928	1929	1930	1931	1932	1933
III.—HIDES AND LEATHER PRODUCTS								
[illegible]re steers	Pound	*Dollars* 0.158	[illegible]	[illegible]	[illegible]	[illegible]	*Dollars* 0.061	*Dollars* 0.097
[illegible]Chicago	do	.180	.274	.190	.163	.114	.063	.131
[illegible]	do	.811	.788	.750	.780	.617	.415	.514
Leather:								
Calf, chrome, B grade, tannery	Sq. ft			.395	.372	.345	.259	.302
Glazed kid, top grade, Boston	do	.681	.715	.725	.692	.600	.436	.459
Side, black, chrome, tanned, B grade, Boston	do	.266	.369	.288	.238	.204	.162	.194
Sole, oak, scoured backs, Boston	Pound	.480	.641	.529	.452	.365	.291	.309
Shoes:								
Child's gun metal	Pair		1.793	1.853	1.631	[4] 1.200	1.150	1.189
Men's, dress, medium grade [5]	do	3.162	3.575	3.750	3.350	3.200	3.250	3.289
Women's, black, 3 eye tie, McKay sewed	do		2.925	2.600	2.375	2.175	1.998	2.181
IV.—TEXTILE PRODUCTS								
Cotton goods, mill:								
Damask, table, mercerized, mill, 58-inch	Yard		.370	.370	.370	.338	.293	.319
Denims, Mass., 28-inch	do	.233	.191	.181	.147	.114	.091	.123
Drillings, brown, 29-inch	do	.174	.126	.125	.105	.073	.055	.078
Gingham, 27-inch	do	.126	.106	.105	.093	.078	.062	.074
Muslin, bleached, series 1	do	.183	.166	.174	.157	.132	.103	.125
Print cloth, 27-inch	do	.070	.058	.052	.042	.033	.026	.038
Sheeting, bleached, series 1	do	.486	.410	.419	.362	.282	.210	.261
Sheeting, brown, series 2	do	.149	.122	.117	.103	.080	.062	.079
Yarn, carded, white, northern, 22/1's cones.	Pound	.459	.371	.358	.274	.216	.178	.258
Knit goods, mill:								
Hosiery, women's, pure silk	Doz. prs	12.337	[3] 9.792	9.313	7.896	5.760	4.394	4.954
Hosiery, men's, silk	do	5.750	3.950	3.850	3.567	2.717	2.226	2.352
Women's union suits, cotton	Dozen		9.500	9.500	9.310	8.187	6.445	7.341
Silk and rayon:								
Rayon, 150 B denier, New York	Pound	2.136	1.450	1.180	1.009	.727	.630	.586
Silk, raw, steam filature, N. Y.	do	7.509	5.128	4.886	3.629	2.442	1.653	1.570
Woolen and worsted goods, mill:								
Suiting serge, 11-ounce	Yard	2.478	2.052	1.961	1.818	1.586	1.328	1.664
French serge, 54-inch [6]	do	.776	1.006	.975	1.106	.960	.815	.937
Yarn, fine weaving, 2/50's	Pound	2.469	2.088	1.967	1.668	1.442	1.186	1.466
Thread, 6-cord	Spool	.033	.036	.036	.036	.035	.035	.035
V.—FUEL AND LIGHTING								
Coal, anthracite, chestnut	Ton	13.861	13.001	12.886	12.715	12.768	12.184	11.265
Coal, bituminous, mine run	do	4.976	4.033	3.953	3.909	3.736	3.638	3.667
Coke, Connellsville, furnace	do	4.378	2.793	2.780	2.567	2.460	2.123	2.495
Electricity	100 kwh		1.414	1.383	1.430	1.446	1.532	1.380
Manufactured gas	1,000 cu.ft	1.062	.982	.985	.986	.984	1.014	.991
Petroleum, crude, Kans.-Okla	Barrel	1.519	1.203	1.233	1.111	.573	.811	.567
Fuel oil, refinery, Pennsylvania	Gallon	.056	.048	.048	.039	.027	.032	.035
Gasoline, refinery, Pennsylvania	do	.130	.099	.091	.073	.050	.057	.051
VI.—METALS AND PRODUCTS								
Iron ore, non-Bessemer	Ton	4.924	4.250	4.443	4.500	4.500	4.500	4.500
Pig iron, basic, furnace	do	21.873	16.664	18.189	17.962	15.837	13.981	15.240
Pig iron, Bessemer, Pittsburgh	do	24.860	19.207	20.538	20.260	18.693	17.121	18.261
Nails, wire, Pittsburgh	100 lbs	2.948	2.676	2.667	2.191	1.978	2.050	2.089
Pipe, cast-iron, 6-inch, New York	Ton	57.549	37.659	36.666	39.315	34.454	30.398	37.764
[illegible]	100 lbs	2.149	1.865	1.859	1.730	1.611	1.567	1.600
[illegible]	Ton	38.465	32.673	34.642	31.808	29.346	26.519	26.000
[illegible]	Pound	.021	.019	.019	.017	.016	.016	.016
[illegible]	Ton	43.000	43.000	43.000	43.000	43.000	42.377	39.329
[illegible]	Pound	.035	.029	.030	.027	.025	.023	.023
Steel, structural, mill	100 lbs	2.220	1.865	1.921	1.708	1.627	1.584	1.626
Tin plate, Pittsburgh	do	5.470	5.262	5.350	5.188	4.942	4.712	4.427
Aluminum, New York	Pound	.265	.239	.239	.234	.229	.229	.229
Copper, ingot, electrolytic	do	.139	.146	.181	.129	.081	.056	.070
Lead, pig, desilverized, New York	do	.083	.063	.068	.055	.042	.032	.039
Silver, bar, fine, New York	Ounce	.672	.585	.533	.385	.290	.283	.350
Tin, pig, New York	Pound	.502	.504	.452	.315	.244	.219	.394
Zinc, pig, slab, New York	do	.072	.064	.068	.049	.040	.033	.044

[illegible] ot strictly comparable with those for earlier years.
[illegible] dress welt; change in grade does not materially affect comparability of figures.
[illegible] r 1928 and 1929, 39-inch.

No. 318.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1923–1925	1928	1929	1930	1931	1932	1933
VI.—METALS, ETC.—continued								
Agricultural implements, factory:								*Dollars*
Cultivator	Each							39.420
Harrow, spike, peg tooth	do	16.973	15.670	14.824				13.390
Plow, 2-horse	do	16.599	15.270	15.258				12.759
Separator, cream	do	59.053	61.040	60.338	58.230	58.230	55.461	55.100
Tractor, 10–20 horsepower	do	663.0	680.0	680.0	653.0	637.0	602.6	602.6
Automobiles, passenger, f. o. b. factory.[7]	do		745.0	773.0	724.0	689.0	687.0	666.0
Trucks, f. o. b. factory	do		940.1	971.6	904.4	845.2	821.2	743.0
VII.—BUILDING MATERIALS								
Douglas fir, No. 1, common sheathing, mill.	1,000 ft	17.972	16.758	18.293	14.702	11.649	9.415	14.118
Oak, plain, white, No. 1, Cincinnati	do	66.200	59.173	57.623	52.115	46.308	41.635	44.789
Pine, white, No. 2, Buffalo	do	59.957	44.269	48.453	43.827	44.606	43.250	44.654
Pine, yellow, flooring, mill	do				35.667	28.229	19.076	26.757
Pine, yellow, timbers, mill	do				24.271	18.876	14.576	19.183
Shingles, cedar, red, mill	1,000					1.505	1.469	1.984
Brick, common, building, plant	do	14.323	13.717	13.616	13.052	12.396	10.694	10.530
Cement, Portland	Barrel	1.838	1.672	1.601	1.600	1.393	1.356	1.512
Linseed oil, raw, New York	Pound	.134	.100	.123	.125	.084	.063	.091
White lead, in oil, New York	do	.141	.133	.138	.139	.133	.120	.110
Glass, plate, 5 to 10 sq. ft., N. Y.	Sq. ft	.638	.385	.385	.375	.365	.365	.367
Glass, window, single B, works	50 sq. ft	3.389	3.080	3.420	3.420	2.068	2.146	2.300
Lime, building, plant	Ton	9.586	8.574	7.987	7.941	7.672	6.933	7.043
VIII.—CHEMICALS AND DRUGS								
Acid, sulphuric, 66°, New York	Ton	14.267	15.500	15.500	15.500	15.500	15.500	15.500
Alcohol, denatured, New York	Gallon	.511	.530	.570	.498	.308	.371	.363
Ammonia, anhydrous, New York	Pound	.289	.135	.140	.154	.153	.155	.155
Soda ash, light, 58 per cent, works	100 lbs		1.366	1.345	1.345	1.161	1.182	1.197
Soda, caustic, New York	do	3.280	2.950	2.950	2.950	2.524	2.609	2.762
Tallow, packer's prime, Chicago	Pound	.088	.088	.085	.062	.039	.032	.034
Alcohol, grain, New York	Gallon	4.802	2.701	2.745	2.645	2.502	2.495	2.495
Phenol, U. S. P., New York	Pound	.291	.150	.138	.147	.143	.143	.143
Superphosphate, Baltimore	Ton	8.732	9.292	9.731	8.635	7.755	7.274	6.837
Nitrate of soda, 95 per cent, N. Y.	100 lbs	2.526	2.232	2.157	2.076	1.981	1.586	1.306
[illegible]	Ton					29.558	20.821	22.637
[illegible]	do		22.900	22.400	21.588	19.125	16.000	14.771
IX.—HOUSEFURNISHING GOODS [8]								
Blankets, all wool, factory	Pound		1.333	1.333	1.267	1.028	.945	1.130
Carpets, Brussels, factory	Yard	3.036	2.976	2.976	2.930	2.490	2.429	2.410
Sewing machines, electric	Each	73.620	82.250	84.600	84.667	80.458	66.111	62.954
Stoves, gas	do	64.053	60.657	66.900	67.155	61.694	53.265	45.621
Vacuum cleaners, electric, without attachments, delivered.	do	[9] 20.090	15.190	14.725	14.259	13.181	11.760	11.287
Washing machines, electric, 2-speed, 6-sheet capacity, factory.	do		68.192	60.760	54.594	48.977	39.501	37.875
X.—MISCELLANEOUS								
Bran, Minneapolis	Ton	24.546	30.159	26.594	22.063	13.103	9.885	12.567
C[illegible]		41.020	47.042	38.542	31.833	19.646	13.120	17.289
N[illegible]		25.850	31.582	27.741	22.284	13.051	9.815	13.106
P[illegible]			67.50	62.00	62.00	57.00	50.39	41.25
[illegible]								
Paper, wrapping, manila, No. 1, jute, New York.	100 lbs	10.490	9.125	9.125	9.125	9.125	9.125	9.125
Wood pulp, sulphite, domestic, unbleached, mill.	do	2.745	2.522	2.535	2.511	2.186	1.571	1.680
[illegible]	Pound	.434	.226	.206	.119	.062	.035	.060
[illegible]	Each		13.925	11.845	10.958	9.656	8.840	8.649
[illegible]	Gallon	.168	.171	.266	.274	.153	.174	.175
Neutral oil, Pennsylvania	do	.264	.314	.269	.210	.202	.164	.169
Soap, laundry, Philadelphia	100 cakes	4.807	4.851	4.851	4.851	4.851	4.528	4.449
Starch, laundry, New York	Pound	.056	.058	.058	.057	.053	.046	.042
Tobacco, plug, New York	do	.698	.696	.696	.696	.696	.669	.597
Tobacco, smoking, 1-oz. bag, N. Y.	Gross	8.898	8.320	8.320	8.320	7.017	5.120	5.120
Cigarettes, destination	M		5.422	5.398	5.645	5.851	6.042	4.902

[illegible] f Buick, Cadillac, Chevrolet, Dodge, Ford, and Packard cars.
[illegible] es in patterns announced by manufacturers, prices of individual articles of [illegible] mparable from year to year and are not shown.

Source: Bureau of Labor Statistics, Department of Labor.

No. 319.—WHOLESALE PRICES: INDEX NUMBERS

NOTE.—Figures in boxes indicate numb[illegible] et's index is the sum of the prices per pound [illegible] "annually consumed by each inhabitant." see general note, p. 283

[1926=100]

Year	Bradstreet's index	Dun's index	Department of Labor			
			All commodities	Raw materials	Semi-manufactured articles	Finished products
	96	300	784 [1]	109 [1]	93 [1]	582 [1]
1913	70.9	64.3	69.8	68.8	74.9	69.4
1914	68.9	64.8	68.1	67.6	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	109.2
1918	145.2	121.9	131.3	135.8	153.8	124.7
1919	145.6	123.2	138.6	145.9	157.9	130.6
1920	140.6	129.3	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	104.6	103.5	106.7	105.3	100.6
1926	100.0	100.0	100.0	100.0	100.0	100.0
1927	99.4	99.4	95.4	96.5	94.3	95.0
1928	102.4	103.1	96.7	99.1	94.5	95.9
1929	97.3	101.0	95.3	97.5	93.9	94.5
1930	81.8	91.3	86.4	84.3	81.8	88.0
1931	66.6	77.3	73.0	65.6	69.0	77.0
1932	54.3	70.7	64.8	55.1	59.3	70.3
1933	62.1	78.1	65.9	56.5	65.4	70.5

[1] Beginning 1926. In earlier years a smaller number of commodities was included.

No. 320.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. Figures for food represent 51 cities since 1920 and a smaller number in earlier years; 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	113.3
December, 1917	142.4	157.0	149.1	100.1	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
December, 1921	174.3	149.9	184.4	161.4	181.1	218.0	206.8
June, 1922	166.6	140.7	172.3	160.9	174.2	202.9	201.5
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	221.3	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	180.5	216.0	201.7
June, 1925	173.5	155.0	170.6	167.4	176.5	214.3	202.7
December, 1925	177.9	165.5	169.4	167.1	186.9	214.3	203.5
June, 1926	174.8	159.7	168.2	165.4	180.7	210.4	203.3
December, 1926	175.6	161.8	166.7	164.2	188.3	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	205.1
June, 1928	170.0	152.6	162.6	157.6	177.2	201.1	205.5
December, 1928	171.3	155.8	161.9	155.9	181.3	199.7	207.1

No. 320.—Cost of Living in the United States: Index Numbers—Con.

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
June, 1929	170.2	154.8	161.3	153.7	175.2	198.5	207.3
December, 1929	171.4	158.0	160.5	151.9	178.7	197.7	207.9
June, 1930	166.6	147.9	158.9	149.6	172.8	195.7	208.5
December, 1930	160.7	137.2	153.0	146.5	175.0	188.3	208.1
June, 1931	150.3	118.3	146.0	142.0	165.4	177.0	206.6
December, 1931	145.8	114.3	135.5	136.2	168.0	167.1	205.4
June, 1932	135.7	100.1	127.8	127.8	157.1	153.4	202.1
December, 1932	132.1	98.7	121.5	118.0	156.9	147.4	199.3
June, 1933	128.3	96.7	119.8	108.8	148.4	147.7	194.5
December, 1933	135.0	105.5	133.6	104.1	159.3	164.8	195.9

Source: Bureau of Labor Statistics, Department of Labor.

No. 321.—COST OF LIVING IN PRINCIPAL CITIES: Index Numbers

City	Index of total cost of living for December—							Index December, 1933, for—					
	1920	1925	1929	1930	1931	1932	1933	Food	Clothing	Housing	Fuel and light	House furnishing goods	Miscellaneous
Dec., 1914=100													
Baltimore, Md	196.8	181.2	175.1	165.8	151.8	138.1	141.9	107.8	139.0	124.5	175.7	164.5	215.1
Boston, Mass	197.4	174.7	168.4	159.2	144.1	130.4	134.1	101.6	156.5	117.2	171.7	183.6	185.1
Buffalo, N. Y	201.7	184.8	180.0	169.4	151.8	139.8	142.0	106.5	139.9	114.7	219.5	167.8	200.6
Chicago, Ill	193.3	180.6	173.7	162.2	146.2	128.2	128.7	106.5	117.0	102.1	141.0	150.0	189.7
Cleveland, Ohio	207.3	182.7	174.3	166.2	150.0	136.9	139.5	99.3	133.7	101.1	256.1	152.6	212.4
Detroit, Mich	218.6	187.8	177.8	161.6	141.9	125.7	128.7	101.3	137.1	83.8	148.2	146.3	203.6
Houston, Tex	204.0	174.3	168.0	154.7	141.1	123.0	129.3	101.0	143.4	81.9	106.5	192.2	182.1
Jacksonville, Fla	206.2	181.7	165.8	156.9	140.5	127.6	132.8	95.7	150.8	72.5	153.6	181.9	184.7
Los Angeles, Calif	196.7	177.4	168.7	158.1	145.1	132.1	131.9	96.0	140.8	89.5	138.8	167.8	186.4
Mobile, Ala	193.3	168.5	164.8	154.4	138.0	125.9	129.8	96.0	131.3	91.4	139.4	164.9	196.6
New York, N. Y	201.4	183.2	177.1	167.5	152.0	140.2	142.1	108.9	151.0	129.0	180.3	156.3	207.7
Norfolk, Va	209.0	176.4	173.5	164.8	148.8	136.5	140.6	101.7	145.4	107.5	170.3	156.9	208.2
Philadelphia, Pa	200.7	182.6	175.0	164.5	150.5	133.9	138.2	106.0	136.8	112.8	175.7	146.7	206.1
Portland, Me	193.1	170.3	165.8	157.2	145.1	132.3	136.7	107.7	139.8	103.8	174.3	187.6	195.6
Portland, Oreg	180.3	156.9	151.6	141.5	131.9	120.1	119.8	93.2	121.8	72.8	135.4	150.8	167.2
San Francisco and Oakland, Calif	185.1	164.7	160.8	151.5	138.1	128.9	131.6	104.8	159.2	100.5	125.2	164.3	172.5
Savannah, Ga	198.7	162.9	157.2	148.3	133.9	122.0	126.3	90.0	144.0	87.3	143.3	180.8	170.8
Seattle, Wash	194.1	171.7	168.7	158.4	148.0	133.7	135.1	98.0	142.1	103.1	147.2	198.5	185.4
Washington, D. C	187.8	167.3	159.2	151.8	139.0	125.8	131.6	108.4	135.7	114.3	128.3	172.8	172.1
Dec., 1917=100													
Atlanta, Ga	138.5	119.0	113.5	104.5	93.8	84.6	87.1	64.1	84.1	88.8	104.6	97.0	123.6
Birmingham, Ala	133.3	119.2	111.8	103.8	90.4	81.3	83.0	62.7	82.3	69.2	118.9	84.1	117.0
Cincinnati, Ohio	134.7	123.0	123.1	116.6	105.8	95.5	96.3	66.5	76.5	111.3	165.7	96.1	145.6
Denver, Colo	138.7	122.5	116.1	109.7	100.3	91.7	92.2	65.0	86.0	105.7	105.0	98.6	131.2
Indianapolis, Ind	137.6	124.3	118.8	110.8	99.2	90.5	92.2	65.0	82.4	82.7	126.3	93.4	141.0
Kansas City, Mo	139.5	118.1	111.7	107.7	98.9	89.5	89.5	64.0	84.8	89.6	109.1	88.1	132.9
Memphis, Tenn	139.3	122.1	116.5	110.4	99.5	89.6	92.4	61.9	89.0	87.8	143.3	95.7	131.0
Minneapolis, Minn	135.7	120.3	116.2	110.6	102.1	92.5	92.4	69.5	79.9	93.8	131.5	96.1	126.3
New Orleans, La	136.7	122.7	118.8	110.2	100.3	92.8	94.2	65.2	88.5	116.3	104.9	101.2	139.1
Pittsburgh, Pa	139.3	128.5	123.2	115.2	104.5	94.2	94.3	66.4	83.8	107.1	182.6	92.1	139.7
Richmond, Va	133.3	120.8	114.9	109.3	100.3	90.4	93.6	65.6	92.2	98.7	127.6	112.9	133.0
St. Louis, Mo	135.4	125.0	121.7	113.9	101.4	92.6	93.7	66.3	82.2	104.8	113.5	97.8	136.4
Scranton, Pa	139.1	132.0	127.3	119.5	108.4	99.5	102.1	72.4	95.7	126.5	147.4	108.0	149.9

Source: Bureau of Labor Statistics, Department of Labor.

No. 322.—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 324. For index numbers for individual cities see Table 323

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	1905	76	132	1920	203	49
1891	71	141	1906	79	127	1921	153	65
1892	69	145	1907	82	122	1922	142	70
1893	71	141	1908	84	119	1923	146	68
1894	68	147	1909	89	112	1924	146	68
1895	67	149	1910	93	108	1925	157	64
1896	65	154	1911	92	109	1926	161	62
1897	65	154	1912	98	102	1927	155	64
1898	67	149	1913	100	100	1928	154	65
1899	68	147	1914	102	98	1929	157	64
1900	69	145	1915	101	99	1930	147	68
1901	72	139	1916	114	88	1931	121	82
1902	75	133	1917	146	68	1932	102	98
1903	75	133	1918	168	60	1933	100	100
1904	76	132	1919	186	54			

No. 323.—RETAIL FOOD PRICES IN PRINCIPAL CITIES: INDEX NUMBERS

NOTE.—1913 average=100. For average for all cities see Table 322. See headnote, Table 324

City	1916	1920	1925	1928	1929	1930	1931	1932	1933	1933			
										Mar.	June	Sept.	Dec.
Atlanta, Ga	108	202	158	158	160	147	121	100	97	86	96	105	102
Baltimore, Md	113	207	164	159	161	151	127	106	104	94	100	110	110
Birmingham, Ala	116	209	165	159	160	150	120	101	98	90	98	103	102
Boston, Mass	112	203	158	156	158	151	124	103	101	92	98	109	104
Buffalo, N. Y	115	210	162	159	161	151	124	105	104	93	100	113	108
Charleston, S. C	108	207	159	156	158	151	126	106	100	89	94	108	109
Chicago, Ill	114	207	166	165	168	159	134	111	104	94	102	111	108
Cincinnati, Ohio	112	203	157	157	163	156	129	101	100	90	97	106	101
Cleveland, Ohio	114	208	156	153	154	144	116	97	96	85	92	106	101
Dallas, Tex	111	197	156	155	157	146	117	97	96	85	94	104	103
Denver, Colo	112	195	143	139	141	132	110	96	95	87	93	101	97
Detroit, Mich	114	215	165	160	164	150	122	96	98	87	94	109	103
Fall River, Mass	112	204	153	154	155	145	118	101	98	89	94	106	103
Indianapolis, Ind	114	202	151	151	155	146	116	97	94	84	93	104	98
Jacksonville, Fla	108	192	153	145	144	138	114	94	91	80	88	100	98
Kansas City, Mo	114	206	155	150	154	144	121	100	99	91	98	106	100
Little Rock, Ark	110	195	149	147	152	143	113	91	89	80	83	97	98
Los Angeles, Calif	102	184	149	143	146	134	110	93	93	87	88	102	95
Louisville, Ky	110	197	154	153	156	143	114	95	96	85	94	106	99
Manchester, N. H	113	206	152	154	154	145	121	102	101	91	97	109	105
Memphis, Tenn	111	204	150	148	151	142	112	95	92	82	89	99	98
Milwaukee, Wis	115	209	157	156	159	150	124	105	102	93	100	110	104
Minneapolis, Minn	114	208	154	153	157	148	123	101	98	86	94	104	105
Newark, N. J	111	195	151	150	151	143	123	106	100	90	97	106	105
New Haven, Conn	115	201	155	157	158	149	128	110	104	92	100	112	110
New Orleans, La	112	200	156	153	156	146	118	104	99	91	94	107	104
New York, N. Y	112	204	160	158	160	150	128	110	106	96	103	112	111
Omaha, Nebr	115	210	155	147	150	141	114	95	93	82	92	99	99
Philadelphia, Pa	113	201	159	158	159	149	128	106	102	92	99	110	108
Pittsburgh, Pa	112	202	158	156	160	147	122	100	97	87	94	104	102
Portland, Oreg	104	187	142	140	144	133	109	96	91	85	90	97	93
Providence, R. I	114	209	158	156	158	149	123	104	102	93	99	109	106
Richmond, Va	114	214	166	161	162	153	125	105	102	92	98	111	109
St. Louis, Mo	114	213	160	156	161	151	124	103	101	91	100	110	105
Salt Lake City, Utah	111	185	140	132	136	127	106	88	87	79	88	90	89
San Francisco, Calif	105	189	155	151	154	147	122	107	105	98	103	110	106
Scranton, Pa	112	208	161	163	164	154	128	108	106	97	102	113	112
Seattle, Wash	105	190	150	145	149	140	117	102	99	90	100	105	100
Washington, D. C	112	208	165	164	164	154	131	108	106	97	103	113	110

Source of Tables 322 and 323: Bureau of Labor Statistics, Department of Labor.

No. 324.—RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: ACTUAL AND RELATIVE

NOTE.—For in[illegible] numbers 1[illegible] averages [illegible] 100. Data are averages of prices [illegible] reported [illegible] dealers in 51 of [illegible] in a smaller number of cities. Prior to [illegible] of the 15th of each month, September [illegible] the date nearest the 15th of the month

Year or month	Sirloin steak		Round steak		Rib roast		Pork chops		Bacon		Lard	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
	Per lb.		*Per lb.*		*Per lb.*		*Per lb.*		*Per lb.*		*Per lb.*	
1891–1895	------	------	$0.123	55	------	------	$0.112	53	$0.132	49	$0.100	67
1896–1900	------	------	.127	57	------	------	.111	53	.132	49	.091	58
1901–1905	------	------	.141	63	------	------	.137	65	.176	65	.116	73
1906–1910	[1]$0.192	76	.159	71	[1]$0.159	80	.167	80	.217	80	.136	86
1911–1915	.241	95	.213	96	.191	96	.201	96	.261	97	.150	95
1916–1920	.366	144	.338	152	.285	144	.356	170	.461	171	.290	184
1921–1925	.391	154	.337	151	.287	145	.331	158	.412	153	.190	120
1926–1930	.456	180	.401	180	.335	169	.368	175	.455	168	.190	121
1926	.413	163	.356	160	.303	153	.395	188	.503	186	.219	139
1927	.426	168	.371	166	.313	158	.368	175	.472	175	.193	122
1928	.478	188	.420	188	.350	177	.348	166	.440	163	.186	118
1929	.500	197	.444	199	.367	185	.369	176	.435	161	.183	116
1930	.464	183	.412	185	.342	173	.359	171	.423	157	.170	108
1931	.394	155	.344	154	.289	146	.291	139	.364	135	.133	84
1932	.333	131	.289	130	.241	122	.212	101	.241	89	.088	56
1933	.290	114	.252	113	.209	106	.196	93	.223	83	.090	57
March	.282	111	.243	109	.208	105	.190	91	.210	78	.079	50
June	.297	117	.258	116	.213	108	.185	88	.225	83	.097	61
September	.301	119	.262	118	.209	106	.217	103	.231	86	.096	61
December	.278	109	.242	109	.199	101	.198	94	.231	86	.094	60

Year or month	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	76	------	------
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	.363	95	[2]$0.227	103	.088	99	[2]$0.063	113
1916–1920	.351	165	.547	158	.567	148	.358	162	.133	149	.096	171
1921–1925	.365	171	.483	140	.523	137	.352	159	.139	156	.091	163
1926–1930	.377	177	.460	133	.533	139	.372	168	.141	159	.091	162
1926	.388	182	.485	141	.531	139	.366	166	.140	157	.094	168
1927	.369	173	.452	131	.556	145	.376	170	.141	158	.093	166
1928	.374	176	.464	134	.565	148	.385	174	.142	160	.091	162
1929	.397	186	.490	142	.551	144	.380	172	.143	161	.090	161
1930	.355	167	.410	119	.461	120	.351	159	.140	157	.087	155
1931	.310	146	.317	92	.354	92	.281	127	.123	138	.076	136
1932	.246	116	.272	79	.274	72	.230	104	.109	123	.068	121
1933	.209	98	.261	76	.273	71	.225	102	.106	119	.071	127
March	.212	100	.198	57	.248	65	.209	95	.101	114	.064	114
June	.214	101	.200	58	.281	73	.231	105	.102	115	.066	118
September	.204	96	.283	82	.279	73	.235	106	.110	124	.077	138
December	.199	93	.321	93	.241	63	.223	101	.112	126	.079	141

Year or month	Flour		Corn meal		Rice		Potatoes		Sugar		Coffee	
	Per 1/8 bbl. bag		*Per lb.*		*Per lb.*		*Per pk.*		*Per lb.*		*Per lb.*	
1891–1895	$0.637	79	$0.020	67	------	------	$0.235	92	$0.057	104	------	------
1896–1900	.639	79	.018	60	------	------	.211	83	.058	105	------	------
1901–1905	.687	85	.022	73	------	------	.263	103	.058	105	------	------
1906–1910	.807	100	.027	90	------	------	.271	106	.059	107	------	------
1911–1915	.872	108	.031	103	[2]$0.089	102	.282	111	.061	111	[2]$0.298	100
1916–1920	1.637	202	.058	193	.130	149	.609	239	.115	209	.362	121
1921–1925	1.303	161	.045	151	.099	114	.453	178	.084	152	.410	138
1926–1930	1.309	162	.052	175	.103	118	.546	214	.068	124	.476	160
1926	1.470	182	.051	170	.116	133	.735	288	.069	126	.510	171
1927	1.348	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
1929	1.250	154	.053	177	.097	112	.480	188	.066	120	.491	165
1930	1.152	142	.053	177	.095	109	.540	212	.062	113	.406	136
1931	.882	109	.046	153	.082	94	.345	135	.057	104	.338	113
1932	.784	97	.038	127	.067	77	.255	100	.051	93	.302	101
1933	.956	118	.037	123	.062	71	.345	135	.054	98	.271	91
March	.735	91	.034	113	.057	66	.240	94	.050	91	.274	92
June	.833	103	.036	120	.060	69	.345	135	.054	98	.270	91
September	1.201	149	.040	133	.066	76	.465	182	.057	104	.267	90
December	1.152	142	.040	133	.070	81	.345	135	.055	100	.264	89

[1] 1907–1910. [2] 1913–1915.

Source: Bureau of Labor Statistics, Department of Labor.

No. 325.—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 326 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 [3]	Boards, planks, and scantlings, per M feet	Coal		Petroleum, crude, per gallon	Gasoline, naphtha, etc., per gallon	Kerosene, per gallon	Wire, per pound	Wire nails, per pound
																					Anthracite, per ton	Bituminous, per ton					
June 30—	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*
1906	10.1	8.2	21.0	-----	18.0	11.7	8.1	20.2	0.53	0.67	0.82	4.25	1.3	31.2	3.8	4.06	0.63	9.5	11.0	21.34	4.93	2.58	5.0	8.0	6.3	2.2	2.1
1907	10.9	9.1	22.1	-----	19.4	11.6	9.2	22.0	.53	.75	.79	3.99	1.3	40.8	3.9	4.42	.65	10.0	10.7	24.55	4.90	2.56	5.2	10.4	6.3	2.3	2.3
1908	10.9	8.9	20.3	-----	21.8	12.9	9.1	21.1	.65	.90	.99	4.61	1.3	42.0	3.8	4.20	.52	10.6	11.5	23.00	4.88	2.58	4.8	11.0	6.8	2.5	2.5
1909	10.8	8.8	23.0	-----	21.2	12.6	10.0	20.9	.70	.82	1.02	4.86	1.3	40.8	3.5	3.69	.40	10.9	9.4	21.40	4.97	2.55	4.1	9.1	6.6	2.3	2.2
1910	12.1	11.0	23.7	7.7	25.0	15.5	11.9	21.7	.69	.77	1.02	5.27	1.4	6.6	4.3	4.55	.56	10.8	14.0	21.83	4.94	2.49	3.1	8.1	6.2	2.4	2.1
1911	13.3	10.8	20.9	7.7	21.7	12.4	11.0	21.5	.56	.95	.93	4.88	1.4	7.6	4.1	6.42	.73	11.1	14.5	21.54	4.99	2.48	2.9	8.5	5.6	2.3	2.1
1912	12.1	9.5	22.0	8.0	24.1	14.2	9.8	22.0	.72	.87	.94	4.63	1.4	6.0	4.6	6.65	.51	11.5	10.2	22.14	5.11	2.54	3.3	9.0	5.7	2.2	2.0
1913	13.1	10.6	21.5	8.7	24.3	17.0	11.2	24.0	.59	.69	.97	4.67	1.4	6.6	3.8	6.19	.42	11.9	12.0	24.30	5.30	2.52	3.9	13.7	6.3	2.1	2.1
1914	13.8	10.8	23.1	8.3	23.8	17.1	11.3	25.6	.75	.70	.95	4.61	1.4	7.2	3.6	4.64	.43	12.1	12.8	23.94	5.27	2.49	4.7	14.2	6.4	2.1	2.1
1915	13.9	10.8	24.1	8.2	24.3	15.3	11.0	29.7	.81	1.17	1.28	5.86	1.4	6.9	4.7	4.53	.47	12.8	8.7	22.25	5.27	2.53	3.2	11.1	6.0	2.2	2.0
1916	13.9	10.6	23.2	8.0	26.6	16.7	11.2	34.8	.81	1.06	1.24	5.63	1.6	8.5	4.9	5.65	.47	12.1	12.3	23.76	5.25	2.43	3.5	15.5	6.4	2.9	2.6
1917	17.9	14.8	30.4	9.7	32.6	23.1	17.3	43.6	1.12	1.63	1.99	7.80	1.8	12.5	6.2	6.53	.49	14.7	18.2	26.00	5.56	2.94	4.1	20.7	6.6	3.9	3.8
1918	26.7	22.7	37.8	12.9	38.6	24.3	25.0	53.8	1.84	1.99	2.37	11.19	2.5	18.2	6.7	7.36	.53	24.1	29.4	41.50	6.16	3.89	5.0	24.3	8.9	5.1	5.1
Dec. 31—																											
1919	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	49.47	8.25	4.66	6.0	24.7	12.2	5.5	5.3
1920	25.2	19.8	50.6	15.6	58.0	31.0	23.4	53.4	1.49	2.14	2.73	11.31	3.1	18.9	10.3	16.72	1.54	52.4	36.0	62.13	9.44	8.85	8.6	27.4	15.3	5.8	5.7
1921	17.9	12.8	32.5	12.5	40.8	23.1	13.0	34.5	.72	1.48	1.55	7.01	2.0	9.6	5.2	5.19	.65	39.7	16.2	37.93	10.92	5.94	5.4	24.6	12.5	5.5	5.0
1922	17.3	12.1	26.3	10.0	37.2	24.9	11.9	24.6	.70	.97	1.25	5.69	2.1	9.7	3.8	5.25	1.08	33.9	21.6	37.45	10.72	5.95	4.4	21.9	9.3	3.4	3.3
1923	14.4	11.7	27.5	11.3	43.9	26.2	12.6	26.5	.87	.91	1.18	5.40	2.2	10.6	6.5	5.14	1.07	32.1	29.6	46.24	10.91	5.46	3.2	16.3	9.0	3.9	4.0
1924	14.2	11.9	26.5	10.7	41.5	26.0	13.3	22.6	.97	1.10	1.43	5.70	2.1	10.6	5.5	5.30	.88	29.8	27.7	41.25	11.17	4.65	3.6	14.1	9.7	3.6	4.0
1925	20.1	16.0	30.1	11.7	45.1	26.3	17.1	25.9	1.12	1.30	1.72	7.65	2.1	10.4	3.7	9.02	.98	32.7	24.5	42.63	11.19	4.39	4.4	15.3	9.5	3.4	3.8
1926	21.6	16.5	28.8	12.1	46.1	28.6	15.5	28.6	.86	1.03	1.46	7.02	1.8	10.0	3.5	12.61	.92	28.5	17.5	39.97	11.42	4.95	4.4	14.8	10.9	3.4	3.4
1927	18.4	14.3	27.0	12.3	46.3	30.1	13.5	32.0	.85	1.10	1.42	6.65	1.9	8.7	4.1	9.36	.60	27.5	17.3	39.51	11.09	4.44	3.9	11.5	9.8	3.2	3.4
1928	16.5	14.2	30.4	12.2	47.7	30.7	13.0	36.3	1.02	1.20	1.25	6.23	2.3	9.0	3.5	8.40	.53	26.8	20.4	37.56	10.96	4.12	3.4	10.7	10.2	3.0	2.9
1929	17.9	14.3	33.8	12.1	47.0	27.8	12.7	27.5	1.01	1.05	1.24	5.91	2.2	9.2	3.0	7.96	.52	26.2	19.7	38.81	10.71	4.22	3.4	10.6	10.1	3.2	3.0
1930	17.8	13.7	27.2	11.5	41.7	25.7	11.4	22.4	.94	.88	1.00	5.31	1.9	8.5	2.4	6.32	.44	25.8	14.4	36.95	10.76	4.17	3.2	9.4	9.0	3.0	2.8
1931	14.3	10.0	22.7	10.5	32.1	22.4	9.0	17.6	.69	.49	.62	3.57	1.2	7.7	2.1	4.25	.39	21.8	9.0	30.10	10.75	4.01	1.9	5.9	6.6	2.6	2.4
1932	9.7	6.8	21.7	8.5	24.4	18.3	5.8	15.9	.36	.50	.60	3.19	1.0	3.8	1.6	3.19	.40	16.8	7.3	26.14	10.37	3.77	2.4	5.6	5.2	2.5	2.2
1933	10.3	6.3	20.6	6.8	23.5	18.5	5.9	19.9	.49	.61	.54	3.49	1.1	3.8	1.6	3.63	.43	19.5	9.0	28.73	9.79	3.54	2.1	•5.3	5.2	2.4	2.2

[1] Per gallon prior to 1910. Approximately 7½ pounds=1 gallon.

[2] Barrels of 280 pounds.

[3] Revised to exclude linters beginning 1915.

Source: Bureau of Foreign and Domestic Commerce

No. 326.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT ARTICLES IMPORTED INTO THE UNITED STATES

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	Flaxseed, 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 jute 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*
1906	15.8	7.47	12.19	28.6	14.0	2.5	0.92	-------	1.41	10.9	8.6	15.6	2.14	78.0	32.4	0.96	52.16	15.3	62.05	266.62
1907	16.9	7.50	12.28	31.3	15.3	3.0	.63	4.3	1.38	14.5	7.9	16.1	2.11	76.6	32.7	1.14	54.55	19.0	85.66	260.41
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	58.8	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	55.58	15.7	46.06	257.57
1910	17.3	6.96	10.43	26.6	14.7	2.6	.92	3.6	1.71	10.5	7.9	16.0	2.59	100.0	13.2	.98	52.90	18.4	54.71	277.10
1911	17.4	7.24	9.50	25.0	14.4	2.8	.94	4.1	2.04	10.5	10.3	17.2	2.45	105.8	14.9	1.08	53.62	21.8	72.33	342.47
1912	18.9	7.79	12.19	24.4	15.3	3.4	.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	10.07	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	45.30	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	2.00	54.0	16.1	1.28	50.41	15.8	105.38	290.37
1915	18.7	6.57	12.27	24.3	18.3	2.4	1.10	3.8	1.25	11.9	9.5	18.1	3.21	48.3	12.5	1.28	46.39	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	18.7	3.70	57.9	12.8	1.43	40.37	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	45.67	27.5	87.45	535.01
1918	41.6	10.44	20.74	47.4	25.3	3.5	2.02	5.5	2.56	10.3	9.0	20.4	4.82	52.1	41.5	1.14	50.48	34.9	92.11	1,037.72
Dec. 31—																				
1919	35.9	13.65	24.99	71.5	30.8	6.9	1.88	6.4	3.16	14.8	19.5	24.9	5.60	40.3	48.6	1.40	82.61	41.0	134.51	904.21
1920	35.4	12.49	18.81	110.5	31.0	10.3	2.10	6.6	3.03	15.8	19.5	27.0	12.56	42.9	80.8	1.80	88.23	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	10.6	18.6	3.94	17.8	48.9	2.00	91.71	23.7	93.08	566.91
1922	31.4	10.18	17.34	40.5	14.5	3.4	1.15	3.7	2.09	9.3	12.9	24.5	2.59	15.1	59.3	2.04	74.39	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	28.2	4.93	26.7	59.7	2.35	80.18	26.4	128.33	511.09
1924	29.2	12.09	17.37	39.3	13.1	3.9	1.00	4.4	1.81	7.8	17.5	29.3	4.39	23.7	53.5	2.56	97.87	30.3	114.02	515.19
1925	27.8	13.30	15.60	40.7	16.0	4.3	1.39	5.0	2.40	10.0	22.3	31.2	2.76	48.4	51.0	2.34	80.27	33.7	190.69	680.59
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	75.88	25.5	215.06	478.07
1927	30.7	12.69	13.10	43.6	17.4	4.6	1.31	4.6	1.74	13.4	18.4	31.6	3.06	35.6	41.4	2.15	64.90	22.2	131.52	479.08
1928	30.3	13.15	13.96	46.0	23.1	4.0	1.17	4.5	1.78	12.4	21.3	30.3	2.68	25.0	42.4	2.06	62.02	24.9	129.45	698.47
1929	29.2	12.54	15.45	47.4	16.0	4.1	1.11	4.2	1.92	9.8	20.4	28.9	2.14	19.1	38.4	1.84	65.37	23.9	128.35	579.24
1930	26.7	14.13	12.40	40.7	13.0	3.6	.98	3.7	2.11	8.4	13.1	26.6	1.85	12.9	27.3	1.60	52.99	19.7	107.76	429.26
1931	23.8	12.39	9.30	31.6	8.4	2.9	.64	2.4	.98	5.6	10.0	21.6	1.77	6.6	16.3	1.47	45.92	9.9	69.71	222.45
1932	22.5	9.32	6.66	20.0	5.6	2.6	.53	1.8	.65	4.1	9.1	13.1	1.63	3.5	13.3	1.33	39.22	9.9	64.19	216.50
1933	21.9	8.94	8.11	21.0	7.8	2.8	.56	1.4	.98	4.0	7.8	14.2	1.87	4.9	9.9	1.82	34.11	10.6	56.27	276.17

Year ended—	Hemp, per ton	Manila, per ton	Jute burlaps, per pound	Wool, per pound			Silk, raw, per pound	Pulpwood, per cord	Boards, planks, deals, per M feet[1]	Wood pulp, per ton	Newsprint paper, per pound	Bituminous coal, per ton	Petroleum, crude, per gallon	Bar iron, per pound	Tin plates, terneplates, per pound	Copper, pigs, ingots, bars, per pound[2]	Tin, bars, blocks, pigs, per pound	Sodium nitrate, per ton
				Carpet	Clothing	Combing												
June 30—	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*
1906	170.55	187.90	6.5	14	24	28	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	30	4.20	4.29	17.40	29.79	-------	2.48	-------	1.9	3.3	19.8	39.70	41.05
1908	174.92	171.05	7.4	15	22	27	4.13	5.40	19.23	30.79	-------	2.59	-------	2.0	3.0	16.8	32.72	38.01
1909	153.45	115.60	5.9	11	21	21	3.38	5.96	18.85	31.47	2.4	2.85	-------	1.8	2.7	13.3	28.54	35.60
1910	161.89	112.78	5.0	13	24	25	3.21	6.39	18.37	31.11	2.1	2.75	-------	1.8	2.8	12.5	30.52	30.65
1911	177.78	116.04	5.3	13	23	26	3.25	6.40	18.51	28.42	2.2	2.83	-------	2.0	3.2	11.9	36.67	31.29
1912	219.75	116.74	6.6	13	21	24	3.11	6.47	17.46	29.78	2.1	2.85	1.9	2.0	4.3	12.7	41.56	32.03
1913	193.67	171.08	9.0	14	23	25	3.15	6.71	17.38	32.14	2.0	2.77	1.5	2.0	3.4	15.3	46.30	35.17
1914	177.34	196.82	8.6	17	25	26	3.42	6.75	19.13	33.49	2.0	2.71	1.5	2.0	3.0	14.4	39.35	31.82
1915	217.73	180.12	7.0	17	23	25	3.09	6.67	18.99	33.82	2.0	2.90	1.4	1.9	3.3	13.4	32.44	28.34
1916	252.45	178.30	9.0	22	28	29	3.61	6.51	18.98	33.27	1.9	2.99	1.4	2.8	7.9	19.5	35.34	29.98
1917	258.17	225.03	10.8	29	36	39	4.61	6.78	20.86	60.71	2.4	3.23	1.4	4.1	10.8	26.1	39.97	35.06
1918	403.40	352.99	13.3	40	54	62	5.25	9.46	25.49	62.66	2.8	4.42	1.3	4.8	8.4	24.5	54.60	43.64
Dec. 31—																		
1919	561.59	280.95	14.8	38	51	59	7.35	9.99	32.24	65.24	3.5	5.48	1.2	5.1	12.4	20.5	56.73	48.00
1920	411.75	304.09	15.6	32	51	58	9.48	13.62	42.31	110.50	4.7	6.06	1.3	6.1	14.5	18.6	58.54	47.75
1921	255.56	184.71	8.7	12	22	20	5.71	14.23	34.67	63.30	5.0	6.56	1.3	4.7	12.1	12.6	30.71	48.71
1922	232.40	124.89	9.4	17	25	29	7.21	10.53	29.54	56.31	3.5	5.92	1.3	2.8	5.1	12.5	30.26	48.21
1923	288.61	130.32	11.2	21	37	38	7.92	9.95	31.75	60.52	3.7	6.03	1.6	2.6	5.2	14.3	39.56	47.05
1924	345.50	175.54	10.3	24	46	47	6.39	10.24	30.10	55.71	3.7	5.73	2.3	2.7	6.8	12.6	47.32	47.81
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	12.6	12.9	55.40	47.23
1926	373.73	263.92	13.7	26	35	39	5.91	10.25	28.79	59.01	3.3	4.85	3.1	2.3	6.1	12.6	60.63	46.79
1927	309.08	255.49	11.8	26	34	37	5.27	10.32	27.82	57.37	3.3	4.98	3.2	2.0	8.0	11.8	63.30	40.24
1928	341.41	202.65	12.9	25	44	44	4.87	10.45	26.98	53.27	3.2	4.91	2.7	2.9	7.4	12.4	49.80	35.81
1929	290.74	186.95	12.0	27	38	38	4.91	10.81	27.52	52.75	3.0	4.88	2.4	3.0	11.2	16.1	47.06	37.52
1930	259.95	138.08	9.1	20	26	25	3.57	10.76	23.84	49.63	2.9	5.34	2.5	3.3	11.5	13.2	33.31	37.71
1931	145.17	95.60	6.7	12	24	20	2.28	10.97	20.86	42.72	2.7	5.52	2.0	2.5	9.7	8.5	24.82	38.34
1932	148.38	62.91	5.0	9	14	15	1.54	8.61	19.29	35.45	2.4	5.34	1.6	2.3	2.9	5.7	21.12	29.19
1933	211.00	56.99	6.1	10	19	18	1.52	7.41	22.03	33.09	1.9	4.62	1.3	2.8	6.9	6.2	36.36	19.07

[1] Revised to exclude cabinet woods beginning 1919.
[2] Unrefined copper beginning 1916.
Source: Bureau of Foreign and Domestic Commerce.

15.—WAGES, HOURS OF LABOR, AND EMPLOYMENT

[For data relating to hours of labor and wages shown in other sections, consult the index]

No. 327.—INDEX NUMBERS OF WAGES PER HOUR (EXCLUSIVE OF AGRICULTURE)

NOTE.—These index numbers are based on such information as afforded comparisons through a series of years. No one series of directly comparable data extends through the entire period, although many trades and industries are continuously represented in the table. Agricultural wages are not included in the indexes given in this table, but are [illegible] was made because of the seasonal character of the indus[illegible]nd the perquisites so often forming a part of the farm w[illegible]able indicate the change in earnings per hour when wage workers were actuall[illegible] base year. During the period, regular full-time working hours have bee[illegible] to full-time earnings per day or per week. Further, they [illegible] time or unemployment

[1913=100. On currency basis during Civil War period.]

Year	Index number	Year	Index number	Year	Index number	Year	Index number
1840	33	1864	50	1888	67	1912	97
1841	34	1865	58	1889	68	1913	100
1842	33	1866	61	1890	69	1914	102
1843	33	1867	63	1891	69	1915	103
1844	32	1868	65	1892	69	1916	111
1845	33	1869	66	1893	69	1917	128
1846	34	1870	67	1894	67	1918	162
1847	34	1871	68	1895	68	1919	184
1848	35	1872	69	1896	69	1920	234
1849	36	1873	69	1897	69	1921	218
1850	35	1874	67	1898	69	1922	208
1851	34	1875	67	1899	70	1923	217
1852	35	1876	64	1900	73	1924	223
1853	35	1877	61	1901	74	1925	226
1854	37	1878	60	1902	77	1926	229
1855	38	1879	59	1903	80	1927	231
1856	39	1880	60	1904	80	1928	232
1857	40	1881	62	1905	82	1929	233
1858	39	1882	63	1906	85	1930	229
1859	39	1883	64	1907	89	1931	217
1860	39	1884	64	1908	89	1932	186
1861	40	1885	64	1909	90		
1862	41	1886	64	1910	93		
1863	44	1887	67	1911	95		

Source: Bureau of Labor Statistics, Department of Labor.

No. 328.—INDEX NUMBERS OF WAGES PER HOUR, COST OF LIVING, AND REAL WAGES

NOTE.—The gener[illegible] relate to the money received per hour by the wage earner [illegible] of [illegible] his money income, but wh[illegible]le, relating to wages per hour and to cost of living are brought together and from [illegible] ber is computed showing the change in the worker's "real wage"

[1913=100]

Year	Index numbers of—			Year	Index numbers of—		
	Wages per hour	Cost of living	Real wages		Wages per hour	Cost of living	Real wages
1913	100	100.0	100.0	1923	217	171.0	126.9
1914	102	103.0	99.0	1924	223	170.7	130.6
1915	103	105.1	98.0	1925	226	175.7	128.6
1916	111	118.3	93.8	1926	229	175.2	130.7
1917	128	142.4	89.9	1927	231	172.7	133.8
1918	162	174.4	92.9	1928	232	170.7	135.9
1919	184	188.3	97.7	1929	233	170.8	136.4
1920	234	208.5	112.2	1930	229	163.7	139.9
1921	218	177.3	123.0	1931	217	148.1	146.5
1922	208	167.3	124.3	1932	186	133.9	138.9

Source: Bureau of Labor Statistics, Department of Labor.

No. 329.—WAGES AND HOURS OF LABOR: AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR IN SPECIFIED MANUFACTURING INDUSTRIES

NOTE.—**General index based on 1913=100.** Data are not collected annually, but at intervals; they are available, however, for some years not shown in this table unless otherwise indicated

TEXTILES

Cotton goods

Year	Weavers, male		Weavers, female		Spinners, frame, male		Spinners, frame, female		Speeder tenders, male		Speeder tenders, female		General index [1]	
	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
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	58.8	0.151	57.8	0.147	57.2	0.120	59.0	0.108	61.4	0.131	57.8	0.133	102.1	87.5
1913	57.6	.170	56.7	.164	56.9	.143	57.8	.128	59.8	.145	56.5	.153	100.0	100.0
1918	56.2	.301	55.4	.285	54.3	.248	56.1	.233	58.2	.265	55.0	.277	97.0	179.9
1920	51.8	.573	50.3	.528	50.7	.475	51.8	.427	54.2	.533	50.2	.486	89.7	323.5
1922	52.6	.389	51.6	.380	53.4	.292	52.6	.301	54.1	.358	51.0	.369	91.5	222.4
1924	52.8	.449	51.8	.429	53.2	.369	53.1	.319	54.3	.394	51.2	.411	91.8	250.7
1926	53.2	.396	51.9	.375	55.1	.289	53.5	.282	55.1	.343	51.0	.368	92.3	221.0
1928	53.4	.392	52.2	.371	57.8	.339	52.9	.276	55.1	.345	51.2	.359	92.5	218.3
1930	52.7	.400	52.0	.381	55.5	.322	53.5	.266	54.8	.343	51.3	.349	92.5	219.0
1932	53.1	.314	52.0	.307	53.6	.214	53.6	.213	54.2	.273	51.5	.296	92.5	179.2

Woolen and worsted goods [2]

Year	Weavers, male		Weavers, female		Spinners, mule, male		Spinners, frame, female		Burlers, female		Laborers, dyehouse, male		General index [1]	
	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
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	.232	56.0	.197	56.5	.239	55.5	.140	55.6	.146	55.6	.159	100.0	100.0
1918	54.5	.470	54.1	.406	54.9	.499	52.4	.278	54.1	.276	54.7	.304	97.0	192.6
1920	48.3	.807	48.3	.747	48.2	.816	48.2	.481	48.4	.452	48.3	.564	86.2	353.7
1922	48.3	.616	48.4	.576	49.2	.670	48.4	.345	48.2	.371	48.9	.435	87.1	267.0
1924	48.8	.701	48.9	.654	48.9	.755	48.9	.417	49.2	.420	49.2	.490	87.7	300.2
1926	48.9	.652	49.2	.600	49.7	.695	49.8	.362	49.3	.381	49.4	.445	88.0	276.5
1928	48.9	.658	48.8	.605	49.5	.684	49.7	.383	49.3	.383	49.1	.463	88.0	289.5
1930	49.3	.636	49.2	.579	49.5	.659	49.1	.387	49.0	.354	49.4	.458	88.0	266.4
1930	*49.8*	*.611*	*49.6*	*.544*	*50.0*	*.620*	*49.4*	*.380*	*49.4*	*.339*	*49.8*	*.436*		
1932	51.4	.497	52.4	.440	51.3	.515	49.4	.340	50.2	.294	50.2	.379	89.2	228.2

Silk and rayon goods

Year	Weavers, broad silk, male		Weavers, broad silk, female		Spinners, male		Spinners, female		Winders, hard silk, female		Loom fixers, male		General index [1]	
	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
1910	56.9	0.213	56.7	0.141	57.5	0.094	56.9	0.091	57.3	0.093	56.5	0.289	101.3	86.5
1913	56.0	.253	56.1	.198	56.6	.117	56.3	.110	56.3	.112	55.8	.321	100.0	100.0
1914	54.5	.247	54.2	.189	54.7	.119	54.2	.138	54.1	.121	54.3	.330	98.0	104.7
1919	51.7	.473	52.0	.398	53.9	.342	50.3	.274	51.5	.269	51.5	.546	92.6	199.0
1931	51.2	.499	49.6	.422	54.2	.344	50.2	.289	50.1	.293	51.0	.746	91.0	215.8
1933	50.7	.287	49.6	.254	55.6	.351	50.0	.211	50.3	.206	51.2	.534	91.4	143.0

Men's clothing

Year	Cutters, cloth, hand and machine, male		Pressers, coat, male		Operators, coat, male		Operators, coat, female		Hand sewers, coat, female		Basters, coat, male		General index [1]	
	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
1911	49.9	0.406	55.1	0.240	55.9	0.264	54.2	0.195	54.8	0.155	55.3	0.220	104.6	86.7
1913	49.0	.433	52.3	.201	52.5	.305	52.1	.199	52.1	.179	52.5	.267	100.0	100.0
1919	47.7	.628	47.8	.541	47.6	.591	48.1	.361	47.8	.334	47.5	.511	92.7	173.5
1922	44.0	1.033	44.1	.869	44.1	.962	43.9	.593	44.2	.526	44.3	.848	85.3	283.2
1924	44.2	1.111	44.2	.934	44.1	1.033	43.6	.614	44.1	.555	44.4	.889	85.3	295.7
1926	44.2	1.123	44.3	.933	44.1	1.034	44.4	.638	44.4	.545	44.3	.925	85.7	291.8
1928	43.8	1.129	44.0	.912	44.2	1.016	43.3	.632	43.9	.527	44.2	.905	85.1	284.4
1930	44.0	1.139	44.2	.867	44.3	.958	43.8	.570	44.2	.496	44.3	.834	85.7	272.7
1932	44.2	.920	44.3	.608	44.2	.687	44.5	.407	44.4	.345	44.2	.561	85.8	196.9

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Figures for the years 1910 to 1930 inclusive (except those for 1930 in italics) exclude Southern mills; the figures for 1930 in italics and those for 1932 include Southern mills.

No. 329.—Wages and Hours of Labor, Etc.—Continued

TEXTILES—Continued

Year	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]	
	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
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
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	.219	54.7	.184	55.4	.249	56.0	.149	56.0	.150	54.5	.176	100.0	100.0
1919	52.5	.450	51.9	.297	52.9	.407	53.0	.272	52.2	.296	51.3	.287	94.2	183.1
1922	51.3	.462	50.2	.327	51.8	.448	50.7	.293	50.8	.327	50.3	.325	91.9	213.0
1924	51.9	.531	49.8	.377	51.3	.528	50.8	.344	50.8	.384	50.3	.372	91.3	246.1
1926	53.4	.481	50.3	.358	52.0	.534	52.5	.298	52.4	.371	50.2	.374	92.4	266.6
1928	53.8	.521	50.2	.341	52.2	.490	53.1	.294	53.0	.385	50.2	.355	92.4	267.2
1930	53.7	.488	50.5	.341	51.9	.515	53.7	.273	53.0	.386	50.0	.354	93.1	273.8
1932	53.3	.380	50.8	.262	52.3	.390	53.7	.205	52.6	.289	50.6	.274	93.0	213.6

BOOTS AND SHOES

Year	Cutters, vamp and whole shoe, hand, male		Treers, hand and machine, male		Vampers, female		Bed-machine operators, male		Top stitchers, female		Lining makers, female		General index [1]	
	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		
		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	.351	55.3	.282	54.7	.246	55.2	.330	54.6	.210	54.6	.190	100.0	100.0
1920	47.8	.829	48.3	.677	48.8	.506	48.7	.789	48.5	.448	48.6	.378	88.2	232.0
1922	48.3	.787	48.6	.577	49.0	.480	48.9	.668	48.8	.433	48.8	.362	88.4	207.9
1924	48.4	.838	48.8	.624	49.4	.519	49.1	.692	49.3	.462	49.3	.369	88.9	214.1
1926	48.9	.808	49.2	.611	49.1	.531	49.1	.700	49.3	.486	49.3	.413	88.9	219.1
1928	48.6	.824	49.2	.624	49.3	.505	49.2	.682	49.4	.451	49.2	.398	89.2	220.3
1930	48.7	.796	49.1	.563	49.1	.465	49.1	.657	49.1	.419	48.8	.395	88.8	212.0
1932	48.9	.634	49.3	.433	49.0	.355	49.1	.515	49.0	.338	48.9	.310	88.8	171.2

IRON AND STEEL

Year	Blast furnaces													
	Stockers		Larrymen		Blowers		Keepers		Keepers' helpers		Laborers		General index [1]	
	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		
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1913	78.0	0.192	82.3	0.217	82.2	0.332	82.0	0.235	82.2	0.186	72.5	0.171	100	100
1920	75.5	.527	73.8	.586	73.2	.868	73.3	.635	74.5	.522	72.3	.474	94	279
1922	74.4	.352	75.1	.402	72.4	.678	75.3	.420	75.3	.349	67.7	.315	94	194
1924	60.5	.465	57.7	.548	58.3	.889	57.1	.579	58.6	.475	62.4	.401	78	254
1926	60.1	.465	57.9	.551	58.5	.902	57.4	.577	59.1	.471	62.4	.389	78	252
1929	62.6	.451	58.5	.552	58.7	.918	57.7	.579	59.5	.486	63.8	.373	79	258
1931	57.2	.485	55.3	.563	55.8	.929	55.2	.573	56.2	.492	59.5	.384	74	269
1933	55.4	.374	54.5	.430	54.8	.727	54.2	.439	53.9	.382	57.2	.289	72	217

Year	Open-hearth furnaces													
	Stockers		Charging-machine operators		Melters' helpers, first		Steel pourers		Ladle cranemen		Laborers		General index [1]	
	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		
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
1920	70.9	.573	67.2	.895	69.4	1.089	68.0	.929	68.3	.837	68.5	.625	90	283
1922	73.9	.379	72.2	.625	71.4	.775	70.4	.645	72.9	.588	67.9	.354	92	203
1924	58.2	.540	56.3	.863	55.5	1.064	56.5	.837	55.2	.832	59.0	.434	76	208
1926	57.8	.535	55.7	.951	55.3	1.170	55.6	.889	54.9	.900	59.2	.429	74	286
1929	57.9	.560	56.2	.958	55.9	1.247	56.3	.927	55.8	.941	60.5	.433	75	301
1931	54.5	.527	53.2	.879	53.1	1.239	53.5	.851	53.2	.846	57.5	.436	70	297
1933	54.3	.376	52.4	.629	52.4	.867	53.1	.575	52.4	.566	54.9	.330	70	217

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.

No. 329.—Wages and Hours of Labor, Etc.—Continued

IRON AND STEEL—Continued

Year	Bar mills												Tin-plate mills									
	Stockers		Rollers		Roughers		Finishers		Hotbed men		Laborers		General index[1]		Rollers		Roughers		Doublers, mechanical[3]		Heaters, level-handed	
	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
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.										
1913	60.2	0.216	59.3	0.985	59.8	0.436	59.6	0.350	60.3	0.217	62.5	0.169	100	100	42.7	1.139	42.7	0.533	42.7	0.740	42.7	0.595
1920	61.5	.612	59.5	1.949	57.8	1.034	60.0	.866	58.8	.618	65.1	.506	100	248	42.7	2.542	42.7	1.363	42.7	1.655	42.7	1.465
1922	59.2	.420	58.4	1.416	57.3	.709	57.9	.638	58.3	.439	64.6	.316	100	169	42.7	1.701	42.7	.893	42.7	1.046	42.7	1.001
1924	56.0	.502	53.9	1.577	54.7	.810	54.0	.749	53.8	.538	57.5	.392	90	203	42.7	2.099	42.7	1.150	42.7	1.243	42.7	1.229
1926	54.2	.519	53.2	1.699	53.2	.847	53.0	.848	53.0	.556	55.0	.411	89	205	42.7	1.635	42.7	.902	42.7	.787	42.7	.917
1929	53.5	.530	55.0	1.822	55.8	.887	53.9	.952	54.5	.601	56.0	.399	90	217	42.7	1.778	42.7	1.014	42.7	.679	42.7	.982
1931	54.2	.455	55.4	1.542	56.7	.791	54.4	.864	54.1	.578	54.2	.394	89	204	42.7	1.737	42.7	.989	42.7	.749	42.7	.942
1933	52.2	.326	54.5	.965	55.8	.536	55.0	.500	55.5	.349	53.7	.305	88	148	42.6	1.250	42.6	.709	42.6	.544	42.6	.721

Year	Tin-plate mills															
	Tinners, hand		Assorters, female		General index[1]		Bessemer converters		Puddling mills		Blooming mills		Plate mills		Standard-rail mills	
	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
				Dolls.												
1913	43.6	0.433	53.7	0.163	100	100	100	100	(4)	(4)	100	100	100	100	100	100
1920	42.9	1.114	46.9	.465	110	228	100	238	101	270	92	249	98	263	86	249
1922	43.3	.795	43.3	.365	108	156	98	165	98	151	93	178	95	187	87	185
1924	43.4	.976	43.6	.422	106	191	75	220	105	220	75	231	82	220	81	226
1926	43.5	.840	43.4	.384	104	169	75	226	98	200	74	237	80	238	78	234
1929	42.7	.907	46.1	.369	103	176	77	226	95	209	75	251	83	251	79	247
1931	42.7	.899	45.5	.380	102	171	76	234	100	181	72	251	81	246	77	241
1933	43.8	.654	45.2	.295	102	124	75	173	99	145	72	184	77	176	75	206

GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL

Year	Sheet mills	
	Hours per week	Wages per hour
1913	100	100
1920	96	215
1922	98	144
1924	96	168
1926	94	157
1929	94	164
1931	91	155
1933	90	98

MOTOR VEHICLES[5]

Year	Assemblers, chassis and final, male		Assemblers, motor, male		Gear-cutter operators, male		Grinding-machine operators, male		Tool and die makers, male		Employees in all occupations			
											Males		Females	
	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
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1922	50.3	0.644	50.0	0.661	50.2	0.678	50.0	0.710	50.0	0.769	50.1	0.662	50.3	0.438
1925	50.0	.721	49.8	.747	50.6	.746	50.1	.765	50.2	.875	50.3	.729	50.1	.467
1928	49.7	.768	50.1	.762	49.5	.760	48.8	.792	48.8	.919	49.4	.756	50.3	.487
1930	48.0	.681	48.8	.725	48.3	.740	47.6	.780	49.9	.887	48.7	.733	50.6	.436
1932	49.0	.570	48.4	.632	48.7	.623	47.7	.669	47.0	.785	48.3	.638	50.5	.361

FOUNDRIES[5]

Year	Core makers, male		Core makers, female		Laborers, male		Molders, hand, floor, male		Pattern makers, male		Employees in all occupations			
											Males		Females	
	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
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1923	51.4	0.690	49.2	0.431	53.5	0.428	51.2	0.729	51.1	0.750	52.4	0.560	49.3	0.404
1925	50.3	.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	.626	49.0	.459
1929	49.9	.744	49.1	.469	52.1	.490	50.0	.828	50.1	.833	51.0	.625	49.7	.451
1931	50.0	.706	48.6	.430	50.8	.460	50.0	.782	49.3	.834	50.3	.601	48.7	.422
1933	49.0	.590	48.1	.324	50.0	.378	48.9	.612	49.2	.652	49.4	.483	48.3	.314

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[3] Includes hand, prior to 1929. [4] No data. [5] Data available only for years shown; see head note.

No. 329.—Wages and Hours of Labor, Etc.—Continued

MACHINE SHOPS[5]

Year	Assemblers, male		Fitters and bench hands, male		Laborers, male		Lathe operators, engine, male		Machinists, male		Employees in all occupations			
											Males		Females	
	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
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1923	50.6	0.575	49.9	0.616	51.1	0.418	50.9	0.633	50.0	0.683	50.8	0.560	49.1	0.366
1925	49.6	.634	49.8	.643	50.6	.456	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	.403
1929	50.1	.657	49.8	.677	50.5	.469	50.3	.717	49.8	.739	50.3	.641	49.3	.399
1931	49.9	.656	49.5	.666	50.3	.455	50.0	.706	49.0	.733	49.8	.637	49.2	.408
1933	48.3	.538	48.5	.562	48.8	.379	48.8	.578	48.3	.606	48.5	.545	47.4	.351

LUMBER (SAWMILLS)

Year	Doggers		Setters		Sawyers, head, band		Edgermen		Trimmer operators		Laborers		General index[1]	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	(6)	(6)	(6)	(6)	61.2	0.543	61.2	0.255	61.0	0.209	61.3	0.166	100.3	97.3
1913	61.2	0.184	61.0	0.258	60.9	.557	61.0	.268	61.0	.217	61.1	.171	100.0	100.0
1915	61.3	.178	61.2	.239	61.0	.539	61.0	.252	61.1	.203	61.3	.157	100.0	91.4
1919	57.8	.358	57.0	.446	57.5	.768	57.5	.450	57.3	.405	57.1	.345	91.8	194.6
1921	58.1	.306	57.6	.412	57.8	.797	57.5	.437	57.0	.380	57.2	.285	93.6	166.5
1923	57.6	.343	57.0	.474	57.0	.883	57.1	.492	56.9	.430	57.5	.310	93.8	180.5
1925	58.2	.332	57.5	.458	57.7	.877	57.8	.468	57.7	.409	57.5	.309	93.8	178.0
1928	57.6	.335	56.5	.468	56.7	.887	56.7	.470	55.8	.429	56.9	.303	91.3	184.9
1930	57.9	.306	56.5	.451	55.9	.886	56.4	.461	55.8	.398	56.6	.291	91.2	179.0
1932	56.9	.212	55.8	.319	55.6	.652	55.7	.324	55.1	.283	56.0	.205	90.0	127.6

FURNITURE

Year	Assemblers and cabinet makers, male		Carvers, hand, male		Carvers, machine, male		Machine hands, male		Upholsterers, male		Veneerers, male		General index[1]	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	58.0	0.228	56.1	0.313	(4)	(4)	58.7	0.212	55.0	0.297	58.8	0.200	101.4	98.6
1912	58.1	.223	56.3	.313	(4)	(4)	58.5	.211	56.4	.291	58.3	.213	101.4	97.3
1913	57.2	.227	55.2	.317	(4)	(4)	57.8	.217	56.2	.295	57.3	.217	100.0	100.0
1915	57.1	.235	55.5	.322	56.6	0.286	57.5	.223	55.3	.312	57.0	.218	99.5	103.2
1929	52.1	.560	48.6	.956	51.1	.765	52.4	.512	50.1	.724	52.5	.454	89.9	236.3
1931	51.9	.445	49.7	.745	51.7	.576	52.1	.428	50.3	.538	52.5	.376	89.8	198.2

SLAUGHTERING AND MEAT PACKING[5]

Year	Cattle killing												Hog killing	
	Headers, male		Leg breakers, male		Floormen or siders, male		Gutters and bung droppers, male		Splitters, male		Laborers, male[7]		Stickers, male	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1917	(4)	0.384	(4)	0.318	(4)	0 563	(4)	0.319	(4)	0. 591	(4)	0. 238	(4)	0. 357
1921	47.6	.645	47.8	.574	48.0	.848	47.8	.578	47.8	.355	47.8	.471	49.6	.611
1923	52.1	.627	52.8	.529	52.6	.849	52.5	.554	52.5	.857	52.2	.436	53.0	.652
1925	50.0	.641	49.9	.558	49.9	.856	50.1	.575	50.0	.855	50.2	.442	51.8	.627
1927	49.0	.662	49.1	.556	49.2	.877	49.0	.587	49.1	.876	49.4	.451	50.3	.631
1929	48.8	.644	48.7	.580	48.7	.882	48.9	.598	48.7	.879	48.6	.466	50.0	.645
1931	49.1	.592	48.7	.512	48.9	.800	49.1	.517	48.9	.780	49.0	.408	50.0	.565

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[4] No data.
[5] Data are available only for years shown, see headnote.
[6] Data for doggers and setters not shown separately prior to 1911.
[7] Includes floor cleaners, mark heads, spread cattle, tie guts, laundrymen, taggers, etc.

No. 329.—Wages and Hours of Labor, Etc.—Continued

SLAUGHTERING AND MEAT PACKING—Continued

Year	Hog killing—Continued										All departments [8]			
	Scalders, male [9]		Shavers and scrapers, male		Gutters, bung droppers, and rippers-open, male		Splitters, male		Laborers, male [10]		All males		All females	
	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
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
1917	(4)	0.295	(4)	0.290	(4)	0.337	(4)	0.364	(4)	0.237	(4)	0.271	(4)	0.178
1921	48.8	.516	48.9	.502	48.7	.584	48.8	.621	48.8	.451	48.4	.511	48.3	.365
1923	52.1	.496	52.5	.497	52.4	.572	52.3	.627	52.2	.444	52.2	.499	52.8	.361
1925	51.9	.514	51.4	.523	51.9	.590	51.5	.635	51.7	.433	50.2	.507	49.4	.359
1927	50.5	.521	50.6	.535	50.4	.589	50.1	.630	51.0	.442	49.5	.517	49.1	.363
1929	50.2	.516	49.9	.528	50.0	.602	49.9	.654	49.8	.443	49.3	.525	48.9	.369
1931	50.4	.475	50.1	.480	50.3	.527	49.8	.583	49.6	.400	49.2	.470	48.9	.321

[4] No data.

[8] Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting of fresh beef, cutting of fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.

[9] Includes tubmen, droppers, gamb cutters, polemen, and duckers.

[10] Includes drivers, penners, steamers, singers, washers, aitchbone breakers, and toe pullers.

Source: Bureau of Labor Statistics, Department of Labor.

No. 330.—AVERAGE WAGES PER HOUR AND AVERAGE ACTUAL HOURS OF LABOR PER WEEK IN SUNDRY INDUSTRIES

Note.—All averages are weighted according to the relative importance of the different occupations in the industry. Data are available only for the years specified.

Year and industry	Hours, average		Wages, average		Year and industry	Hours, average		Wages, average	
	Males	Females	Males	Females		Males	Females	Males	Females
			Cents	*Cents*				*Cents*	*Cents*
Aircraft engines, 1929	50.3	-------	70.6	-------	Gasoline filling stations, 1931	59.5	-------	39.3	-------
Airplanes, 1929	47.3	44.9	66.9	38.0	Glass, 1932	34.8	38.8	49.7	24.7
Air transportation:					Leather, 1932	42.1	40.9	49.3	30.3
Ground personnel:					Motor-vehicle repair				
1931	[1] 49.5	[1] 48.0	64.5	49.7	garages, 1931	51.0	-------	57.9	-------
1933	[1] 49.8	[1] 46.8	61.3	45.7	Portland cement:				
Pilots: [2]					1929	56.7	46.6	51.8	38.9
1931	80.4	-------	708.4	-------	1932	45.8	27.2	40.1	38.6
1933	85.3	-------	736.1	-------	Pottery:				
Copilots: [3]					Semivitreous:				
1931	170.0	-------	134.1	-------	1925	[4] 74.4	[4] 69.0	70.5	38.5
1933	124.9	-------	185.1	-------	1932	[4] 59.3	[4] 54.6	53.5	29.2
Bakeries, bread, 1931	54.0	46.7	55.3	29.8	Vitreous:				
Bakeries, cake, 1931	49.9	44.1	48.6	27.5	1925	[4] 83.5	[4] 77.4	63.8	32.9
Cane-sugar refining,					1932	[4] 45.8	[4] 40.7	54.6	26.4
1930	55.1	43.0	47.2	28.9	Rayon and other				
Cigarettes, 1930	46.5	43.2	37.8	26.8	synthetic textiles:				
Dyeing and finishing of textiles:					1930	46.7	42.3	50.4	34.4
1930	50.7	42.4	47.3	33.5	1932	47.9	44.3	40.8	28.3
1932	51.1	43.5	41.8	29.1					

[1] [illegible]

[2] 1 month and average earnings per flight hour.

[3] Average full-time hours in 1 month and wages per hour on duty regardless of actual flight.

[4] Average actual hours worked in 2 weeks.

Source: Bureau of Labor Statistics, Department of Labor.

No. 331.—AVERAGE WAGES PER HOUR AND AVERAGE FULL-TIME HOURS OF LABOR PER WEEK IN THE PETROLEUM INDUSTRY, 1929

NOTE.—The four States shown accounted for about 85 per cent of the total petroleum production in the United States in 1928. The "general average," which covers all occupations of the industry indicated, including those not shown separately, is weighted according to the relative importance of the occupations

District	Oil wells															
	Derrick men		Drillers		Drillers' helpers and clean-outs' helpers		Engineers and pumpers		Firemen		Laborers, roustabouts, and connection men		General average			
	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		
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
California	48.0	0.991	48.0	1.369	48.0	0.888	48.0	0.812	48.0	0.769	48.0	0.734	48.0	0.917		
Louisiana, northern	70.5	.511	75.6	.819	76.5	.438	71.3	.494	79.8	.468	67.3	.472	69.9	.522		
Louisiana, southern	65.9	.562	68.2	.954	66.9	.496	72.2	.516	70.3	.521	63.6	.488	66.7	.572		
Oklahoma	84.0	.602	74.5	1.080	66.5	.616	73.8	.454	78.0	.486	56.5	.522	62.6	.553		
Texas, Gulf	60.4	.582	61.1	.969	59.2	.533	76.2	.479	69.8	.512	58.8	.519	62.5	.585		
Texas, other	76.2	.505	80.3	.881	77.4	.501	81.5	.435	82.1	.479	65.0	.491	67.4	.535		
	Pipe lines															
	Engineers and pumpers		Firemen		Gaugers		Laborers, roustabouts, and connection men		Line walkers		Telegraph operators		General average			
California	48.0	0.871	48.0	0.799	48.0	0.900	48.0	0.704	48.0	0.745	------	------	48.0	0.803		
Louisiana [1]	57.4	.673	53.6	.630	59.5	.726	55.1	.437	57.4	.604	50.1	0.668	55.5	.612		
Oklahoma	58.3	.694	51.1	.711	64.1	.698	55.4	.456	56.5	.613	48.4	.720	56.3	.590		
Texas, Gulf	55.5	.666	55.4	.605	53.9	.694	55.5	.479	56.4	.632	50.1	.690	55.2	.577		
Texas, other	57.1	.681	55.3	.629	61.5	.661	61.9	.493	69.8	.565	52.6	.666	60.4	.591		

[1] Northern and southern Louisiana districts combined to avoid disclosing the identity of establishments.

No. 332.—AVERAGE WAGES PER HOUR AND AVERAGE FULL-TIME HOURS OF LABOR PER WEEK IN MINING INDUSTRIES

NOTE.—Nearly all coal mines operate on a 48-hour week, but contract miners and their laborers in anthracite mines, and loaders, hand or pick miners, and ma[illegible] work less hours. General averages are weighted according [illegible] tions. Data are not collected annually, but at intervals, [illegible] except for bituminous coal mines for which 1926 data are a[illegible]

Industry and occupation	1924	1931
Metalliferous mines:		
Average hours—		
General average	53.0	51.6
Drilling-machine operators—		
Company	51.4	49.5
Contract	48.6	49.1
Muckers	52.7	50.2
Timbermen	51.5	48.7
Topmen	55.3	54.9
Trammers	50.9	48.9
Average wages—	*Cents*	*Cents*
General average	55.9	55.9
Drilling-machine operators—		
Company	59.4	64.6
Contract	72.9	69.4
Muckers	55.4	50.5
Timbermen	60.4	60.2
Topmen	42.8	40.0
Trammers	55.0	52.4

Industry and occupation	1922	1924	1929	1931	1933
Anthracite: [1]					
Average wages—	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*
General average	75.3	85.7	------	82.4	------
Company miners	69.7	79.5	------	76.9	------
Laborers	62.9	69.6	------	68.5	------
Contract miners	117.3	143.2	------	118.0	------
Laborers	82.9	97.1	------	83.3	------
Drivers	58.0	63.2	------	64.5	------
Trackmen	67.5	74.1	------	74.0	------
Bituminous coal:					
Average wages—					
General average [2]	85.3	78.8	65.9	59.8	41.0
Brakemen [1]	77.9	71.0	59.6	57.6	42.1
Drivers [1]	82.4	74.8	63.7	60.2	45.2
Loaders, hand [3]	90.2	81.1	64.8	56.1	36.9
Miners, hand or pick [3]	84.0	80.8	67.3	58.9	37.6
Miners, machine [3]	127.4	116.3	101.8	94.0	62.6
Trackmen [1]	82.6	73.7	63.5	60.8	44.6

[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 331 and 332, Bureau of Labor Statistics, Department of Labor.

No. 333.—AVERAGE HOURLY WAGE RATES PAID COMMON LABOR

NOTE.—Rates in cents per hour. Data are based on entrance rates paid unskilled adult males in important industries requiring considerable numbers of common laborers. So[illegible] rates—one for the 10-hour and one for the 8-hour day, or one for white [illegible] workers; these distinctions have not [illegible]e tabulated [illegible] the lowest rates are shown for thos[illegible] where there [illegible] Mexican workers, and the highest, [illegible] 8-hour day is more or less prevalent

Industry and geographic division	1926	1927	1928		1929		1930	1931	1932	1933
	July 1	July 1	Jan. 1	July 1	Jan. 1	July 1	July 1	July 1	July 1	July 1
Industries reporting	**42.8**	**42.6**	**43.0**	**44.9**	**45.0**	**43.7**	**43.1**	**41.2**	**38.1**	**35.1**
Automobiles	46.1	46.3	50.5	57.2	55.9	49.9	48.2	57.7	62.0	46.5
Brick, tile, and terra cotta	40.7	42.2	38.0	39.4	37.8	37.8	38.0	33.9	28.9	24.7
Cement	40.1	39.2	38.3	37.2	37.9	37.8	37.9	37.2	30.6	29.5
Electrical machinery, apparatus and supplies	43.1	44.2	44.9	46.0	45.7	45.9	44.8	42.9	39.6	41.2
Foundry and machine-shop products	37.1	37.8	38.1	38.4	39.4	39.8	39.0	38.2	34.8	31.8
Iron and steel	42.7	43.2	42.6	42.5	42.5	42.5	42.1	41.8	31.8	33.6
Leather	40.9	41.4	42.1	42.3	42.1	42.2	41.9	39.1	32.9	31.6
Lumber (sawmills)	33.6	32.2	31.0	31.7	30.8	32.0	31.6	27.7	21.5	20.8
Paper and pulp	42.8	42.5	44.2	44.3	43.1	44.0	43.2	37.2	35.6	32.6
Petroleum refining	47.9	44.0	44.5	45.4	48.0	45.7	48.1	47.5	42.1	40.7
Slaughtering and meat packing	41.5	41.7	41.8	42.2	41.2	42.0	41.8	41.7	34.6	32.3
Public utilities [1]	42.0	39.8	41.2	42.9	41.9	42.8	44.6	44.6	41.5	38.7
General contracting [2]	47.1	48.2	48.2	47.4	48.6	48.3	47.0	42.6	39.9	38.3
United States	**42.8**	**42.6**	**43.0**	**44.9**	**45.0**	**43.7**	**43.1**	**41.2**	**38.1**	**35.1**
New England	47.1	46.7	47.3	48.2	46.4	48.0	49.5	45.4	40.4	37.1
Middle Atlantic	45.1	47.2	48.7	47.8	47.6	46.4	46.1	45.1	40.4	36.7
East North Central	48.0	46.7	47.4	51.6	52.2	48.4	47.0	45.2	45.0	38.9
West North Central	40.1	40.6	41.1	41.3	41.0	41.8	40.6	42.9	35.8	34.5
South Atlantic	32.8	31.5	29.4	29.4	29.2	30.2	32.1	28.9	23.4	25.3
East South Central	27.6	27.0	26.7	26.0	26.3	26.8	26.7	25.2	21.0	25.7
West South Central	32.5	31.8	30.9	33.8	32.9	35.6	33.0	29.9	23.7	23.4
Mountain	44.4	44.4	43.7	44.0	45.1	44.9	45.2	43.1	39.3	42.3
Pacific	45.9	46.5	46.6	46.9	48.4	47.9	47.6	43.5	40.2	38.0

[1] Includes street railways, gas w[illegible]ctric power and light plants.
[2] Includes building, highway, [illegible] construction.

No. 334.—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 forms 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
1915	20	20	20	14	12	16	21	25	26	26
1917	28	31	30	21	17	21	29	34	36	36
1918	36	39	38	27	23	28	39	45	44	45
1919	41	41	41	32	28	36	43	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	36	41	52
1925	38	46	45	27	25	27	37	38	44	52
1926	39	50	46	30	25	27	38	36	43	52
1927	39	49	47	28	25	30	39	38	45	53
1928	40	50	44	26	26	28	39	38	46	53
1929	39	51	43	27	26	31	40	38	46	53
1930	39	50	42	25	25	28	38	37	47	53
1931	36	45	38	21	20	23	37	36	45	51
1932	32	36	36	19	19	26	37	34	44	48
1933	35	36	36	23	20	28	41	35	44	52
1932										
March	34	44	38	19	16	27	40	37	45	47
June	33	34	35	20	19	25	36	31	44	47
September	32	34	34	19	19	26	36	34	44	47
December	32	33	35	21	20	27	37	34	44	48
1933										
March	32	34	36	21	19	27	40	34	43	50
June	33	33	35	23	20	28	39	34	42	49
September	37	38	36	25	20	28	43	36	44	52
December	38	39	39	25	23	31	45	38	47	58

Sources: Table 333, Bureau of Labor Statistics, Department of Labor; Table 334, Bureau of Public Roads, Department of Agriculture.

No. 335.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES: REVISED SERIES

NOTE.—Monthly averages, 1923–1925=100. Indexes are currently based on monthly reports from establishments in 1931 (52 to 62 industries in earlier years) and employ approximately 50 percent of all factory employees in the United States. The indexes for manufacturing as a whole, for each of the separate industries included (for the most important of which see table 338) and for the 14 industrial groups in Table 337 have been adjusted to conform with the Federal Biennial Census data on employment and pay rolls through the year 1931, according to the relative importance of the industries included and as shown by the census. For a detailed description of the construction of these indexes refer to publications of the United States Bureau of Labor Statistics. See Table 336 for seasonally adjusted indexes of employment.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1919	105.3	102.0	102.4	102.5	103.1	104.3	106.9	109.7	111.7	111.3	112.6	114.4	107.2
1920	114.9	113.7	116.0	114.5	112.0	111.1	108.5	108.8	107.5	103.7	97.4	89.7	108.2
1921	81.0	82.6	83.2	82.1	81.9	81.0	79.8	81.2	83.4	84.1	84.2	83.3	82.3
1922	82.5	84.6	85.9	85.8	87.9	89.8	88.2	91.4	94.5	97.0	99.0	100.5	90.6
1923	100.7	102.5	104.6	105.0	105.3	106.0	104.9	105.2	105.7	104.5	103.2	101.4	104.1
1924	100.2	101.5	101.7	99.9	96.8	93.8	91.0	92.1	94.4	95.3	94.8	96.1	96.5
1925	96.3	98.1	98.8	98.7	98.1	98.0	97.8	99.5	101.5	102.2	101.8	101.5	99.4
1926	100.5	101.5	102.1	101.4	100.4	100.3	99.4	101.4	103.4	103.1	101.4	100.0	101.2
1927	98.2	99.7	100.2	99.6	99.1	99.1	98.1	99.3	100.5	99.6	97.4	96.1	98.9
1928	95.0	96.5	97.6	97.1	97.0	97.8	97.7	100.1	102.2	102.6	101.7	101.2	98.9
1929	100.8	102.9	104.1	105.3	105.3	105.6	106.1	107.9	109.0	107.7	103.6	99.8	104.8
1930	97.3	97.4	96.9	96.3	94.8	92.9	89.5	88.8	89.6	87.7	84.6	82.3	91.5
1931	79.6	80.3	80.7	80.7	80.1	78.4	77.0	77.1	77.4	74.4	71.8	71.0	77.4
1932	68.7	69.5	68.4	66.1	63.4	61.2	58.9	60.1	63.3	64.4	63.4	62.1	64.1
1933	60.2	61.1	58.8	59.9	62.6	66.9	71.5	76.4	80.0	79.6	76.2	74.4	69.0
PAY ROLLS													
1919	95.3	89.6	90.0	89.2	90.0	92.0	94.8	99.9	104.7	102.2	106.7	114.0	97.4
1920	117.2	115.5	123.7	120.9	122.4	124.2	119.3	121.6	119.8	115.8	107.0	98.0	117.1
1921	82.8	81.3	81.7	79.0	77.3	75.4	71.7	73.9	73.4	72.6	71.7	73.3	76.2
1922	69.6	72.4	74.9	73.8	77.2	80.5	78.5	83.0	87.0	89.5	93.4	95.7	81.3
1923	94.6	97.9	102.5	103.8	107.3	107.5	103.3	103.8	104.3	100.6	104.5	102.9	103.3
1924	98.8	104.1	104.1	101.8	97.5	92.4	85.7	89.3	92.5	95.1	93.7	97.6	96.1
1925	95.4	100.8	102.4	100.0	100.7	98.7	96.8	99.3	98.8	104.6	104.6	105.2	100.6
1926	100.9	105.0	106.5	104.4	103.1	103.3	99.0	103.4	104.4	107.6	104.1	103.5	103.8
1927	98.4	104.4	105.7	104.5	104.0	102.4	98.5	101.9	101.4	102.1	98.5	99.5	101.8
1928	96.0	101.2	102.5	100.5	101.3	101.7	99.0	103.3	104.7	108.2	105.0	105.6	102.4
1929	102.3	109.3	111.6	112.6	112.9	111.2	107.2	112.0	112.9	112.4	104.1	100.7	109.1
1930	95.9	98.8	98.8	97.7	95.4	92.3	84.3	83.3	84.1	82.2	76.8	75.2	88.7
1931	70.0	74.3	75.6	74.4	73.4	69.7	66.2	65.9	63.4	61.3	58.1	57.6	67.5
1932	53.5	54.6	53.1	49.5	46.8	43.4	39.8	40.6	42.9	44.7	42.9	41.5	46.1
1933	39.5	40.2	37.1	38.8	42.7	47.2	50.8	56.8	59.1	59.4	55.5	54.5	48.5

Source: Bureau of Labor Statistics, Department of Labor.

No. 336.—INDEXES OF EMPLOYMENT IN MANUFACTURING INDUSTRIES: ADJUSTED FOR SEASONAL VARIATIONS

NOTE.—**Monthly average, 1923–1925=100.** Indexes are based upon the data shown in Table 335. For a description of the methods of adjustment see the Federal Reserve Board Bulletin for June 1934, p. 324

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1919	107.5	103.2	102.1	102.5	103.4	104.4	107.1	108.4	109.4	109.2	111.7	114.5
1920	117.2	115.0	115.7	114.4	112.3	111.2	108.6	107.4	105.2	101.9	96.4	89.6
1921	82.4	83.3	82.9	82.1	82.1	81.4	80.3	80.6	81.9	82.6	83.4	83.3
1922	84.0	85.3	85.8	86.1	88.2	90.1	88.8	90.7	92.8	95.6	98.3	100.6
1923	102.6	103.1	104.1	104.7	105.4	106.4	105.9	105.1	104.0	103.4	103.2	102.0
1924	101.8	101.8	101.1	99.6	96.9	94.3	92.0	92.1	92.9	94.0	94.7	96.6
1925	97.8	98.4	98.4	98.5	98.3	98.6	99.0	99.3	99.6	100.7	101.7	102.2
1926	102.3	101.9	101.7	101.1	100.7	100.9	100.5	101.1	101.4	101.5	101.3	100.8
1927	100.0	100.2	99.9	99.5	99.4	99.5	99.2	98.9	98.4	97.8	97.4	97.0
1928	96.8	97.1	97.3	97.0	97.3	98.1	98.4	99.4	99.9	100.7	101.8	102.3
1929	103.1	103.6	104.0	105.1	105.4	105.9	107.0	107.2	106.3	105.5	103.6	101.0
1930	99.4	98.1	96.8	96.1	94.9	93.2	90.3	88.2	87.0	85.8	84.7	83.3
1931	81.7	81.1	81.0	80.6	80.3	78.8	78.0	76.8	75.2	72.9	71.6	71.5
1932	70.2	70.1	68.4	66.1	63.7	61.6	59.6	60.0	61.8	63.0	63.2	62.4
1933	61.4	61.7	58.9	59.9	62.9	67.4	72.5	76.4	78.0	77.8	75.9	75.0

Source: Federal Reserve Board.

No. 337.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS: BY GROUPS OF INDUSTRIES

NOTE.—Monthly average, 1923–1925=100. See headnote, Table 335

Year and month	Food and kindred products		Textiles and their products		Lumber and allied products		Paper and printing		Chemicals and allied products		Rubber products		Leather and manufactures	
	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls
1919	109.8	97.6	98.8	89.8	94.1	89.3	96.0	73.1	(1)	(1)	(1)	(1)	108.1	99.9
1920	106.7	109.6	99.0	107.7	89.4	109.9	103.4	99.1	(1)	(1)	(1)	(1)	98.5	106.5
1921	93.7	94.1	92.6	89.3	76.6	69.7	88.0	82.5	(1)	(1)	(1)	(1)	86.6	86.5
1922	97.5	92.8	97.3	91.4	97.4	82.2	92.2	85.9	(1)	(1)	(1)	(1)	97.3	96.1
1923	102.1	100.4	105.2	105.8	101.5	100.0	99.2	96.2	102.9	102.2	102.6	101.0	106.6	106.9
1924	98.4	99.4	94.9	93.8	98.1	98.4	99.7	99.5	96.7	96.3	91.8	92.9	96.3	95.3
1925	99.5	100.2	99.9	100.4	100.4	101.6	101.1	104.3	100.4	101.5	105.6	106.1	97.1	97.8
1926	99.5	101.8	99.9	100.2	100.4	102.5	104.1	110.8	106.7	108.8	105.1	107.0	96.6	98.9
1927	101.7	104.0	104.0	106.8	94.1	96.7	104.1	111.0	104.1	107.9	105.7	110.0	97.7	100.3
1928	105.8	107.6	101.3	101.7	92.4	94.2	105.0	112.3	102.9	108.1	111.1	117.5	95.6	95.8
1929	112.8	113.9	104.8	105.2	95.4	97.4	111.3	119.5	115.6	121.0	111.0	115.1	98.5	99.0
1930	109.4	108.9	92.9	85.6	76.1	72.6	108.0	114.6	109.5	112.2	85.9	84.7	91.2	82.3
1931	97.4	93.0	87.2	75.1	56.3	46.6	96.3	97.3	95.1	91.8	73.9	62.5	84.3	72.1
1932	86.4	74.2	76.7	53.5	41.1	25.1	85.0	74.8	84.0	70.4	65.4	44.9	79.0	58.1
1933	94.4	76.2	87.9	61.2	44.2	26.4	86.2	69.3	94.7	74.3	73.9	50.2	83.3	62.9
1932														
January	83.7	78.7	81.1	62.2	45.1	30.4	90.7	85.5	89.8	78.1	68.7	50.9	79.1	60.2
February	82.3	76.7	84.4	66.5	45.0	29.9	89.0	83.5	89.8	78.7	68.7	51.6	83.7	69.4
March	81.5	75.1	82.7	64.5	43.0	28.1	88.2	82.3	89.1	77.5	67.6	49.4	84.8	70.6
April	82.8	74.6	76.9	54.2	42.0	26.3	87.0	79.8	89.0	75.6	66.5	46.3	82.4	63.0
May	82.2	74.8	71.2	45.9	40.7	25.0	85.3	76.9	84.7	73.0	65.7	45.8	76.1	51.6
June	84.9	74.5	66.7	41.3	39.9	23.5	83.6	72.8	77.1	67.7	66.5	49.8	73.8	50.6
July	86.2	72.3	62.0	36.9	38.5	21.3	82.1	68.9	75.7	63.5	64.4	43.0	74.9	52.3
August	91.2	74.0	69.7	46.3	38.3	21.9	80.8	67.1	75.1	63.0	63.2	39.7	79.6	58.4
September	97.9	77.4	79.8	57.1	39.9	23.9	82.3	69.8	82.5	66.5	61.6	38.1	81.5	61.7
October	93.8	75.3	84.0	60.5	41.5	25.6	83.9	71.7	84.6	67.6	63.5	41.9	82.6	62.3
November	87.3	70.2	82.1	55.0	40.6	23.9	83.6	70.0	85.2	67.5	64.3	40.9	76.1	49.4
December	82.8	67.3	80.2	51.6	39.1	21.6	83.1	69.5	85.0	66.4	64.2	41.2	73.3	47.5
1933														
January	79.1	64.6	77.9	48.3	36.4	18.8	81.6	66.7	84.0	66.4	61.8	36.9	76.7	49.3
February	78.2	63.0	80.9	52.6	36.0	18.8	81.5	65.6	85.4	66.4	62.2	37.2	80.9	56.5
March	77.0	60.8	76.0	45.2	34.3	16.4	80.0	63.1	84.9	65.3	59.8	32.6	80.1	53.1
April	83.0	67.5	78.3	49.0	35.0	17.8	79.8	62.2	86.4	65.1	59.6	35.0	78.3	51.8
May	85.1	70.4	82.3	52.0	37.9	20.7	80.6	64.9	85.7	68.0	62.4	43.7	79.9	57.3
June	89.7	73.5	89.7	59.3	42.7	24.8	82.3	66.4	87.9	71.3	69.3	53.3	83.4	64.8
July	94.5	76.8	95.4	64.4	46.6	27.6	84.1	67.9	92.3	74.1	77.4	60.4	89.5	72.4
August	105.4	82.1	97.8	74.1	50.4	32.4	88.7	71.0	99.1	77.9	86.6	61.9	92.9	78.2
September	120.9	94.8	98.2	78.7	54.3	37.3	92.7	74.7	106.0	81.5	88.8	61.4	90.7	77.5
October	115.9	91.1	97.7	77.4	55.2	38.1	94.5	76.0	109.1	85.5	88.7	62.9	88.9	72.3
November	104.8	85.3	92.9	69.7	52.3	33.6	94.2	75.6	108.4	84.6	86.7	58.3	79.1	60.1
December	99.2	84.4	88.0	64.0	49.8	31.0	94.5	77.2	107.6	84.9	83.9	59.0	78.7	61.1

Year and month	Stone, clay, and glass products		Iron and steel and their products [2]		Nonferrous metals and their products		Machinery [3]		Transportation equipment		Railroad repair shops		Tobacco manufactures	
	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls
1919	86.4	72.1	99.9	97.1	(1)	(1)	116.9	103.7	(1)	(1)	(1)	(1)	113.4	107.3
1920	89.8	92.8	107.8	123.8	(1)	(1)	128.9	135.2	(1)	(1)	(1)	(1)	111.3	124.6
1921	72.2	66.5	66.6	57.0	(1)	(1)	77.5	69.5	(1)	(1)	(1)	(1)	108.3	104.5
1922	85.5	72.6	84.1	70.6	(1)	(1)	81.7	71.8	(1)	(1)	(1)	(1)	105.8	99.1
1923	100.4	98.3	103.9	103.2	105.4	103.7	105.8	104.0	107.6	107.7	108.6	109.6	105.7	104.1
1924	98.9	100.5	97.0	96.7	96.7	95.9	95.1	95.3	93.1	90.8	96.4	95.6	98.8	99.4
1925	100.7	101.2	99.1	100.1	97.9	100.4	99.1	100.7	99.3	101.5	95.0	94.8	95.5	96.5
1926	103.8	104.2	102.5	105.0	(1)	(1)	107.8	111.2	99.1	99.5	95.5	96.1	90.9	92.1
1927	99.9	100.5	97.2	98.6	96.5	100.5	102.3	106.0	87.9	89.8	89.0	92.0	93.4	91.0
1928	95.7	96.2	96.6	100.4	(1)	(1)	105.1	111.3	96.2	101.6	83.8	87.2	90.7	86.1
1929	93.8	93.7	102.6	107.8	111.4	116.4	125.9	134.2	103.5	105.4	82.6	90.4	83.9	81.8
1930	80.2	76.9	89.2	85.7	(1)	(1)	104.6	102.2	80.2	70.2	73.4	76.1	78.3	72.7
1931	63.7	53.9	69.7	55.0	74.0	63.1	78.3	63.9	66.3	52.3	64.1	61.7	72.1	60.1
1932	44.6	29.1	53.3	29.1	58.1	39.1	56.3	36.1	56.0	40.7	53.4	42.7	64.0	47.3
1933	45.0	27.6	58.6	36.2	62.0	41.5	58.9	37.9	54.2	39.5	52.0	41.7	59.7	42.5
1932														
January	46.9	32.5	59.4	36.3	64.1	47.3	66.1	47.5	64.7	47.8	55.4	48.5	63.5	49.0
February	47.6	34.3	59.6	37.1	64.9	48.5	66.0	47.5	67.1	51.8	56.1	46.6	66.0	49.4
March	47.7	33.8	58.5	35.5	63.9	45.5	64.0	44.6	65.6	51.3	56.4	46.8	64.8	48.1
April	47.8	33.6	56.5	32.3	61.0	41.9	60.7	40.9	61.7	48.2	57.0	47.3	62.9	45.5
May	45.8	31.2	54.3	30.7	58.1	38.2	58.4	38.0	61.7	52.3	55.3	47.2	61.8	44.7
June	43.3	27.6	52.4	27.2	56.2	36.0	55.3	34.4	61.0	46.3	51.9	41.8	63.4	48.1

[1] Data not available.

[2] Not including machinery.

[3] Not including transportation equipment.

No. 337.—Indexes of Employment and Pay Rolls in Manufacturing Establishments: By Groups of Industries—Continued

Year and month	Stone, clay, and glass products		Iron and steel and their products		Nonferrous metal and products		Machinery		Transportation equipment		Railroad repair shops		Tobacco manufactures	
	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls
1932														
July	41.7	25.4	49.4	23.4	50.2	30.8	52.3	30.6	58.8	43.1	50.7	37.3	62.8	47.3
August	42.1	26.0	48.7	23.5	52.9	32.2	50.1	29.0	52.4	33.7	48.2	36.0	62.7	45.6
September	43.3	26.5	49.8	24.8	55.3	35.7	50.4	29.7	46.7	25.1	50.0	36.5	64.3	46.9
October	44.5	28.0	51.1	27.2	56.9	39.1	51.0	30.6	41.1	26.6	52.3	39.5	66.0	48.4
November	43.5	26.4	51.1	26.4	57.6	38.3	51.1	30.2	43.9	29.5	54.0	42.8	66.8	48.2
December	40.5	24.3	49.3	24.6	55.9	35.6	50.6	30.3	47.5	33.2	53.3	42.6	63.3	46.4
1933														
January	35.2	20.7	46.8	22.8	52.2	31.5	48.1	28.2	51.4	35.8	51.7	39.2	55.7	35.7
February	36.5	21.4	49.0	24.8	53.2	32.0	48.7	28.7	50.3	32.1	50.8	39.2	58.6	37.1
March	36.9	21.2	46.8	22.7	50.8	29.1	47.1	26.2	45.2	27.8	50.6	38.1	53.3	33.4
April	38.4	21.6	48.1	24.6	51.9	30.5	47.7	26.8	45.3	31.9	48.1	36.2	52.0	33.4
May	41.3	24.5	51.0	29.8	54.1	35.3	50.1	30.6	48.8	38.7	49.7	38.9	59.2	42.1
June	45.9	28.6	55.7	36.2	58.4	40.0	54.2	35.6	51.7	40.6	48.4	38.1	61.2	43.7
July	49.3	29.9	61.8	41.4	61.7	43.1	58.1	39.1	58.3	43.5	51.7	40.0	60.3	43.6
August	52.8	33.9	68.4	50.0	69.2	48.3	64.5	43.5	61.6	49.7	54.2	45.9	62.2	44.5
September	52.9	33.5	71.4	47.5	74.3	51.6	69.8	46.6	64.3	48.2	55.1	45.3	61.7	43.2
October	51.6	33.6	69.8	47.6	75.6	53.8	73.0	50.2	59.1	43.3	55.0	48.9	64.6	51.2
November	50.3	31.8	67.9	43.3	72.6	52.4	73.3	50.2	53.5	38.6	54.8	46.1	66.0	50.1
December	49.0	31.0	66.6	43.7	69.8	50.2	71.8	49.1	61.1	43.7	53.5	44.7	62.1	46.5

Source: Bureau of Labor Statistics, Department of Labor.

No. 338.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS: By Industry Groups and Industries

Note.—Monthly average, 1923-1925=100. Indexes for some of the groups include industries that are not shown separately in this table. See headnote, Table 335.

Industry group and industry	Employment					Pay rolls				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
Food and kindred products	112.8	109.4	97.4	86.4	94.4	113.9	108.9	93.0	74.2	76.2
Baking	123.6	121.5	112.6	101.2	101.2	125.3	123.7	109.0	88.6	82.7
Beverages	101.3	(1)	85.5	74.0	127.9	106.1	(1)	83.1	64.3	118.0
Butter	100.3	(1)	82.0	75.3	76.1	102.5	(1)	79.1	65.7	58.7
Confectionery	101.7	92.1	82.0	74.2	79.7	103.7	93.3	77.5	59.9	59.5
Flour	80.6	73.9	68.1	65.1	67.7	85.7	78.7	66.7	55.9	53.9
Ice cream	96.0	89.0	76.0	64.5	62.9	102.7	93.0	76.9	56.4	48.6
Slaughtering and meat packing	96.7	92.1	84.1	79.8	87.6	101.5	96.3	82.2	65.2	67.7
Sugar refining, cane	94.3	92.3	80.3	74.2	78.6	91.4	89.7	79.6	68.7	67.0
Textiles and their products	104.8	92.9	87.2	76.7	87.9	105.2	85.6	75.1	53.5	61.2
Fabrics	99.2	86.0	80.3	71.9	86.2	99.4	79.4	70.2	50.9	62.2
[illegible]	96.2	74.2	67.5	52.0	60.6	90.1	59.7	54.3	32.2	42.6
[illegible]	96.1	80.7	74.5	67.8	87.5	90.1	69.4	61.0	44.6	62.1
[illegible] tiles	121.8	112.0	103.3	89.3	94.8	124.8	108.7	101.2	72.3	73.6
Knit goods	112.5	102.9	96.0	94.1	102.2	129.8	108.6	92.2	75.5	81.4
Silk and rayon goods	103.8	95.1	86.9	68.7	75.5	105.6	87.2	74.8	46.4	51.8
Woolen and worsted goods	82.6	67.2	67.1	59.5	78.2	80.1	60.5	57.3	41.3	54.5
Wearing apparel	113.3	105.0	99.6	84.8	88.2	111.0	93.6	80.7	55.5	55.7
Clothing, men's	103.2	91.4	84.9	74.4	80.3	95.8	74.7	62.8	42.3	47.3
Clothing, women's	146.8	142.2	135.8	110.4	110.0	142.6	127.9	110.5	73.9	68.0
Millinery	101.3	91.3	83.7	76.3	75.9	104.0	88.6	79.2	65.2	57.9
Shirts and collars	109.1	102.7	104.0	90.5	99.0	109.2	90.3	82.7	61.0	72.1
Lumber and allied products	95.4	76.1	56.3	41.1	44.2	97.4	72.6	46.6	25.1	26.4
Furniture	111.9	89.0	73.7	57.8	61.7	114.0	80.7	59.2	34.8	36.3
Lumber, millwork	84.6	64.4	51.1	35.6	34.5	83.5	61.1	42.0	21.7	19.5
Lumber, sawmills	87.7	67.6	41.1	26.1	28.7	90.7	67.6	33.6	14.2	16.0
Paper and printing	111.3	108.0	96.3	85.0	86.2	119.5	114.6	97.3	74.8	69.3
Boxes, paper	97.9	90.7	81.8	70.5	77.0	102.9	91.6	79.0	60.1	62.7
Paper and pulp	106.1	102.5	89.5	82.4	90.3	112.5	104.6	82.1	61.7	64.9
Printing and publishing:										
Book and job	113.1	110.9	100.7	85.8	79.4	118.7	115.6	99.1	73.4	62.5
Newspapers and periodicals	111.0	109.9	101.8	92.8	93.3	121.8	119.4	108.0	88.6	80.0

[1] Data not available.

No. 338.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS: BY INDUSTRY GROUPS AND INDUSTRIES—Continued

Industry group and industry	Employment					Pay rolls				
	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
Chemicals and allied products	115.6	109.5	95.1	84.0	94.7	121.0	112.2	91.8	70.4	74.3
Chemicals	109.2	99.5	85.1	72.9	87.2	120.0	103.5	84.2	63.0	71.9
Druggists' preparations	116.4	106.2	103.2	90.3	90.7	124.4	116.3	105.3	82.4	81.0
Explosives	95.3	79.7	80.4	66.4	76.3	102.0	74.7	66.9	45.3	52.3
Fertilizers	113.4	111.0	78.8	62.4	82.5	108.3	104.2	73.4	49.6	55.8
Paints and varnishes	122.3	(1)	94.4	82.2	85.7	129.6	(1)	90.3	66.8	64.3
Petroleum refining	124.4	124.9	106.2	96.1	99.8	129.2	130.4	105.8	85.4	83.1
Rayon and allied products	244.4	242.2	241.9	217.0	281.9	220.2	214.1	188.4	140.4	178.8
Rubber products	111.0	85.9	73.9	65.4	73.9	115.1	84.7	62.5	44.9	50.2
Boots and shoes	102.1	82.0	63.2	52.5	50.9	105.6	77.4	48.6	37.7	42.5
Rubber goods other than boots, shoes, tires, etc	120.3	(1)	102.3	94.1	112.2	126.4	(1)	89.9	70.0	79.5
Tires and inner tubes	110.0	79.0	64.9	57.1	64.7	113.2	79.3	56.2	37.7	41.7
Leather and its manufactures	98.5	91.2	84.3	79.0	83.3	99.0	82.3	72.1	58.1	62.9
Boots and shoes	96.7	90.2	85.3	81.7	83.9	95.6	78.3	70.2	58.5	61.5
Leather	91.1	84.6	76.9	69.1	81.3	92.8	83.0	72.5	56.0	66.8
Stone, clay, and glass products	93.8	80.2	63.7	44.6	45.0	93.7	76.9	53.9	29.1	27.6
Brick, tile, and terra cotta	91.5	72.2	50.2	29.6	27.0	84.7	62.2	35.2	14.0	12.0
Cement	90.3	84.6	65.8	44.9	41.1	92.9	83.4	56.9	27.7	22.2
Glass	96.7	83.8	71.5	58.9	69.8	100.9	82.9	66.5	45.9	52.9
Pottery	94.7	82.9	72.3	57.0	60.2	91.4	74.1	56.4	35.1	35.8
Iron and steel and their products, not incl. machinery	102.6	89.2	69.7	53.3	58.6	107.8	85.7	55.0	29.1	36.2
Cast-iron pipe	87.8	80.4	71.5	45.5	39.2	85.2	75.3	55.1	24.2	19.7
Hardware	101.7	88.6	70.3	55.1	55.8	106.9	81.6	58.9	35.5	36.1
Blast furnaces and steel works	103.2	90.3	68.4	51.5	58.5	109.6	87.7	53.6	24.8	35.4
Steam and hot-water heating apparatus and steam fittings	91.6	78.3	67.1	46.5	49.5	92.4	69.0	46.3	24.7	26.4
Stoves	99.3	83.1	69.4	57.3	68.7	98.8	74.3	53.4	35.0	43.9
Structural and ornamental metal work	111.2	98.9	76.0	50.8	46.1	112.8	94.2	61.5	31.1	26.3
Tin cans and other tinware	104.3	(1)	83.7	73.8	78.7	113.6	(1)	83.3	67.3	70.6
Wirework	124.2	(1)	95.6	90.3	103.3	129.3	(1)	80.6	61.9	75.7
Nonferrous metals and their products	111.4	(1)	74.0	58.1	62.0	116.4	(1)	63.1	39.1	41.5
Aluminum manufactures	138.4	(1)	90.2	64.3	71.8	150.0	(1)	81.3	42.1	50.9
Brass, bronze, and copper products	121.5	96.6	74.9	57.8	64.1	128.3	88.7	60.3	35.8	41.3
Lighting equipment	104.2	(1)	65.3	49.5	51.4	110.6	(1)	60.4	38.8	38.7
Smelting and refining copper, lead, and zinc	91.3	(1)	54.4	45.3	50.7	99.4	(1)	45.9	27.3	29.2
Stamped and enameled ware	120.5	106.3	85.4	69.8	76.5	125.6	104.9	76.8	49.0	52.3
Machinery, not including transportation equipment	125.9	104.6	78.3	56.3	58.9	134.2	102.2	63.9	36.1	37.9
	147.9	110.7	62.3	39.2	44.5	160.0	106.9	51.9	32.4	37.7
	127.3	107.1	80.9	56.8	51.3	134.4	109.3	68.7	37.1	33.6
Engines, turbines, tractors, and water-wheels	125.3	106.1	68.1	42.4	44.8	138.9	107.2	54.0	24.0	25.7
Foundry and machine-shop products	111.3	94.2	69.7	50.4	52.6	117.9	89.0	55.4	31.1	32.8
Machine tools	167.2	126.0	74.7	40.5	41.7	187.6	121.9	61.5	27.5	28.7
Radios and phonographs	204.5	141.0	124.4	100.0	151.4	202.9	139.8	96.5	62.7	85.4
Textile machinery and parts	88.1	71.2	61.3	48.7	61.1	96.7	66.0	54.3	35.4	47.0
Transportation equipment	103.5	80.2	66.3	56.0	54.2	105.4	70.2	52.3	40.7	39.5
Automobiles	111.3	80.3	71.0	60.8	59.8	111.6	65.7	53.4	42.3	42.8
Cars, electric and steam railroad	63.1	54.7	29.6	26.3	25.4	63.1	53.2	25.4	23.5	20.5
Locomotives	56.8	52.3	28.0	19.4	15.6	58.3	51.5	18.1	8.9	5.8
Shipbuilding	101.3	107.3	83.0	66.0	55.4	109.7	113.5	76.8	52.5	38.9
Railroad repair shops	82.6	73.4	64.1	53.4	52.0	90.4	76.1	61.7	42.7	41.7
Electric railroad	87.8	85.8	79.3	71.7	66.3	97.2	93.0	80.2	64.3	55.1
Steam railroad	82.2	72.4	62.9	52.0	50.9	89.8	74.8	60.4	41.2	40.8
Tobacco manufactures	83.9	78.3	72.1	64.0	59.7	81.8	72.7	60.1	47.3	42.5
Chewing and smoking tobacco and snuff	68.0	69.8	71.9	76.2	74.5	71.3	71.3	69.0	66.0	63.1
Cigars and cigarettes	86.0	79.4	72.1	62.5	57.9	83.1	72.9	58.9	45.0	39.9

[1] Data not available.

Source: Bureau of Labor Statistics, Department of Labor.

No. 339.—INDEXES OF FACTORY EMPLOYMENT AND PAY ROLLS IN SPECIFIED STATES.

[Index numbers for New Jersey and Pennsylvania, relative to monthly average of the years 1923–1925 as 100; for Massachusetts, New York, Illinois, and Wisconsin, monthly average of the years 1925–27]

Year and month	Employment						Pay rolls					
	Massachusetts [1]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]	Massachusetts [1]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]
1923	-------	111.9	104.4	106.6	112.5	102.1	-------	105.6	102.2	106.7	107.4	95.8
1924	-------	102.0	96.6	95.9	103.1	97.3	-------	97.9	96.0	95.0	95.3	93.0
1925	100.1	101.3	99.1	97.5	99.8	101.4	99.5	99.2	101.8	98.3	97.9	101.4
1926	102.0	101.4	101.7	99.4	103.1	101.7	101.8	102.0	108.1	102.7	104.2	102.2
1927	97.9	97.3	95.0	95.7	97.1	96.8	98.7	98.8	100.7	97.0	98.0	96.4
1928	91.6	93.4	90.9	92.7	95.3	96.2	92.9	95.4	94.6	93.1	95.2	98.1
1929	94.3	97.9	103.2	98.4	102.6	100.1	97.4	101.7	107.8	102.1	101.3	100.8
1930	81.5	86.0	95.1	89.0	88.4	87.8	78.6	85.6	96.3	85.0	77.6	80.1
1931	73.5	73.4	81.4	74.8	71.0	75.1	65.3	67.1	75.1	60.4	53.8	60.1
1932	60.6	59.2	68.1	64.5	56.5	63.0	45.6	46.6	54.6	40.7	34.3	40.3
1933	65.7	61.5	70.3	67.5	59.6	69.7	48.7	46.5	53.3	43.8	35.6	44.7
1930												
March	86.5	91.4	97.5	95.8	96.9	94.5	86.6	94.4	101.7	97.3	88.4	94.0
June	82.1	86.7	92.5	90.3	91.2	89.0	79.4	86.7	94.1	86.1	80.7	83.0
September	79.9	84.6	96.8	85.3	82.9	83.1	76.9	84.5	97.2	78.5	70.1	72.3
December	74.4	77.5	90.4	80.1	77.5	77.5	68.7	73.7	87.1	70.0	62.2	63.9
1931												
March	77.0	77.8	84.8	78.5	76.6	78.2	71.9	75.1	80.7	68.7	61.7	68.8
June	74.9	73.4	81.1	74.3	72.3	76.7	66.2	66.7	75.1	60.9	55.5	64.2
September	75.0	73.6	80.6	73.1	68.3	75.0	65.0	66.5	69.6	54.9	49.4	55.6
December	65.6	67.7	75.1	71.3	63.6	66.9	53.7	57.8	65.7	52.6	44.3	48.8
1932												
January	65.2	65.0	72.9	69.2	61.6	65.1	52.6	54.6	63.4	49.3	42.8	44.1
February	68.3	65.0	73.9	69.5	62.0	67.6	55.8	53.9	63.4	48.9	41.6	48.1
March	67.0	64.6	72.2	68.3	61.3	68.1	54.4	53.8	60.7	47.6	39.8	48.5
April	61.1	62.2	70.0	65.6	58.8	66.2	47.5	50.1	57.1	43.2	36.9	44.6
May	56.8	57.6	68.8	62.9	57.2	63.9	42.2	44.9	55.8	39.3	34.9	41.3
June	53.9	55.6	67.8	61.5	56.6	62.4	39.3	42.6	54.1	37.3	33.5	38.0
July	50.4	52.4	64.9	58.7	52.3	62.4	35.8	39.4	50.1	33.2	28.9	34.2
August	56.6	54.4	63.4	59.6	53.5	60.2	40.8	41.2	48.0	34.8	31.0	35.3
September	62.2	57.8	66.0	63.6	54.5	61.1	46.2	44.9	51.4	37.6	31.8	37.0
October	64.7	59.5	66.2	65.6	54.4	60.5	47.3	46.4	52.0	40.6	32.1	39.3
November	61.4	58.9	65.5	65.2	53.5	60.1	43.5	44.2	49.6	39.1	29.7	38.2
December	59.1	57.1	65.2	63.3	51.7	58.8	41.8	42.6	49.6	37.4	29.1	35.0
1933												
January	58.1	55.4	62.2	60.3	50.7	57.3	39.7	40.1	46.2	33.7	28.5	32.5
February	60.3	56.3	63.4	61.7	52.1	58.8	42.3	40.7	47.5	34.8	29.6	34.0
March	56.2	53.7	60.9	58.7	50.8	58.6	37.2	38.4	43.5	32.5	27.2	32.6
April	56.4	55.3	60.8	59.0	51.7	60.8	38.0	40.1	45.2	33.4	28.2	36.4
May	58.5	57.1	63.7	62.1	53.6	63.3	42.2	42.4	48.1	37.8	31.3	40.6
June	62.9	59.5	67.3	65.6	57.2	69.5	47.0	45.1	52.1	42.5	35.4	46.8
July	69.0	62.2	70.4	68.4	60.9	75.9	53.0	48.0	54.4	*45.7	37.9	49.2
August	73.2	65.7	74.9	73.2	67.9	77.5	57.3	51.0	57.5	53.2	42.6	53.3
September	75.1	69.6	79.5	76.3	69.7	79.7	59.4	55.0	60.0	53.6	43.0	53.8
October	76.5	69.6	80.5	76.6	68.9	80.0	59.4	54.1	61.6	55.3	43.0	55.3
November	72.9	67.4	80.5	75.3	66.2	78.3	55.7	51.8	62.0	52.4	40.3	52.3
December	69.1	66.2	79.8	72.5	65.4	76.5	52.8	51.3	61.2	50.6	40.5	50.1

[1] Compiled by the Massachusetts Department of Labor and Industries, based upon monthly returns from between 1,000 and 1,100 representative establishments, employing about 40 percent of the total factory employees in the State. The employment indexes are adjusted to the annual State census of manufactures each year when the census material becomes available. The State census schedules do not call for monthly pay roll.

[2] Compiled by the New York State Department of Labor from reports of approximately 1,500 firms prior to January 1930, 1,850 in 1930, and by the end of 1933, 1,700, representing about 38 percent of the total factory employment in the State.

[3] Compiled by the Federal Reserve Bank of Philadelphia: For New Jersey they are based upon monthly reports to the bank from 1923 to 1926 and since then to the New Jersey Bureau of Statistics and Records. Current indexes represent reports from about 766 manufacturers covering 56 industries which in 1929 employed about 255,000 wage earners and accounted for approximately 60 percent of the total factory employment and pay rolls; for Pennsylvania, they are based upon original reports collected by the bank in cooperation with the United States Bureau of Labor Statistics. Current indexes represent reports from about 1,750 manufacturers covering 68 industries which in 1929 employed approximately 573,000 wage earners, and accounted for about 61 percent of the total factory employment and pay rolls. The indexes for both States have been adjusted to the Federal Biennial Census of Manufactures data through 1929 and will be similarly adjusted for later years as soon as detailed data become available; they have been weighted according to the relative importance of each industry as revealed by the Federal Census of Manufactures.

[4] Compiled by the Illinois Department of Labor. The indexes are computed by the link relative method; an average of 1,079 establishments reported for the year 1933.

[5] Compiled by the Industrial Commission of Wisconsin, from reports of about 850 manufacturing establishments.

Sources: See footnotes.

No. 340.—WEEKLY EARNINGS OF FACTORY LABOR IN SPECIFIED STATES

[Index numbers for New Jersey, Pennsylvania, and Delaware, relative to monthly average of the years ... New York, Illinois, Wisconsin, and Massachusetts, monthly average of the years 1925–27. ... leral Reserve Bank of Philadelphia from reports of 56 manu- ... stries which in 1929 employed over 11,000 wage earners, and ... the total factory wage earners and pay rolls; for original sources ... etc., in each State, see notes 1 to 5, Table 339]

Year and month	Average amount per week			Index numbers					
	New York	Illinois	Wisconsin	Massachusetts	New York	New Jersey	Pennsylvania	Delaware	Illinois	Wisconsin
1923	$27.24	$27.07	$23.97	----	94.4	99.8	101.8	99.8	95.4	93.8
1924	27.68	27.55	24.40	----	95.9	99.5	98.6	100.8	97.1	95.4
1925	28.26	27.93	25.56	99.4	97.9	100.7	99.6	99.4	98.4	100.0
1926	29.02	28.67	25.67	99.8	100.5	105.9	102.5	101.8	101.0	100.4
1927	29.30	28.49	25.45	100.8	101.5	109.0	102.6	103.1	100.5	99.6
1928	29.44	28.43	26.04	101.4	102.0	109.8	103.1	102.6	100.2	101.9
1929	29.99	28.66	25.90	103.3	103.9	113.0	106.9	106.7	101.0	100.6
1930	28.81	27.16	23.33	96.4	99.5	111.3	98.1	103.2	95.7	90.3
1931	26.42	23.59	20.02	88.3	91.2	101.7	81.1	93.9	83.2	78.4
1932	22.74	18.67	15.30	75.0	78.5	88.4	63.0	75.9	65.8	60.2
1933	21.84	18.20	15.31	73.1	75.4	83.5	65.6	72.6	64.1	60.1
1932										
March	24.13	20.08	17.47	81.2	83.3	92.7	69.4	82.9	70.8	68.7
June	22.19	18.33	14.64	72.9	76.6	88.2	60.2	74.7	64.6	57.6
September	22.50	17.94	14.10	74.2	77.7	86.1	59.9	72.9	63.2	55.6
December	21.63	17.16	14.13	70.8	74.7	84.1	59.1	73.7	60.5	55.7
1933										
March	20.73	16.29	13.24	66.2	71.6	78.9	55.7	68.3	57.4	52.1
June	21.95	18.99	15.84	74.7	75.8	85.4	66.9	74.7	66.9	62.2
September	22.87	18.91	16.51	79.0	79.0	83.3	72.2	72.4	66.6	64.8
December	22.43	18.93	16.16	71.2	77.4	84.7	71.5	75.1	66.7	63.3

Sources: See headnote.

No. 341.—AVERAGE WEEKLY AND HOURLY EARNINGS: ALL WAGE EARNERS AND CLASSIFIED GROUPS OF LABOR, 25 MANUFACTURING INDUSTRIES

NOTE.—Index numbers based on 1923 as 100. Data cover an average of 1,600 plants during 1933. The earnings are computed by weighting the average earnings in each industry according to the relative importance of the industry as revealed by the Federal Biennial Census of Manufactures for 1923. In addition, each labor group is ... the relative proportion of the group in each industry as revealed in the Conference ... the 3-year period 1927–29. The pay-roll data are ... full week ... generally recognized holiday falls in that week, upon

Year	All wage earners		Male, unskilled		Male, skilled and semiskilled		Female	
	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number
WEEKLY EARNINGS								
1923	$26.61	100.0	$22.28	100.0	$30.80	100.0	$17.24	100.0
1924	26.43	99.3	22.42	100.7	30.55	99.2	16.76	97.2
1925	27.09	101.8	23.03	103.4	31.28	101.5	17.21	99.9
1926	27.40	103.0	23.18	104.0	31.60	102.6	17.29	100.3
1927	27.49	103.3	23.52	105.6	31.58	102.5	17.42	101.0
1928	27.80	104.5	23.87	107.1	31.94	103.7	17.18	99.8
1929	28.54	107.3	24.37	109.4	32.63	105.9	17.62	102.2
1930	25.90	97.4	21.94	98.5	29.18	94.7	15.99	92.7
1931	22.60	84.9	19.19	86.1	25.00	81.1	14.71	85.3
1932	17.10	64.3	14.54	65.2	19.52	63.4	11.72	68.0
1933	17.71	66.6	14.91	66.9	20.26	65.8	12.36	71.7
HOURLY EARNINGS								
1923	.541	100.0	.443	100.0	.619	100.0	.383	100.0
1924	.562	103.9	.459	103.6	.644	104.0	.393	102.7
1925	.561	103.8	.458	103.4	.643	103.9	.390	101.8
1926	.568	104.9	.460	103.9	.651	105.2	.397	103.6
1927	.576	106.4	.471	106.4	.657	106.2	.399	104.2
1928	.578	106.9	.473	106.9	.658	106.4	.395	103.2
1929	.589	108.9	.485	109.6	.667	107.8	.398	103.9
1930	.589	108.9	.478	107.8	.662	107.0	.395	103.1
1931	.564	104.3	.461	104.0	.634	102.5	.371	96.7
1932	.497	91.9	.401	90.5	.560	90.5	.325	84.9
1933	.491	90.7	.401	90.5	.550	88.9	.340	88.7

Source: National Industrial Conference Board (Inc.).

No. 342.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN NONMANUFACTURING INDUSTRIES AND BUSINESS

[Monthly average 1929=100]

Year and month	Anthracite mining		Bituminous coal mining		Metalliferous mining		Quarrying and nonmetallic mining		Crude petroleum producing		Telephone and telegraph		Power and light	
	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls
1930	93.4	95.3	93.4	81.3	83.2	78.0	84.3	79.3	87.4	85.9	97.9	102.9	103.0	104.3
1931	80.5	75.4	83.2	57.5	59.1	44.8	67.4	53.4	65.7	61.7	86.6	93.7	95.6	96.7
1932	62.5	53.7	67.4	35.6	36.5	21.6	49.0	29.1	55.3	44.1	79.1	81.1	83.0	79.8
1933	51.7	45.8	67.9	37.8	34.6	20.6	44.9	24.7	62.2	44.1	70.4	68.2	78.8	72.6
1932														
January	76.2	61.5	80.8	47.0	49.3	29.7	48.9	30.2	54.9	46.5	83.0	89.1	89.3	88.4
February	71.2	57.3	77.4	47.0	46.9	27.8	47.4	29.6	54.4	46.9	82.0	89.6	87.2	86.0
March	73.7	61.2	75.2	46.8	45.0	26.5	46.0	28.7	51.4	43.2	81.7	88.2	85.5	85.4
April	70.1	72.0	65.5	33.9	43.3	25.0	48.6	30.0	54.9	44.5	81.2	83.4	84.8	82.4
May	66.9	58.0	62.6	30.7	38.3	23.8	50.6	32.3	54.5	47.1	80.6	82.8	84.0	84.2
June	53.0	37.4	60.5	27.3	32.2	20.1	49.5	30.0	54.2	44.8	79.9	82.1	83.2	80.5
July	44.5	34.5	58.6	24.4	29.5	16.9	49.5	29.1	55.4	44.6	79.1	79.6	82.3	78.7
August	49.2	41.4	59.4	26.4	28.6	16.5	51.1	29.7	57.4	42.9	78.1	79.1	81.5	76.7
September	55.8	47.0	62.4	30.2	29.3	17.0	52.4	30.5	56.2	41.9	77.4	75.9	81.0	74.7
October	63.9	66.7	67.0	37.8	30.5	18.0	52.4	30.1	56.8	42.5	76.2	75.7	79.9	74.4
November	62.7	51.0	69.4	38.0	31.9	18.7	49.4	27.1	56.5	42.4	75.5	74.3	79.1	73.2
December	62.3	56.2	70.0	37.7	33.3	18.7	42.3	22.1	57.2	41.7	74.8	73.5	78.4	73.2
1933														
January	52.5	43.2	69.8	36.1	32.4	18.1	35.1	18.1	57.2	39.9	74.6	71.7	77.7	73.0
February	58.7	56.8	69.3	37.2	31.5	17.8	34.8	17.4	57.0	41.7	73.9	71.9	77.4	71.6
March	54.6	48.8	67.6	30.7	30.0	17.4	35.1	17.8	56.5	42.5	73.2	71.6	76.9	71.9
April	51.6	37.4	63.7	26.6	29.4	16.4	39.3	20.2	56.8	40.1	72.3	67.8	76.9	69.4
May	43.2	30.0	61.2	26.9	30.0	17.0	43.4	23.8	56.9	41.6	70.1	68.5	76.9	69.9
June	39.5	34.3	61.3	29.2	31.5	18.3	47.3	27.5	58.0	40.6	69.2	66.6	77.3	69.9
July	43.8	38.2	63.2	33.6	33.0	19.0	49.5	28.4	59.5	42.2	68.5	66.7	77.5	70.0
August	47.7	46.6	68.6	43.3	36.8	21.9	51.6	29.9	60.8	42.5	68.1	66.1	78.1	70.9
September	56.8	60.7	71.8	44.1	38.9	23.9	52.6	29.3	66.2	44.4	68.3	64.6	80.3	71.8
October	56.9	61.6	68.0	44.1	40.7	25.9	53.2	31.2	70.6	50.1	68.7	67.0	82.2	76.2
November	61.0	47.8	74.8	50.7	40.6	25.6	51.1	28.3	72.2	50.3	68.9	67.7	82.6	74.5
December	54.5	44.3	75.4	50.8	40.6	26.2	45.3	24.4	75.0	53.2	69.4	67.7	81.8	74.4

Year and month	Electric railroad and motor-bus operation and maintenance [1]		Wholesale trade		Retail trade		Hotels		Laundries [2]		Dyeing and cleaning [2]		Banks, brokerage, insurance, and real estate	
	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls	Employment	Pay rolls
1930	93.4	93.5	96.0	95.9	95.9	96.2	99.2	98.5	(3)	(3)	(3)	(3)	(3)	(3)
1931	84.7	83.4	86.6	83.6	89.4	86.6	91.7	85.4	93.1	88.3	85.6	76.1	(3)	(3)
1932	75.5	68.0	78.2	67.0	80.9	69.4	79.0	64.5	83.5	70.1	75.2	57.3	98.3	89.7
1933	70.0	58.9	77.9	60.4	81.7	64.3	74.9	54.4	78.8	59.5	74.3	49.5	97.8	84.6
1932														
January	79.5	75.4	81.8	74.1	84.3	78.0	83.2	73.9	88.2	80.0	75.8	62.4	98.3	93.3
February	78.9	74.8	80.9	72.5	80.5	73.7	84.3	73.9	86.3	76.7	74.4	59.0	98.3	93.0
March	77.6	73.6	79.8	71.3	81.4	73.4	84.0	72.4	85.4	75.0	74.4	58.5	98.9	92.9
April	78.0	71.8	78.9	68.9	81.6	72.7	82.7	69.6	85.4	74.7	76.9	62.5	98.6	92.1
May	76.9	72.2	77.9	69.7	80.9	71.1	80.1	67.0	84.8	73.9	78.0	63.8	98.0	92.7
June	76.5	70.2	77.0	66.2	79.4	68.2	78.0	63.8	84.4	71.8	78.6	62.4	97.9	90.0
July	75.6	66.4	76.6	64.7	74.6	63.3	78.4	61.8	83.6	69.4	76.1	56.9	98.4	89.8
August	74.1	63.8	76.4	63.2	72.6	60.7	77.6	59.6	82.2	66.9	73.4	53.4	98.5	88.2
September	73.5	62.5	77.1	63.1	77.8	64.6	77.0	59.1	81.9	65.8	76.9	57.9	98.4	87.1
October	72.3	61.5	77.8	63.9	81.3	67.1	75.4	58.6	80.7	64.1	76.0	55.8	98.6	86.3
November	71.8	61.7	77.6	63.3	81.7	66.9	74.3	57.5	79.4	61.9	72.0	49.6	98.0	85.7
December	71.4	61.9	77.0	62.6	95.2	73.6	73.2	56.6	79.1	61.4	69.5	45.9	98.0	85.5
1933														
January	70.6	60.9	75.3	61.7	76.9	62.7	73.8	55.7	78.6	60.7	67.4	44.2	97.5	85.2
February	70.4	60.6	74.1	58.6	73.4	58.4	73.8	55.9	77.5	58.1	65.6	40.2	96.8	84.3
March	69.8	59.4	73.1	57.1	71.4	55.1	72.4	53.5	76.1	55.4	65.8	38.9	96.5	83.7
April	69.5	58.1	73.3	56.0	78.6	60.4	71.9	51.7	76.5	56.6	74.9	51.7	96.2	82.9
May	69.1	58.2	74.0	57.4	77.0	59.5	71.9	51.8	76.6	57.1	75.7	51.0	96.2	83.2
June	69.3	58.0	75.7	57.3	78.3	60.5	73.6	52.3	79.2	59.4	79.1	53.7	97.3	84.4
July	69.4	57.4	76.9	59.1	74.6	58.1	75.6	53.3	79.5	58.7	76.6	50.0	97.7	84.8
August	69.5	58.2	79.7	60.8	78.1	62.7	77.1	54.0	81.1	60.3	76.8	50.0	98.3	84.4
September	69.7	57.8	82.1	62.3	86.0	69.2	78.7	55.6	82.6	63.5	81.9	57.1	99.0	84.5
October	70.6	59.8	83.5	66.0	89.6	72.3	77.0	56.2	81.3	62.5	81.6	57.4	99.4	84.7
November	71.0	59.4	83.4	64.1	91.6	72.6	75.8	55.2	78.4	60.7	76.1	52.5	99.6	85.1
December	70.8	59.6	83.3	64.5	105.4	80.3	77.6	57.6	78.4	61.1	70.5	47.3	99.3	87.4

[1] Not including electric-railroad-car building and repairing; see under manufacturing industries, p. 307.
[2] Revised to conform with data on employment and pay rolls through 1931 published by Bureau of the Census.
[3] Data are not available.

Source: Bureau of Labor Statistics, Department of Labor.

No. 343.—INDEX NUMBERS OF UNION WAGE RATES AND HOURS OF LABOR

NOTE.—Index numbers subsequent to 1924 cover only the occupations listed in Table 345; for previous years they included also the metal and millwork trades. See also headnote, Table 344

[Rates and hours for 1913=100.]

Year	Rates of wages per hour	Hours per full-time week	Rates of wages per full-time week	Year	Rates of wages per hour	Hours per full-time week	Rates of wages per full-time week
1907	89.7	102.6	91.5	1921	205.3	93.9	193.3
1908	91.0	102.1	92.5	1922	193.1	94.4	183.0
1909	91.9	101.9	93.3	1923	210.6	94.3	198.6
1910	94.4	101.1	95.2	1924	228.1	93.9	214.3
1911	96.0	100.7	96.5	1925	237.9	93.0	222.3
1912	97.6	100.3	97.7	1926	250.3	92.8	233.4
1913	100.0	100.0	100.0	1927	259.5	92.4	240.8
1914	101.9	99.6	101.6	1928	260.6	91.9	240.6
1915	102.8	99.4	102.3	1929	262.1	91.5	240.7
1916	107.2	98.8	106.2	1930	272.1	89.8	243.8
1917	114.1	98.4	112.4	1931	273.0	89.2	242.9
1918	132.7	97.0	129.6	1932	241.8	87.7	212.2
1919	154.5	94.7	147.8	1933	231.2	88.0	203.0
1920	199.0	93.8	188.5				

Source: Bureau of Labor Statistics, Department of Labor.

No. 344.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS

NOTE.—Data 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 for work or other causes nor of overtime work. The relative wages are percentages which show changes 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 345

[Rates and hours for 1913=100]

Year	Bakers		Building trades									
			Bricklayers, building		Building laborers		Carpenters, general		Carpenters: Parquetry-floor layers		Cement finishers	
	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	100.6	96.7	100.0	94.5	100.7	95.1	------	------	102.1	94.2
1921	90.3	278.7	98.7	172.7	94.7	227.7	98.4	197.8	94.1	219.6	95.0	188.4
1923	90.2	276.0	98.6	191.1	94.7	218.1	98.8	204.0	93.6	222.0	95.0	191.2
1925	89.7	293.4	98.5	213.4	94.5	231.6	98.8	222.8	93.4	215.7	94.7	212.6
1926	90.5	277.2	98.5	226.4	94.7	254.9	98.8	238.4	94.1	253.1	94.7	226.9
1927	90.2	286.8	98.1	231.9	94.9	255.8	98.8	246.7	93.9	250.2	94.4	236.8
1928	89.6	285.9	98.0	233.9	94.8	257.0	98.2	247.5	93.3	236.1	93.8	234.6
1929	89.4	293.4	95.5	239.6	94.7	258.2	98.2	252.0	93.6	241.9	93.9	234.6
1930	89.4	289.2	93.3	245.1	92.8	275.3	95.1	261.6	87.7	259.5	90.3	256.4
1931	89.8	279.9	91.7	245.9	91.3	267.5	93.5	263.5	86.5	262.8	90.0	253.3
1932	90.2	285.0	88.6	211.9	89.0	228.3	91.1	219.4	87.1	208.3	88.4	213.8
1933	89.9	239.5	89.8	207.5	87.6	228.0	90.5	208.1	84.9	176.6	89.6	210.9

Year	Building trades—Continued											
	Engineers, portable and hoisting		Hod carriers		Inside wiremen		Lathers		Marble setters		Painters, building	
1910	------	------	101.2	97.2	100.8	95.9	------	------	100.5	92.5	101.3	92.6
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
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	257.2	96.7	251.0	99.1	218.0	92.0	270.8
1929	96.9	232.5	92.7	293.0	93.4	268.2	96.2	249.0	99.1	233.4	91.8	270.2
1930	93.5	259.0	92.9	302.3	91.2	271.1	90.9	259.4	93.8	234.5	90.5	289.5
1931	92.3	261.4	92.1	297.3	90.3	275.1	90.2	262.6	92.2	235.5	89.7	292.4
1932	89.6	245.7	89.8	241.3	87.6	262.5	89.8	232.4	91.2	214.6	89.3	242.3
1933	89.7	214.8	89.8	206.1	87.8	241.1	89.5	219.6	91.1	209.5	89.0	245.3

No. 344.—Index Numbers of Union Hours of Labor per Week and Rates 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 and sprinkler 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
1921	97.5	180.5	98.3	219.1	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
1925	97.9	219.8	98.1	243.1	97.7	206.6	97.1	229.3	97.0	212.2	98.9	229.5
1926	95.1	236.1	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
1929	93.0	238.6	95.0	265.0	96.7	233.8	96.4	256.9	96.3	241.0	95.9	266.5
1930	91.2	250.3	91.9	282.3	92.0	240.0	92.7	268.5	92.0	252.2	92.9	266.4
1931	90.6	253.0	92.0	274.3	90.9	244.2	91.2	273.2	91.2	254.5	91.1	269.0
1932	89.0	210.6	91.5	221.3	89.7	210.0	89.0	234.0	88.6	214.2	90.4	237.4
1933	90.1	201.3	90.1	203.7	90.3	209.7	88.7	227.5	88.1	211.3	90.1	224.3
	Building trades—Contd.											
	Structural-iron workers		Tile layers		Chauffeurs		Teamsters and drivers		Longshoremen		Granite cutters	
1910	101.7	92.7									101.8	93.7
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
1925	98.8	204.5	98.4	202.3	87.7	223.5	88.2	254.3	77.5	239.9	100.2	216.8
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
1929	98.2	236.0	97.8	224.2	82.7	244.2	87.5	279.8	75.7	250.1	99.9	249.8
1930	95.4	248.1	92.8	234.9	82.2	249.4	87.8	292.0	75.6	253.5	95.2	262.3
1931	94.1	251.6	91.5	237.2	81.8	253.9	89.9	287.8	76.0	251.5	94.2	262.5
1932	91.5	215.4	89.5	206.1	82.0	244.9	84.8	299.2	75.7	251.5	94.4	234.1
1933	91.2	212.8	90.2	204.5	81.6	228.7	85.7	249.3	75.5	242.5	92.6	228.5
	Printing and publishing: Book and job											
	Bookbinders		Compositors, hand		Electrotypers		Machine operators, timework		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
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
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	92.3	232.7
1929	93.0	247.5	91.7	251.5	96.3	263.2	92.0	228.0	92.1	289.7	92.3	236.8
1930	93.5	250.7	91.7	259.3	95.2	269.9	92.0	238.0	92.1	294.8	92.3	240.1
1931	93.3	252.7	91.7	260.2	94.5	274.5	91.9	228.8	92.1	299.9	92.4	239.1
1932	92.9	244.0	91.4	259.3	94.6	272.8	91.9	2e0.1	81.1	290.4	84.4	236.2
1933	92.4	239.1	88.6	237.2	89.7	253.9	87.8	218.3	84.8	271.3	84.9	224.1
	Printing and publishing: Book and job—Con.		Printing and publishing: Newspaper									
	Pressmen, platen		Compositors, hand, daywork		Machine operators, daywork, (timework)		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
1921	94.7	231.7	99.5	174.9	99.2	175.5	99.8	178.5	100.6	184.1	98.1	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
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	188.1
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	206.6	98.2	213.8	100.0	198.4	99.9	224.9	99.5	191.0
1929	92.6	257.8	98.4	211.3	98.3	217.4	99.6	201.7	99.8	228.1	98.5	200.1
1930	92.6	259.9	98.4	212.5	98.2	216.7	99.2	205.1	99.9	229.3	98.5	201.8
1931	92.5	260.2	98.4	212.5	98.3	220.0	99.3	204.7	99.9	231.2	98.6	201.6
1932	90.4	250.1	95.5	204.5	96.0	214.2	92.7	209.7	97.8	235.0	98.0	203.9
1933	87.5	241.3	93.9	195.7	95.0	197.1	94.9	186.0	99.1	215.3	96.9	190.4

Source: Bureau of Labor Statistics, Department of Labor.

No. 345.—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 344

Occupation	1931	1932	1933
Grand average, all trades herein covered [1]	*Dolls.* 1.254	*Dolls.* 1.111	*Dolls.* 1.082
Bakers	.934	.951	.799
BUILDING TRADES			
Asbestos workers	1.471	1.237	1.222
Bricklayers:			
Building	1.700	1.465	1.435
Sewer, tunnel, and caisson	2.039	1.522	1.604
Building labor group:			
Building laborers	.893	.762	.761
Hod carriers	1.088	.883	.754
Plasterers' laborers	1.128	.910	.838
Plumbers' laborers	1.051	.883	.908
Carpenters:			
General	1.400	1.166	1.106
Millwrights	1.349	1.108	1.047
Parquetry-floor layers	1.494	1.184	1.004
Ship	1.372	1.109	1.021
Wharf and bridge	1.383	1.153	1.228
Cement finishers	1.475	1.245	1.228
Composition roofers	1.432	1.182	1.207
Composition roofers' helpers	.782	.730	.682
Elevator constructors	1.524	1.409	1.295
Elevator constructors' helpers	1.098	1.004	.936
Engineers, portable and hoisting	1.608	1.511	1.321
Glaziers	1.428	1.211	1.222
Inside wiremen	1.506	1.437	1.320
Insidewiremen, fixture hangers	1.335	1.276	1.002
Lathers	1.565	1.385	1.309
Marble setters	1.572	1.432	1.398
Marble setters' helpers	1.026	.931	.938
Mosaic and terrazzo workers	1.466	1.356	1.238
Painters:			
Building	1.482	1.228	1.243
Fresco	1.456	1.051	1.070
Sign	1.573	1.393	1.338
Plasterers	1.709	1.423	1.360
Plumbers and gas fitters	1.514	1.302	1.300
Sheet-metal workers	1.441	1.234	1.200
Slate and tile roofers	1.576	1.401	1.375
Steam and sprinkler fitters	1.525	1.283	1.266
Steam and sprinkler fitters' helpers	1.084	.953	.926
Stonemasons	1.642	1.449	1.369
Structural-iron:			
Workers	1.564	1.339	1.323
Finishers	1.598	1.332	1.346
Tile layers	1.554	1.350	1.340
Tile layers' helpers	1.047	.923	.831
Average, building trades	1.428	1.216	1.201

Occupation	1931	1932	1933
PRINTING AND PUBLISHING: BOOK AND JOB			
	Dolls.	*Dolls.*	*Dolls.*
Bindery women	0.541	0.515	0.509
Bookbinders	1.023	.988	.968
Compositors, hand	1.166	1.162	1.063
Electrotypers	1.315	1.307	1.216
Machine operators, timework	1.192	1.251	1.137
Machine tenders (machinists)	1.218	1.279	1.191
Photo-engravers	1.329	1.371	1.321
Press assistants and feeders	.880	.852	.796
Pressmen:			
Cylinder	1.161	1.147	1.088
Platen	.948	.911	.879
Average, printing and publishing, book and job	1.068	1.084	1.006
PRINTING AND PUBLISHING: NEWSPAPER			
Compositors, hand:			
Daywork	1.210	1.164	1.114
Nightwork	1.311	1.283	1.222
Machine operators, daywork:			
Piecework	[2] 1.147	[2] 1.149	[2] 1.129
Timework	1.239	1.206	1.110
Machine operators, nightwork:			
Piecework	[2] 1.167	[2] 1.167	[2] 1.158
Timework	1.339	1.335	1.219
Machine tenders (machinists)			
Daywork	1.204	1.233	1.094
Nightwork	1.332	1.380	1.211
Photo-engravers:			
Daywork	1.354	1.347	1.263
Nightwork	1.653	1.652	1.478
Pressmen, web presses:			
Daywork	1.104	1.122	1.028
Nightwork	1.292	1.306	1.240
Stereotypers:			
Daywork	1.063	1.075	1.004
Nightwork	1.241	1.227	1.160
Average, printing and publishing, newspaper	1.247	1.231	1.149
CHAUFFEURS AND TEAMSTERS AND DRIVERS			
Chauffeurs	.737	.711	.664
Teamsters and drivers	.755	.785	.654
Average, chauffeurs, etc	.740	.722	.663
GRANITE AND STONE TRADES			
Granite cutters	1.344	1.199	1.170
Stonecutters	1.524	1.380	1.294
Average, granite and stone trades	1.437	1.293	1.234
MISCELLANEOUS TRADES			
Laundry workers	.481	.487	.435
Linemen	1.135	1.091	1.034
Longshoremen	.868	.868	.837

[1] Except piecework.

[2] Rate per 1,000 ems.

Source: Bureau of Labor Statistics, Department of Labor.

16.—POSTAL SERVICE

[Postal statistics, unless otherwise noted, include data for outlying territories and possessions except Philippine Islands and Canal Zone]

No. 346.—UNITED STATES POSTAL SERVICE, 1800 TO 1933

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	1,161	−49					
1830	8,450	115,176	1,851	1,933	−82					
1840	13,468	155,739	4,544	4,718	−175	0.27				
1850	18,417	178,672	5,500	5,213	+287	.20			[5] 2	
1860	28,498	240,594	8,518	19,171	−10,653	.27			216	
1865	20,550	142,340	14,556	13,695	+917	.42	[6] 1,360		387	
1870	28,492	231,232	18,880	23,999	−5,098	.49	34,054	[7] 22	468	
1875	35,547	277,873	26,791	33,611	−6,820	.61	77,431	1,965	682	
1880	42,989	343,888	33,315	36,543	−3,222	.66	100,353	3,464	876	
1885	51,252	365,251	42,561	50,046	−7,481	.76	117,859	6,840	1,465	
1890	62,401	427,990	60,882	66,280	−5,401	.97	114,363	13,230	2,220	4,005
1895	70,064	456,026	76,983	87,180	−10,230	1.12	156,709	12,906	2,795	5,134
1896	70,360	463,313	82,499	90,933	−8,444	1.17	172,101	13,853	3,025	5,604
1897	71,022	470,032	82,665	94,077	−11,432	1.15	174,483	13,588	3,064	5,781
1898	73,570	480,461	89,013	98,034	−9,055	1.22	191,354	13,240	3,418	6,214
1899	75,000	496,948	95,021	101,632	−6,630	1.28	211,214	13,745	3,693	6,576
1900	76,688	500,989	102,355	107,740	−5,410	1.34	238,921	16,749	3,999	7,130
1901	76,945	511,808	111,631	115,555	−3,982	1.43	274,546	20,073	4,239	7,424
1902	75,924	507,540	121,848	124,786	−2,961	1.53	313,551	22,974	4,621	8,085
1903	74,169	506,268	134,224	138,784	−4,587	1.66	353,628	35,238	5,271	8,887
1904	71,131	496,818	143,583	152,362	−8,813	1.74	378,778	42,550	5,331	9,502
1905	68,131	486,805	152,827	167,399	−14,594	1.81	396,903	47,516	5,751	10,188
1906	65,600	478,711	167,933	178,450	−10,543	1.96	444,516	63,048	6,284	11,361
1907	62,658	463,406	183,585	190,238	−6,692	2.11	479,650	84,081	7,061	12,250
1908	60,704	450,738	191,479	208,352	−16,910	2.15	498,700	88,972	7,651	13,364
1909	60,144	448,618	203,562	221,004	−17,480	2.24	491,075	76,755	8,732	14,005
1910	59,580	447,998	224,129	229,977	−5,881	2.43	547,994	99,743	9,067	14,850
1911	59,237	435,488	237,880	237,649	+219	2.53	578,111	109,605	10,046	16,901
1912	58,729	436,469	246,744	248,525	−1,786	2.58	583,337	97,660	9,929	17,589
1913	58,020	436,293	266,620	262,068	+4,511	2.74	624,489	102,668	10,813	18,567
1914	56,810	435,597	287,935	283,544	+4,376	2.91	667,231	101,963	11,112	
1915	56,380	433,334	287,248	298,546	−11,333	2.85	656,139	60,772	11,226	
1916	55,935	425,950	312,058	306,204	+5,829	3.05	719,365	46,357	11,672	
1917	55,414	454,835	329,726	319,839	+9,836	3.18	813,319	41,645	12,452	
1918 [8]	54,347	465,371	388,976	324,834	+64,127	3.70	904,650	35,865	13,066	
1919 [8]	53,084	455,498	436,239	362,498	+73,735	4.11	1,109,613	39,766	15,020	
1920	52,641	435,342	437,150	454,323	−17,270	4.10	1,332,700	32,960	13,213	
1921	52,168	434,349	463,491	620,994	−157,518	4.28	1,305,370	24,399	13,870	
1922	51,950	454,901	484,854	545,644	−60,815	4.41	1,205,327	20,651	14,262	
1923	51,613	460,171	532,828	556,851	−24,065	4.78	1,376,461	34,119	15,478	23,055
1924	51,266	467,896	572,949	587,377	−14,464	5.08	1,510,705	50,615	15,954	24,358
1925	50,957	464,269	599,591	639,282	−39,745	5.28	1,532,567	52,650	17,387	25,835
1926	50,601	470,779	659,820	679,704	−19,972	5.63	1,590,486	63,172	16,333	25,484
1927	50,266	478,662	683,122	714,577	−31,506	5.76	1,647,580	68,952	16,000	20,687
1928	49,944	487,778	693,634	725,700	−32,121	5.78	1,630,157	71,520	16,676	26,837
1929	49,482	500,518	696,948	782,344	−85,461	5.73	1,658,443	76,113	16,917	27,952
1930	49,063	518,617	705,484	803,667	−98,216	5.75	1,714,576	72,708	16,269	27,888
1931	48,733	546,797	656,463	802,485	−146,066	5.29	1,559,549	62,228	15,559	26,544
1932	48,159	558,526	588,172	793,684	−205,551	4.71	1,536,889	48,849	14,651	24,307
1933	47,641	555,578	587,631	699,887	−112,375	4.67	1,647,421	35,116	11,917	19,658

[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 [illegible] ingencies.

[illegible] untries on domestic basis. For explanation see headnote Table 348.

[illegible] States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.

[3] Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.

[4] From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.

[5] From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.

[6] 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. 347.—REVENUES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

[All figures in thousands of dollars]

Item	1910	1915	1920	1925	1930	1931	1932	1933
Total	224,129	287,248	437,150	599,591	705,484	656,463	588,172	587,631
Ordinary postal revenue	219,339	279,460	424,406	585,333	686,426	637,834	568,344	564,325
Stamps, postal cards, etc.[1]	202,065	256,037	379,587	507,572	574,851	524,524	459,945	456,407
Second-class postage paid in money (pound rates)[1]	8,174	10,468	25,100	29,619	28,584	25,371	21,189	18,154
Other postage paid in money under permit	4,418	7,527	12,960	39,301	73,545	78,622	77,736	81,485
Box rents	4,139	4,981	6,145	7,817	8,539	8,326	7,832	6,860
Miscellaneous	542	448	614	1,024	907	990	1,641	1,419
Money-order revenues	4,790	7,175	10,314	12,909	17,496	16,333	15,762	16,616
Revenue from postal savings		612	2,430	1,349	1,562	2,297	4,066	6,690

[1] For volume of this item, see Table 352.

No. 348.—POSTAL MONEY-ORDER BUSINESS: YEARS ENDED JUNE 30

NOTE.—For revenues from money orders, see Table 347. For value of orders issued for other years, see Table 346. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and [illegible] States. International-basis orders are exchanged between the U[illegible] on the one hand, and other than "domestic basis" foreign cou[illegible] ever, "International" includes money orders exchanged bet[illegible] basis" foreign countries, and these are not included in "Domestic"

Item	1910	1915	1920	1925	1930	1931	1932	1933
Number of money-order offices	51,791	55,670	54,395	54,269	54,161	55,404	55,081	56,106
DOMESTIC[1]								
Orders issued:								
Number (1,000)	76,918	105,073	148,491	197,054	202,273	189,874	178,633	170,932
Amount (1,000 dollars)	547,994	656,139	1,332,700	1,532,567	1,714,576	1,559,549	1,536,889	1,647,421
Orders paid:								
Number (1,000)	76,496	103,884	147,520	196,038	201,453	190,255	179,299	171,552
Amount (1,000 dollars)	545,632	652,786	1,333,046	1,531,597	1,713,681	1,560,972	1,538,095	1,642,617
[illegible]								
Number (1,000)	422	1,190	971	1,015	820	−381	−666	−620
Amount (1,000 dollars)	2,362	1,353	−346	970	895	−1,423	−1,206	−4,804
INTERNATIONAL[3 4]								
Orders issued:								
Number (1,000)	4,500	3,055	1,852	2,966	3,978	3,705	3,164	2,640
Amount (1,000 dollars)	99,743	60,772	32,960	52,650	72,708	62,228	48,849	35,116
Orders paid:								
Number (1,000)	1,956	2,217	1,508	1,765	2,161	2,076	1,237	949
Amount (1,000 dollars)	27,244	24,743	25,362	19,765	25,825	24,223	14,577	11,012
Excess of issues:								
Number (1,000)	2,544	837	343	1,201	1,817	1,629	1,927	1,691
Amount (1,000 dollars)	72,499	36,029	7,598	32,886	46,883	38,005	34,272	24,104
FOREIGN "DOMESTIC BASIS"[5]								
Paid in foreign countries:								
Number (1,000)	667	655	601	938	1,034	1,004	752	548
Amount (1,000 dollars)	10,184	9,110	9,568	16,920	20,921	18,708	12,224	7,541
Paid in the United States:								
Number (1,000)	1,566	1,936	1,246	1,498	1,751	1,675	934	678
Amount (1,000 dollars)	17,766	18,386	17,916	15,118	17,935	16,097	8,454	6,101

[illegible] issued Nov. 1, 1864, under act of Congress approved May 17, 1864.
[illegible] payments.
[illegible] "domestic basis."
[illegible] st issued Sept. 1, 1869, under Postal Convention of Oct. 12, 1867.
[illegible] al" above.

Source of Tables 347 and 348: Annual Reports of the Postmaster General.

No. 349.—EXPENDITURES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

NOTE.—**All figures in thousands of dollars.** For total expenditures see Table 346. Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

Item	1910	1915	1920	1925	1930	1931	1932	1933
Service in post offices (total)	107,771	139,937	234,102	338,046	429,571	426,199	418,926	357,940
Salaries of postmasters	27,514	30,400	40,108	47,562	52,850	52,138	50,629	44,350
Salaries of clerks, etc	38,045	53,317	102,319	153,336	201,972	200,613	198,585	168,855
City delivery service	31,805	42,668	63,626	95,161	127,890	127,685	127,290	108,835
All other expenditures	10,405	13,552	28,049	41,987	46,860	45,763	42,422	35,900
Railway Mail Service	19,389	28,408	38,711	52,906	61,888	61,115	62,932	52,097
Rural Delivery Service	37,074	49,806	75,794	93,163	106,347	106,487	106,343	93,802
Transportation of domestic mail	61,940	76,914	99,520	142,141	176,984	173,309	168,181	156,386
By railroads	49,405	59,576	70,714	99,720	117,265	111,720	103,813	95,435
By other means	12,535	17,338	28,805	42,421	59,720	61,589	64,368	60,951
Transportation foreign mail	3,204	3,273	5,912	9,175	24,449	30,979	32,956	35,050
Payment account of invalid money orders	600	208	284	138	131	135	140	201
Post Office Department [1]				3,712	4,298	4,261	4,207	3,802

[1] Paid out of the General Treasury prior to 1923.

No. 350.—TRANSPORTATION OF DOMESTIC MAILS

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 weighings. 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 [illegible] rate of expenditure (regular authorizations) represents estimated cost for transporti[illegible] over regular routes only, based on contracts outstanding at the end of each fiscal y[illegible] 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	1930	1932	1933
Steam railway service:							
Length of routes (miles)	220,730	233,676	232,358	230,470	220,416	211,809	205,893
Annual travel (thousand miles)—							
Regular space units	[1]426,923	[1]499,011	561,827	579,256	564,801	491,852	455,677
Prorated to 60-foot car basis			218,349	226,395	228,478	209,727	198,513
Annual expenditure—							
Regular authorizations	49,302	58,149	83,731	88,991	103,970	94,776	88,956
Annual cost			89,661	107,491	125,243	113,428	104,691
Average rate of cost—							
Per mile of length (dollars)	223.36	248.84	360.35	386.12	471.70	447.46	432.05
Per unit mile traveled (cents)	[1]11.55	[1]11.65	14.90	15.36	18.41	19.27	19.52
Per 60-foot car mile (cents)			38.34	39.31	45.70	45.27	45.13
Railway mail service—							
Number of employees	16,795	19,599	20,407	20,693	21,185	21,517	20,154
Expenditure for salary	19,047	21,205	35,644	48,913	56,577	57,842	48,560
Electric railway service:							
Number of routes	539	569	543	288	224	191	168
Length of routes (miles)	7,198	8,183	8,043	8,042	7,012	5,984	5,379
Annual travel of space units (thousand miles)	[1]11,630	[1]13,948	[1]11,752	10,487	9,829	8,052	7,241
Annual rate of expenditure	674	819	471	566	571	474	416
Average cost per unit mile traveled (cents)	[1]5.79	[1]5.87	[1]4.01	5.39	5.81	5.89	5.74
Power boat service:							
Number of routes	217	260	266	284	265	255	239
Length of routes (miles)	27,256	32,402	34,642	49,791	40,130	42,546	38,210
Annual travel (thousand miles)	4,826	5,685	3,992	5,298	4,806	4,496	3,936
Annual rate of expenditure	705	990	[1]773	1,492	1,401	1,413	1,252
Average cost per mile traveled (cents)	14.61	17.42	19.36	28.16	29.15	31.43	31.80
Air mail service: [3]							
Length of routes (miles)		[4]218	3,094	2,665	14,907	26,745	27,079
Mileage scheduled (thousands)		[4]18	654	2,160	16,228	34,509	38,114
Miles traveled with mail (thousands)		[4]16	549	2,077	14,939	32,202	35,910
Mail carried [5] (thousand pounds)		[4]18	527	233	7,720	8,846	6,742
Cost of service		[4]14	1,264	2,744	14,618	19,938	19,406

[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] All air-mail service was Government-operated prior to 1926. In 1926 contract service was inaugurated. Government service was discontinued in 1927. All data represent total service.
[4] 1918 data.
[5] Beginning 1925, only specially paid air mail was carried.

Source of Tables 349 and 350: Annual Reports of the Postmaster General.

No. 351.—CITY AND RURAL FREE DELIVERY AND STAR-ROUTE SERVICE

NOTE.—Free city delivery was inaugurated in 1863; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Star route service in Alaska is not included in the accompanying table, data for 1933 being as follows: Number of routes, 73; length, 10,370 miles; annual travel, 232,148 miles; annual rate of expenditure, $132,261

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost [1] (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	1,231					7,295	5,050
1880	104	2,628	[1] 2,364					9,803	7,321
1890	454	9,066	[1] 7,978					15,887	5,321
1895	604	12,714	12,145					20,733	5,754
1900	796	15,322	14,671	1,259	28,685		420	22,834	5,088
1905	1,144	21,778	20,923	32,110	721,237		20,865	17,199	7,342
1910	1,492	28,715	31,738	41,079	993,068	303,007	36,915	13,425	6,928
1915	1,808	32,902	39,829	43,866	1,067,674	325,305	52,566	11,557	8,713
1916	1,864	34,114	40,520	42,927	1,083,070	326,435	51,952	11,391	8,466
1917	1,948	34,592	42,009	43,464	1,112,556	336,303	52,420	11,208	8,383
1918	1,992	34,593	42,790	43,453	1,127,110	344,100	52,196	10,958	8,606
1919	2,018	35,024	50,118	43,210	1,143,467	346,066	65,448	10,773	10,055
1920	2,086	36,142	62,841	43,445	1,151,832	348,627	75,562	10,739	11,106
1921	2,161	38,532	72,309	43,752	1,163,896	352,533	83,034	10,664	12,390
1922	2,229	39,485	75,226	44,186	1,180,448	357,254	84,430	10,715	12,641
1923	2,277	40,134	77,945	44,439	1,190,534	360,256	86,172	10,802	12,610
1924	2,325	43,829	82,904	44,760	1,205,714	363,670	86,765	10,802	12,735
1925	2,401	46,251	93,567	45,189	1,227,654	370,273	102,945	10,906	12,774
1926	2,522	48,238	105,370	45,315	1,249,978	377,046	104,117	10,991	12,955
1927	2,812	50,117	113,301	44,730	1,270,746	383,851	104,447	11,215	12,996
1928	2,899	51,293	117,490	44,288	1,289,613	390,054	105,008	11,472	13,541
1929	2,970	52,719	122,515	43,840	1,316,420	398,444	106,202	11,695	13,969
1930	3,050	53,762	126,426	43,278	1,334,842	404,738	106,378	11,788	14,281
1931	3,098	53,387	126,179	42,412	1,354,759	412,382	106,502	12,089	14,532
1932	3,111	52,767	125,700	41,602	1,358,030	412,084	105,824	12,443	14,765
1933	3,111	51,229	107,410	40,013	1,365,712	414,417	103,693	12,596	14,301

[1] Data represent audited expenditures; in 1880 and 1890 they include some incidental expense.

No. 352.—POSTAL SERVICE: VOLUME OF CERTAIN ITEMS OF BUSINESS, YEARS ENDED JUNE 30

NOTE.—For sales of postage stamps and other stamped paper and postage collected on second-class matter see Table 347

	1910	1915	1920	1925	1930	1932	1933
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	9,067	11,226	13,213	17,387	16,269	14,651	11,917
Stamped envelopes and wrappers issued (millions)	1,507	1,794	2,350	2,997	3,164	2,385	1,645
Postal cards issued (millions)	726	976	986	1,497	1,645	1,335	1,390
Pieces of mail carried [1] (millions)	14,850			25,835	27,888	24,307	19,868
Second-class matter carried:							
Free in county (1,000 pounds)	55,639	62,142	61,528	69,195	75,326	63,165	53,822
Paid at pound rates (1,000 pounds)	817,773	1,047,144	1,307,227	1,348,297	1,554,415	1,187,414	914,832
Foreign							
Letter	[2] 3,142	3,401	4,608	5,640	7,103	5,504	4,562
Other articles (1,000 pounds)	[2] 17,832	22,848	66,725	66,229	83,377	63,459	49,702
Mail registered:							
Domestic, paid (1,000 pieces)	33,682	27,688	56,951	70,512	76,489	57,082	43,740
International, paid (1,000 pieces)	4,782	4,325	11,300	10,993	7,869	5,421	4,237
Official, free (1,000 pieces)	3,589	5,297	8,663	8,414	8,680	8,986	9,220
Registry fees (1,000 dollars)	3,594	3,201	6,825	8,850	12,807	9,503	[3] 7,601
Mail insured							
Domestic, parcel post (1,000 pieces)		18,012	95,385	152,078	126,421	92,605	69,362
International (1,000 pieces)				603	649	470	357
Total fees paid (1,000 dollars)		941	5,416	8,061	8,775	6,193	5,062
Mail sent C. O. D.:							
Total pieces sent (1,000)		4,721	20,098	52,362	46,249	33,952	28,451
Total fees (1,000 dollars)		472	2,070	5,562	5,825	4,227	3,848

[1] See note 4, Table 346.
[2] Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries.
[3] Not including surcharges (effective July 1, 1932) amounting to $2,824,000.

Source of Tables 351 and 352: Annual Reports of the Postmaster General.

No. 353.—POSTAL SERVICE: By States and Outlying Areas

Division and State	Number of post offices, June 30, 1933	Mileage of rural free-delivery routes, June 30, 1933	Gross postal receipts [1]					
			1920	1925	1930	1931	1932	1933
			In thousands of dollars for years ended June 30					
Grand total	47,641	1,365,712	424,525	584,755	686,351	637,350	567,016	563,356
United States proper	47,252	1,365,657	423,463	583,427	684,610	635,670	565,274	561,548
New England	2,571	42,888	32,276	43,498	51,375	48,713	44,895	46,362
Maine	790	12,161	2,866	3,946	3,912	3,852	3,490	3,532
New Hampshire	371	6,237	1,504	2,035	2,286	2,186	2,066	2,144
Vermont	380	8,164	1,220	1,540	1,703	1,651	1,571	1,586
Massachusetts	629	8,054	18,913	25,064	29,627	27,822	25,543	26,527
Rhode Island	87	1,260	2,029	2,702	3,297	3,116	2,912	3,047
Connecticut	314	7,012	5,744	8,211	10,550	10,086	9,313	9,526
Middle Atlantic	5,579	114,304	117,897	161,532	194,927	180,932	163,614	163,728
New York	2,153	49,143	74,772	102,514	125,072	115,127	104,267	103,765
New Jersey	655	8,733	9,512	14,655	19,768	18,974	17,612	18,395
Pennsylvania	2,771	56,428	33,613	44,363	50,087	46,831	41,735	41,568
East North Central	6,216	304,143	107,343	151,924	175,748	158,948	138,394	131,549
Ohio	1,483	69,229	24,800	35,417	42,088	38,536	33,963	31,446
Indiana	1,005	59,379	9,226	13,774	15,613	14,316	12,775	12,491
Illinois	1,577	72,428	51,357	70,753	78,757	70,233	59,852	56,962
Michigan	1,131	53,068	13,199	18,978	24,133	21,661	19,061	18,196
Wisconsin	1,020	50,039	8,761	13,002	15,157	14,202	12,743	12,454
West North Central	7,164	331,016	53,971	73,365	80,641	75,214	65,407	63,938
Minnesota	1,175	53,925	10,847	15,836	17,614	16,332	14,481	14,254
Iowa	1,207	63,981	9,392	11,720	13,504	12,604	10,828	10,204
Missouri	1,683	61,001	18,624	27,230	28,988	26,590	22,781	22,408
North Dakota	664	29,444	2,062	2,360	2,721	2,595	2,330	2,351
South Dakota	621	25,096	2,066	2,539	2,750	2,632	2,233	2,214
Nebraska	803	37,313	5,504	6,663	7,279	7,006	6,206	6,049
Kansas	1,011	60,256	5,476	7,017	7,785	7,455	6,548	6,458
South Atlantic	8,240	190,386	34,415	46,072	52,293	49,630	44,818	46,471
Delaware	81	3,085	811	999	1,233	1,154	1,092	1,202
Maryland	643	11,488	5,292	7,101	8,519	7,865	7,159	7,400
District of Columbia	1	210	3,536	4,771	6,047	5,894	5,577	6,249
Virginia	2,063	29,713	5,621	7,236	7,985	7,540	7,058	7,276
West Virginia	1,785	11,455	3,154	4,395	4,611	4,321	3,864	3,878
North Carolina	1,337	41,165	4,138	5,814	6,830	6,540	6,005	6,252
South Carolina	565	25,958	2,289	2,530	2,174	1,972	1,736	1,763
Georgia	994	53,874	6,395	7,734	9,220	8,835	7,374	7,405
Florida	771	13,438	3,179	5,492	5,674	5,509	4,953	5,046
East South Central	5,380	142,792	15,546	20,576	23,736	21,453	18,825	18,842
Kentucky	2,606	26,116	4,392	6,283	6,827	6,286	5,689	5,720
Tennessee	939	44,507	5,289	7,107	8,546	7,718	6,732	6,879
Alabama	1,020	37,848	3,418	4,385	5,108	4,558	3,944	3,799
Mississippi	815	34,321	2,447	2,801	3,255	2,891	2,460	2,444
West South Central	5,265	157,655	24,678	30,646	37,240	34,670	29,994	30,232
Arkansas	1,227	25,343	2,928	3,585	3,828	3,375	2,905	2,849
Louisiana	852	14,358	4,015	5,055	5,486	5,123	4,611	4,580
Oklahoma	1,011	43,514	4,730	5,889	7,272	6,725	5,524	5,647
Texas	2,175	74,440	13,005	16,117	20,654	19,447	16,954	17,156
Mountain	3,668	36,415	12,178	15,004	17,276	16,385	14,453	14,409
Montana	805	6,745	2,016	2,180	2,446	2,299	2,036	2,125
Idaho	475	6,763	1,397	1,324	1,513	1,459	1,284	1,239
Wyoming	370	1,209	712	953	993	961	866	884
Colorado	695	15,295	4,398	5,878	6,819	6,447	5,655	5,539
New Mexico	531	2,823	679	900	1,089	1,082	983	1,005
Arizona	294	1,548	943	1,137	1,532	1,460	1,276	1,298
Utah	338	1,872	1,647	2,179	2,347	2,149	1,836	1,832
Nevada	160	160	386	453	537	528	517	487
Pacific	3,169	46,058	25,158	40,812	51,378	49,725	44,873	46,019
Washington	849	15,110	5,636	7,494	8,719	8,266	7,262	7,213
Oregon	762	10,171	3,324	4,809	5,436	5,153	4,561	4,584
California	1,558	20,777	16,198	28,509	37,223	36,306	33,050	34,222
Outlying offices	389	55	[2] 1,062	1,328	1,740	1,679	1,741	1,868
Alaska	189	----------	82	71	104	91	90	94
Guam	1	----------	1	2	3	3	2	2
Hawaii	97	55	352	611	774	780	779	838
Puerto Rico	95	----------	406	522	527	538	520	558
Samoa (Tutuila)	2	----------	2	2	(3)	(3)	(3)	(3)
Virgin Islands	5	----------	17	11	15	13	13	13
Philatelic agency	----------	----------	----------	109	317	255	337	303

[1] Revenues from money-order business, postal savings, and
[2] Includes receipts from agencies in China, France, and Sibe

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. 354.—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, 1927, and 1932

[All money figures in thousands of dollars]

	1907	1912	1917	1922	1927	1932
ALL SYSTEMS						
Number of systems and lines	22,971	32,233	53,234	57,253	60,148	44,828
Miles of wire (thousands)	12,999	20,248	28,827	37,266	63,836	87,678
Number of telepl	6,119	8,730	11,717	14,347	18,523	17,424
Number of calls reporting (millions)	(1)	(1)	21,846	24,648	31,614	30,048
Number of employees	(1)	(1)	262,029	312,015	375,272	334,085
Salaries and wages	(1)	(1)	175,670	352,926	486,597	458,117
Revenue, operating [2]	(1)	(1)	382,830	665,568	1,023,574	1,061,530
Investment in plant and equipment	(1)	(1)	1,492,329	2,205,183	3,548,875	4,791,903
SYSTEMS REPORTING ANNUAL INCOME OF $5,000 OR MORE, 1907–1917, AND THOSE REPORTING $10,000 OR MORE, 1922–1932						
Number of systems and lines	1,636	1,916	2,200	1,323	1,368	918
Miles of wire, total (thousands)	11,922	19,019	27,298	35,503	62,277	86,484
Underground	(3)	9,165	14,849	21,440	39,893	55,236
Overhead	(3)	9,854	12,449	14,063	22,384	31,248
Exchange lines	(3)	16,336	23,723	30,907	54,281	(4)
Toll lines	(3)	2,683	3,575	4,596	7,996	(4)
Number of telephones (thousands)	4,907	7,327	9,954	12,295	16,713	16,284
Number of central offices	10,613	11,515	12,294	10,666	11,485	12,724
Number of private-branch exchanges	28,276	52,651	80,914	102,622	(4)	(4)
Number of calls originating with systems reporting (millions)	10,400	13,736	19,809	21,901	29,196	29,100
	10,161	13,395	19,366	21,235	28,109	(4)
	240	341	443	666	1,087	(4)
Number of employees	131,670	183,361	244,490	290,333	356,739	320,763
Salaries and wages	65,009	96,041	169,655	341,538	475,840	451,478
Operators (included above):						
Number	72,518	96,332	138,971	159,558	(4)	(4)
Male	2,457	1,972	1,679	932	(4)	(4)
Female	70,061	94,360	137,292	158,626	(4)	(4)
Wages	22,037	32,474	66,137	138,897	(4)	(4)
BELL SYSTEM (INCLUDED ABOVE)						
Miles of wire (thousands)	8,947	15,133	23,134	30,614	56,819	80,586
Number of telephones (thousands)	3,132	5,087	7,327	9,515	13,726	13,793
Number of originating calls (millions)	6,401	9,133	14,598	16,567	23,693	25,061
SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN $5,000, 1907–1917, AND LESS THAN $10,000, 1922–1932						
	1,077	1,229	1,529	1,763	1,559	1,193
	1,212	1,403	1,763	2,052	1,810	1,140
	(3)	(3)	2,037	2,746	2,418	948

1 [illegible] systems and lines.
2 [illegible] companies.
3 [illegible]
4 Not called for on schedule.

Source: Bureau of the Census, Department of Commerce.

No. 355.—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				Telephones per 1,000 population, 1932	Number of originating calls (millions)	
	1927	1932	1912	1922	1927	1932		1927	1932
United States	63,836,182	87,677,586	8,729,592	14,347,395	18,522,767	17,424,406	139	31,614	30,043
New England	5,586,569	7,682,588	625,488	1,223,497	1,548,931	1,513,939	183	2,328	2,458
Maine	326,120	517,144	68,914	113,725	131,367	124,372	155	214	205
New Hampshire	211,448	288,990	40,017	68,874	83,066	79,506	170	117	127
Vermont	105,645	149,129	40,142	54,530	60,793	58,133	161	84	86
Massachusetts	3,165,833	4,099,247	329,992	687,700	867,888	832,740	193	1,334	1,368
Rhode Island	429,451	595,303	41,664	92,766	114,944	110,671	158	117	176
Connecticut	1,348,072	2,032,775	104,759	205,902	290,873	308,517	188	462	496
[illegible]	[illegible]	[illegible]	1,782,145	3,249,710	4,588,211	4,613,733	172	6,908	6,905
[illegible]	[illegible]	[illegible]	970,449	1,780,563	2,595,537	2,628,537	204	3,935	4,000
[illegible]	[illegible]	[illegible]	185,632	383,496	599,336	642,830	154	774	838
[illegible]	[illegible]	[illegible]	626,064	1,085,651	1,393,338	1,342,366	138	2,199	2,067
East North C[illegible]	[illegible]	[illegible]	[illegible]	3,693,101	4,589,751	4,034,931	156	7,538	6,504
Ohio	[illegible]	[illegible]	[illegible]	962,837	1,122,036	978,394	144	1,958	1,712
Indiana	[illegible]	[illegible]	[illegible]	508,726	552,249	444,996	136	1,061	863
Illinois	5,688,146	7,599,337	807,253	1,283,449	1,685,690	1,507,222	193	2,571	2,206
Michigan	2,967,217	4,263,778	335,074	508,140	711,315	621,958	124	1,140	982
Wisconsin	1,351,537	1,941,790	250,174	429,949	518,461	482,361	162	808	741
West North Central	6,044,901	7,641,354	1,621,523	2,315,998	2,594,081	2,260,985	169	4,577	3,980
Minnesota	1,422,716	1,610,192	272,359	424,777	487,611	443,682	171	931	849
Iowa	960,226	1,310,798	380,294	533,347	565,533	484,879	196	916	775
Missouri	1,988,764	2,620,741	404,150	550,980	657,946	592,153	162	1,269	1,157
North Dakota	140,923	161,225	51,241	77,586	86,198	69,241	101	129	143
South Dakota	154,601	177,521	65,858	101,555	107,641	88,798	127	171	119
Nebraska	606,425	736,632	201,689	273,500	295,274	247,551	178	524	367
Kansas	771,246	1,024,245	245,932	354,251	393,878	334,681	176	637	550
South Atlantic	4,244,852	5,760,130	531,402	937,324	1,262,222	1,250,882	78	2,426	2,430
Delaware	118,539	210,300	15,842	23,534	28,901	32,537	135	53	58
Maryland	936,353	1,076,460	84,801	153,790	197,135	212,014	128	294	317
District of Columbia	540,152	675,044	46,603	102,231	144,985	180,785	366	186	235
[illegible]	615,286	876,581	76,652	155,490	183,698	196,956	81	382	420
[illegible]	349,899	445,781	80,251	116,081	146,677	134,150	76	279	243
[illegible]	392,455	706,829	65,152	116,129	160,507	143,710	44	379	321
South Carolina	171,678	290,599	33,239	54,078	64,616	57,215	33	146	148
Georgia	538,751	772,176	96,436	136,334	173,410	151,264	52	437	415
Florida	581,739	706,360	32,426	79,657	162,293	142,251	92	270	273
East South Central	2,001,125	2,587,978	337,292	521,120	644,270	547,440	55	1,537	1,401
Kentucky	722,120	863,293	130,751	201,545	222,735	191,236	72	485	407
Tennessee	642,096	850,951	104,353	171,413	220,559	192,983	73	559	539
Alabama	421,927	580,087	56,292	84,401	121,115	100,813	37	313	282
Mississippi	214,982	293,647	45,896	63,761	79,861	62,408	31	180	173
West South Central	3,619,976	5,028,077	543,102	872,157	1,149,357	1,002,389	81	2,649	2,591
Arkansas	318,868	366,944	68,303	99,490	118,178	86,676	46	239	193
Louisiana	560,262	694,367	46,602	87,354	137,610	132,735	62	385	392
Oklahoma	655,102	1,173,051	116,217	222,889	278,912	241,453	99	581	571
Texas	2,085,744	2,793,715	311,980	462,424	614,657	541,525	90	1,444	1,435
Mountain	1,198,550	1,640,855	226,652	385,730	456,198	446,492	119	780	802
Montana	135,536	181,485	35,537	55,115	59,238	55,361	103	81	96
Idaho	111,940	134,096	29,454	48,745	54,822	49,201	110	128	93
Wyoming	60,622	85,233	9,946	24,949	28,049	28,346	123	39	49
Colorado	559,873	717,589	90,397	150,652	183,250	179,063	171	313	300
New Mexico	48,765	84,722	10,346	18,342	21,580	23,100	53	35	43
Arizona	89,305	158,261	11,224	24,353	33,194	36,064	80	37	68
Utah	167,393	231,113	34,064	53,261	63,106	60,082	116	127	130
Nevada	25,116	48,356	5,684	10,313	12,959	15,275	164	20	23
Pacific	5,924,110	8,363,209	683,731	1,148,760	1,689,746	1,753,615	205	2,871	2,997
Washington	739,138	1,029,949	150,016	238,275	299,109	276,530	174	554	560
Oregon	490,820	599,201	99,713	146,847	185,171	166,639	170	331	307
California	4,694,152	6,734,059	434,002	763,638	1,205,466	1,310,446	219	1 986	2,130

Source: Bureau of the Census, Department of Commerce.

No. 356.—TELEPHONE SYSTEMS: TOTAL NUMBER OF TELEPHONES, ALL SYSTEMS, AND NUMBER OF TELEPHONES AND MILES OF WIRE IN THE BELL SYSTEM

Dec. 31—	Total telephones [1]	Bell System		Dec. 31—	Total telephones [1]	Bell System	
		Telephones [2]	Miles of wires			Telephones [2]	Miles of wire
1895	339,500	309,502	675,415	1923	15,369,500	15,000,101	34,523,842
1900	1,355,900	855,911	1,961,801	1924	16,072,500	15,906,550	39,893,619
1905	4,126,900	2,530,924	5,779,918	1925	16,935,900	16,720,224	45,473,540
1910	7,635,400	5,882,719	11,642,212	1926	17,746,000	17,574,252	50,861,150
1915	10,523,500	9,172,495	18,505,545	1927	[3] 18,522,767	18,365,486	56,822,895
1917	[3] 11,716,520	10,539,576	22,610,487	1928	19,341,000	19,197,035	62,192,744
1918	12,077,600	11,065,999	23,346,132	1929	20,068,000	19,958,000	69,519,425
1919	12,668,500	11,795,747	24,162,999	1930	20,201,000	20,098,059	76,248,265
1920	13,329,400	12,601,935	25,377,404	1931	19,690,000	19,596,000	79,239,000
1921	13,875,200	13,380,219	27,819,821	1932	[3] 17,424,406	17,341,000	80,491,000
1922	[3] 14,347,395	14,050,565	30,616,522	1933	16,711,000	16,635,000	80,281,000

[1] Partly estimated, except as indicated.
[2] Bell-owned and Bell-connecting (owned by other companies).
[3] From Bureau of the Census.

No. 357.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): SUMMARY OF STATISTICS

	1910	1915	1920	1925	1930	1932	1933
	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	62,365	58,813	55,199
Toll messages, daily average	603	819	1,327	2,098	2,933	2,251	2,047
Central offices (number)	4,933	5,300	5,702	6,017	6,585	6,778	6,763
Miles of wire, total	11,642	18,506	25,377	45,474	76,248	80,491	80,281
Aerial wire	5,625	7,932	9,630	14,991	26,023	27,608	27,480
Underground wire	6,017	10,573	15,748	30,483	50,225	52,883	52,801
Exchange wire	9,678	16,052	21,604	39,841	62,867	65,224	65,028
Toll wire	1,964	2,453	3,773	5,633	13,381	15,267	15,253
Telephones, total	5,883	9,172	12,602	16,720	20,098	17,341	16,635
Bell-owned [1]	3,933	5,968	8,334	12,035	15,682	13,793	13,163
Bell-connecting (owned by other companies)	1,950	3,204	4,268	4,685	4,416	3,548	3,472
Employees (number)	120,311	156,294	231,316	293,095	324,343	266,357	248,497
	Income statement year ended Dec. 31 (in thousands of dollars) [2] [3]						
Gross revenues	165,613	239,910	461,135	761,219	1,151,566	974,071	884,468
Expenses	114,618	173,728	381,626	578,776	883,692	779,000	701,532
Net revenue	50,994	66,182	79,509	182,443	267,874	194,471	182,936
Interest	11,557	18,096	31,724	45,940	66,228	55,135	54,351
Net income	39,438	48,086	47,785	136,503	201,646	139,336	128,585
Dividends	25,161	32,897	40,000	93,243	156,625	185,032	183,240
Balance	14,277	15,189	7,785	43,260	45,021	[4] *45,696*	[4] *54,655*
	Telephone plant, capital stock, and funded debt Dec. 31 (in thousands of dollars) [2]						
Telephone plant	611,000	880,069	1,363,826	2,524,906	4,043,422	4,188,749	4,238,646
Capital stock [5]	344,645	440,711	511,493	1,144,619	2,155,053	2,111,114	2,109,718
Funded debt	224,792	353,236	585,794	890,337	1,115,592	1,043,908	1,037,625

[1] Includes private line telephones.
[2] All duplications between companies excluded.
[3] Figures for 1933 not strictly comparable with those for prior years owing to revision of uniform system of accounts, effective Jan. 1, 1933.
[4] Deficit. [5] Includes capital stock installments.

Source of Tables 356 and 357: American Telephone & Telegraph Co.

No. 358.—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 [illegible] revenues was as follows: Class A, over $250,000; class B, $50,000 to $250,[illegible] Effective Jan. 1, 1923, the classification was amended as follows: Class A, [illegible] to $250,000; class C, $50,000 to $100,000; class D, $50,000 or less. A further [illegible] 1, 1933, as follows: Class A, over $100,000; class B, $50,000 to $100,000; clas[illegible] panies below $50,000 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	Investment: All other
			Thousands of dollars					
All companies:								
1916	23,699	8,963	314,801	209,233	(1)	(1)	1,217,756	(1)
1920	29,640	-------	530,349	(1)	(1)	88,024	1,704,304	1,122,289
1925	49,773	13,875	818,218	556,993	257,231	193,599	2,790,056	1,633,124
1927	62,096	15,702	979,414	658,231	316,951	235,047	3,367,860	1,953,712
1928	67,790	16,648	1,068,478	715,032	348,175	260,641	3,666,739	2,030,651
1929	75,729	17,697	1,172,863	791,612	375,018	284,968	4,070,131	2,337,207
1930	82,783	17,904	1,209,665	831,500	369,990	277,135	4,445,139	2,658,091
1931	86,670	17,573	1,179,660	795,376	376,431	279,188	4,619,076	2,830,718
1932	88,303	15,681	1,049,757	715,675	321,702	228,865	4,660,663	2,783,658
Class A companies:								
1925	48,487	13,037	792,428	539,072	248,476	186,777	2,674,926	1,631,335
1930	81,517	17,128	1,183,503	813,734	360,674	269,717	4,312,385	2,652,428
1932	87,301	15,177	1,032,294	703,191	315,816	224,397	4,549,505	2,774,590
1933	(1)	14,449	951,953	678,636	273,215	183,700	(1)	(1)
Class B companies: 1932	653	313	11,206	7,739	3,352	2,380	60,407	7,202
Class C companies: 1932	349	191	6,257	4,745	2,534	2,088	50,751	1,806

[1] Data not available.

Source: Interstate Commerce Commission.

No. 359.—WIRELESS TELEGRAPH SYSTEMS: SUMMARY OF STATISTICS

NOTE.—1917 omitted owing to war conditions; 1932 data not available

	1907	1912	1922	1927
Number of companies or systems	5	4	4	5
Number of messages	154,617	[1] 285,091	2,365,109	3,777,538
Number of tower stations	117	74	37	55
Income, total	$106,791	$669,158	[2] $8,111,102	[2] $24,829,340
Expenses, total	$160,329	$664,420	$5,111,574	$12,866,636
General operation and maintenance	$117,480	$588,712	$3,534,474	$5,116,264
Interest and taxes	$5,562	$7,826	$156,457	$249,435
All other expenses	$37,287	$67,882	$1,420,643	$7,500,937
Net income		$4,738	$2,999,528	$11,962,704
Deficit	$53,538			
Assets, total	$32,658,897	$10,377,197	$46,494,909	$81,147,512
Plant and equipment	$317,614	$1,205,770	$34,716,814	$35,751,904
Investment and marketable securities, long-term advances, and misel. investments			$1,225,169	$17,711,483
Cash and current assets	$32,196,456	$9,171,427	[3] $4,427,830	$19,312,823
Materials and supplies			$5,883,877	$6,831,530
Sundries			$241,219	$1,387,342
Deficit	$444,827			$152,430
Liabilities, total	$32,958,897	$10,377,197	$46,494,909	$81,147,512
Capital stock	$32,676,242	$9,602,570	$36,034,309	$38,174,134
Funded and long-term debt			$525,000	
Floating debt			$659,280	$320,961
Accounts payable	$282,655	$287,866	$3,254,556	$11,436,628
Reserves (depreciation and other)			$4,040,280	$17,206,630
Sundries		$313,777	$1,172,599	$5,746,973
Surplus		$172,984	$808,885	$8,262,186
Number of employees	176	958	1,258	1,985
Salaries and wages	$81,771	$393,606	$2,095,506	$2,558,179

[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, $6,226,188; other operating revenues, 1922, $3,644,201; 1927, $14,791,565; 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.

No. 360.—TELEGRAPH AND CABLE SYSTEMS: SUMMARY OF REPORTS TO THE INTERSTATE COMMERCE COMMISSION

[All money figures in thousands of dollars]

Year ended Dec. 31—	Miles of wire (thousands)	Investments		Operating revenues	Operating ratio (per cent)	Operating income	Net income	Dividends
		Plant and equipment	Other					
All companies:								
1916	1,936	149,936	(1)	74,847	73.77	(1)	13,955	6,066
1920	1,781	258,097	21,275	153,264	(1)	21,512	16,158	11,471
1921	1,858	270,976	20,540	136,663	(1)	18,667	13,311	9,078
1922	1,874	279,402	19,907	138,190	(1)	22,894	18,138	13,960
1923	1,894	288,481	27,001	144,610	81.11	21,025	16,656	9,309
1924	1,946	307,143	27,565	146,176	81.94	20,229	15,805	9,386
1925	2,075	321,687	28,191	162,693	81.64	23,204	18,854	9,066
1926	2,056	338,794	27,017	165,831	82.81	21,767	16,806	10,750
1927	2,207	379,514	27,434	170,843	80.58	25,714	21,046	11,618
1928	2,317	396,609	32,190	177,019	81.18	26,335	21,662	11,680
1929	2,365	411,725	54,285	188,574	82.59	26,333	21,611	18,828
1930	2,381	450,223	38,640	169,643	86.16	17,930	10,730	20,073
1931	2,349	463,171	25,498	142,792	87.78	12,662	4,029	9,588
1932	2,337	465,639	22,417	110,302	89.88	6,168	[2] *3,123*	2,461
Western Union Co.: 1932	1,899	326,547	17,541	83,014	88.02	6,095	[2] *831*	1,045
Mackay companies: 1932	382	82,842	1,030	21,434	99.38	[2] 735	[2] *3,569*	

[1] Data not available.

[2] Deficit.

Source: Interstate Commerce Commission.

No. 361.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: EQUIPMENT, TRAFFIC, EMPLOYEES, AND FINANCES

	1902	1912	1917	1922	1927	1932
Miles of pole line [1]	237,990	247,528	241,128	252,991	256,809	256,661
Miles of single wire [2]	1,318,350	1,814,196	1,890,245	1,853,250	2,145,897	2,266,054
Aerial	(3)	(3)	1,809,482	1,718,251	1,940,069	1,956,003
Underground	(3)	(3)	77,187	131,448	200,979	303,912
Submarine	(3)	(3)	3,576	3,551	4,849	6,139
Nautical miles of ocean cable	16,677	67,676	71,251	76,711	99,074	96,468
Number of offices	27,377	30,864	28,940	27,354	27,666	26,047
Operated jointly with railway companies	(3)	26,247	23,272	21,906	21,449	18,816
Messages sent (thousands)	91,655	109,378	[4] 127,074	191,121	229,582	158,378
Governmental	(3)	(3)	4,597	3,199	2,732	3,655
Full commercial rate	(3)	(3)	110,618	175,847	214,164	146,162
Contract rate and free	(3)	(3)	11,858	12,075	12,686	8,561
Number of employees	27,627	[4] 44,811	64,723	68,632	81,498	66,723
Salaries and wages ($1,000)	15,040	[4] 24,965	43,764	76,162	99,520	73,949
Revenue, operating ($1,000)	35,301	60,403	106,990	146,805	177,589	114,656
Investment in plant and equipment ($1,000)	161,680	222,047	243,358	326,662	426,699	506,445

co
$1,000,000 or more, 1917, 344
for 1902.

Reported by all railway
al operating revenues of
337,059 miles. No data

[3] Figures not available.

[4] The number of employees includes 7,516 messengers whose wages are not included in figure for salaries and wages.

Source: Bureau of the Census, Department of Commerce.

No. 362.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, AND FINANCES

	Land systems				Ocean systems			
	1917	1922	1927	1932	1917	1922	1927	1932
Miles of pole line [1]	241,012	252,991	254,720	256,215	116		2,089	446
Miles of single wire [2]	1,888,793	1,845,237	2,138,259	2,259,827	1,452	8,013	7,638	6,227
Aerial	1,808,325	1,714,211	1,936,611	1,952,432	1,157	4,040	3,458	3,571
Underground	76,892	127,475	197,058	301,560	295	3,973	3,921	2,352
Submarine	3,576	3,551	4,590	5,835			259	304
Nautical miles of ocean cable					71,251	76,711	99,074	96,468
Number of offices	28,826	27,214	27,530	25,901	114	140	136	146
Operated jointly with railway companies	23,272	21,906	21,449	18,816				
Messages sent, thousands	[3] 120,623	181,519	215,595	147,941	6,451	9,603	13,987	10,437
Governmental	4,309	3,130	2,657	3,583	288	69	75	72
Full commercial rate	106,159	166,730	200,381	135,797	4,459	9,117	13,783	10,365
Contract rate and free	10,154	11,659	12,557	8,561	1,704	417	129	
Number of employees	60,376	62,299	74,903	60,933	4,347	6,333	6,595	5,790
Salaries and wages ($1,000)	40,512	68,737	89,984	66,988	3,252	7,425	9,536	6,961
Revenue, operating ($1,000)	91,313	128,631	159,682	97,729	15,677	18,174	17,907	16,927
Investment in plant and equipment ($1,000)	[4] 163,488	254,030	338,143	415,694	[5] 79,871	72,632	88,556	90,751

[1] Exclusive of pole line owned and operated wholly by railway companies.
[2] Exclusive of wire owned and operated wholly 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; 1932, 337,059 miles.
[3] In addition, 31,102,577 lettergrams, not distributed according to rate, were reported.
[4] Net [illegible] system plant and equipment to the value of $20,000,000 reported as cable-system [illegible] for 1917.
[5] [illegible] plant and equipment to the value of $20,000,000.

No. 363.—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 [1]
June 30—				*Dollars*	*Dollars*	*Dollars*
1867	46,270	85,291	2,565	6,568,925	3,944,006	2,624,920
1870	54,109	112,191	3,972	7,138,738	4,910,772	2,227,966
1875	72,833	179,496	6,565	9,564,575	6,335,415	3,229,158
1880	85,645	233,534	9,077	12,782,895	6,948,957	5,833,938
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	21,360	22,218,019	16,076,630	6,141,389
1900	192,705	933,153	22,900	24,758,570	18,593,206	6,165,364
1905	200,224	1,184,557	23,314	29,033,635	21,845,570	7,188,065
1910	214,360	1,429,049	24,825	33,889,202	26,614,302	7,274,900
Dec. 31—						
1915	238,940	1,610,709	25,142	52,475,721	40,972,541	11,503,180
1917	228,766	1,626,963	25,466	78,480,223	62,783,006	15,697,217
1918	[2] 247,303	1,382,547	25,452	[3] 88,093,247	[3] 76,713,028	[3] 11,380,219
1919	245,560	1,433,978	25,159	[3] 104,082,147	[3] 90,312,033	[3] 13,770,114
1920	246,214	1,449,710	24,881	121,473,685	108,134,041	13,339,644
1921	246,064	1,521,085	24,632	105,228,075	95,542,563	9,685,512
1922	242,729	1,534,009	24,580	107,116,306	93,910,954	13,205,352
1923	244,001	1,557,399	24,678	113,628,470	99,982,165	13,646,305
1924	246,742	1,593,963	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	249,916	1,668,293	24,688	136,406,026	121,098,832	15,307,194
1927	251,756	1,783,140	24,765	134,460,816	119,328,218	15,132,598
1928	255,088	1,889,632	24,842	139,387,321	123,817,517	15,569,804
1929	256,044	1,934,020	25,061	148,449,854	132,872,815	15,577,039
1930	256,763	1,948,938	24,298	133,235,751	123,987,519	9,248,232
1931	258,652	1,913,485	23,490	110,547,245	104,572,745	5,974,500
1932	258,020	1,899,174	21,950	84,581,963	85,412,568	[4] *830,605*
1933	257,274	1,902,327	21,261	84,993,425	80,628,543	4,364,882

[1] Prior to 1919 data represent net income before bond interest.
[2] Figures readjusted.
[3] Corporate and Federal.
[4] Deficit.

Sources: Table 362, Bureau of the Census, Department of Commerce; Table 363, Western Union Telegraph Co.

18.—POWER—ELECTRIC AND OTHER

[Data in this section relate to continental United States]

No. 364.—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 exports, imports, or changes in stocks

Annual average or year	Anthracite	Bituminous	Total coal	Domestic oil	Natural gas	Imported oil	Water power [1]	Grand total fuels and water power	Equivalent in bituminous coal [2]	
									Million tons of 2,000 lbs.	Per capita, tons
1871–1875	637	754	1,391	49	----	----	(1)	1,520	58	1.4
1876–1880	718	955	1,673	101	----	----	(1)	1,857	71	1.5
1881–1885	985	1,863	2,848	153	[3] 24	----	(1)	3,110	119	2.2
1886–1890	1,195	2,474	3,669	198	[3] 264	----	(1)	4,221	161	2.7
1891–1895	1,453	3,286	4,739	307	[3] 166	----	104	5,316	203	3.0
1896–1900	1,513	4,493	6,006	357	[3] 198	----	129	6,690	255	3.5
1901–1905	1,818	7,140	8,958	612	323	----	209	10,102	386	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	16,722	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
1926–1930	2,084	13,595	15,679	5,375	1,760	408	1,781	25,002	954	8.0
1928	2,049	13,120	15,169	5,409	1,686	479	1,942	24,685	942	7.9
1929	2,008	14,017	16,025	6,044	2,062	474	1,929	26,534	1,013	8.3
1930	1,887	12,249	14,136	5,388	2,089	373	1,856	23,842	910	7.4
1931	1,622	10,011	11,633	5,106	1,813	284	1,721	20,557	785	6.3
1932	1,356	8,114	9,470	4,711	1,673	268	1,900	18,022	688	5.5
1933 [4]	1,344	8,592	9,936	5,393	1,591	203	1,931	19,054	727	5.8

[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.
[4] Preliminary.

No. 365.—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 1933, 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 percent 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	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*	*Thousand kilowatts*
1902	4,768	----	----	----	----	----	----	----	[3] 2,112
1912	17,572	----	----	----	----	----	----	----	7,670
1917	32,679	----	----	----	----	----	----	----	11,919
1919	38,921	14,606	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	14,390
1921	40,975	14,970	26,005	31,585	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	43,522	2.4	17,369
1924	59,014	19,969	39,044	37,556	16,630	48,443	43,130	2.2	19,519
1925	65,870	22,356	43,514	40,222	10,246	46,521	44,780	2.1	23,619
1926	73,791	26,189	47,602	41,311	9,399	53,207	45,856	1.95	25,398
1927	80,205	29,875	50,330	41,888	6,782	62,919	45,910	1.84	27,691
1928	87,850	34,696	53,154	41,350	7,158	77,326	46,387	1.76	29,630
1929	97,352	34,629	62,723	44,937	10,124	112,707	52,574	1.69	31,952
1930	95,936	33,021	62,915	42,898	9,260	120,200	50,654	1.62	34,264
1931	91,729	30,603	61,126	38,734	8,123	139,328	47,134	1.55	35,590
1932	83,153	34,098	49,055	30,290	7,967	107,875	36,600	1.50	36,061
1933	85,402	34,727	50,674	30,575	9,940	102,601	37,163	1.47	36,038

[1] Of 2,000 pounds. [2] Of 42 gallons. [3] Partly estimated.

Sources: Table 364, Bureau of Mines, Department of [illegible] 365, 1902 to 1917, Bureau of the Census, Department of Commerce; thereafter, Geologica [illegible] nent of the Interior.

No. 366.—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, 1933
	Total						Generated by water power		Generated by fuel power		
	1920	1925	1930	1931	1932	1933	1932	1933	1932	1933	
United States	43,555	65,870	95,936	91,729	83,153	85,402	34,098	34,727	49,055	50,674	36,038
New England	3,407	4,824	6,400	6,389	5,724	6,067	2,851	2,652	2,873	3,414	2,948
Maine	352	509	731	842	770	825	764	810	6	15	262
New Hampshire	97	264	367	593	700	599	658	550	43	49	281
Vermont	200	258	480	464	521	432	521	432	(1)	(1)	178
Massachusetts	1,740	2,378	2,908	2,738	2,441	2,595	623	572	1,818	2,023	1,344
Rhode Island	334	408	547	436	251	442	4	5	247	437	243
Connecticut	684	1,007	1,367	1,315	1,040	1,174	281	284	760	890	640
Middle Atlantic	12,349	18,299	25,136	24,403	22,690	22,977	6,578	6,891	16,113	16,087	9,251
New York	6,939	10,267	14,404	13,839	13,243	12,988	5,380	5,276	7,863	7,712	5,448
New Jersey	1,096	1,506	2,857	3,310	3,060	3,202	23	30	3,037	3,171	1,064
Pennsylvania	4,314	6,526	7,875	7,255	6,388	6,787	1,175	1,584	5,213	5,204	2,739
East North Central	9,958	15,715	22,165	20,639	18,168	18,856	2,207	2,103	15,962	16,752	8,022
Ohio	2,930	4,387	5,942	5,560	4,960	5,415	28	27	4,932	5,388	2,161
Indiana	933	1,484	2,943	2,879	2,502	2,513	125	133	2,377	2,380	1,038
Illinois	3,043	5,269	6,851	6,333	5,452	5,632	242	247	5,210	5,385	2,353
Michigan	2,093	3,031	4,270	3,885	3,418	3,484	1,020	984	2,398	2,500	1,624
Wisconsin	960	1,542	2,159	1,983	1,836	1,813	792	713	1,044	1,100	847
West North Central	3,179	4,254	5,982	5,883	5,534	5,505	1,605	1,564	3,929	3,940	2,675
Minnesota	703	1,046	1,311	1,304	1,152	1,162	481	447	671	714	583
Iowa	1,017	1,195	1,574	1,499	1,527	1,394	762	632	765	762	500
Missouri	698	866	1,269	1,314	1,210	1,289	287	401	923	888	708
North Dakota	28	39	125	137	137	139			137	139	75
South Dakota	48	75	114	102	88	86	12	10	76	75	67
Nebraska	247	366	575	595	551	556	37	47	514	508	252
Kansas	438	667	1,014	932	870	879	26	26	844	853	400
South Atlantic	3,980	6,272	10,895	10,197	9,398	10,144	5,502	6,088	3,836	4,056	4,395
Delaware	76	102	18	5	6	6			6	6	9
[illegible]	283	573	1,869	1,704	1,691	1,753	1,288	1,470	403	283	619
[illegible]	255	350	548	580	607	468	11	11	596	457	264
[illegible]	521	802	1,231	1,127	1,026	1,090	339	345	688	744	457
[illegible]	1,128	1,643	2,103	1,919	1,540	1,732	146	181	1,394	1,550	563
[illegible]	260	942	2,298	2,000	1,617	1,957	1,551	1,720	66	237	998
[illegible]	730	882	1,202	1,372	1,323	1,313	1,284	1,205	39	108	654
Georgia	595	661	937	838	980	1,212	900	1,116	80	96	407
Florida	133	318	688	652	607	613	42	38	565	575	305
East South Central	1,464	2,610	3,882	3,908	3,556	3,899	2,979	2,836	577	564	1,674
Kentucky	276	475	719	752	682	660	392	389	290	271	342
Tennessee	573	875	1,037	1,123	1,039	976	833	766	207	211	426
Alabama	550	1,169	2,065	1,980	1,784	1,712	1,754	1,680	29	32	840
Mississippi	66	91	62	53	51	50			51	50	65
West South Central	1,230	2,202	5,055	4,499	4,148	4,256	156	188	3,993	4,069	1,751
Arkansas	119	189	108	105	149	165	107	129	41	36	148
Louisiana	219	350	1,067	1,085	1,085	1,097			1,085	1,097	312
Oklahoma	214	394	958	783	706	728	3	3	703	725	336
Texas	679	1,268	2,922	2,527	2,208	2,267	46	56	2,163	2,211	955
Mountain	2,581	3,127	3,699	3,265	2,530	2,771	1,925	2,213	605	557	1,190
Montana	1,126	1,263	1,320	966	635	923	618	905	17	18	311
Idaho	591	754	912	796	585	595	584	594	1	(1)	227
Wyoming	47	56	98	95	85	79	29	27	56	52	44
Colorado	397	523	573	529	478	459	186	185	292	275	236
New Mexico	15	22	76	180	158	157	2	2	156	156	85
Arizona	159	131	384	404	281	296	210	245	70	51	143
Utah	212	340	293	276	275	237	265	236	10	1	134
Nevada	34	40	43	19	33	24	30	20	3	4	11
Pacific	5,408	8,569	12,723	12,545	11,404	11,428	10,237	10,193	1,167	1,235	4,132
Washington	1,197	1,623	2,555	2,572	2,487	2,439	2,432	2,390	55	48	885
Oregon	476	730	1,219	1,177	969	965	881	889	88	76	336
California	3,736	6,216	8,948	8,796	7,949	8,023	6,924	6,913	1,024	1,110	2,912

[1] Less than 500,000 kilowatt-hours.

Source: Geological Survey, Department of the Interior.

No. 367.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, OUTPUT AND SALES

NOTE.—A central electric station, commercial or municipal, is one either generating and selling electrical energy, or selling only, to public or private consumers. Figures do not include establishments which [illegible] nes, factories, hotels, and other enterprises not in the nature of [illegible] e Federal Government or by States unless energy is sold com- [illegible] ic-railway power plants unless part of the current generated is [illegible] total sales, since they include energy sold for resale. Amount [illegible] erated due to line losses, etc.

	All central electric stations					
	1902	1912	1917	1922	1927	1932
Number of establishments [1]	3,620	5,221	6,542	6,355	4,335	3,429
Prime movers, horsepower—thousands	1,845	7,530	12,937	19,851	35,710	47,967
[illegible]	1,394	1,895	1,702	1,371	994	650
[illegible]		3,054	6,747	12,355	24,323	32,904
[illegible]	439	2,469	4,277	5,822	9,844	13,532
[illegible]	12	111	210	303	548	881
Generators:						
Number	12,484	12,610	13,428	12,701	11,967	11,111
Kilowatt capacity—thousands	1,212	5,165	8,994	14,313	25,811	34,623
Output—millions of kilowatt-hours		14,183	31,044	50,274	96,829	111,716
Generated	2,507	11,569	25,438	40,292	74,687	79,657
Purchased	(2)	2,614	5,606	9,983	22,142	32,059
Sold	(2)	(2)	25,752	41,965	79,011	88,265
To ultimate consumers	(2)	(2)	(2)	32,948	63,612	65,896
For resale	(2)	(2)	(2)	9,017	15,399	22,369
Number of customers—thousands	(2)	3,338	7,179	12,710	21,790	23,862
Salaried employees—number	6,996	26,093	35,406	55,112	101,415	110,453
Salaries—1,000 dollars	5,664	24,307	36,788	86,951	(3)	(4)
Wage earners—number	[5] 23,330	[6] 53,242	[6] 70,135	[6] 95,650	[6] 149,605	[6] 134,120
Wages—1,000 dollars	14,983	36,855	58,454	125,481	(3)	(4)

[1] The term "establishment" as here used may represent a single electric station (either generating or [illegible] ations operated under the same ownership.

1927 by municipal plants. Commercial plants reported 95,917 to $166,341,000, and 138,796 wage earners, with wages amount-

laries and wages. The total amount reported was $323,880,000, ercial establishments and $20,822,000 by municipal.

[5] Average number for the year.
[6] Number Sept. 16, 1912; Sept. 29, 1917; June 30, 1922, 1927, and 1932, or nearest representative day.

No. 368.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, AND FINANCES OF COMMERCIAL AND MUNICIPAL ESTABLISHMENTS

NOTE.—See headnote to Table 367

	Commercial establishments				Municipal establishments			
	1917	1922	1927	1932	1917	1922	1927	1932
Number of establishments	4,224	3,774	2,137	1,627	2,318	2,581	2,198	1,802
Horsepower of prime movers—thousands	12,078	18,571	33,661	45,191	859	1,280	2,049	2,776
Capacity of generators thousands of kw.	8,412	13,407	24,383	32,648	582	906	1,428	1,975
Output, millions of kw.-hrs.	29,812	47,833	92,299	106,329	1,232	2,441	4,529	5,387
Generated	24,399	38,413	71,307	75,692	1,039	1,878	3,379	3,965
Purchased	5,413	9,420	20,992	30,637	193	563	1,150	1,422
Sold—								
To ultimate consumers	24,723	30,941	60,537	62,148	1,029	2,007	3,075	3,748
For resale		8,971	14,808	21,789		45	591	580
Customers—thousands	6,202	11,065	19,661	21,634	977	1,645	2,129	2,228
[illegible]	[illegible]	136,105	234,747	225,557	10,862	14,657	16,273	19,016
[illegible]	[illegible]	986,684	[1] 1,841,227	[1] 2,030,997	40,260	85,436	[2] 122,437	[1] 126,298
[illegible]	[illegible]	792,496	[3] 1,318,255	[3] 1,477,139	31,441	67,129	[4]	[3] 89,217
[illegible]	[illegible]	5,504,614	12,950,388	17,032,540	148,345	288,623	[4]	710,143
[illegible]	933,017	4,229,356	[5] 8,880,291	[6] 12,124,807	127,375	235,660	417,167	[6] 539,570

[1] Includes net income from utilities other than electric and nonoperating income.
[2] Operating revenues only.
[3] Includes other deductions from gross income.
[4] Not called for on schedule.
[5] Includes plant and equipment valued at $902,057,000, not separated as to electric light and power and other properties.
[6] Reported as fixed capital.

Source of Tables 367 and 368: Bureau of the Census, Department of Commerce.

No. 369.—CENTRAL ELECTRIC STATIONS: STATISTICS OF

[See headnote

Division and State	Horsepower of prime movers (thousands)				Thousands of kilowatt-hours generated			
	Total		Steam engines and turbines and internal-combustion engines, 1932	Water wheels and hydro-turbines, 1932	1912	1917	1922	1927
	1927	1932						
Continental U.S.	35,710	47,967	34,435	13,532	11,569,110	25,438,303	40,291,536	74,686,378
New England	3,009	3,643	2,422	1,221	865,380	1,835,584	2,969,971	4,750,194
Maine	252	353	75	278	117,093	165,504	278,456	560,664
New Hampshire	157	421	85	336	126,594	160,456	94,864	226,444
Vermont	204	[1] 599	[1] 344	[1] 255	42,660	65,080	217,718	338,528
Massachusetts	1,529	1,590	1,354	236	386,254	937,125	1,493,328	2,245,301
Rhode Island	264	([1])	([1])	([1])	62,107	161,856	341,592	411,074
Connecticut	603	680	564	116	130,672	345,563	544,013	968,182
Middle Atlantic	8,615	11,310	9,250	2,060	3,548,605	7,659,318	10,765,515	19,281,645
New York	4,212	6,276	4,689	1,587	2,175,049	3,828,592	5,430,772	9,917,686
New Jersey	1,004	1,426	1,419	7	383,891	781,231	1,058,090	1,861,985
Pennsylvania	3,399	3,608	3,142	466	989,665	3,049,495	4,276,653	7,501,975
East North Central	8,668	11,366	10,393	973	2,527,964	5,757,150	9,368,260	18,211,895
Ohio	2,354	2,917	2,895	22	399,101	1,083,514	2,404,492	4,724,016
Indiana	870	1,331	1,282	49	236,944	441,423	795,271	1,746,153
Illinois	2,904	3,698	3,623	75	1,150,900	2,210,373	3,089,504	6,075,352
Michigan	1,619	2,235	1,773	462	525,616	1,504,240	2,102,086	3,773,630
Wisconsin	921	1,185	820	365	215,403	517,600	976,307	1,892,737
West North Central	2,671	3,655	3,022	633	712,595	1,776,475	2,968,757	4,549,264
Minnesota	516	659	484	175	186,045	440,932	588,838	843,357
Iowa	649	843	632	211	67,166	614,809	858,543	1,429,170
Missouri	648	1,022	817	205	232,829	266,431	700,642	891,179
North Dakota	56	104	104		12,298	22,978	40,221	59,409
South Dakota	70	99	92	7	24,704	31,810	61,524	90,407
Nebraska	250	349	329	20	56,300	129,531	245,919	405,056
Kansas	482	579	564	15	133,253	269,984	473,070	830,685
South Atlantic	4,394	6,130	3,295	2,835	729,896	1,745,295	3,789,434	8,445,217
Delaware								
[illegible]	695	1,227	825	402	118,035	326,440	622,359	1,102,188
Virginia	502	568	438	130	28,724	107,581	319,206	973,766
West Virginia	755	731	648	83	42,345	204,108	1,199,378	1,902,820
North Carolina	773	1,381	476	905	70,552	371,711	404,428	2,036,122
South Carolina	700	940	199	741	356,772	500,431	844,417	1,116,267
Georgia	609	748	196	552	87,572	184,136	268,256	746,074
Florida	360	535	513	22	25,896	50,888	131,390	567,980
East South Central	1,447	2,051	1,026	1,025	227,665	1,048,815	1,419,834	2,777,288
Kentucky	395	455	314	141	75,593	122,631	231,507	505,564
Tennessee	456	579	289	290	75,545	564,914	492,507	936,874
Alabama	508	926	332	594	48,603	330,772	633,883	1,270,159
Mississippi	88	91	91		27,924	30,498	61,937	64,671
West South Central	1,563	2,472	2,351	121	233,948	482,648	1,041,393	3,275,021
Arkansas	131	207	118	89	17,787	38,645	84,469	174,198
Louisiana	277	467	467		18,328	26,009	52,156	634,594
Oklahoma	300	471	468	3	48,824	100,738	242,509	654,513
Texas	855	1,327	1,298	29	149,009	317,254	662,259	1,811,716
Mountain	1,406	1,675	572	1,103	845,394	2,036,195	2,209,444	3,389,551
Montana	378	452	28	424	379,213	965,454	988,009	1,398,749
Idaho	307	308	5	303	115,812	145,308	531,134	713,214
Wyoming	48	50	47	3	11,580	27,391	38,736	67,070
Colorado	269	311	220	91	165,196	274,224	290,082	499,566
New Mexico	33	([4])	([4])	([4])	9,028	17,245	22,362	32,674
Arizona	153	[4] 333	[4] 205	[4] 128	32,960	65,732	147,301	280,267
Utah	199	201	61	140	86,635	486,995	146,337	340,873
Nevada	19	20	6	14	44,970	53,846	45,393	57,137
Pacific	3,937	5,665	2,104	3,561	1,877,663	3,096,825	5,758,928	10,006,324
Washington	848	1,230	304	926	71,415	242,371	1,144,069	2,105,289
Oregon	308	537	260	277	58,789	107,887	266,861	840,063
California	2,781	3,898	1,540	2,358	1,747,459	2,746,567	4,347,998	7,060,973

[1] Rhode Island included with Vermont.
[2] West Virginia included with Delaware, District of Columbia, and Maryland.

COMMERCIAL AND MUNICIPAL ESTABLISHMENTS, BY STATES

to Table 367]

Thousands of kilowatt-hours generated—Continued			Thousands of kilowatt-hours sold, 1932		Revenue (in thousands of dollars), 1932		Division and State
1932	Commercial establishments, 1932	Municipal establishments, 1932	To ultimate consumers	For resale	From sale of electric current to ultimate consumers	From electric current sold for resale	
79,657,467	75,692,668	3,964,799	65,895,976	22,369,097	1,821,106	154,198	Continental U.S.
5,330,234	5,224,337	105,897	4,487,961	3,632,230	155,042	27,756	New England.
762,112	758,343	3,769	624,686	53,011	12,326	507	Maine.
680,607	678,643	1,963	207,198	514,453	7,921	4,118	New Hampshire.
[1] 811,459	[1] 795,902	[1] 15,558	[1] 545,301	[1] 636,663	[1] 19,209	[1] 4,340	Vermont.
2,158,486	2,085,461	73,025	2,194,464	2,094,556	82,785	15,015	Massachusetts.
(1)	(1)	(1)	(1)	(1)	(1)	(1)	Rhode Island.
917,571	905,988	11,582	916,311	333,547	32,801	3,776	Connecticut.
20,340,795	20,177,114	163,681	18,126,798	3,840,416	540,983	18,836	Middle Atlantic.
10,976,564	10,874,359	102,204	9,337,071	1,531,496	285,089	6,366	New York.
2,990,679	2,978,793	11,886	2,141,050	324,712	85,383	979	New Jersey.
6,373,552	6,323,962	49,591	6,648,678	1,984,208	170,511	11,491	Pennsylvania.
18,106,043	17,031,475	1,074,568	14,894,151	6,652,397	413,047	48,015	East North Central.
4,868,954	4,569,663	299,290	3,996,804	1,188,523	110,417	8,003	Ohio.
2,422,940	2,247,557	175,383	1,439,080	1,473,384	45,461	11,342	Indiana.
5,446,743	5,240,302	206,441	5,241,428	3,127,590	138,552	21,539	Illinois.
3,532,623	3,203,684	328,939	2,901,927	207,036	76,476	1,915	Michigan.
1,834,784	1,770,269	64,515	1,314,912	655,865	42,141	5,216	Wisconsin.
5,357,887	4,825,708	532,179	4,754,347	1,112,598	155,185	10,825	West North Central.
995,182	915,139	80,044	1,001,878	107,543	33,152	1,994	Minnesota.
1,483,096	1,402,843	80,253	740,899	208,597	28,436	2,527	Iowa.
1,214,488	1,132,544	81,945	1,766,384	562,855	47,429	3,334	Missouri.
140,316	133,403	6,913	79,088	14,245	4,749	138	North Dakota.
87,402	67,072	20,330	96,845	13,502	5,521	285	South Dakota.
561,795	489,126	72,669	438,224	100,218	15,262	1,262	Nebraska.
875,607	685,582	190,025	631,029	105,637	20,586	1,285	Kansas.
9,458,694	9,191,866	266,829	6,750,375	2,637,718	161,092	19,141	South Atlantic.
2,231,617	2,211,778	19,839	[2] 2,464,156	[2] 1,070,274	[2] 58,325	[2] 7,513	Delaware. Maryland. Dist. of Columbia.
962,318	912,084	50,234	814,387	81,447	21,812	480	Virginia.
1,442,443	1,442,305	138	(2)	(2)	(2)	(2)	West Virginia.
1,651,235	1,609,387	41,847	1,288,397	922,851	25,030	6,211	North Carolina.
1,294,883	1,293,920	964	763,879	466,152	13,182	3,737	South Carolina.
1,269,290	1,257,166	12,124	958,742	56,615	21,978	745	Georgia.
606,909	465,225	141,683	460,815	40,380	20,765	455	Florida.
2,993,770	2,914,604	79,166	2,890,544	733,803	65,156	5,111	East South Central.
681,947	660,942	21,005	626,734	240,139	19,716	1,520	Kentucky.
1,050,405	1,022,065	28,340	1,054,271	33,670	20,365	260	Tennessee.
1,209,646	1,207,681	1,965	1,010,552	457,405	17,527	3,280	Alabama.
51,773	23,916	27,856	198,988	2,589	7,548	51	Mississippi.
4,308,491	4,111,943	196,548	3,463,757	1,057,048	101,467	7,508	West South Central.
155,020	137,266	17,754	283,022	59,037	9,357	849	Arkansas.
1,171,951	1,125,804	46,087	639,769	518,579	17,053	2,907	Louisiana.
725,488	669,054	56,434	610,265	108,882	19,781	1,103	Oklahoma.
2,256,031	2,179,758	76,273	1,930,701	370,551	55,276	2,649	Texas.
2,346,832	2,266,345	80,487	1,958,421	383,173	52,302	3,032	Mountain.
635,520	635,166	355	[3] 901,460	[3] 16,133	[3] 17,801	[3] 245	Montana.
473,290	458,052	15,238	296,091	211,520	6,202	1,070	Idaho.
74,597	73,581	1,016	62,070	6,705	2,820	180	Wyoming.
437,330	394,157	43,173	345,608	25,414	14,154	411	Colorado.
(4)	(4)	(4)	(4)	(4)	(4)	(4)	New Mexico.
[4] 412,616	[4] 411,461	[4] 1,155	[4] 266,987	[4] 100,200	[4] 8,952	[4] 1,078	Arizona.
275,846	256,495	19,350	(3)	(3)	(3)	(3)	Utah.
37,634	37,433	200	86,205	3,200	2,373	48	Nevada.
11,414,720	9,949,276	1,465,444	8,589,621	2,339,714	176,882	13,974	Pacific.
2,544,767	1,979,090	565,677	1,835,963	535,572	28,904	2,874	Washington.
968,614	929,935	38,679	742,723	78,017	15,712	705	Oregon.
7,901,339	7,040,251	861,088	5,990,934	1,726,125	132,266	10,395	California.

[3] Utah included with Montana.
[4] New Mexico included with Arizona.
Source: Bureau of the Census, Department of Commerce.

No. 370.—CENTRAL ELECTRIC STATIONS, COMMERCIAL AND MUNICIPAL ESTABLISHMENTS: NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE (ULTIMATE CONSUMERS ONLY), BY CLASS OF SERVICE, 1932

Class of service	Total	Commercial	Municipal	Total	Commercial	Municipal
	Number of customers			Current sold (thousands of kilowatt-hours)		
Total	**23,858,411**	**21,630,662**	**2,227,749**	**65,895,976**	**62,147,695**	**3,748,281**
Farm service (all uses)	613,753	592,692	21,061	1,504,257	1,488,106	16,151
Domestic service	19,285,560	17,337,876	1,947,684	11,790,140	10,410,750	1,379,390
Commercial service:						
Small light and power (retail)	3,527,794	3,284,326	243,468	12,059,464	10,793,768	1,265,696
Large light and power (wholesale)	379,402	365,038	14,364	32,380,076	31,931,213	448,863
Municipal street lighting	29,832	28,997	835	2,235,668	1,746,288	489,380
Railroads (motive power):						
Street and interurban	474	454	20	4,392,943	4,348,207	44,736
Electrified steam railroad divisions	367	363	4	762,205	762,115	90
Other service	21,229	20,916	313	771,223	667,248	103,975
	Current sold per customer (kilowatt-hours)			Revenue from electric service (thousands of dollars)		
Total	**2,762**	**2,873**	**1,683**	**1,821,106**	**1,703,304**	**117,802**
Farm service (all uses)	2,451	2,511	767	42,774	41,875	899
Domestic service	611	600	708	649,765	584,995	64,770
Commercial service:						
Small light and power (retail)	3,418	3,286	5,199	491,852	459,441	32,411
Large light and power (wholesale)	85,345	87,474	31,249	483,391	475,739	7,652
Municipal street lighting	74,942	60,223	586,084	92,011	81,795	10,216
Railroads (motive power):						
Street and interurban	9,267,813	9,577,550	2,236,782	38,777	38,297	480
Electrified steam railroad divisions	2,076,852	2,099,491	22,379	7,019	7,016	3
Other service	36,329	31,901	332,187	15,517	14,146	1,371
	Revenue per customer (dollars)			Revenue per kilowatt-hour (cents)		
Total	**76**	**79**	**53**	**2.8**	**2.7**	**3.1**
Farm service (all uses)	70	71	43	2.8	2.8	5.6
Domestic service	34	34	33	5.5	5.6	4.7
Commercial service:						
Small light and power (retail)	139	140	133	4.1	4.3	2.6
Large light and power (wholesale)	1,274	1,303	532	1.5	1.5	1.7
Municipal street lighting	3,084	2,821	12,234	4.1	4.7	2.1
Railroads (motive power):						
Street and interurban	81,808	84,354	24,014	.9	.9	1.1
Electrified steam railroad divisions	19,124	19,326	794	.9	.9	3.5
Other service	731	676	4,381	2.0	2.1	1.3

Source: Bureau of the Census, Department of Commerce.

No. 371.—AVERAGE RETAIL PRICES OF ELECTRICITY FOR HOUSEHOLD USE

[Cents per kilowatt-hour]

December	Net price	December	Net price	December	Net price	December	Net price
1913	8.1	1919	7.5	1925	7.3	1931	6.5
1914	7.8	1920	7.7	1926	7.2	1932	6.5
1915	7.6	1921	7.7	1927	7.1	1933	6.1
1916	7.4	1922	7.5	1928	6.9		
1917	7.2	1923	7.4	1929	6.7		
1918	7.6	1924	7.4	1930	6.6		

Source: Bureau of Labor Statistics, Department of Labor.

No. 372.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars. See headnote to Table 367]

	Commercial establishments						Municipal establishments
	1902	1912	1917	1922	1927	1932	1932
INCOME ACCOUNT							
Income, total	78,736	279,054	486,634	986,684	[1] 1,841,227	[1] 2,030,997	[1] 126,298
Electric service, total	77,350	264,475	462,474	936,852	1,680,218	1,854,110	121,194
Commercial and domestic light and power	57,195	205,974	373,280	773,111	1,424,998	[2] 1,576,197	[3] 107,103
Municipal lighting	16,130	27,131	31,462	40,854	66,141	81,795	10,215
Sales to other public service corporations	4,025	30,857	57,207	122,321	189,079	[4] 196,118	[5] 3,876
Value of free service	(6)	513	525	566	(6)	(6)	(6)
Interest and dividends from investments	(6)	4,869	8,807	16,527	53,959	61,060	692
Other sources	1,386	9,710	15,353	33,305	[1] 107,050	[1] 115,827	[1] 4,412
Expenses, total	62,835	217,660	395,127	792,496	[7] 1,318,255	[7] 1,477,139	[7] 89,217
Fuel	10,190	30,502	78,286	146,323	157,912	102,560	9,823
Current purchased	2,007	16,913	35,733	79,637	143,711	161,121	17,779
Supplies, materials, and miscellaneous	14,751	27,565	48,118	80,492	[7] 121,529	[7] 209,730	[7] 20,908
Rent of offices, conduits, etc	1,272	4,214	9,881	18,626	(8)	(8)	(8)
Salaries and wages	18,767	55,659	86,473	194,148	367,632	303,058	20,822
Taxes	2,655	13,117	29,897	73,128	150,253	203,858	1,292
Injuries, damages, insurance	1,074	3,316	5,145	10,209	(6)	(6)	(6)
Interest	12,119	46,865	71,145	125,596	269,602	354,165	7,193
Depreciation	(6)	17,989	26,292	59,273	107,616	142,647	11,400
Sinking and reserve funds	(6)	1,520	4,157	5,064	(6)	(8)	(8)

[1] Includes net income from utilities other than electric and nonoperating income.
[illegible] for farm service, $41,875,000; domestic service, $584,995,000; small light and power [illegible] large light and power (wholesale), $475,739,000; and other service, $14,146,000.
[illegible] for farm service, $899,000; domestic service, $64,769,000; small light and power (retail), $32,412,000; large light and power (wholesale), $7,652,000; and other service, $1,371,000.
[4] Includes revenue for street and interurban railways, $38,297,000; electrified steam-railroad divisions, $7,015,000; and total for resale, $150,806,000.
[5] Includes revenue for street and interurban railways, $480,000; electrified steam-railroad divisions, $3,000; and total for resale, $3,393,000.
[6] Not called for on schedule.
[7] Includes other deductions from gross income.
[8] No comparable data.

Source: Bureau of the Census, Department of Commerce.

No. 373.—PROPORTION OF "ELECTRIFICATION" OF FACTORY POWER EQUIPMENT

Item	Horsepower (thousands)				
	1914	1923	1925	1927	1929
Combined capacity of prime movers and electric motors using purchased current	22,291	33,094	35,773	38,826	42,931
Electric motors operated by prime movers owned by factories	4,939	8,822	10,255	11,220	12,376
Estimated capacity of prime movers used to actuate these motors	3,550	6,350	7,380	8,070	8,910
Electric motors using purchased current	3,885	13,366	15,869	19,132	22,776
Total last two items, "Electrified" equipment	7,435	19,716	23,249	27,202	31,686
Percent of total power equipment	33	60	65	70	74
Capacity of all prime movers in factories	18,406	19,729	19,904	19,693	20,155

Source: Basic figures from Bureau of the Census.

No. 374.—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 given in terms of the capacity of installed water wheels or turbines, but are comparable with those for 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, 1925	January, 1930	January, 1931	January, 1932	January, 1933	January, 1934	90 per cent of the time	50 per cent of the time
Continental U. S.	**7,927**	**10,048**	**13,808**	**14,885**	**15,563**	**15,818**	**15,913**	**38,110**	**59,186**
New England	**1,311**	**1,399**	**1,643**	**1,898**	**1,939**	**1,947**	**2,004**	**998**	**1,978**
Maine	450	477	541	579	613	613	613	536	1,074
New Hampshire	229	243	278	553	559	559	572	186	350
Vermont	130	168	260	202	202	202	192	80	169
Massachusetts	338	344	362	362	362	368	423	106	235
Rhode Island	30	30	30	30	30	30	29	25	40
Connecticut	134	136	172	171	172	174	175	65	110
Middle Atlantic	**1,479**	**1,958**	**2,113**	**2,212**	**2,302**	**2,396**	**2,421**	**4,373**	**6,050**
New York	1,292	1,714	1,805	1,904	1,892	1,900	1,885	4,010	4,960
New Jersey	17	19	18	18	17	17	17	50	90
Pennsylvania	170	226	291	291	392	478	520	313	1,000
East North Central	**739**	**885**	**1,075**	**1,092**	**1,103**	**1,139**	**1,186**	**742**	**1,428**
Ohio	29	30	30	25	21	22	23	55	166
Indiana	27	51	55	54	54	55	55	45	145
Illinois	85	87	95	96	94	94	88	189	301
Michigan	267	305	379	399	414	444	464	168	274
Wisconsin	331	413	517	519	520	524	555	285	480
West North Central	**444**	**515**	**551**	**567**	**765**	**787**	**762**	**929**	**1,937**
Minnesota	205	263	287	286	287	287	287	203	401
Iowa	173	177	181	182	182	184	183	169	395
Missouri	18	20	23	37	235	235	235	67	152
North Dakota	(1)	(1)	(1)	(1)	(1)	(1)	(1)	82	193
South Dakota	18	19	19	20	20	20	20	121	203
Nebraska	15	21	24	25	24	24	24	183	342
Kansas	15	14	16	16	16	16	13	104	251
South Atlantic	**1,082**	**1,594**	**2,657**	**2,918**	**2,968**	**2,979**	**3,036**	**2,924**	**5,048**
Delaware	3	3	1	1	1	1	1	5	.10
Maryland	7	7	416	416	416	416	409	106	238
Dist. of Columbia	1	1	6	6	6	6	6		
Virginia	104	118	126	135	153	155	152	459	812
West Virginia	15	15	89	87	87	87	87	355	980
North Carolina	330	535	947	954	961	971	971	852	1,160
South Carolina	330	507	574	816	810	810	811	555	860
Georgia	286	400	473	482	512	512	[2] 578	572	958
Florida	7	9	25	22	21	21	20	20	30
East South Central	**241**	**392**	**1,169**	**1,364**	**1,364**	**1,364**	**1,298**	**1,328**	**2,272**
Kentucky	1	1	145	145	145	145	145	172	280
Tennessee	127	166	179	288	288	288	288	654	882
Alabama	113	224	845	931	931	931	[2] 865	472	1,050
Mississippi								30	60
West South Central	**16**	**31**	**49**	**49**	**134**	**150**	**150**	**559**	**1,110**
Arkansas	1	16	16	16	95	95	95	200	300
Louisiana								1	2
Oklahoma	2	2	3	3	3	2	2	70	194
Texas	13	14	31	31	37	53	53	288	614
Mountain	**827**	**937**	**1,185**	**1,217**	**1,216**	**1,212**	**1,209**	**10,844**	**15,552**
Montana	344	360	419	429	428	429	428	2,550	3,700
Idaho	224	299	358	357	355	348	348	2,122	4,032
Wyoming	8	8	19	25	25	23	23	704	1,182
Colorado	92	91	98	98	98	102	101	873	1,609
New Mexico	1	1	2	2	1	2	2	116	186
Arizona	39	49	120	137	137	137	137	2,759	2,887
Utah	106	115	156	157	158	158	156	1,420	1,586
Nevada	13	14	14	14	14	14	14	300	370
Pacific	**1,789**	**2,336**	**3,365**	**3,568**	**3,772**	**3,865**	**3,848**	**15,413**	**23,793**
Washington	454	561	766	892	1,011	1,053	1,037	7,145	11,225
Oregon	185	244	299	354	354	364	364	3,665	5,894
California	1,149	1,531	2,301	2,321	2,407	2,448	2,447	4,603	6,674
Outlying areas:									
Alaska		40	36	36	36	37	[3] 37	1,000	2,500
Hawaii		25	[4] 32	[4] 32	[4] 32	26	26	19	28
Puerto Rico		15	[5] 15	30	[6] 30	[6] 30	[6] 30	100	200

[1] Less than 500. [2] Bartletts Ferry plant changed from Alabama to Georgia. [3] Capacity in 1933. [4] Capacity in 1928. [5] Capacity in 1925. [6] Capacity in 1931.

Source: Geological Survey, Department of the Interior.

19.—PUBLIC ROADS AND MOTOR VEHICLES

No. 375.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921 and 1926 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. Data in most cases refer to calendar years; there are, however, exceptions in some States. Data relate to continental United States only, except as noted

Item	1921	1926	1929	1930	1931 [1]	1932 [1]
Total mileage at end of year:						
All types	2,941,294	3,000,190	3,024,233	3,009,066	----------	----------
Earth roads	2,553,534	2,450,126	2,361,798	2,315,507	----------	----------
Surfaced roads	387,760	550,064	662,435	693,559	----------	----------
Low type [2]	340,583	467,077	549,981	567,851	----------	----------
High type [2]	[3] 47,177	82,987	112,454	125,708	----------	----------
Total mileage built during year:						
All types	110,976	116,413	78,003	87,717	----------	----------
Earth roads (graded and drained)	[4] 69,804	60,059	23,128	24,370	----------	----------
Surfaced roads [5]	41,172	56,354	54,875	63,347	----------	----------
Low type [2]	33,083	46,746	42,548	48,397	----------	----------
High type [2]	[6] 8,089	9,608	12,327	14,950	----------	----------
Mileage of State highway systems at end of year: [7]						
All types	----------	287,928	314,136	324,496	328,942	358,210
Earth roads	----------	124,869	105,812	98,275	86,242	92,150
Surfaced roads	----------	163,059	208,324	226,221	242,700	266,060
Low type [2]	----------	109,110	133,211	142,109	146,359	156,325
High type [2]	----------	53,949	75,113	84,112	96,341	109,735
Mileage of State highway systems built during year: [7]						
All types	----------	27,387	32,522	35,277	[8] 44,634	35,971
and drained)	----------	7,060	7,451	7,813	10,095	6,394
	----------	20,327	25,071	27,464	34,539	29,577
	----------	14,199	16,224	16,677	22,026	19,568
High type [2]	----------	6,128	8,847	10,787	12,513	10,009
Funds available for rural road purposes during year, all authorities (1,000 dollars):						
Total [8]	[9] 1,109,896	1,640,451	2,042,400	2,302,646	----------	----------
Motor vehicle fe	119,915	436,449	687,730	862,933	----------	----------
Other taxes and	415,747	491,194	560,908	537,951	----------	----------
Proceeds of bonds	434,573	272,422	271,864	316,973	----------	----------
Federal aid [10]	77,457	79,163	77,573	92,463	----------	----------
All other sources	[9] 62,205	361,224	444,324	492,326	----------	----------
Disbursements for rural roads and bridges (1,000 dollars):						
All roads, by all authorities [8]	1,027,493	1,276,698	1,615,519	1,885,851	----------	----------
Construction	622,172	621,893	813,982	1,009,712	----------	----------
Maintenance	250,559	338,853	433,538	475,912	----------	----------
Principal and interest of bonds	90,293	213,325	272,529	315,354	----------	----------
Equipment and miscellaneous	64,468	102,627	95,470	84,872	----------	----------
By or under supervision of State highway departments, incl. Federal aid [11]	397,484	621,744	910,485	1,139,677	1,091,009	955,446
Highway construction under Federal aid, status at end of year: [12]						
Completed mileage	----------	56,717	82,330	88,945	99,777	104,562
Projects under construction—						
Miles	----------	14,581	8,735	9,089	8,672	13,349
Total cost (1,000 dollars)	----------	365,730	217,013	233,397	216,850	250,978
Federal aid (1,000 dollars)	----------	151,490	89,219	99,573	98,080	98,257
Projects approved for construction—						
Miles	1,839	1,575	1,400	2,875	1,910	2,682
Total cost	48,609	40,299	29,340	60,394	35,473	45,085
Federal aid	19,262	13,921	9,942	25,531	15,134	13,314
Federal-aid fu						
projects (1,000 dollars)	----------	113,070	99,881	144,726	113,879	20,294

[1] Data for local roads not available.
[2] Low type includes sand-clay, gravel, and waterbound macadam; high type includes bituminous macadam, bituminous c nd cement concrete, and block pavements.
[3] Includes 11,303 m
[4] Includes mileage
[5]
[6]
[7] 1921.
[8] Excludes funds transferred.
[9] Excludes balance on hand at beginning of year; not reported in 1921.
[10] For road and bridge purposes under supervision of State highway department only.
[11] Includes fu units.
[12] Includes d 1926 for all items except those for
which include For 1933 data regarding Federal
works road construction in 1933, see Table 380.

Source: Bureau of Public Roads, Department of Agriculture.

No. 376.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Data include all rural roads. In some cases variations in mileage from that of the previous year shown are partly because of more accurate survey of road mileage. Data in most cases relate to December 31; there are, however, some exceptions. Data for local roads for 1931 and 1932 are not available. For mileage of State highway systems as of Dec. 31, 1931, and 1932, see Table 377

Division and State	All types			Surfaced roads						
	1914	1921	1930	1914	1921	1926	1927	1928	1929	1930
Continental U. S.	2,445,761	2,941,294	3,009,066	257,292	387,760	550,064	588,721	626,137	662,435	693,559
New England	86,718	83,295	83,744	18,038	17,725	23,614	24,631	25,919	27,465	28,848
Maine	23,537	21,483	20,882	2,762	2,953	4,429	4,832	5,293	5,777	6,227
New Hampshire	14,020	13,841	12,034	1,660	1,692	2,218	2,391	2,546	2,784	3,060
Vermont	14,249	14,677	15,031	1,442	3,545	4,490	4,691	4,857	4,983	5,075
Massachusetts	18,681	18,868	18,802	8,506	6,575	8,280	8,485	8,783	9,324	9,682
Rhode Island	2,170	2,274	2,739	693	754	876	853	990	1,025	1,092
Connecticut	14,061	12,152	14,256	2,975	2,206	3,321	3,379	3,450	3,572	3,712
Middle Atlantic	185,771	186,935	190,635	31,516	38,946	58,298	62,071	64,748	67,935	70,801
New York	79,398	81,878	82,375	15,636	18,566	26,957	29,481	31,113	32,713	34,278
New Jersey	14,817	14,066	17,393	5,897	6,459	7,836	8,057	8,734	9,077	9,442
Pennsylvania	91,556	90,991	90,867	9,983	13,921	23,505	24,533	24,901	26,145	27,081
East North Central	405,245	412,753	419,051	84,985	104,999	159,950	169,894	180,[illegible]	1[illegible]	[illegible]
Ohio	86,354	84,219	85,106	[illegible]						
Indiana	73,347	76,246	73,768	30,302	39,501	48,440	50,254	50,950	51,314	52,034
Illinois	95,647	96,326	97,287	11,606	11,473	16,928	18,118	20,032	21,375	22,815
Michigan	74,190	77,283	81,106	7,829	17,186	21,698	22,493	24,167	25,143	26,281
Wisconsin	75,707	78,679	81,784	13,399	19,714	23,426	25,792	26,771	27,815	29,632
West North Central	650,058	759,820	777,793	14,968	30,223	61,503	69,989	78,762	87,384	96,166
Minnesota	93,517	107,103	110,661	3,968	16,905	30,011	32,399	34,223	35,501	37,217
Iowa	104,074	104,082	103,328	615	2,585	9,284	11,811	15,191	18,021	20,088
Missouri	96,041	111,520	110,540	6,713	7,879	11,043	11,739	12,319	13,074	14,326
North Dakota	68,796	106,523	106,846	955	710	1,874	2,366	2,953	3,592	4,026
South Dakota	96,306	115,485	120,271	363	548	3,510	4,087	4,840	6,147	7,096
Nebraska	80,272	86,556	93,907	1,205	496	3,273	3,979	4,651	5,364	6,386
Kansas	111,052	128,551	132,240	1,149	1,100	2,508	3,608	4,585	5,685	7,027
South Atlantic	297,193	365,567	357,554	32,154	61,178	82,282	89,541	95,384	100,840	96,514
Delaware	3,674	3,933	3,779	244	448	884	927	1,094	1,180	1,258
Maryland	16,459	14,772	14,847	2,489	3,663	4,640	5,307	5,493	5,704	6,308
Virginia	53,388	59,080	59,957	3,910	7,260	10,542	11,192	11,997	12,327	12,581
West Virginia	32,024	35,173	34,799	1,055	1,367	3,037	3,713	3,917	4,450	5,292
North Carolina	50,758	68,204	53,796	6,004	16,755	26,885	27,811	28,345	29,649	21,956
South Carolina	42,226	61,850	57,726	3,270	6,908	12,475	13,841	16,648	17,576	18,802
Georgia	80,669	94,912	102,284	12,342	18,339	11,416	13,015	13,972	14,831	14,922
Florida	17,995	27,643	30,366	2,830	6,438	12,403	13,735	14,018	15,123	15,395
East South Central	205,191	242,745	259,078	27,626	41,478	55,274	58,931	61,187	66,695	73,406
Kentucky	57,916	68,704	61,261	12,403	15,436	15,236	15,619	16,130	17,030	17,654
Tennessee	46,050	62,546	67,953	3,102	9,878	11,238	12,521	13,538	15,184	18,018
Alabama	55,446	58,410	67,907	4,988	10,420	17,514	18,204	17,370	18,369	19,784
Mississippi	45,779	53,085	61,957	2,133	5,744	11,286	12,587	14,149	16,112	17,950
West South Central	312,182	416,617	413,320	13,815	23,986	40,285	42,187	46,436	49,896	52,818
Arkansas	50,743	74,866	68,849	1,098	3,871	5,981	6,269	6,779	7,958	8,884
Louisiana	24,563	39,803	35,553	2,068	2,771	8,607	9,501	10,731	11,152	12,203
Oklahoma	107,916	[1] 134,263	120,879	122	2,461	2,930	3,300	3,711	4,774	5,307
Texas	128,960	167,685	188,539	10,527	14,883	22,677	23,117	25,215	26,012	26,424
Mountain	163,117	306,382	334,929	4,881	15,539	25,827	28,574	32,010	33,848	36,960
Montana	39,204	64,732	67,072	609	1,772	2,508	2,799	3,178	3,437	3,870
Idaho	24,396	31,099	39,825	679	2,982	6,961	7,940	8,487	8,884	9,766
Wyoming	14,797	46,528	41,233	468	440	1,284	1,361	1,604	1,760	1,987
Colorado	39,780	48,143	68,974	1,194	4,598	5,997	6,383	6,952	7,157	7,588
New Mexico	11,873	45,549	47,776	262	1,802	1,954	2,144	2,361	2,539	3,014
Arizona	12,075	21,227	22,818	253	1,233	3,070	3,150	3,421	3,597	3,840
Utah	8,810	23,047	23,655	1,154	2,544	2,600	3,001	3,996	4,237	4,451
Nevada	12,182	26,057	23,576	262	168	1,453	1,796	2,011	2,237	2,444
Pacific	140,286	167,180	172,462	19,928	34,387	49,126	52,135	53,481	54,222	56,448
Washington	42,428	45,816	43,881	4,922	12,062	16,483	16,655	16,406	16,718	16,870
Oregon	36,819	45,475	51,617	4,726	8,050	11,578	11,815	11,995	12,123	13,931
California	61,039	75,889	76,964	10,280	14,275	21,065	23,665	25,080	25,381	25,647

[1] 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. 377.—STATE HIGHWAY SYSTEMS: MILEAGE AS OF DECEMBER 31, 1931 AND 1932, AND MILEAGE SURFACED DURING 1931 AND 1932

Division and State	Existing mileage, end of year							Mileage surfaced during—		
	Total, all types, 1931	Surfaced roads, 1931	Total, all types, 1932	Earth roads, 1932	Surfaced roads, 1932			1931, total [2]	1932	
					Total	Low type [1]	High type [1]		Total [2]	On earth roads
Cont'l. U. S.	328,942	242,700	358,210	92,150	266,060	156,325	109,735	34,539	29,577	17,661
New England	10,764	10,089	11,047	601	10,446	5,972	4,474	884	684	326
Maine	2,032	1,933	2,050	67	1,983	1,529	454	174	140	40
New Hampshire	2,683	2,647	2,862	36	2,826	2,389	437	180	238	179
Vermont	[3] 1,013	1,013	1,013	-------	1,013	485	528	177	94	-------
Massachusetts	1,699	1,699	1,761	-------	1,761	217	1,544	169	127	42
Rhode Island	1,046	603	1,070	449	621	128	493	59	20	17
Connecticut	2,291	2,194	2,291	49	2,242	1,224	1,018	116	65	48
Middle Atlantic	29,440	24,358	49,844	17,080	32,764	12,364	20,400	2,386	4,662	3,699
New York	14,000	11,685	13,947	1,960	11,987	1,271	10,716	1,160	1,163	336
New Jersey	1,877	1,680	1,877	168	1,709	117	1,592	135	41	30
Pennsylvania	13,563	10,993	34,020	14,952	19,068	10,976	8,092	1,091	3,458	3,333
East North Central	47,122	43,545	48,876	2,195	46,681	19,141	27,540	3,907	4,146	1,887
Ohio	11,559	11,470	11,759	98	11,661	5,320	6,341	627	977	18
Indiana	6,972	6,771	8,378	210	8,168	3,994	4,174	421	563	182
Illinois	10,080	8,361	10,099	1,109	8,990	11	8,979	711	684	642
Michigan	8,293	7,620	8,422	578	7,844	3,936	3,908	648	817	246
Wisconsin	10,218	9,323	10,218	200	10,018	5,880	4,138	1,500	1,105	799
West North Central	56,623	40,648	57,924	12,931	44,993	32,521	12,472	11,374	7,632	5,397
Minnesota	6,867	6,767	6,772	66	6,706	4,299	2,407	2,426	1,234	970
Iowa	8,312	7,344	8,373	588	7,785	3,410	4,375	817	695	439
Missouri	9,167	7,583	10,487	1,308	9,179	5,648	3,531	2,049	1,929	1,580
North Dakota	7,586	4,064	7,591	2,772	4,819	4,798	21	1,104	1,067	815
South Dakota	5,957	4,452	5,967	1,237	4,730	4,565	165	467	466	257
Nebraska	9,752	5,632	9,752	3,290	6,462	5,851	611	1,190	1,269	830
Kansas	8,982	4,806	8,982	3,670	5,312	3,950	1,362	3,321	972	506
South Atlantic	47,812	36,422	49,703	11,288	38,435	22,316	16,119	4,067	3,141	1,841
Delaware	876	872	944	22	922	96	826	71	50	50
Maryland	3,412	3,412	3,644	-------	3,644	1,776	1,868	187	236	232
[illegible]	8,032	6,194	8,154	1,805	6,349	4,742	1,607	620	239	165
[illegible]	4,315	3,275	4,380	912	3,468	1,488	1,980	894	347	188
[illegible]	9,752	8,400	10,033	1,124	8,909	4,586	4,323	681	442	125
[illegible]	5,956	5,336	5,939	378	5,561	3,191	2,370	964	717	316
Georgia	7,131	4,067	8,264	3,740	4,524	2,777	1,747	376	[4] 861	[4] 526
Florida	8,338	4,866	8,345	3,287	5,058	3,660	1,398	274	249	239
East South Central	24,629	20,328	25,691	4,411	21,280	15,827	5,453	1,680	1,068	765
Kentucky	[5] 5,950	5,198	6,842	1,278	5,564	3,937	1,627	787	548	366
Tennessee	7,053	5,897	7,226	784	6,442	4,191	2,251	346	[4] 323	[4] 286
Alabama	*5,548*	*3,990*	*5,553*	*1,502*	*4,051*	*3,002*	*1,049*	*479*	*149*	*113*
Mississippi	6,078	5,243	6,070	847	5,223	4,697	526	68	43	-------
West South Central	51,590	33,432	52,926	16,824	36,102	20,053	16,049	4,369	3,737	2,237
Arkansas	8,705	7,283	9,020	1,540	7,480	5,478	2,002	823	5	-------
Louisiana	17,167	10,521	17,505	6,028	11,477	9,436	2,041	1,910	1,426	571
Oklahoma	6,850	4,043	7,159	2,716	4,443	2,543	1,900	617	312	284
Texas	18,868	11,585	19,242	6,540	12,702	2,596	10,106	1,019	1,994	1,382
Mountain	45,346	21,560	46,567	23,778	22,789	21,203	1,586	3,694	3,165	1,172
Montana	8,148	2,646	8,177	5,219	2,958	2,899	59	886	811	312
Idaho	4,788	3,172	4,812	1,507	3,245	3,003	242	454	271	125
Wyoming	3,231	1,971	3,389	1,099	2,290	2,255	35	321	318	318
Colorado	9,255	4,650	9,136	4,466	4,670	4,203	467	391	440	51
New Mexico	9,272	2,806	10,254	7,250	3,004	2,898	106	396	215	16
Arizona	2,747	1,974	2,895	818	2,077	1,843	234	118	116	110
Utah	4,108	2,413	4,122	1,575	2,547	2,183	364	604	450	123
Nevada	3,797	1,838	3,782	1,784	1,998	1,919	79	524	544	117
Pacific	15,616	12,318	15,632	3,062	12,570	6,928	5,642	2,178	1,347	337
Washington	3,759	3,373	3,711	204	3,447	2,430	1,017	1,372	648	122
Oregon	4,468	3,765	4,574	728	3,846	2,355	1,491	362	287	84
California	7,389	5,180	7,347	2,070	5,277	2,143	3,134	444	412	131

[1] Low type includes sand-clay, gravel, and water-bound macadam; high type includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements.

[2] Inclu

[3] New State-aid system.

[4] Figur 1932.

[5] Exclu but not actually designated; included in previous reports.

Source: Bureau of Public Roads, Department of Agriculture.

No. 378.—DISBURSEMENTS FOR RURAL HIGHWAYS UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

NOTE.—Figures include disbursements, whether from current revenues or the proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, and transfers to local units

Division and State	Year in which first State aid law passed	1921	1925	1926	1927	1928	1929	1930	1931	1932
		Thousands of dollars								
Cont'l U.S.		397,484	649,125	621,744	707,179	830,265	910,485	1,139,677	1,091,009	955,446
New England		25,910	39,289	45,178	51,735	60,878	73,425	76,418	74,095	79,341
Maine	1901	6,524	7,105	10,279	8,684	12,118	14,006	17,184	18,442	16,243
N. Hampshire	1903	2,360	4,027	3,017	3,565	5,553	[1] 7,713	9,640	8,489	7,112
Vermont	1898	951	3,618	3,713	4,080	5,762	12,516	9,013	6,999	6,177
Mass'setts	1892	7,864	12,881	13,794	18,380	16,478	20,180	21,926	28,324	29,596
Rhode Island	1902	2,213	3,046	3,871	4,242	4,548	5,412	3,367	6,188	4,768
Connecticut	1895	5,998	8,612	10,504	12,784	16,419	13,598	15,288	[2] 5,653	15,445
Middle Atlantic		101,475	135,603	117,072	136,625	153,247	171,495	216,236	192,315	172,429
New York	1898	36,855	49,369	41,781	58,798	62,503	69,664	73,233	73,924	54,285
New Jersey	1891	15,608	23,939	24,378	27,763	32,479	41,397	47,414	52,860	49,197
Pennsylvania	1903	49,012	62,294	50,913	50,064	58,265	60,434	95,589	65,531	68,947
E. N. Central		68,512	118,903	104,321	114,016	160,563	160,363	190,673	153,465	166,894
Ohio	1904	15,547	24,086	29,496	25,518	33,953	30,281	47,491	34,161	36,703
Indiana	1917	8,110	14,518	12,429	14,798	16,544	20,678	22,569	20,771	23,183
Illinois	1905	15,693	36,376	24,267	30,270	53,472	39,728	48,854	42,622	45,092
Michigan	1905	16,744	36,139	25,998	25,883	36,578	48,666	46,136	36,540	36,211
Wisconsin	1911	12,417	7,785	12,131	17,547	20,017	21,010	25,623	19,371	25,705
W. N. Central		41,087	84,876	88,723	101,852	104,993	123,547	171,732	167,043	131,290
Minnesota	1905	7,480	17,963	17,979	17,837	18,412	23,366	39,365	36,578	36,959
Iowa	1904	18,276	14,108	15,272	24,077	37,255	36,084	50,607	36,827	23,738
Missouri	1907	4,727	31,594	30,841	25,996	18,981	28,321	43,921	42,841	37,335
North Dakota	1909	1,030	1,862	1,978	4,567	3,564	4,129	3,992	6,957	5,084
South Dakota	1911	4,738	6,378	5,843	4,862	5,893	6,168	5,915	12,674	5,413
Nebraska	1911	4,836	5,564	7,639	8,004	6,984	8,467	11,087	13,718	10,057
Kansas	1911	----	7,407	9,171	16,509	13,904	17,012	16,845	17,448	12,704
South Atlantic		51,181	103,836	113,651	133,328	121,189	113,712	139,904	154,397	123,176
Delaware	1903	3,765	3,493	3,469	3,480	3,377	5,208	8,492	4,426	3,386
Maryland	1898	7,616	12,025	10,598	[3] 10,598	10,668	13,617	17,992	16,152	15,950
Virginia	1906	7,114	14,072	12,014	14,714	14,448	14,214	19,180	22,022	17,640
West Virginia	1909	1,877	16,139	17,492	19,311	16,224	19,184	23,308	24,385	20,070
N. Carolina	1901	15,100	32,589	37,216	33,144	28,301	24,902	25,613	26,193	22,516
S. Carolina	1917	3,941	9,133	9,640	13,410	21,099	18,581	22,753	31,681	15,328
Georgia	1908	9,664	7,902	9,565	15,114	12,728	7,039	12,699	17,468	20,756
Florida	1915	2,103	8,484	13,657	23,557	14,343	10,967	9,858	12,070	7,530
E. S. Central		16,621	45,008	38,845	44,734	60,329	68,942	92,737	86,158	57,533
Kentucky	1912	5,757	14,916	9,820	11,484	[4] 14,766	15,130	19,497	23,552	20,174
Tennessee	1915	6,328	14,379	14,037	16,003	19,172	29,741	53,278	41,209	25,405
Alabama	1911	1,036	10,917	10,290	10,766	20,110	19,317	15,373	14,523	7,195
Mississippi	1915	3,500	4,795	4,698	6,481	6,281	4,754	4,589	6,874	4,759
W. S. Central		26,897	52,733	50,205	58,119	84,901	104,613	136,738	133,535	101,960
Arkansas	1913	----	11,200	9,563	14,532	31,784	40,971	39,821	26,291	8,108
Louisiana	1910	5,347	8,611	10,563	10,753	11,157	17,143	29,357	50,033	38,852
Oklahoma	1911	4,775	12,938	10,420	12,816	13,251	11,969	20,228	15,047	12,144
Texas	1917	16,775	19,985	19,659	20,018	28,710	34,530	47,332	42,164	42,796
Mountain		27,463	27,387	23,810	27,318	35,039	37,008	47,023	58,372	50,136
Montana	1913	3,640	1,267	1,155	1,541	3,863	4,488	6,378	7,173	8,502
Idaho	1905	4,863	3,637	4,191	3,847	5,413	3,365	6,637	7,717	6,592
Wyoming	1911	3,446	3,973	2,974	2,873	3,600	3,123	3,590	7,097	5,151
Colorado	1909	4,156	5,565	5,850	5,232	6,957	7,142	8,144	11,862	6,796
New Mexico	1909	3,713	3,323	2,928	5,089	6,603	6,675	9,138	8,762	5,718
Arizona	1909	2,948	2,443	2,565	2,608	2,443	4,873	5,233	7,242	7,041
Utah	1909	3,107	4,124	2,448	3,929	3,992	4,545	5,193	6,824	6,037
Nevada	1911	1,590	3,056	1,699	2,199	2,167	2,797	2,710	[5] 1,695	4,290
Pacific		38,339	41,490	39,938	39,450	49,126	57,382	68,215	71,632	72,685
Washington	1905	9,696	7,846	8,825	8,628	13,893	15,702	15,806	17,681	19,494
Oregon	1913	17,828	15,553	10,018	10,263	10,268	11,328	14,668	17,136	13,188
California	1895	10,815	18,091	21,095	20,559	24,965	30,352	37,741	36,815	40,003

[1] Excludes expenditures of $2,462,000 for flood relief work.
[2] Data cover 6 months, Jan. 1 to June 30, as fiscal year was changed.
[3] Data are for 1926.
[4] Data cover 9 months, July 1, 1928, to Mar. 31, 1929, as fiscal year was changed.
[5] Data cover 7 months, Dec. 1, 1930, to June 30, 1931, as fiscal year was changed.

Source: Bureau of Public Roads, Department of Agriculture.

No. 379.—FUNDS AVAILABLE AND DISTRIBUTION OF DISBURSEMENTS FOR STATE HIGHWAY PURPOSES, 1932

[In thousands of dollars]

Division and State	Funds available					Distribution of disbursements				
	Total	Motor-vehicle fees and gasoline taxes	Federal aid receipts [1]	Proceeds of bonds and notes	All other sources [2]	Total	New and reconstructed roads and bridges	Maintenance roads and bridges	Principal and interest on highway bonds	Equipment and miscellaneous [3]
Cont'l. U. S.	1,173,576	574,689	136,857	104,650	357,380	955,446	551,446	169,479	123,672	110,849
New England	92,462	52,969	8,189	5,545	25,760	79,341	38,497	16,863	4,698	19,883
Maine	16,994	3,895	1,564	4,545	6,990	16,243	7,253	1,946	1,813	5,231
N. Hampshire	7,874	4,514	596	1,000	1,765	7,112	3,169	2,688	786	469
Vermont	7,124	4,307	874		1,942	6,177	3,243	1,308	685	941
Massachusetts	35,980	23,220	2,210		10,551	29,596	11,731	6,487	495	10,883
Rhode Island	5,534	4,119	1,376		39	4,768	2,875	934	319	640
Connecticut	18,956	12,914	1,569		4,473	15,445	10,226	3,500		1,719
Middle Atlantic	268,942	94,353	19,054	18,219	137,316	172,429	93,563	27,134	22,454	29,278
New York	111,351	22,417	11,402	3,137	74,395	54,285	36,009	9,714	5,820	2,052
New Jersey	71,017	18,175	3,121	15,082	34,639	49,197	25,447	2,216	9,894	11,640
Pennsylvania	86,574	53,761	4,531		28,282	68,947	31,417	15,204	6,740	15,586
E. N. Central	201,786	114,885	25,971	1,984	58,945	166,894	110,959	33,528	12,445	9,963
Ohio	39,549	23,981	5,736		9,832	36,703	21,773	13,366		1,564
Indiana	29,778	18,349	4,009		7,420	23,183	15,973	4,224		2,986
Illinois	58,907	35,493	4,888	1,984	16,542	45,092	27,466	4,187	8,363	5,077
Michigan	41,088	27,121	6,575		7,392	36,211	25,505	6,325	4,082	299
Wisconsin	32,464	9,941	4,763		17,759	25,705	20,242	5,426		37
W. N. Central	150,104	74,624	18,229	29,341	27,912	131,290	87,059	20,383	14,460	9,390
Minnesota	40,888	16,849	4,457	10,016	9,566	36,959	25,189	5,688	3,391	2,691
Iowa	26,822	16,481	2,890	1,618	5,834	23,738	14,531	2,615	6,150	443
Missouri	45,449	19,118	2,415	17,707	6,210	37,335	26,051	3,563	4,919	2,801
North Dakota	5,261	2,134	1,815		1,312	5,084	3,039	1,134		911
South Dakota	5,641	3,513	1,687		441	5,413	3,338	1,470		606
Nebraska	10,577	7,300	2,313		964	10,057	6,804	3,035		219
Kansas	15,466	9,229	2,652		3,585	12,704	8,107	2,878		1,719
South Atlantic	141,398	81,141	16,272	12,301	31,683	123,176	59,067	21,267	26,051	16,795
Delaware	4,415	2,181	823	1,005	405	3,386	2,378	254	551	203
Maryland	18,224	9,345	507	1,046	7,325	15,950	10,648	2,235	2,528	540
Virginia	20,327	14,364	2,838		3,126	17,640	9,138	6,631	1,255	616
West Virginia	23,248	8,535	857	5,250	8,606	20,070	8,984	3,017	7,657	412
N. Carolina	25,872	20,493	3,674		1,705	22,516	2,728	3,611	7,960	8,218
S. Carolina	18,761	7,462	1,694	5,000	4,605	15,328	3,158	1,214	6,100	4,857
Georgia	22,487	12,480	5,276		4,731	20,756	17,402	2,132		1,223
Florida	8,064	6,281	603		1,180	7,530	4,631	2,173		726
E. S. Central	66,976	31,622	6,389	9,000	19,965	57,533	23,855	9,831	18,319	5,530
Kentucky	20,892	11,530	2,174		7,188	20,174	13,491	4,163	1,049	1,471
Tennessee	33,714	10,106	2,367	9,000	12,241	25,405	6,279	1,941	13,828	3,358
Alabama	7,414	6,811	1,089		[4] 486	7,195	1,574	1,753	3,442	427
Mississippi	4,956	3,175	759		1,022	4,759	2,511	1,974		274
W. S. Central	115,809	52,410	12,234	24,559	26,605	101,960	58,028	17,474	13,460	12,999
Arkansas	6,048	6,168	381		[4] 502	8,168	605	835	6,346	383
Louisiana	41,737	11,404	2,492	24,559	3,282	38,852	20,172	3,685	7,114	7,881
Oklahoma	13,760	9,853	496		3,410	12,144	9,151	2,414		579
Texas	54,264	24,985	8,865		20,415	42,796	28,100	10,540		4,156
Mountain	52,408	22,376	19,184	2,700	8,148	50,136	33,734	10,489	3,610	2,305
Montana	8,541	2,733	4,244	1,500	64	8,502	6,653	1,350	56	442
Idaho	6,698	2,734	1,474		2,489	6,592	3,991	1,488	586	528
Wyoming	5,287	1,730	1,926		1,632	5,151	3,806	911	358	77
Colorado	8,152	4,698	2,103		1,351	6,796	4,605	1,460	489	243
New Mexico	6,241	2,619	1,686	1,000	936	5,718	2,479	1,795	1,227	217
Arizona	7,102	2,962	3,555		585	7,041	5,302	1,300		438
Utah	6,314	3,736	1,432		1,146	6,037	3,414	1,559	738	327
Nevada	4,073	1,164	2,764	200	[4] 55	4,299	3,484	626	156	33
Pacific	83,694	50,309	11,336	1,001	21,048	72,685	46,688	12,515	8,776	4,706
Washington	19,494	16,487	2,427		580	19,494	12,198	3,229		4,068
Oregon	14,480	9,035	1,703	1,001	2,741	13,188	6,506	2,124	4,345	214
California	49,720	24,787	7,206		17,727	40,003	27,984	7,162	4,431	426

[1] Includes [illegible] funds received from the $80,000,000 emergency advance fund of 1930 and [illegible] uction fund of 1932.

[2] [illegible] s year, transfers from local units, and miscellaneous revenue.

[3] Includes transfers to local units.

[4] Deficit.

Source: Bureau of Public Roads, Department of Agriculture.

No. 380.—FEDERAL AID AND PUBLIC WORKS ROAD CONSTRUCTION: STATUS AS OF DECEMBER 31, 1933

[All figures, except mileage data, in thousands of dollars]

Division and State	Federal aid road construction						Public works road construction [1]						
	Mileage completed prior to Jan. 1, 1934	Projects under construction [2]			Federal aid allotted to public works projects	Federal aid funds available for new projects	Total allotment of public works funds	Mileage completed prior to Jan. 1, 1934	Projects under construction [3]				Public works funds available for new projects
		Total cost	Federal aid allotted	Mileage					Total cost	Public works funds allotted	Federal aid funds allotted	Mileage	
Grand total [4]	118,176	66,174	26,724	2,669	8,821	3,956	394,000	1,536	159,575	147,264	5,561	10,504	142,212
New England	3,312	4,494	1,358	46	578	111	18,610	85	9,313	8,908	309	259	5,119
Maine	889	143	23	(5)	------	7	3,370	71	1,822	1,742	------	72	677
N. Hampshire	458	262	106	6	------	9	1,910	------	1,207	1,206	------	37	455
Vermont	420	64	5	3	------	1	1,868	7	1,146	1,131	------	61	339
Massachusetts	917	1,336	180	22	402	21	6,597	6	3,302	2,993	309	56	2,963
Rhode Island	299	20	10	------	------	66	1,999	1	1,038	1,038	------	22	536
Connecticut	329	2,669	1,034	15	176	7	2,866	------	738	738	------	11	149
Middle Atlantic	8,199	6,857	1,924	161	315	251	47,567	10	27,768	26,732	315	942	8,961
New York	3,896	5,240	1,529	131	315	87	22,330	8	16,171	15,137	315	300	1,395
New Jersey	676	1,227	272	18	------	144	6,346	------	2,567	2,567	------	24	3,221
Pennsylvania	3,627	390	123	12	------	20	18,891	2	9,030	9,028	------	618	4,345
E. N. Central	14,828	16,240	6,735	466	25	176	65,556	45	21,233	20,982	22	1,016	26,170
Ohio	3,257	1,736	508	39	------	30	15,485	19	8,805	8,617	------	384	3,989
Indiana	2,345	4,374	1,896	91	------	59	10,038	------	2,198	2,198	------	110	6,461
Illinois	3,552	8,362	3,586	257	------	79	17,571	1	2,739	2,739	------	105	8,221
Michigan	2,698	1,259	516	60	3	------	12,736	4	3,213	3,211	------	205	3,833
Wisconsin	2,976	509	229	19	22	8	9,725	21	4,278	4,217	22	206	3,666
W. N. Central	31,312	3,963	1,398	350	410	499	62,627	818	25,112	23,497	147	2,260	17,882
Minnesota	4,529	1,304	50	67	------	53	10,657	251	3,020	3,532	------	458	3,887
Iowa	3,832	------	------	------	------	1	10,056	43	5,103	4,811	------	263	2,912
Missouri	3,420	425	91	8	50	(5)	12,180	6	4,757	4,456	------	346	3,544
N. Dakota	6,011	942	671	117	113	325	5,804	251	820	820	------	210	3,016
S. Dakota	4,662	779	383	124	138	73	6,011	109	1,363	1,325	38	244	3,177
Nebraska	4,568	------	------	------	109	43	7,829	142	6,151	5,309	109	432	1,346
Kansas	4,290	513	203	34	------	4	10,090	16	3,298	3,244	------	208	------
South Atlantic	13,871	7,490	3,176	328	1,955	345	49,497	77	14,737	13,366	1,353	983	23,191
Delaware	414	139	26	7	------	------	1,819	17	512	512	------	8	564
Maryland	911	156	17	2	------	2	3,565	------	192	178	------	7	2,456
Dist. of Col	------	------	------	------	------	------	1,918	5	546	546	------	2	53
Virginia	2,201	680	326	22	6	141	7,417	13	2,718	2,708	6	217	2,849
W. Virginia	1,038	474	169	16	------	21	4,474	4	1,758	1,758	------	72	1,719
N. Carolina	2,891	777	395	52	932	28	9,522	36	2,210	1,815	306	221	5,877
S. Carolina	2,214	924	384	64	3	5	5,459	2	2,354	2,351	3	270	1,817
Georgia	3,481	970	328	53	------	76	10,091	------	844	844	------	34	6,636
Florida	721	3,370	1,531	112	1,014	72	5,232	------	3,603	2,654	948	152	1,220
E. S. Central	8,586	6,299	3,048	305	4,517	1,872	31,359	8	10,064	7,272	2,752	612	16,360
Kentucky	2,162	711	304	53	------	2	7,517	2	2,202	2,202	------	106	2,829
Tennessee	1,916	638	318	9	517	4	8,493	6	2,335	1,819	517	99	4,180
Alabama	2,556	497	248	29	2,252	953	8,370	------	4,152	2,328	1,822	217	5,221
Mississippi	1,952	4,453	2,176	214	1,748	913	6,979	------	1,375	923	413	100	4,130
W. S. Central	15,401	12,858	5,432	528	563	117	46,038	41	15,469	12,978	403	1,198	22,810
Arkansas	2,062	2,570	1,166	187	563	21	6,748	------	1,306	903	403	40	4,644
Louisiana	1,669	3,922	1,850	9	------	17	5,829	(5)	941	941	------	33	2,656
Oklahoma	2,693	2,617	1,029	152	------	43	9,217	------	3,337	3,337	------	188	4,599
Texas	8,977	3,749	1,387	180	------	36	24,244	41	9,885	7,797	------	937	10,911
Mountain	16,632	5,137	2,416	405	178	405	43,048	388	21,242	20,618	100	2,702	13,985
Montana	3,507	1,120	619	121	100	195	7,440	24	3,657	3,477	100	275	2,191
Idaho	1,748	888	338	59	------	18	4,486	22	2,710	2,661	------	240	1,542
Wyoming	2,503	239	104	36	78	6	4,501	109	2,170	2,090	------	395	1,399
Colorado	1,961	1,439	684	66	------	20	6,875	18	2,462	2,462	------	226	3,242
New Mexico	2,535	120	82	13	------	97	5,793	09	3,377	3,377	------	916	1,387
Arizona	1,443	356	243	30	------	(5)	5,212	(5)	3,104	2,790	------	217	1,528
Utah	1,449	365	157	26	------	35	4,195	114	1,810	1,809	------	225	680
Nevada	1,486	610	189	54	------	34	4,546	32	1,952	1,952	------	208	2,016
Pacific	5,899	2,175	727	63	17	52	27,830	63	13,799	12,276	3	516	7,376
Washington	1,438	731	119	13	3	(6)	6,116	27	2,468	2,454	3	93	1,136
Oregon	1,766	1,137	498	44	14	52	6,107	36	2,882	2,861	------	115	1,338
California	2,695	307	110	6	------	(5)	15,607	------	8,449	6,961	------	308	4,902
Hawaii	139	664	511	14	262	128	1,871	1	842	635	158	18	359

[1] As provided in the National Industrial Recovery Act; construction began in September 1933.
[2] Total projects approved for construction are: 64 miles, estimated cost, $408,000; Federal aid funds allotted, $273,000.
[3] Total projects approved for construction are: 5,607 miles; public works funds allotted, $93,439,000.
[4] Includes Hawaii. [5] Less than five-tenths of 1 mile. [6] Less than $500.

Source: Bureau of Public Roads, Department of Agriculture.

No. 381.—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; figures represent factory sales for United States plants and production for Canadian plants. Motor cycles 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		4,899	4,899		8		
1903	11	11		13,000	13,000		33		
1904 [3]	23	22	(4)	24,629	23,682	947	55	55	(4)
1905	25	25	(4)	40,000	39,030	970	78	77	1
1906	34	33	1	62,900	61,850	1,050	107	106	1
1907	44	43	1	93,400	92,040	1,360	142	140	2
1908	65	63	2	137,800	135,250	2,550	198	194	3
1909 [3]	131	128	3	165,149	159,919	5,230	312	306	6
1910	187	181	6	225,000	215,340	9,660	468	458	10
1911	210	199	11	246,000	225,000	21,000	640	620	20
1912	378	356	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	413,859	45,098	1,711	1,626	86
1915	970	896	74	701,778	575,978	125,800	2,446	2,310	136
1916	1,618	1,526	92	1,082,378	921,378	161,000	3,513	3,298	215
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	1,461,786	423,327	7,565	6,771	794
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,232	8,226	1,006
1921	1,682	1,518	164	1,261,667	1,091,752	169,914	10,463	9,483	980
1922	2,646	2,369	277	1,793,023	1,561,741	231,282	12,238	10,960	1,279
1923	4,180	3,754	427	2,592,033	2,274,554	317,479	15,091	13,538	1,553
1924	3,738	3,304	434	2,367,413	2,040,707	326,706	17,594	15,461	2,133
1925	4,428	3,871	557	3,015,164	2,544,529	470,635	19,937	17,496	2,441
1926	4,506	3,949	557	3,214,817	2,746,065	468,753	22,001	19,237	2,764
1927	3,580	3,083	497	2,700,706	2,265,633	435,073	23,133	20,219	2,914
1928	4,601	4,012	589	3,162,799	2,703,754	459,045	24,493	21,379	3,114
1929	5,622	4,795	827	3,576,646	2,981,142	595,504	26,501	23,122	3,380
1930	3,510	2,910	600	2,126,602	1,720,652	405,950	26,545	23,059	3,486
1931	2,472	2,038	434	1,426,656	1,153,908	272,748	25,833	22,366	3,467
1932	1,431	1,186	245	793,045	650,781	142,264	24,115	20,886	3,229
1933	1,986	1,628	358	987,436	795,305	192,132	23,827	20,601	3,227

[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. 382.—PRODUCTION OF OPEN AND CLOSED CARS IN THE UNITED STATES AND CANADA, BY PRICE GROUPS [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	
1921	822,843	224,619	288,372	65,336	51,809	30,167	19,552	15,363	22.1
1922	1,322,357	430,769	312,165	204,296	11,709	47,519	8,678	31,596	30.1
1923	2,071,339	991,842	395,545	220,102	7,838	37,248	2,913	27,118	34.0
1924	1,545,197	890,106	318,387	388,846	14,293	103,224	5,403	38,190	43.0
1925	1,491,766	1,188,462	174,438	833,786	12,008	131,591	5,894	32,799	56.5
1926	978,760	1,804,316	109,843	867,340	12,423	144,391	4,479	27,291	72.0
1927	375,738	1,621,465	77,073	836,492	10,075	130,888	3,352	28,277	84.9
1928	385,381	2,535,547	62,198	866,371	10,037	127,354	2,512	32,758	88.5
1929	477,302	3,425,228	22,055	713,120	9,815	121,055	1,237	25,086	89.4
1930	257,338	2,178,470	19,912	363,009	3,513	63,029	1,966	22,950	90.3
1931	134,439	1,607,784	7,407	236,234	1,195	38,765	1,229	11,130	92.9
1932	44,582	1,010,574	1,997	109,146	477	11,200	397	7,836	96.0
1933	25,551	1,561,196	709	52,026	361	14,026	127	6,562	98.4

[1] The figures for 1921 are based only on price of 5-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. 383.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES [1]

Month	1925	1926	1927	1928	1929	1930	1931	1932	1933
	Passenger cars								
Total	3,735,171	3,783,987	2,936,533	3,815,417	4,587,400	2,784,745	1,973,090	1,135,491	1,606,703
January	209,510	276,119	198,157	205,539	347,609	233,815	138,317	98,803	108,326
February	246,924	323,139	262,550	291,005	406,171	280,016	180,419	94,110	91,492
March	325,915	384,579	343,872	371,283	513,656	330,922	231,244	99,399	99,885
April	381,301	385,342	356,823	364,261	537,564	372,932	286,917	120,937	153,350
May	371,192	374,789	356,930	374,680	516,181	361,368	271,475	157,756	184,698
June	356,695	340,716	279,565	355,685	452,749	285,936	210,396	160,338	211,483
July	353,897	317,160	237,811	337,560	425,998	222,205	184,173	94,705	195,023
August	222,030	381,041	275,585	398,722	441,820	183,918	155,425	75,907	195,144
September	265,703	352,070	226,443	357,704	364,336	176,426	109,228	64,748	160,900
October	391,672	290,254	183,042	338,883	319,330	113,808	58,415	35,107	108,073
November	329,294	220,357	109,712	215,742	169,492	101,141	49,184	47,532	44,429
December	281,038	138,421	106,043	204,353	92,494	122,258	97,897	86,149	53,900
	Motor trucks and busses								
Total	530,659	516,947	464,793	543,342	771,020	571,241	416,848	235,187	353,242
January	31,069	32,879	40,751	26,189	53,428	39,406	33,531	20,541	21,761
February	36,714	40,513	42,185	32,791	60,247	50,398	39,521	23,308	15,396
March	48,491	48,888	50,641	42,031	71,799	65,466	45,161	19,560	18,117
April	52,491	53,994	49,559	45,843	84,346	71,092	50,022	27,389	27,363
May	47,864	50,378	48,718	51,103	88,510	58,659	45,688	26,539	33,649
June	41,829	45,553	44,252	41,111	93,183	48,570	40,244	22,768	41,904
July	45,050	42,450	31,585	54,526	44,842	43,328	34,317	14,438	38,118
August	38,206	45,810	34,409	62,576	56,808	40,450	31,772	14,418	41,412
September	60,025	46,868	33,867	57,610	51,576	44,223	31,338	19,402	35,243
October	50,309	44,167	36,640	58,401	60,687	40,593	21,727	13,595	30,469
November	42,977	35,944	24,658	41,398	48,081	35,613	19,683	12,025	19,558
December	35,634	29,503	27,528	29,763	27,513	33,443	23,644	21,204	30,252

Figures represent production or factory sales. Passenger cars include taxicabs; trucks and busses include ambulances, funeral cars, fire apparatus, and street sweepers.

No. 384.—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 grea 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—	
	1931	1932	1933	1932	1933		1931	1932	1933	1932	1933
Total	537,590	514,139	519,403	----	-----	Montana	3,018	2,690	2,751	5	5
						Nebraska	9,096	7,809	7,706	4	4
Alabama	7,197	7,001	8,033	6	6	Nevada	778	727	696	4	4
Arizona	3,204	2,901	2,679	5	5	New Hampshire	2,657	2,639	2,350	4	4
Arkansas	6,448	5,165	5,998	6	6						
California	39,864	36,129	35,217	3	3	New Jersey	17,173	16,675	16,471	3	3
Colorado	6,254	5,469	5,325	4	4	New Mexico	2,686	2,211	2,282	5	5
Connecticut	4,777	4,733	4,857	2	2	New York	30,589	42,581	43,393	3	3
Delaware	1,072	1,090	1,130	3	3	North Carolina	14,024	13,907	14,773	6	6
Dist. of Col	1,726	2,040	2,082	2	2	North Dakota	2,032	1,837	1,925	3	3
Florida	15,018	14,532	14,293	7	7	Ohio	39,328	34,269	33,940	4	4
Georgia	13,314	11,939	12,635	6	6	Oklahoma	11,665	9,682	10,079	4	4
Idaho	2,609	2,287	2,283	5	5	Oregon	6,187	5,591	6,344	4	5
Illinois	29,066	28,754	27,833	3	3	Pennsylvania	33,189	30,801	31,059	3	3
Indiana	18,044	16,740	16,289	4	4	Rhode Island	1,896	1,858	1,885	2	2
Iowa	10,928	8,970	9,372	3	3	South Carolina	7,246	6,225	6,679	6	6
Kansas	8,071	7,420	7,771	3	3	South Dakota	3,395	2,963	3,346	4	4
Kentucky	8,813	8,206	8,316	5	5	Tennessee	11,461	12,185	12,980	7	7
Louisiana	9,398	8,301	8,155	5	5	Texas	30,515	27,064	28,479	4	4
Maine	4,439	4,254	4,127	4	4	Utah	2,310	2,173	2,190	4	4
Maryland	7,431	7,500	7,208	4	4	Vermont	1,967	1,875	1,766	4	4
Massachusetts	15,306	16,519	16,377	3	3	Virginia	11,445	10,810	11,082	5	5
Michigan	21,873	20,461	19,485	3	3	Washington	11,032	11,047	10,863	5	5
Minnesota	11,070	10,001	10,214	3	3	West Virginia	5,395	4,949	4,928	4	4
Mississippi	6,009	5,844	6,101	6	6	Wisconsin	15,780	14,948	15,169	4	4
Missouri	9,207	8,950	9,081	2	2	Wyoming	1,587	1,418	1,405	4	4

Sources: Table 383, Bureau of the Census, Department of Commerce; Table 384, Bureau of Public Roads, Department of Agriculture.

No. 385.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES

NOTE.—Net number of cars and trucks shown when possible, excluding reregistrations 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	1925 [1]	1930 [1]	1932 [1]	1933 [1]
Continental U. S.	1,258,062	2,445,666	9,231,941	19,937,274	26,545,281	24,115,129	23,827,290
New England	121,327	206,609	573,321	1,290,151	1,698,619	1,610,419	1,590,180
Maine	11,022	21,545	62,907	140,499	186,157	171,424	168,173
New Hampshire	8,237	13,449	34,680	81,498	112,183	105,215	107,631
Vermont	5,913	11,499	31,625	69,576	86,624	77,475	73,576
Massachusetts	62,660	102,633	274,498	646,153	846,206	801,317	789,788
Rhode Island	10,295	16,362	50,477	101,756	136,423	133,408	136,261
Connecticut	23,200	41,121	119,134	250,669	331,026	321,580	314,751
Middle Atlantic	266,033	497,227	1,474,106	3,536,570	4,914,101	4,769,709	4,721,510
New York	134,495	255,242	676,205	1,625,583	2,307,730	2,249,509	2,240,757
New Jersey	51,360	81,848	227,737	580,554	852,850	854,782	845,734
Pennsylvania	80,178	160,137	570,164	1,330,433	1,753,521	1,665,418	1,635,019
East North Central	314,524	653,665	2,229,396	4,918,383	6,384,157	5,707,772	5,535,441
Ohio	86,156	181,332	621,390	1,346,400	1,759,363	1,589,322	1,554,314
Indiana	45,000	96,915	333,067	725,410	875,763	797,126	770,071
Illinois	94,656	180,832	568,924	1,263,177	1,638,260	1,489,147	1,463,050
Michigan	54,366	114,845	412,717	989,010	1,328,209	1,136,224	1,077,209
Wisconsin	34,346	79,741	293,298	594,386	782,562	695,953	670,797
West North Central	232,044	499,992	1,782,946	2,941,814	3,681,901	3,278,279	3,241,673
Minnesota	46,000	93,269	324,166	569,094	732,972	682,953	679,243
Iowa	70,299	145,109	437,378	659,202	778,386	682,905	632,292
Missouri	38,140	76,462	297,008	604,166	761,600	717,460	698,362
North Dakota	15,187	24,908	90,840	144,972	183,019	153,232	153,889
South Dakota	14,457	28,724	120,395	168,028	205,172	162,096	169,249
Nebraska	13,411	59,000	219,000	338,719	426,229	374,849	390,651
Kansas	34,550	72,520	294,159	457,033	594,523	504,784	517,987
South Atlantic	77,823	150,594	806,053	1,920,982	2,517,673	2,263,705	2,240,307
Delaware	2,440	5,052	18,300	40,140	56,109	52,341	51,099
Maryland	14,217	31,047	102,841	234,247	321,702	322,106	313,274
District of Columbia	4,000	8,009	34,161	103,092	156,676	161,176	149,790
Virginia	9,022	21,357	115,470	282,650	375,880	376,512	344,704
West Virginia	5,144	13,279	80,664	217,589	266,273	225,137	226,985
North Carolina	10,000	21,000	140,860	[2] 340,287	453,241	376,326	382,308
South Carolina	10,000	15,000	93,843	168,496	218,402	176,370	[3] 162,735
Georgia	[4] 20,000	25,000	146,000	248,093	341,580	287,716	330,147
Florida	[4] 3,000	[4] 10,850	73,914	286,388	327,801	286,021	279,265
East South Central	26,360	48,421	357,658	878,115	1,213,501	969,609	977,776
Kentucky	7,210	19,500	112,683	261,647	331,002	291,309	294,547
Tennessee	[5] 10,000	[6] 7,618	101,852	244,626	368,259	298,713	312,180
Alabama	5,300	11,634	74,637	194,580	277,146	225,846	206,361
Mississippi	3,850	9,669	68,486	177,262	237,094	153,741	164,688
West South Central	48,583	84,433	772,655	1,790,017	2,411,714	1,988,547	2,074,404
Arkansas	3,583	8,021	59,082	183,589	220,204	136,583	188,242
Louisiana	[5] 10,000	11,380	73,000	207,000	275,283	238,877	232,688
Oklahoma	[4] 3,000	25,032	212,880	424,345	550,331	415,644	451,712
Texas	[5] 32,000	[5] 40,000	427,693	975,083	1,365,896	1,197,443	1,201,762
Mountain	33,215	78,520	374,473	675,706	962,572	843,081	820,376
Montana	5,916	14,540	60,650	94,656	135,168	109,203	110,245
Idaho	2,113	7,071	50,861	81,506	119,077	96,039	96,255
Wyoming	1,584	3,976	23,926	47,711	61,501	56,209	52,560
Colorado	13,000	28,894	129,255	240,097	308,509	286,211	266,491
New Mexico	1,898	5,100	22,100	49,111	84,150	76,872	76,643
Arizona	3,613	7,753	34,601	68,029	110,525	94,935	89,496
Utah	4,000	9,177	42,616	73,427	113,997	97,234	100,362
Nevada	1,091	2,009	10,464	21,169	29,645	31,378	28,324
Pacific	138,153	226,205	861,333	1,985,536	2,761,043	2,679,008	2,625,623
Washington	24,178	38,823	173,920	328,442	446,062	445,314	427,406
Oregon	13,975	23,585	103,790	216,553	[7] 273,625	[7] 258,762	[7] 239,410
California	[5] 100,000	163,797	583,623	1,440,541	2,041,356	1,974,932	1,958,807

[1] [illegible]s.
[illegible]ar ends June 30; figure rep-
[illegible] 1 to Dec. 31.
[3] Data cover 10 months ended Oct. 31, as registration year was changed.
[4] Registrations incomplete.
[5] Estimated.
[6] Cars registered during 1915 only; total, approxi-
[illegible] year ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

No. 386.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1933

Division and State	Number of motor cars				Trailers, registered	Motor cycles, registered and official, combined	Receipts from motor-vehicle administration		Amount used for highway purposes
	Total	Individually and commercially owned, registered		Tax-exempt official motor cars			Total receipts [1]	Registration motor cars	
		Passenger cars, busses, and taxis	Trucks and road tractors				Thousands of dollars		
Continental U. S.	[2] 24,057,027	20,600,543	3,226,747	[2] 229,737	472,789	98,882	302,694	266,140	224,828
New England	1,602,273	1,356,730	233,450	12,093	10,931	7,377	23,706	17,275	17,485
Maine	170,362	132,902	35,271	2,189	5,893	1,093	2,909	2,326	2,419
New Hampshire	107,923	87,759	19,872	292	1,922	1,104	2,167	1,764	2,070
Vermont	74,114	65,652	7,924	538	683	553	2,073	1,787	1,961
Massachusetts	793,889	689,934	99,854	4,101	525	1,448	6,508	3,706	3,206
Rhode Island	137,591	118,296	17,965	1,330	92	954	2,198	1,755	906
Connecticut	318,394	262,187	52,564	3,643	1,816	2,225	7,851	5,937	6,833
Middle Atlantic	4,773,345	4,081,277	640,233	51,835	26,846	32,592	86,881	70,355	47,002
New York	2,265,414	1,942,249	298,508	24,657	13,545	13,786	42,318	37,713	14,240
New Jersey	855,507	723,506	122,228	9,773	3,162	6,055	15,378	11,055	12,286
Pennsylvania	1,652,424	1,415,522	219,497	17,405	10,139	12,751	29,185	21,587	20,476
East North Central	5,560,775	4,848,719	686,722	25,334	179,943	19,280	70,082	65,750	58,792
Ohio	1,570,052	[3] 1,396,125	[3] 158,189	15,738	61,156	6,293	17,678	16,826	13,819
Indiana	770,660	653,710	116,361	589	27,996	2,561	7,847	6,922	5,305
Illinois	1,464,860	[3] 1,276,864	[3] 186,186	1,810	9,228	4,959	16,229	15,544	14,879
Michigan	1,078,075	[3] 955,570	[3] 121,639	866	78,998	2,914	18,560	17,003	17,227
Wisconsin	677,128	566,450	104,347	6,331	2,565	2,553	9,768	9,455	7,562
West North Central	3,261,335	2,794,801	446,872	19,662	63,584	7,195	34,039	32,549	30,665
Minnesota	682,996	580,113	99,130	3,753	19,648	1,765	6,367	6,197	5,631
Iowa	637,105	562,802	69,490	4,813	2,416	1,719	10,695	10,319	9,905
Missouri	701,456	[3] 594,567	[3] 103,795	3,094	13,110	1,513	9,357	8,745	9,026
North Dakota	154,523	[3] 128,547	[3] 25,342	634	143	204	1,382	1,338	189
South Dakota	170,513	146,485	22,764	1,264	9,693	297	1,459	1,410	1,406
Nebraska	392,417	336,704	53,947	1,766	14,727	988	1,722	1,600	1,650
Kansas	522,325	[3] 445,583	[3] 72,404	4,338	3,847	709	3,057	2,940	2,858
South Atlantic	2,274,008	1,926,595	313,712	33,701	37,525	9,425	29,039	25,862	20,447
Delaware	51,741	[3] 42,614	[3] 8,485	642	912	409	1,014	858	1,014
Maryland	315,692	278,546	34,728	2,418	1,383	1,485	3,581	2,733	2,116
Dist. Columbia	154,433	133,048	16,742	4,643	1,112	918	626	156	----
Virginia	350,365	288,048	56,656	5,661	1,845	1,817	6,090	5,757	5,475
West Virginia	230,211	193,570	33,415	3,226	2,094	1,254	3,838	3,523	3,689
North Carolina	391,749	332,648	49,660	9,441	13,012	1,151	5,356	4,915	5,118
South Carolina [4]	165,746	144,940	17,795	3,011	1,764	601	2,503	2,142	2,136
Georgia	330,845	278,935	51,212	698	5,836	956	1,036	989	899
Florida	283,226	234,246	45,019	3,961	9,567	834	4,995	4,789	----
East South Central	987,711	849,055	128,721	9,935	7,839	2,719	11,708	11,376	10,965
Kentucky	297,927	262,436	[5] 32,111	3,380	(5)	889	4,174	4,052	3,938
Tennessee	315,095	278,332	33,848	2,915	2,982	1,064	2,940	2,824	2,673
Alabama	207,739	176,523	29,838	1,378	4,007	567	2,724	2,677	2,583
Mississippi	166,950	131,764	32,924	2,262	850	199	1,870	1,823	1,771
West South Central	2,092,300	1,744,784	329,620	17,896	54,101	5,421	21,951	20,654	20,765
Arkansas	188,989	155,262	32,980	747	6,887	356	1,769	1,622	1,692
Louisiana	236,836	190,681	42,007	4,148	6,957	778	4,053	3,692	3,923
Oklahoma	454,454	385,755	65,957	2,742	4,184	700	3,382	3,320	3,035
Texas	1,212,021	1,013,086	188,676	10,259	36,073	3,587	12,747	12,020	12,115
Mountain	830,509	687,802	132,574	10,133	15,434	2,590	7,600	6,801	6,200
Montana	112,176	[3] 82,765	[3] 27,480	1,931	483	272	1,070	1,018	1,027
Idaho	97,674	81,371	14,884	1,419	10,039	291	1,402	1,361	1,297
Wyoming	53,365	41,917	10,643	805	20	121	679	667	666
Colorado	267,012	239,058	27,433	521	832	788	2,036	1,555	1,359
New Mexico	77,892	61,353	15,290	1,249	983	263	667	629	380
Arizona	91,709	74,927	14,569	2,213	1,989	316	648	534	476
Utah	101,690	84,014	16,348	1,328	457	447	798	749	738
Nevada	28,991	22,397	5,927	667	631	92	300	288	257
Pacific	2,674,438	2,310,780	314,843	48,815	76,586	12,283	17,686	15,516	12,510
Washington	435,412	364,858	62,548	8,006	4,849	1,804	2,483	1,851	1,912
Oregon [6]	243,152	207,202	32,208	3,742	1,750	1,421	5,337	5,092	4,767
California	1,995,874	1,738,720	220,087	37,067	69,987	9,058	9,866	8,573	5,831

1 [illegible] s, fines, etc.; excludes gasoline taxes.
2 [illegible] to any State.
3 [illegible]
4 Data cover 10 months ended Oct. 31, as registration year was changed.
5 Trailers included with trucks.
6 Data cover registration year ended June 30, 1933.

Source: Bureau of Public Roads, Department of Agriculture.

No. 387.—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	55,188,437	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	60,943,663	2,571	4.2	1,234,844	208.2
1915	67,095,681	3,978	5.9	61,881,753	3,589	5.8	1,775,064	202.2
1916	71,349,162	5,193	7.3	66,371,691	4,737	7.1	2,511,805	188.6
1917	74,984,498	6,724	9.0	69,646,824	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	155.0
1919	85,166,043	7,968	9.4	83,612,508	7,771	9.3	5,922,572	131.2
1920	87,632,592	9,103	10.4	86,179,774	8,878	10.3	7,440,420	119.3
1921	89,102,434	10,168	11.4	87,592,175	9,903	11.3	8,578,536	115.4
1922	93,866,240	11,666	12.4	92,540,579	11,466	12.4	10,374,993	110.5
1923	97,816,104	14,411	14.7	96,385,407	14,157	14.7	13,359,965	106.0
1924	100,082,062	15,528	15.5	98,471,683	15,221	15.5	15,714,878	96.9
1925	102,951,999	17,571	17.1	101,111,137	17,149	17.0	17,875,567	95.9
1926	104,938,301	18,871	18.0	102,991,160	18,419	17.9	19,838,947	92.8
1927	108,177,568	21,160	19.6	106,309,646	20,704	19.5	21,084,564	98.2
1928	114,258,516	23,765	20.8	113,050,663	23,427	20.7	23,126,127	101.3
1929	116,317,515	27,066	23.3	115,097,972	26,662	23.2	25,097,555	106.2
1930	118,560,800	29,080	24.5	117,338,000	28,684	24.4	25,350,499	113.1
1931	119,421,000	30,042	25.2	118,157,000	29,658	25.1	24,705,328	120.0
1932	120,122,000	26,350	21.9	118,858,000	26,033	21.9	23,085,036	112.8

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	27,383,839	844	3.1	4,897,882	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	2,363	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	32,718,037	3,890	11.9	5,337,674	660	12.4
1918	41,844,499	2,368	5.7	37,692,075	4,942	13.1	1,797,101	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	44,475,250	2,757	6.2	41,704,524	6,121	14.7	1,452,818	225	15.5
1921	45,070,088	3,368	7.5	42,522,087	6,535	15.4	1,510,259	265	17.5
1922	48,575,329	4,020	8.3	43,965,250	7,446	16.9	1,325,661	200	15.1
1923	50,867,586	5,209	10.2	45,517,821	8,948	19.7	1,430,697	254	17.8
1924	52,047,381	5,668	10.9	46,424,302	9,553	20.6	1,610,379	307	19.1
1925	53,580,742	6,509	12.1	47,530,395	10,640	22.4	1,840,862	422	22.9
1926	54,389,753	7,348	13.5	48,601,407	11,071	22.8	1,947,141	452	23.2
1927	56,613,922	8,452	14.9	49,695,724	12,252	24.7	1,867,922	456	24.4
1928	61,350,563	9,997	16.3	51,700,100	13,430	26.0	1,207,853	338	28.0
1929	62,421,794	11,797	18.9	52,676,178	14,865	28.2	1,219,543	404	33.1
1930	60,565,200	12,193	20.1	56,772,800	16,491	29.0	1,222,800	396	32.4
1931	60,302,100	12,702	21.1	57,854,900	16,956	29.3	1,264,200	384	30.4
1932	61,033,400	11,304	18.5	57,824,600	14,729	25.5	1,264,200	317	25.1

Sources: Bureau of the Census, Department of Commerce, and Bureau of Public Roads, Department of Agriculture.

No. 388.—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 68 for per cent of total population included in the registration area for each year.

State	Number of deaths						Rate per 100,000 estimated population					
	1921–1925, avg.	1926–1930, avg.	1929	1930	1931	1932	1921–1925, avg.	1926–1930, avg.	1929	1930	1931	1932
Registration area in continental United States	**13,869**	**23,988**	**27,066**	**29,080**	**30,042**	**26,350**	**14.3**	**21.3**	**23.8**	**24.5**	**25.2**	**21.9**
Registration States [1]	13,579	23,579	26,662	28,684	29,658	26,033	14.3	21.3	23.2	24.4	25.1	21.9
Cities [1]	8,624	13,622	14,865	16,491	16,956	14,729	19.1	26.3	28.2	29.0	29.3	25.5
Rural	4,955	9,957	11,797	12,193	12,702	11,304	9.9	16.9	18.9	20.1	21.1	18.5
Cities in nonregistration States	290	409	404	396	384	317	18.8	27.4	33.1	32.4	30.4	25.1
All registration cities [1]	8,914	14,031	15,269	16,887	17,340	15,046	19.1	26.3	28.3	29.1	29.3	25.5
REGISTRATION STATES												
Alabama	[2] 252	392	445	459	472	405	[2] 10.0	15.1	17.0	17.3	17.7	15.1
Arizona	[3]	143	153	181	149	162	[3]	34.2	35.7	41.3	33.6	36.2
Arkansas	[3]	[4] 242	282	306	313	260	[3]	[4] 13.1	15.3	16.5	16.8	13.9
[illegible]	1,131	1,828	2,100	2,193	2,367	2,198	27.0	34.5	38.1	38.3	40.5	37.0
[illegible]	148	232	258	271	319	284	15.2	22.8	25.1	26.1	30.6	27.1
[illegible]	260	376	433	407	457	409	17.8	24.0	27.2	25.2	28.1	25.0
[illegible]	36	64	57	74	76	79	15.8	27.1	24.0	31.0	31.7	32.9
Florida	217	470	488	563	518	485	19.0	34.6	34.1	38.0	34.4	31.7
Georgia	[5] 200	[6] 519	527	562	608	541	[5] 9.0	[6] 17.8	18.1	19.3	20.9	18.6
Idaho	[7] 46	87	81	109	88	86	[7] 10.5	19.7	18.2	24.5	19.7	19.2
[illegible]	1,051	1,645	1,695	1,945	2,049	1,831	15.3	22.1	22.3	25.4	26.5	23.6
[illegible]	399	772	897	965	1,023	845	13.1	21.2	27.9	29.7	31.4	25.8
Iowa	[8] 241	376	404	601	564	422	[8] 9.9	15.3	16.4	24.3	22.8	17.0
Kansas	193	322	373	439	402	386	10.7	17.3	19.9	23.3	21.3	20.4
Kentucky	167	357	389	477	514	441	6.7	13.8	15.0	18.2	19.5	16.7
Louisiana	162	332	373	371	412	341	8.5	16.2	17.9	17.6	19.4	15.9
Maine	83	127	151	159	159	149	10.7	16.0	19.0	19.9	19.9	18.6
[illegible]	232	363	382	449	466	410	15.3	22.7	23.6	27.4	28.3	24.8
[illegible]	669	732	781	779	813	777	15.3	17.5	18.5	18.3	19.0	18.1
[illegible]	714	1,284	1,411	1,384	1,407	1,143	17.5	27.7	29.7	28.4	28.5	22.9
Minnesota	306	439	505	561	622	486	12.5	17.3	19.8	21.8	24.1	18.8
[illegible]	96	265	284	332	284	234	5.1	13.4	14.2	16.5	14.0	11.5
[illegible]	391	605	651	730	814	690	11.2	16.8	18.0	20.3	23.1	18.9
[illegible]	60	100	114	100	118	96	11.0	18.5	21.2	18.6	21.9	17.9
[illegible]	119	224	205	286	291	212	9.0	16.4	19.3	20.7	21.0	15.3
[illegible]	[3]	[9] 40	45	34	63	59	[3]	[9] 44.2	50.0	37.4	68.5	63.4
[illegible]	59	83	98	103	100	70	13.1	18.0	21.1	22.1	21.4	15.0
[illegible]	643	1,040	1,209	1,211	1,229	1,105	18.6	26.7	30.4	29.8	29.9	26.6
[illegible]	[3]	[9] 104	97	111	95	97	[3]	[9] 24.7	23.2	26.1	22.2	22.5
[illegible]	1,880	2,628	2,977	3,048	3,077	2,813	17.0	21.5	24.0	24.1	24.1	21.9
[illegible]	254	555	611	620	650	558	9.2	18.1	19.5	19.7	20.2	17.2
North Dakota	[10] 52	78	88	79	110	57	[10] 7.8	11.6	13.0	11.6	16.1	8.3
Ohio	988	1,706	1,990	2,019	1,970	1,822	16.3	26.3	30.2	30.3	29.3	27.0
Oklahoma	[3]	[6] 433	487	483	404	437	[3]	[6] 18.3	20.6	20.1	16.7	17.9
Oregon	125	221	221	253	202	223	14.9	23.9	23.5	26.4	30.2	22.9
[illegible]	1,405	2,011	2,159	2,422	2,412	2,043	15.6	21.2	22.6	25.1	24.9	21.0
[illegible] Island	104	136	146	123	116	101	16.4	20.2	21.4	17.8	16.7	14.5
[illegible] Carolina	123	288	350	370	380	329	7.2	16.7	20.2	21.3	21.8	18.9
South Dakota	[3]	[11] 112	[3]	112	116	101	[3]	[11] 16.1	[3]	16.1	16.6	14.4
Tennessee	195	409	480	526	547	474	8.0	15.9	18.5	20.1	20.7	17.9
Utah	68	109	133	130	157	115	14.5	21.9	26.4	25.5	30.7	22.3
[illegible]	42	62	64	71	71	63	11.8	17.3	17.8	19.7	19.7	17.5
[illegible]	198	413	457	518	550	561	8.4	13.6	18.9	21.4	27.0	23.0
Washington	236	397	441	413	461	413	16.5	26.0	28.5	26.3	29.2	26.0
West Virginia	[2] 208	305	318	305	427	332	[2] 13.0	18.1	18.6	22.8	24.4	18.9
Wisconsin	306	568	612	712	731	624	11.2	19.7	21.0	24.2	24.7	21.0
Wyoming	[7] 51	65	73	72	98	78	[7] 24.7	29.8	32.7	31.9	43.0	34.1
REGISTRATION CITIES [12]												
Akron	39	82	90	100	77	80	18.0	34.3	35.5	39.1	29.3	30.3
Albany	28	40	35	48	45	35	23.7	32.0	27.7	37.6	34.9	27.1
Atlanta	53	76	89	87	95	99	23.5	29.2	33.4	32.0	34.2	35.7
[illegible]	130	188	198	206	226	201	17.1	23.7	24.8	25.5	27.8	24.7
[illegible]	46	63	76	70	82	75	22.3	25.6	29.9	26.8	30.4	27.9

For footnotes see following page.

No. 388.—Automobile Fatalities in States and Large Cities Having Death Registration—Continued

City	Number of deaths						Rate per 100,000 estimated population					
	1921–1925, avg.	1926–1930, avg.	1929	1930	1931	1932	1921–1925, avg.	1926–1930, avg.	1929	1930	1931	1932
Boston	132	138	145	120	148	151	17.4	17.8	18.6	15.3	18.8	19.2
Bridgeport	25	36	39	40	59	27	17.3	24.6	26.6	27.2	40.1	18.4
Buffalo	111	156	184	175	153	132	21.0	27.8	32.4	30.5	26.3	22.7
Chicago	597	795	768	841	953	846	20.4	24.4	23.1	24.8	27.6	24.5
Cincinnati	91	135	150	167	149	124	21.8	30.5	33.5	36.9	32.6	27.1
Cleveland	189	281	312	303	286	262	22.7	31.8	34.9	33.6	31.4	28.7
Columbus	54	99	117	135	121	99	21.1	35.0	40.7	46.3	40.9	33.5
Dallas	37	64	67	78	81	71	19.2	26.2	26.4	29.7	29.7	26.0
Dayton	28	61	75	71	75	58	16.6	31.7	38.0	35.2	36.7	28.3
Denver	44	63	69	80	86	86	16.5	22.3	24.2	27.7	29.5	29.5
Des Moines	[8] 19	33	33	46	43	45	[8] 14.2	23.6	23.3	32.2	29.8	31.1
Detroit	242	388	392	384	372	321	21.0	26.8	25.8	24.2	22.5	19.6
Flint	19	44	49	50	53	38	16.2	30.1	32.2	31.6	32.3	23.2
Fort Worth	[7] 21	43	55	56	55	56	[7] 15.3	27.3	34.1	34.1	32.9	33.4
Grand Rapids	28	38	44	47	36	29	19.1	23.2	26.4	27.8	21.0	16.9
Hartford	38	46	49	37	55	50	25.9	28.8	30.2	22.5	32.9	29.9
Houston	28	77	115	101	101	64	15.5	29.6	40.6	34.2	32.6	20.6
Indianapolis	58	110	29	134	156	99	17.5	31.0	35.8	36.7	42.2	26.8
Jacksonville	25	45	53	45	56	58	24.7	35.6	41.4	34.6	42.5	42.1
Jersey City	46	56	73	55	43	58	15.1	17.9	23.1	17.3	13.5	18.2
Kansas City, Kans	17	19	14	36	24	36	15.2	15.8	11.6	29.5	19.5	29.3
Kansas City, Mo	78	92	82	118	137	89	22.3	23.8	20.8	29.4	33.5	21.8
Long Beach	22	39	57	48	60	55	25.8	30.2	41.7	33.4	39.4	36.0
Los Angeles	220	365	430	417	488	486	27.6	32.2	36.0	33.3	37.0	36.8
Louisville	53	80	86	87	109	85	18.9	26.1	28.0	28.3	35.4	27.0
Memphis	41	75	82	87	100	101	23.4	36.2	39.9	34.3	38.6	39.0
Milwaukee	73	114	112	110	108	97	14.8	20.5	19.6	19.0	18.2	16.3
Minneapolis	68	88	108	110	114	91	16.7	19.6	23.5	23.6	24.1	19.2
Nashville	29	51	64	64	71	72	23.1	34.9	41.8	41.5	45.7	46.3
New Haven	34	49	62	45	51	53	20.9	30.1	38.1	27.7	31.3	32.6
New Orleans	64	108	124	120	126	91	15.5	24.2	27.3	26.1	27.0	19.5
New York	961	1,191	1,342	1,310	1,299	1,163	15.8	17.8	19.6	18.8	18.3	16.4
Newark, N. J	94	123	126	139	106	98	27.2	28.1	28.6	31.4	23.8	22.0
Norfolk	17	27	28	24	44	36	13.3	20.4	21.4	18.5	33.9	27.8
Oakland	44	74	85	111	101	64	18.4	27.2	30.5	38.9	34.6	21.9
Oklahoma City	15	44	59	76	55	66	12.2	26.1	33.0	40.5	27.9	33.6
Omaha	30	49	60	58	66	44	15.1	23.3	28.3	27.0	30.5	20.3
Paterson	39	50	59	50	52	56	28.5	36.2	42.7	36.1	37.5	40.3
Philadelphia	262	346	381	377	354	321	14.0	17.9	19.6	19.3	18.0	16.3
Pittsburgh	146	193	197	228	218	159	23.7	29.4	29.6	34.0	32.2	23.5
Portland, Oreg	40	61	56	71	95	74	14.7	20.8	18.7	23.4	30.9	24.1
Providence	56	69	69	72	52	51	23.1	27.6	27.4	28.4	20.4	20.0
Richmond	28	49	51	59	90	67	16.0	27.1	28.0	32.2	48.8	36.4
Rochester	48	67	58	80	76	62	15.6	20.8	17.8	24.3	22.9	18.7
St. Louis	164	177	172	175	180	156	20.8	21.8	21.0	21.3	21.7	18.8
St. Paul	45	61	69	76	87	84	18.2	23.0	25.7	27.9	31.5	30.4
Salt Lake City	28	42	38	44	50	58	22.3	30.8	41.8	31.3	35.0	40.5
San Antonio	30	58	72	66	63	50	16.2	26.4	31.8	28.3	26.2	20.8
San Diego	30	57	62	77	66	68	30.3	41.6	43.3	51.5	42.2	43.5
San Francisco	107	137	119	133	126	132	19.4	22.4	19.0	20.9	19.4	20.3
Scranton	30	38	49	44	36	32	21.5	26.7	34.3	30.6	25.0	22.2
Seattle	52	85	104	83	116	80	15.6	23.8	28.7	22.6	31.2	21.5
Springfield, Mass	22	35	40	46	33	28	16.1	23.9	27.0	30.6	21.7	18.0
Syracuse	37	53	59	61	70	39	20.3	26.1	28.5	29.0	32.8	18.3
Toledo	52	96	106	107	120	109	20.1	33.9	36.8	36.7	40.4	36.7
Trenton	32	48	58	57	56	41	26.5	39.1	47.1	46.2	45.2	33.1
Tulsa	([3])	[6] 39	37	50	33	34	([3])	[6] 29.4	27.1	35.2	22.6	23.3
Washington, D. C	80	117	117	138	161	186	17.6	24.5	24.2	28.3	32.8	37.7
Worcester	33	40	33	53	37	31	17.8	20.8	17.0	27.1	18.8	15.7
Yonkers	16	22	27	19	24	17	14.3	17.1	20.4	14.0	17.3	12.2
Youngstown	36	63	88	64	69	41	25.7	40.8	57.4	37.5	39.9	23.7

[1] Including the District of Columbia.
[2] 1925 only.
[3] Not in registration area.
[4] Average, 1927–1930.
[5] Average, 1922–1924.
[6] Average, 1928–1930.
[7] Average, 1922–1925.
[8] Average, 1923–1925.
[9] Average, 1929 and 1930.
[10] Average, 1924 and 1925.
[11] 1930 only.
[12] Only cities of over 120,000 inhabitants, according to 1930 census, are shown.

Source: Bureau of the Census, Department of Commerce.

26.—TRANSPORTATION, AIR AND LAND—STEAM AND ELECTRIC RAILWAYS, EXPRESS COPMANIES, AND CIVIL AERONAUTICS

[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 inter- [illegible] to the Interstate Commerce Commission, [illegible] mmission; and (*c*) private railroads (defined [illegible] ef circulars and as "unofficial"). Except in [illegible] not included in any of the statistics. The [illegible] ls were formerly included with operating railways, but are now separated, and [illegible] in most of the tables.

[illegible] 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 capitaliza[illegible]

[illegible] he amount of their annual operating rev- en[illegible] II, fro[illegible]: and Class II[illegible] are r[illegible] rriers 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.

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. 389.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED CLASSIFIED BY TRACKAGE

NOTE.—[illegible] omitted (they operate about 2,000 miles of first m[illegible] railways including "circular" and "unofficial" l[illegible] official" lines. Mileage owned excludes all duplica[illegible] Mileage operated includes some duplication under [illegible] by United States companies

Year	Miles of road (first track) owned	Miles operated					
		All railways: Road (first track)	Reporting railways				Class I railways: Road (first track)
			Road (first track)	Other main tracks	Yard track and sidings	Total track	
June 30, 1890	163,597	167,191	156,404	9,760	33,711	199,875	----------
1895	180,657	184,628	177,746	12,348	43,181	233,275	----------
1900	193,346	198,964	192,556	14,075	52,153	258,784	----------
1905	218,101	225,196	216,974	19,881	69,942	306,797	----------
1910	240,293	249,992	240,831	25,354	85,582	351,767	----------
1911	243,979	254,732	246,238	27,612	88,974	362,824	216,877
1912	246,777	258,033	249,852	29,367	92,019	371,238	220,063
1913	249,777	261,036	253,470	30,827	95,211	379,508	224,236
1914	252,105	263,547	256,547	32,376	98,285	387,208	226,999
1915	253,789	264,378	257,569	33,662	99,910	391,141	228,989
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	232,697
1918	253,529	264,233	258,507	36,228	107,608	402,343	233,145
1919	253,152	263,707	258,525	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	250,413	261,984	257,425	37,888	114,046	409,359	234,976
1923	250,222	262,482	258,084	38,697	116,212	412,993	235,574
1924	250,156	262,158	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	249,138	261,562	258,815	41,686	120,840	421,341	237,054
1927	249,131	262,091	259,639	42,071	123,027	424,737	238,634
1928	249,309	262,713	260,546	42,432	124,772	427,750	240,747
1929	249,433	262,546	260,570	42,711	125,774	429,055	242,015
1930	249,052	262,215	260,440	42,742	126,701	429,883	242,391
1931	248,829	261,816	259,999	42,780	127,044	429,823	242,292
1932	247,595	260,438	258,869	42,556	126,977	428,402	241,424

Source: Interstate Commerce Commission.

No. 390.—RAILWAY MILEAGE OWNED: BY STATES

NOTE.—See headnote to Table 389. 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	1930	1931	1932
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,052	248,829	247,595
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,596	7,589	7,563
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,193	2,192	2,181
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,165	1,165	1,134
Vermont	554	614	914	921	1,012	1,100	1,077	1,056	1,051	1,051
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,022	2,014	2,016
Rhode Island	108	136	210	213	212	212	211	191	194	205
Connecticut	601	742	923	1,007	1,024	1,000	1,001	969	973	976
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	21,752	21,722	21,651
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,312	8,282	8,261
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,299	2,285	2,284
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,141	11,155	11,106
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,644	31,549	31,327
Delaware	127	197	275	323	347	335	335	325	325	325
District of Columbia	(4)	(4)	(4)	30	32	36	36	36	36	37
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,443	1,439	1,438
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,516	4,492	4,473
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,046	4,125	4,109
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,161	5,058	4,998
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,780	3,775	3,751
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,671	6,671	6,638
Florida	402	446	518	2,471	3,299	4,432	5,212	5,666	5,628	5,558
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,770	43,543	43,075
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,804	8,733	8,604
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,106	7,108	7,089
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	12,500	12,472	12,411
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,072	8,020	7,832
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,288	7,210	7,139
West North Central	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,400	51,383	51,185
Minnesota	-------	1,092	3,151	5,466	6,943	8,669	9,114	8,779	8,778	8,709
Iowa	655	2,683	5,400	8,356	9,185	9,755	9,808	9,698	9,685	9,625
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,117	7,897	7,970	7,914
North Dakota	-------	[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,275	5,275	5,275
South Dakota	-------	(6)	(6)	2,486	2,850	3,948	4,276	4,238	4,219	4,220
Nebraska	-------	705	1,953	5,295	5,685	6,067	6,166	6,174	6,173	6,159
Kansas	-------	1,501	3,400	8,806	8,719	9,007	9,388	9,339	9,283	9,283
East South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,452	17,358	17,170
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,054	3,991	3,901
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	3,940	3,941	3,921
[illegible]	743	1,157	1,843	3,314	4,226	5,226	5,378	5,249	5,256	5,226
[illegible]	862	990	1,127	2,332	2,920	4,506	4,369	4,209	4,170	4,122
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	33,227	33,398	33,328
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,654	4,639	4,607
Texas	307	711	3,244	8,613	9,886	14,282	16,125	17,069	17,204	17,198
Oklahoma	-------	-------	289	1,214	2,151	5,980	6,572	6,678	6,742	6,741
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,826	4,813	4,782
Mountain	-------	1,466	5,082	12,676	15,808	22,956	25,170	24,973	24,973	24,912
Montana	-------	-------	106	2,181	3,010	4,207	5,072	5,228	5,212	5,208
Wyoming	-------	459	512	942	1,229	1,645	1,931	2,036	2,037	2,036
Colorado	-------	157	1,570	4,176	4,587	5,533	5,519	4,972	4,964	4,956
New Mexico	-------	-------	758	1,324	1,753	3,032	2,972	2,973	3,009	2,992
Arizona	-------	-------	349	1,097	1,512	2,097	2,478	2,494	2,472	2,454
Utah	-------	257	842	1,090	1,547	1,986	2,161	2,196	2,196	2,178
Nevada	-------	593	739	925	909	2,277	2,160	2,109	2,131	2,155
Idaho	-------	-------	206	941	1,261	2,179	2,877	2,965	2,952	2,933
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,238	17,314	17,384
Washington	-------	-------	289	1,783	2,914	4,875	5,587	5,542	5,524	5,448
Oregon	-------	159	508	1,428	1,724	2,285	3,305	3,456	3,473	3,484
California	23	925	2,195	4,356	5,751	7,772	8,356	8,240	8,317	8,452
Alaska Territory	-------	-------	-------	-------	22	390	246	790	750	750
Hawaii Territory	-------	-------	-------	-------	-------	175	243	232	232	228

[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. 391.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE.—See note to Table 389. 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 1916 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	1891	168,403	161,275	1912	246,777	249,852
1850		9,021	1892	171,564	162,397	1913	249,777	253,470
1855		18,374	1893	176,461	169,780	1914	252,105	256,547
1860		30,626	1894	178,709	175,691	1915	253,789	257,569
1865		35,085	1895	180,657	177,746	1916	254,037	259,705
1870		52,922	1896	182,777	181,983	1917	253,626	259,705
1875		74,096	1897	184,428	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		86,556	1900	193,346	192,556	1921	251,176	258,362
1880		93,262	1901	197,237	195,562	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	213,904	212,243	1925	249,398	258,631
1884		125,345	1905	218,101	216,974	1926	249,138	258,815
1885		128,320	1906	224,363	222,340	1927	249,131	259,639
1886		136,338	1907	229,951	227,455	1928	249,309	260,546
1887		149,214	1908	233,468	230,494	1929	249,433	260,570
1888		156,114	1909	236,834	235,402	1930	249,052	260,440
1889		161,276	1910	240,293	240,331	1931	248,829	259,999
1890	163,597	166,404	1911	243,979	246,238	1932	247,595	258,869

Source: Poor's Manual of Railroads prior to 1890; Interstate Commerce Commission thereafter.

No. 392.—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 396

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:								
1916	231,674	34,129	98,334	364,137	61,332	2,024,119	33,188	92,280
1920	235,234	36,737	105,408	377,379	64,746	2,340,761	36,365	98,343
1923	235,574	38,573	111,708	385,855	65,327	2,544,115	39,177	101,317
1924	235,894	39,735	112,253	387,882	65,358	2,593,178	39,891	104,149
1925	236,849	40,817	113,873	391,539	63,974	2,586,868	40,666	105,570
1926	237,054	41,537	116,353	394,944	62,761	2,611,238	41,886	105,953
1927	238,634	41,926	118,654	399,214	61,344	2,606,171	42,798	105,846
1928	240,747	42,255	120,479	403,481	59,441	2,579,643	43,838	105,322
1929	242,015	42,556	121,882	406,453	57,537	2,550,813	44,801	105,411
1930	242,391	42,584	123,024	407,999	56,493	2,526,940	45,225	106,180
1931	242,292	42,627	123,318	408,237	55,055	2,488,861	45,764	103,422
1932	241,424	[1] 42,404	123,241	407,069	53,217	2,430,328	46,299	100,901
Eastern district:								
1916	59,175	20,879	40,056	120,110	28,179	958,339	34,333	47,185
1920	59,513	21,734	42,387	123,634	29,478	1,102,551	37,762	49,543
1925	59,249	22,882	45,054	127,185	28,409	1,193,573	42,408	51,449
1929	60,362	23,448	46,677	130,487	24,921	1,141,547	46,563	50,998
1930	60,014	23,131	46,552	129,697	24,247	1,108,965	46,531	50,618
1931	59,920	23,057	46,524	129,501	23,800	1,095,382	46,942	49,945
1932	59,711	22,892	46,554	129,157	22,713	1,057,012	47,628	49,163
Southern district:								
1916	42,753	3,940	15,695	62,388	9,754	323,023	33,165	15,633
1920	43,799	4,436	17,080	65,315	10,740	392,332	36,625	16,980
1925	44,241	5,707	19,199	69,147	11,158	457,579	41,112	18,968
1929	45,758	6,149	21,387	73,294	10,808	478,826	44,600	19,177
1930	46,087	6,377	21,882	74,346	10,717	483,145	45,404	19,871
1931	46,105	6,363	21,877	74,345	10,529	478,876	45,812	19,484
1932	45,886	6,348	21,853	74,087	10,449	476,606	45,947	19,183
Western district:								
1916	129,746	9,310	42,583	181,639	23,399	742,757	31,827	29,463
1920	131,922	10,567	45,941	188,430	24,528	845,878	34,584	31,820
1925	133,359	12,228	49,620	195,207	24,407	935,716	38,448	35,153
1929	135,895	12,959	53,818	202,672	21,808	930,440	42,909	35,236
1930	136,290	13,076	54,590	203,956	21,529	934,830	43,682	35,691
1931	136,267	13,207	54,917	204,391	20,726	914,603	44,405	33,993
1932	135,827	13,164	54,834	203,825	20,055	896,710	45,002	32,555

[1] Includes second track, 36,678 miles; third track, 3,162 miles; fourth and other, 2,564 miles.

Source: Interstate Commerce Commission.

No. 393.—MILEAGE OF ROAD AND TRACKS OPERATED: CLASS I CARRIERS, BY DISTRICTS

NOTE.—Figures include some mileage in Canada operated by United States companies as follows: 1916, 2,097 miles; 1920, 1,949 miles; 1925, 3,087 miles; 1930, 2,898 miles; 1931, 2,887 miles; 1932, 2,878 miles, consisting of 1,710 miles of road, 501 miles of second main track, 68 miles of industrial tracks, and 599 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1930, 21,694 miles; 1931, 21,687 miles; 1932, 21,585 miles.

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	29,223	2,716	2,190	98,334	[1]	[1]	[1]	[1]
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	[2] 3,598	[2] 1,674	972	952
1930	407,999	242,391	36,755	3,239	2,590	123,024	5,098	2,381	1,432	1,285
1931	408,237	242,292	36,861	3,211	2,555	123,318	5,225	2,395	1,464	1,366
1932	407,069	241,424	36,678	3,162	2,564	123,241	5,389	2,410	1,596	1,383
Eastern district:										
1916	120,110	59,175	16,666	2,408	1,805	40,056	[1]	[1]	[1]	[1]
1931	129,501	59,920	18,316	2,735	2,006	46,524	3,297	1,255	1,196	846
1932	129,157	59,711	18,186	2,689	2,017	46,554	3,460	1,274	1,314	872
Southern district:										
1916	62,389	42,753	3,725	43	173	15,695	[1]	[1]	[1]	[1]
1931	74,345	46,105	5,909	143	311	21,877	660	270	182	208
1932	74,087	45,886	5,903	135	310	21,853	661	266	196	199
Western district:										
1916	181,638	129,746	8,832	265	212	42,583	[1]	[1]	[1]	[1]
1931	204,391	136,267	12,636	333	238	54,917	1,268	870	86	312
1932	203,825	135,827	12,589	338	237	54,834	1,268	870	86	312

[1] Data not available.
[2] Does not include 43 miles of electric street railways operated by Boston & Maine R. R.

No. 394.—RAILWAY EQUIPMENT INSTALLED AND RETIRED FROM SERVICE: CLASS I CARRIERS

NOTE.—"Installed" includes new and used equipment purchased; equipment leased from others; the return to service of equipment that was leased to others; equipment rebuilt or converted; and units (except locomotives) transferred from one class of service to another. "Retired" includes equipment permanently withdrawn from transportation service; equipment leased to others; the return of leased equipment to the owning companies; equipment rebuilt or converted; and units (except locomotives) transferred from one class of service to another

Year ended—	Locomotives		Freight-train cars		Passenger-train cars	
	Number installed	Number retired	Number installed	Number retired	Number installed	Number retired
June 30, 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	999	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	105,394	126,471	1,328	1,286
1923	4,360	3,746	232,060	213,789	2,658	2,360
1924	2,786	2,529	156,572	118,590	2,755	2,295
1925	1,600	2,873	139,083	128,573	3,230	3,569
1926	[1] 1,882	[1] 3,105	93,369	103,152	3,455	3,309
1927	[1] 1,542	[1] 2,976	73,254	96,991	2,646	3,612
1928	[1] 1,017	[1] 3,047	62,945	90,707	2,524	3,252
1929	[1] 1,229	[1] 3,134	94,946	115,869	2,663	3,499
1930	[1] 1,160	[1] 2,204	81,038	82,101	1,900	2,036
1931	[1] 482	[1] 1,802	14,910	82,828	697	1,938
1932	[1] 477	[1] 2,316	8,545	69,394	579	1,928

[1] Excludes units transferred from one class of service to another.

Source of Tables 393 and 394: Interstate Commerce Commission.

No. 395.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES

NOTE.—"All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive effort and capacity of cars exclude switching roads beginning with 1910 and smaller roads during recent years; they would not be materially different if all carriers were included. The large number of cars owned by private car lines is not included

Year	Locomotives					Freight-train cars [1]			Passenger-train cars
	Total number	Steam			Electric locomotive units [2]	Total number	Capacity		
		Number	Tractive effort				Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lbs.)	Average (lbs.)					
June 30, 1900	37,663	-------	-------	-------	------	1,365,531	-------	-------	34,713
1910	60,019	-------	1,588,894	27,282	------	2,148,478	76,579	35.9	47,179
1915	66,502	66,229	[3] 2,014,201	[3] 31,546	273	2,341,567	[4] 92,238	[4] 39.6	55,810
Dec. 31, 1916	65,595	65,253	[3] 2,066,166	[3] 32,890	342	2,329,475	[4] 94,441	[4] 40.8	55,193
1917	66,070	65,699	[5] 2,087,950	[5] 33,932	371	2,379,472	[5] 95,467	[5] 41.5	55,939
1918	67,936	67,563	[5] 2,223,246	[5] 34,995	373	2,397,943	[5] 96,767	[5] 41.6	56,611
1919	68,977	68,592	[5] 2,312,634	[5] 35,789	385	2,426,889	[5] 99,001	[5] 41.9	56,290
1920	68,942	68,554	[5] 2,340,761	[5] 36,365	388	2,388,424	[5] 98,343	[5] 42.4	56,102
1921	69,122	68,733	[5] 2,385,470	[5] 36,935	389	2,378,510	[5] 98,504	[5] 42.5	56,950
1922	68,518	68,121	[5] 2,401,452	[5] 37,441	397	2,352,483	[5] 98,847	[5] 43.1	56,827
1923	69,414	69,005	[5] 2,544,115	[5] 39,177	409	2,379,131	[5] 101,318	[5] 43.8	57,159
1924	69,486	69,114	[5] 2,593,178	[5] 39,891	372	2,411,627	[5] 104,149	[5] 44.3	57,451
1925	68,092	67,713	[5] 2,586,868	[5] 40,666	379	2,414,083	[5] 105,570	[5] 44.8	56,814
1926	66,816	66,381	[5] 2,611,238	[5] 41,886	435	2,403,967	[5] 105,953	[5] 45.1	56,855
1927	65,348	64,843	[5] 2,606,171	[5] 42,798	467	2,378,800	[5] 105,846	[5] 45.5	55,729
1928	63,311	62,642	[5] 2,579,643	[5] 43,838	617	2,346,751	[5] 105,322	[5] 45.8	54,800
1929	61,257	60,572	[5] 2,550,813	[5] 44,801	621	2,323,683	[5] 105,411	[5] 46.3	53,838
1930	60,189	59,406	[5] 2,526,940	[5] 45,225	663	2,322,267	[5] 106,180	[5] 46.6	53,584
1931	58,652	57,820	[5] 2,488,861	[5] 45,764	709	2,245,904	[5] 103,422	[5] 47.0	52,096
1932	56,732	55,831	[5] 2,430,328	[5] 46,299	764	2,184,690	[5] 100,901	[5] 47.0	50,598

[1] Excludes caboose cars.
[2] Figures prior to 1928 represent "number of locomotives."
[3] Class I, Class II, and Class III roads.
[4] Class I and Class II roads.
[5] Class I roads.

No. 396.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Figures for "All operating companies" [illegible] minal companies but not circular and unofficial lines. Cars owned by private c [illegible] one-tenth of those owned by railway companies, are not included.

	All operating companies					Class I, 1932			
	1920	1925	1930	1931	1932	Total	Eastern district	Southern district	Western district
Freight cars [1]	2,388,424	2,414,083	2,322,267	2,245,904	2,184,690	2,144,631	992,766	410,159	741,706
Box	1,056,514	1,086,562	1,064,652	1,022,627	992,013	987,184	430,936	164,100	392,148
Flat	117,604	113,562	108,181	104,878	100,465	91,739	20,135	18,941	52,663
Stock	81,678	87,452	84,460	81,412	78,504	77,833	13,288	7,257	57,288
Coal	968,034	979,483	930,624	906,008	886,228	868,342	505,429	207,214	155,699
Tank	11,130	12,151	10,981	10,616	10,142	8,921	27	21	8,873
Refrigerator	60,768	49,488	41,006	38,996	37,697	37,058	2,944	5,026	29,088
Other	92,696	85,385	82,363	81,367	79,641	73,554	20,007	7,600	45,947
Steel [2]	630,150	757,065	854,864	843,542	834,924	834,924	549,834	159,791	125,299
Steel underframe [2]	886,296	1,056,125	1,118,257	1,101,565	1,078,353	1,078,353	410,421	190,529	477,403
Caboose cars	29,575	31,325	29,779	29,233	28,576	27,684	11,585	5,483	10,616
Passenger-train cars	56,102	56,814	53,584	52,096	50,598	49,353	25,117	7,474	16,762
Coaches	29,343	28,744	25,178	24,255	23,421	22,904	12,684	3,352	6,868
Combination	8,570	8,624	8,252	8,107	7,945	7,337	3,100	1,271	2,966
Emigrant	11	7	-------	-------	-------	-------	-------	-------	-------
Parlor	574	502	507	491	485	480	85	72	323
Sleeping [3]	558	377	223	215	208	208	8	5	195
Baggage and express	12,101	13,174	12,981	12,578	12,313	12,238	6,278	1,706	4,254
Postal	1,243	1,092	954	952	963	958	376	188	394
Other	3,702	4,294	5,489	5,498	5,263	5,228	2,586	880	1,762
Steel [2]	15,111	21,190	29,041	29,203	29,230	29,230	16,518	3,668	9,044
Steel underframe [2]	6,573	9,369	10,376	10,335	10,250	10,250	5,433	1,625	3,192
Company service equipment	108,485	112,592	109,527	105,794	99,557	96,268	32,442	17,167	46,659
Motor cars and trailers [2]	(4)	2,469	5,594	5,663	5,713	5,713	4,330	418	965

[1] Excludes caboose cars.
[2] Data represent Class I roads only.
[3] Does not include cars owned by Pullman Co.
[4] Data not available.

Source of Tables 395 and 396: Interstate Commerce Commission.

No. 397.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION[1]

Year ended—	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
June 30:					June 30:				
1890	749,301				1908	1,436,275	1,035,438		$721
1895	785,034	445,508		$568	1909	1,502,823	988,324		658
1900	1,017,653	577,265		567	1910	1,699,420	1,143,725		673
1901	1,071,169	610,714		570	1911	1,669,809	1,208,466		724
1902	1,189,315	676,029		568	1912	1,716,380	1,252,348		730
1903	1,312,537	757,321		577	1913	1,815,239	1,373,831		757
1904	1,296,121	817,599		631	1914	1,710,296	1,381,117		808
1905	1,382,196	839,945		608	1916	1,654,075	1,403,968	$0.266	849
1906	1,521,355	900,802		592	Dec. 31:				
1907	1,672,074	1,072,386		641	1916	1,700,814	1,506,961	.275	886

Year ended 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
1916	1,700,814	1,647,097	5,189,791	1,468,576	3,150.9	$0.283	$892
1917	1,785,893	1,732,876	5,437,977	1,739,482	3,138.1	.320	1,004
1918[3]	1,891,517	1,841,575	5,701,417	2,613,813	3,095.9	.458	1,419
1919[3]	1,960,439	1,913,422	5,032,493	2,843,128	2,630.1	.565	1,486
1920	2,075,886	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
1921	1,705,308	1,659,513	4,147,319	2,765,218	2,499.1	.667	1,666
1922	1,669,640	1,626,834	4,311,097	2,640,817	2,650.0	.613	1,623
1923	1,902,222	1,857,674	4,928,651	3,004,072	2,653.1	.610	1,617
1924	1,795,493	1,751,362	4,534,879	2,825,775	2,589.3	.623	1,613
1925	1,786,411	1,744,311	4,531,361	2,860,600	2,597.8	.631	1,640
1926	1,821,804	1,779,275	4,671,736	2,946,114	2,625.6	.631	1,656
1927	1,775,549	1,735,105	4,519,281	2,910,183	2,604.6	.644	1,677
1928	1,691,950	1,656,411	4,313,574	2,826,590	2,604.2	.655	1,706
1929	1,694,042	1,660,850	4,346,822	2,896,566	2,617.2	.666	1,744
1930	1,517,043	1,487,839	3,759,772	2,550,789	2,527.0	.678	1,714
1931	1,282,825	1,258,719	3,039,110	2,094,994	2,414.4	.689	1,664
1932	1,052,285	1,031,708	2,378,206	1,512,816	2,305.1	.636	1,466
1933	[4] 990,262	970,893	2,233,444	1,403,882	2,300.4	.629	1,446

[1] Data exclude switching and terminal companies beginning 1910. Class III roads are excluded in 1913. Exclusion of the latter [illegible] comparability of the figures. Information for 1915 is incomplete, as 20 of [illegible] id is not shown.
[2] Calculated for all [illegible] not paid on an hourly basis.
[3] Data cover Federal reports, reports of companies not under Federal control, and corporate reports.
[4] Estimated from data for Class I roads.

Source: Interstate Commerce Commission.

No. 398.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included. Average compensation in fifth and sixth columns is per day where so indicated in the stub.

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month total compensation (dollars)	
	1932	1933	1932	1933	1932	1933	1932	1933
All employees, all districts	1,048,568	986,573	1,535,928	1,427,293				
Daily basis	94,096	86,952	232,139	207,512	7.73	7.54	206	199
Hourly basis	954,472	899,621	1,303,789	1,219,781	.593	.588	113	113
Eastern district	476,035	451,684	696,238	646,541				
Daily basis	45,343	41,892	104,669	92,230	7.30	7.08	192	183
Hourly basis	430,692	409,792	591,569	554,311	.624	.619	114	113
Southern district	193,029	182,325	267,572	254,018				
Daily basis	15,503	14,510	40,708	37,498	8.11	8.00	219	215
Hourly basis	177,526	167,815	226,864	216,520	.558	.540	106	108
Western district	379,504	352,564	572,118	526,734				
Daily basis	33,250	30,550	86,762	77,784	8.12	7.93	217	212
Hourly basis	346,254	322,014	485,356	448,950	.582	.576	117	116

No. 398.—Employees and Their Compensation: Class I Carriers—Con.

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1932	1933	1932	1933	1932	1933	1932	1933
Executives, officials, and staff assistants	13,616	12,465	71,269	62,882				
Daily basis	13,616	12,465	71,269	62,882	16.65	16.22	436	420
Professional, clerical, and general	185,165	166,507	296,948	263,067				
Daily basis	40,689	37,100	87,961	78,624	7.08	7.02	180	177
Hourly basis	144,476	129,407	208,987	184,443	.590	.587	121	119
Maintenance of way and structures	215,887	200,415	195,954	180,186				
Daily basis	3,926	3,630	10,400	9,372	8.37	8.28	221	215
Hourly basis	211,961	196,785	185,554	170,814	.427	.417	73	72
Maintenance of equipment and stores	282,971	265,925	349,943	334,159				
Daily basis	10,374	9,431	27,293	24,177	8.22	7.99	219	214
Hourly basis	272,597	256,494	322,650	309,982	.582	.578	99	101
Transportation (other than train service, engine, and yard)	134,265	125,493	181,961	165,154				
Daily basis	21,414	20,617	23,702	22,169	3.21	3.16	92	90
Hourly basis	112,851	104,876	158,259	142,985	.550	.542	117	114
Transportation (yardmasters, switch tenders, and hostlers)	14,112	12,628	28,453	25,083				
Daily basis	4,077	3,709	11,514	10,288	8.08	7.95	235	231
Hourly basis	10,035	8,919	16,939	14,795	.629	.620	141	138
Transportation (train and engine service)	202,552	203,140	411,399	396,762				
Hourly basis	202,552	203,140	411,399	396,762	.773	.765	169	163

No. 399.—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	1908	52	9,529	24	8,009	596,359
1882			12	912	39,074	1909	44	10,530	5	859	78,095
1883			11	1,990	108,470	1910	39	5,257	7	735	51,428
1884			37	11,038	714,755						
1885			44	8,836	385,460	1911	39	4,593	5	2,606	210,607
						1912	44	9,786	13	3,784	182,112
1886			13	1,799	70,346	1913	49	16,286	17	9,020	477,781
1887			9	1,046	90,318	1914	68	18,608	22	4,222	199,571
1888			22	3,270	186,814	1915	85	30,223	12	20,143	1,070,809
1889			22	3,803	99,664						
1890			26	2,963	105,007	1916	80	34,804	9	4,439	208,160
						1917	82	17,376	19	2,486	61,170
1891			26	2,159	84,479	1918	74	19,208	8	3,519	242,091
1892			36	10,508	357,692	1919	65	16,590	7	244	11,887
1893			74	29,340	1,781,046	1920	61	16,290	10	541	21,620
1894	192	40,819	38	7,025	395,791						
1895	169	37,856	31	4,089	369,075	1921	68	13,512	14	1,744	63,872
						1922	64	15,259	12	4,330	329,115
1896	151	30,475	34	5,441	275,597	1923	64	12,623	10	2,218	87,914
1897	128	18,862	18	1,537	92,909	1924	61	8,105	11	920	30,223
1898	94	12,745	18	2,069	138,701	1925	53	18,687	6	11,368	680,422
1899	71	9,853	10	1,019	52,285						
1900	52	4,178	16	1,165	78,234	1926	45	17,632	6	88	2,821
						1927	40	16,752	6	924	45,237
1901	45	2,497	4	73	1,627	1928	33	5,256	1	19	529
1902	27	1,475	5	278	5,835	1929	29	5,703	3	634	30,981
1903	27	1,185	9	229	18,823	1930	30	9,486	4	4,752	277,324
1904	28	1,323	8	744	36,069						
1905	26	796	10	3,593	176,321	1931	45	12,970	19	5,195	432,152
						1932	55	22,545	13	11,817	626,577
1906	34	3,971	6	204	55,042	1933 [2]	[3]	[3]	18	21,222	1,229,678
1907	29	3,926	7	317	13,585						

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter. [2] Includes roads under trusteeship.
[3] Data not available.

Sources: Table 398, Interstate Commerce Commission; Table 399, first two columns, Interstate Commerce Commission; others, The Railway Age, Chicago.

No. 400.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

NOTE.—All amounts except "per mile of road" in millions of dollars. Switching and terminal com- [illegible] total capital [illegible] The gross [illegible] ll as larger ar [illegible]

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
1900	11,491	4,522	1,323	5,645	1,470	473	9,548	----------	4,375	5,172	54.2
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	11,947	2,720	2,128	16,402	66,699	6,583	9,819	59.9
1918	20,785	7,249	1,806	11,730	2,323	2,008	16,454	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	17,083	69,816	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	22,839	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	2,766	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	7,560	1,925	14,192	2,654	2,789	18,234	74,398	6,831	11,403	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
1928	23,747	7,809	2,034	13,904	2,759	2,477	18,511	75,316	7,084	11,427	61.7
1929	23,983	7,853	2,065	14,065	2,705	2,598	18,680	75,598	7,213	11,467	61.4
1930	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	7,186	11,880	62.3
1931	24,343	8,030	2,049	14,264	2,968	2,434	18,941	76,822	7,111	11,830	62.5
1932	24,337	8,067	2,047	14,723	3,056	2,887	18,894	76,957	7,058	11,836	62.6

No. 401.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

NOTE.—Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating [illegible] as well as operating roads are includ [illegible] cluded beginning with 1908. Dividend figures throughout cover [illegible] 1913 excludes the unimportant Class III roads. The amount [illegible] clusive 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
1901–1905	----------	3,505,694	----------	199,752	5.70	----------	285,755
1906–1910	----------	4,930,368	----------	339,685	6.89	----------	363,470
1909	7,612,411	4,920,174	64.01	321,072	6.53	4.18	382,675
1910	8,010,730	5,412,578	66.71	405,771	7.50	5.00	399,582
1911	8,363,276	5,730,250	67.65	460,195	8.03	5.42	410,327
1912	8,552,447	5,581,289	64.73	400,315	7.17	4.64	429,027
1913	8,599,993	5,780,982	66.14	369,078	6.37	4.22	434,753
1914	8,654,215	5,667,073	64.39	451,653	7.97	5.13	442,595
1915	8,635,319	5,219,847	60.45	328,478	6.29	3.80	464,186
1916	8,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
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	3.83	468,266
1919	8,883,125	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	5,646,076	62.09	411,882	7.30	4.53	551,705
1924	9,300,054	6,042,268	64.97	385,130	6.37	4.14	588,301
1925	9,413,101	6,278,532	66.70	409,645	6.52	4.35	583,875
1926	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709
1927	9,539,491	6,701,427	70.25	567,281	8.47	5.95	583,452
1928	9,722,079	7,159,989	73.65	510,018	7.12	5.25	578,831
1929	9,847,311	7,506,265	76.23	560,902	7.47	5.70	580,770
1930	10,011,538	7,702,021	76.93	603,150	7.83	6.02	588,742
1931	10,008,413	7,325,664	73.20	401,463	5.48	4.01	592,866
1932	10,042,762	3,298,822	32.85	150,774	4.57	1.50	591,340

Source of Tables 400 and 401: Interstate Commerce Commission.

No. 402.—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 subsidiaries
	All districts	Eastern district	Southern district	Western district				
Total:								
1920	20,098,046	7,881,150	3,004,582	9,212,314	18,855,220	537,113	107,269	2,598,434
1925	21,734,096	8,527,168	3,444,426	[illegible]	[illegible]	437,022	86,157	3,112,753
1930	22,782,889	9,128,919	3,658,575	[illegible]	[illegible]	349,079	64,814	3,362,720
1931	22,747,228	9,165,961	3,618,847	[illegible]	[illegible]	351,795	61,855	3,326,403
1932	22,831,546	9,257,589	3,603,531	[illegible]	[illegible]	354,884	59,315	3,402,909
Stock:								
1920	8,843,100	3,474,212	1,166,809	4,202,079	7,209,735	286,088	67,247	1,279,430
1925	9,413,101	3,771,338	1,324,472	4,317,291	7,633,456	253,208	56,452	1,469,985
1930	10,011,538	4,290,108	1,461,628	4,259,802	8,267,129	207,556	45,068	1,491,785
1931	10,008,413	4,300,465	1,460,703	4,247,245	8,271,977	212,548	43,930	1,479,958
1932	10,042,762	4,331,217	1,464,714	4,246,831	8,245,137	222,529	41,595	1,533,501
Funded debt:								
1920	11,254,946	4,406,938	1,837,773	5,010,235	9,645,495	250,425	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	12,771,351	4,838,811	2,196,947	5,735,593	10,739,147	141,523	19,746	1,870,935
1931	12,738,815	4,865,496	2,158,144	5,715,175	10,735,198	139,247	17,925	1,846,445
1932	12,788,784	4,926,372	2,138,817	5,723,595	10,769,301	132,355	17,720	1,869,408
1932								
Common stock	8,010,129	3,659,758	1,257,962	3,092,409	6,374,039	208,435	40,372	1,387,283
Preferred stock	2,032,633	671,459	206,752	1,154,422	1,871,098	14,094	1,223	146,218
Mortgage bonds	9,995,791	3,760,168	1,697,656	4,537,967	8,147,323	124,865	14,730	1,708,873
Collateral trust bonds	759,868	374,943	167,142	217,783	705,195	1,173	417	53,083
Income bonds	346,014	23,778	14,552	307,684	324,021	2,326	1,382	18,285
Miscellaneous obligations	924,003	442,875	82,045	399,083	865,273	2,922	1,157	54,651
Equipment obligations	763,108	324,608	177,422	261,078	727,489	1,069	34	34,516

No. 403.—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]	Investment per mile of road	Net railway operating income	Return on investment	Other income	Interest, rents, and other deductions	Dividends declared
		Dollars		*Per cent*			
June 30, 1908	13,213,767	61,779	634,794	4.80	246,420	485,311	329,062
1910 [2]	14,557,816	64,382	805,097	5.53	222,915	511,417	351,202
1915	17,441,420	73,208	694,276	3.98	189,300	575,198	284,267
1916	17,689,425	73,795	1,002,935	5.67	195,458	594,378	286,618
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	[3] 233,252	[3] 574,290	325,601
1918	18,984,756	78,820	646,223	3.40	[4]	[3] 667,588	279,929
1919	19,300,121	79,974	454,132	2.35	[4]	[3] 630,559	281,569
1920	19,849,320	81,954	12,101	.06	[4]	[3] 640,516	275,348
1921	20,329,224	84,530	601,139	2.96	[3] 375,001	[3] 662,375	403,991
1922	20,580,168	86,004	769,411	3.74	[3] 265,033	[3] 655,647	275,722
1923	21,372,858	89,619	974,918	4.56	[3] 260,655	[3] 667,616	353,127
1924	22,182,267	93,233	984,463	4.44	[3] 269,188	[3] 684,559	325,983
1925	23,230,916	94,917	1,136,728	4.89	272,102	706,272	349,089
1926	23,880,740	97,433	1,229,020	5.15	301,541	718,984	411,208
1927	24,453,871	99,546	1,077,843	4.41	314,396	722,485	503,146
1928	24,875,984	100,974	1,182,467	4.75	323,310	720,776	436,217
1929	25,465,036	103,197	1,262,636	4.96	362,363	728,428	495,245
1930	26,051,000	105,661	874,154	3.36	361,196	716,730	511,259
1931	26,094,899	105,953	528,204	2.02	307,785	708,622	333,986
1932	26,086,991	106,337	325,332	1.25	226,092	701,500	97,245

[1] Prior to [illegible] proprietary companies which do n[illegible] and equipment of proprietary co[illegible] 1927, $919,095,000; 1928, $1,013,752,0[illegible] $1,121,945,000. 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.

Source of Tables 402 and 403: Interstate Commerce Commission.

No. 404.—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 (thousands)	Car-miles (thousands)		Tons of revenue freight		Freight revenue		Average miles per car per day
		Loaded (revenue and nonrevenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
All roads:								
1891–1895	467,299			184		1.62		
1896–1900	489,723			229		1.76		
1901–1905	519,896	9,631,628	4,320,390	304	17.4	2.35		
1906–1910	603,105	11,754,421	5,234,008	359	19.5	2.72		
1911–1915	608,512	13,369,203	6,169,216	432	20.7	3.19		
1916–1920	617,430	15,444,150	6,904,625	604	25.3	[1] 5.30		
1921–1925	577,844	15,243,111	8,096,532	621	24.6	[1] 7.28		
1926–1930	586,389	17,357,165	10,330,175	700	24.5	[1] 7.67		
1910	635,451	12,851,295	5,498,337	380	19.8	2.86		
1911	626,496	12,859,386	5,832,515	383	19.7	2.90		
1912	612,345	13,088,332	5,767,144	407	20.2	3.02		
1913	[2] 643,841	[2] 14,271,944	[2] 6,120,861	[2] 445	[2] 21.1	[2] 3.24		
1914	607,872	13,686,818	6,531,274	447	21.1	[2] 3.31		
1915	552,004	12,939,535	6,594,287	476	21.1	[2] 3.47	[2] 15.5	
1916	632,304	15,855,103	6,779,225	552	22.8	[2] 3.93	[2] 16.3	
1917	646,402	15,911,203	6,780,872	588	24.8	[1] 4.27	[1] 17.7	
1918	628,436	14,995,557	7,167,144	621	27.0	[1] 5.33	[1] 22.9	
1919	560,499	14,273,422	6,531,570	623	25.4	[1] 6.14	[1] 24.8	[1] 23.0
1920	619,507	15,336,778	7,264,316	639	26.7	[1] 6.81	[1] 28.1	[1] 25.1
1921	519,817	12,449,086	7,309,192	567	24.6	[1] 7.38	[1] 31.4	[1] 22.4
1922	544,486	13,926,355	6,798,121	599	24.3	[1] 7.19	[1] 28.6	[1] 23.5
1923	631,167	16,374,750	8,536,002	632	25.2	[1] 7.19	[1] 28.1	[1] 27.8
1924	590,879	15,859,163	8,519,637	634	24.5	[1] 7.22	[1] 27.3	[1] 26.8
1925	602,873	16,836,710	9,319,706	663	24.6	[1] 7.41	[1] 26.9	[1] 28.5
1926	622,295	17,759,004	10,154,842	689	25.0	[1] 7.58	[1] 27.0	[1] 30.4
1927	598,435	17,390,777	10,298,061	690	24.6	[1] 7.59	[1] 26.6	[1] 30.3
1928	589,616	17,757,670	10,487,254	706	24.3	[1] 7.77	[1] 26.3	[1] 31.2
1929	598,343	18,169,092	10,805,302	718	24.5	[1] 7.86	[1] 26.4	[1] 32.3
1930	523,255	15,709,284	9,905,415	699	24.3	[1] 7.56	[1] 25.8	[1] 28.7
1931	446,261	13,087,643	8,472,144	653	23.4	[1] 6.98	[1] 24.6	[1] 24.5
1932	368,658	10,231,344	6,642,756	585	22.6	[1] 6.26	[1] 2.36	[1] 19.8
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	7.28	28.3	25.8
1926–1930	576,664	17,262,995	10,267,375	713	26.9	7.67	26.4	30.6
1930	515,131	15,637,774	9,856,061	711	26.6	7.56	25.8	28.7
1931	439,381	13,031,069	8,433,430	664	25.6	6.98	24.6	24.5
1932	362,798	10,188,952	6,614,824	598	24.8	6.26	23.6	19.8
1933	393,359	10,737,306	6,879,175	635	25.6	6.33	23.2	21.2
Eastern district:								
1916–1920	244,387	6,512,690	3,059,466	738	28.1	6.05	23.0	
1921–1925	220,500	6,183,778	3,317,411	744	28.8	8.51	30.7	22.4
1926–1930	219,468	6,956,068	4,125,220	818	28.1	8.92	28.6	26.4
1930	190,446	6,225,933	3,898,385	825	27.6	8.91	27.7	24.5
1931	162,734	5,215,130	3,356,944	771	26.4	8.20	26.1	21.2
1932	134,091	4,099,182	2,668,362	711	25.8	7.54	25.3	17.1
1933	139,754	4,267,079	2,740,203	749	26.4	7.61	24.9	18.1
Southern district:								
1916–1920	113,132	2,620,391	1,246,908	581	26.0	4.44	19.9	
1921–1925	118,509	2,857,938	1,614,396	632	29.3	6.15	26.1	30.0
1926–1930	122,815	3,314,113	2,127,953	738	30.5	6.65	25.3	36.0
1930	108,787	2,963,986	2,010,480	739	30.5	6.57	24.9	32.6
1931	94,529	2,519,692	1,727,286	696	29.7	6.20	24.3	27.4
1932	75,523	1,968,647	1,335,337	672	29.6	5.85	23.7	21.8
1933	83,239	2,135,073	1,435,210	708	30.2	6.05	23.6	24.7
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
1926–1930	234,381	6,992,814	4,014,202	606	24.0	7.08	24.8	33.4
1930	215,898	6,447,855	3,947,196	602	23.8	6.92	24.4	31.9
1931	182,118	5,296,247	3,349,200	558	22.9	6.34	23.3	27.2
1932	153,184	4,121,123	2,611,125	472	21.6	5.41	21.9	22.2
1933	170,366	4,335,154	2,703,762	506	22.5	5.42	21.3	23.7

[1] Data available for Class I roads only. [2] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 405.—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 1932 Statistical Abstract, Table 410, p. 381. Tons are of 2,000 pounds

Class and year or yearly average	Tons of revenue freight carried (thousands)		Tons carried 1 mile (millions)		Revenue ton-miles per mile of road	Average haul, revenue freight (miles)		Freight revenue	
	Originated	Total	Revenue freight	Revenue and nonrevenue		System	Individual road	Amount (1,000 dolls.)	Per ton-mile (cents)
All roads:									
1891–1895	----------	692,446	85,693	--------	506,809	--------	123.75	758,930	0.886
1896–1900	----------	874,389	113,962	--------	611,128	--------	130.33	879,837	.772
1901–1905	691,120	1,266,313	167,715	--------	820,016	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	2,051,625	.740
1916–1920	1,325,772	2,378,164	390,815	--------	1,510,297	294.78	164.33	3,419,260	.875
1921–1925	1,231,193	2,216,318	375,468	--------	1,455,688	304.96	169.41	4,377,618	1.166
1926–1930	1,364,607	2,481,018	430,310	--------	1,657,292	315.34	173.44	4,690,122	1.090
1901	583,692	1,089,226	147,077	--------	760,414	251.98	135.03	1,118,543	.750
1902	657,847	1,200,316	157,289	--------	793,351	239.10	131.04	1,207,229	.757
1903	714,768	1,304,394	173,221	--------	855,442	242.35	132.80	1,338,020	.763
1904	714,375	1,309,899	174,522	--------	829,476	244.30	133.23	1,379,003	.780
1905	784,920	1,427,732	186,463	--------	861,396	237.56	130.60	1,450,773	.766
1906	896,159	1,631,374	215,878	--------	982,401	240.89	132.33	1,640,387	.748
1907	977,489	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	1,655,419	.754
1909	881,334	1,556,560	218,803	--------	953,986	251.10	141.87	1,677,614	.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	1,781,638	253,784	--------	1,053,566	254.10	142.88	1,925,951	.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	[1] 2,058,035	301,730	--------	1,190,397	255.15	[2] 144.40	[1] 2,198,931	[1] .729
1914	1,129,992	2,002,026	288,637	--------	1,125,084	255.43	144.17	2,126,717	.737
1915	1,023,803	1,828,692	277,135	--------	1,075,962	270.69	151.55	2,037,926	.735
1916	1,317,246	2,347,396	366,173	--------	1,409,957	277.98	155.99	2,631,092	.719
1917	1,382,005	2,453,423	398,263	--------	1,538,211	288.18	162.33	2,897,436	.728
1918	1,376,845	2,477,092	408,778	--------	1,582,796	296.89	165.02	3,522,052	.862
1919	1,189,765	2,185,285	367,161	--------	1,423,390	308.60	168.60	3,624,886	.987
1920	1,362,999	2,427,622	413,699	--------	1,597,133	303.52	170.41	4,420,833	1.069
1921	1,017,818	1,808,836	309,533	--------	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	1,387,755	2,503,117	416,256	--------	1,615,741	299.94	166.29	4,712,495	1.132
1924	1,287,413	2,331,291	391,945	--------	1,581,556	304.44	168.12	4,437,380	1.132
1925	1,351,155	2,463,725	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	4,905,981	1.096
1927	1,372,547	2,510,054	432,014	--------	1,668,800	314.75	172.11	4,728,885	1.095
1928	1,371,359	2,504,196	436,087	--------	1,677,089	318.00	174.14	4,771,562	1.094
1929	1,419,383	2,584,333	450,189	--------	1,727,786	317.17	174.20	4,899,168	1.088
1930	1,220,134	2,179,015	385,815	--------	1,481,199	316.21	177.06	4,145,015	1.074
1931	944,846	1,694,075	311,073	--------	1,196,960	329.23	183.62	3,302,324	1.062
1932	678,854	1,229,078	235,309	--------	908,296	346.63	191.45	2,485,475	1.056
Class I roads:									
1921–1925	1,135,499	2,068,262	372,216	409,740	1,581,865	327.80	179.97	4,277,134	1.149
1926–1930	1,279,197	2,341,062	427,234	468,347	1,782,344	333.99	182.50	4,600,341	1.077
1931	894,186	1,605,034	309,225	338,218	1,276,861	345.82	192.66	3,248,754	1.051
1932	646,223	1,168,289	233,977	257,276	968,772	362.07	200.27	2,446,864	1.046
1933	698,943	1,258,823	249,779	275,083	1,043,438	357.37	199.92	2,491,336	.997
Eastern district:									
1921–1925	510,141	1,112,147	166,644	178,569	2,827,013	326.66	149.84	1,906,544	1.144
1926–1930	547,987	1,227,180	182,768	196,477	3,070,369	333.53	148.93	1,993,945	1.091
1931	386,210	815,595	128,656	138,585	2,153,994	333.12	157.74	1,368,022	1.063
1932	286,549	604,930	98,578	106,668	1,653,887	344.02	162.96	1,046,141	1.061
1933	305,305	650,091	104,700	112,823	1,783,115	342.94	161.80	1,063,930	1.016
Southern district:									
1921–1925	234,018	353,728	77,047	84,282	1,756,460	329.24	217.81	749,632	.973
1926–1930	294,051	430,198	93,552	101,847	2,059,316	318.15	217.46	842,994	.901
1931	211,007	308,709	69,525	75,706	1,507,609	329.49	225.21	619,351	.891
1932	160,646	231,583	54,477	59,140	1,181,906	339.11	235.24	473,963	.870
1933	171,791	253,681	58,934	64,565	1,295,988	343.06	232.72	503,276	.854
Western district:									
1921–1925	391,340	602,387	128,525	146,889	970,062	328.42	213.36	1,620,958	1.261
1926–1930	437,159	683,684	150,914	170,023	1,119,969	345.22	220.74	1,763,402	1.168
1931	296,969	480,730	111,044	123,927	814,519	373.92	230.99	1,261,380	1.136
1932	199,028	331,776	80,922	91,468	595,793	406.59	243.91	926,760	1.145
1933	221,847	355,051	86,145	97,695	637,217	388.32	246.80	924,130	1.073

[1] Class I and Class II roads.
[2] Data included for Class II and Class III roads are partially estimated.

Source: Interstate Commerce Commission

No. 406.—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)													
1912	249.8	209.2	216.1	235.8	219.2	232.3	242.9	253.0	275.8	274.4	298.2	275.9	264.4
1913	260.9	247.0	229.9	245.9	242.3	262.1	258.9	266.3	279.6	283.4	296.3	266.6	252.4
1914	244.0	231.3	207.1	247.5	235.4	237.7	249.3	256.0	267.1	269.6	266.6	233.8	226.3
1915	256.6	214.1	205.1	231.5	231.0	237.9	249.5	259.2	273.1	287.2	303.7	299.1	288.1
1916	302.1	260.9	262.8	290.2	282.0	301.0	300.0	303.2	327.2	325.3	338.7	322.7	311.1
1917	337.4	300.8	265.4	317.1	319.3	345.9	349.7	348.4	366.2	358.8	382.5	357.3	337.1
1918	410.5	285.4	290.0	366.4	371.6	379.0	395.2	470.4	504.7	489.7	490.8	440.9	441.5
1919	432.0	397.2	352.4	377.4	389.5	413.9	426.1	455.3	471.7	498.6	509.8	438.1	453.4
1920	519.0	500.8	424.6	460.2	402.3	457.6	494.7	529.1	555.5	618.9	641.8	592.1	550.6
1921	464.2	470.4	406.5	459.0	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	523.6	513.6
1923	523.9	502.5	446.9	535.8	523.3	548.1	541.3	536.3	564.5	546.1	587.9	532.0	494.6
1924	499.0	469.0	479.5	505.4	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	489.0	507.0	522.5	555.5	565.6	591.5	533.0	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	517.6	487.6	469.6	531.6	498.9	519.6	517.5	509.7	557.8	565.5	581.0	504.3	467.7
1928	515.7	458.2	456.8	506.1	475.1	511.5	503.2	513.7	558.8	556.9	618.8	532.1	496.8
1929	529.9	487.5	476.2	517.6	514.7	538.6	532.6	558.4	587.3	567.4	609.4	499.8	469.4
1930	445.3	451.5	428.1	453.0	451.2	463.3	445.0	457.1	466.4	467.5	483.5	398.8	378.0
1931	353.0	366.0	336.7	376.2	369.8	369.0	369.8	377.0	364.4	350.3	363.2	305.4	288.6
1932	263.5	275.3	267.3	290.0	267.8	254.7	246.2	237.8	252.1	272.5	298.5	253.6	246.1
1933	261.2	229.2	214.7	220.7	227.6	258.4	281.8	297.6	301.0	295.9	298.1	260.8	248.3
FREIGHT REVENUE (millions of dollars)													
1917	236.1	211.7	185.1	227.3	227.9	251.9	247.3	241.6	250.3	242.2	271.4	254.7	221.7
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	346.7	368.5	303.5	303.7
1920	360.6	311.6	299.2	324.6	268.8	314.1	340.3	356.1	369.6	438.9	480.4	436.9	386.6
1921	327.2	324.9	284.2	320.8	304.8	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	299.6	326.5	355.9	406.4	389.9	364.2
1923	385.5	367.0	326.8	398.8	386.3	405.5	387.3	379.3	402.1	390.9	441.5	395.9	344.1
1924	362.4	333.4	352.7	371.7	342.9	344.8	323.4	340.1	358.5	399.2	439.0	381.0	362.2
1925	379.4	350.8	336.9	360.8	347.2	359.4	366.1	377.5	403.4	419.7	450.6	402.5	379.5
1926	401.7	347.8	340.8	402.0	370.6	385.5	397.8	409.5	429.6	445.0	472.4	433.5	384.9
1927	387.5	358.1	354.1	406.6	371.6	391.3	382.2	370.1	415.3	426.9	452.9	386.0	334.9
1928	391.4	338.0	346.3	388.4	356.6	391.7	370.8	382.2	421.8	424.1	493.1	415.9	368.1
1929	402.6	367.2	363.8	393.9	393.7	412.8	391.1	417.1	446.6	435.5	483.6	384.5	341.2
1930	340.2	338.2	327.2	345.4	345.8	354.4	331.6	347.3	354.7	363.4	385.7	311.0	280.9
1931	271.4	277.1	257.5	291.3	283.7	283.1	281.3	290.2	280.0	270.2	289.2	238.5	214.5
1932	204.4	208.5	205.4	225.0	208.8	194.3	185.9	179.9	195.0	214.6	244.1	203.1	188.2
1933	207.9	179.3	169.3	175.4	181.1	207.6	223.4	240.3	241.4	235.6	239.7	210.0	191.8
PASSENGER REVENUE (millions of dollars)													
1927	81.4	86.0	74.3	76.7	77.4	78.6	86.0	91.7	91.7	86.3	75.2	70.9	81.9
1928	75.2	78.6	69.5	70.6	71.1	70.4	81.8	82.8	85.2	80.2	69.7	65.3	76.7
1929	72.8	75.0	68.4	71.9	67.5	68.9	79.3	79.6	84.3	75.8	66.2	62.5	74.5
1930	60.8	70.5	61.3	61.8	59.6	60.4	67.2	65.8	67.4	59.1	52.4	48.7	55.4
1931	45.9	53.3	46.5	47.1	47.3	47.0	51.0	50.3	49.2	44.8	38.2	35.9	40.6
1932	31.4	38.0	33.9	34.4	31.0	31.3	32.6	32.7	31.4	30.5	26.2	24.9	30.2
1933	27.4	26.7	23.6	21.9	22.9	23.9	31.0	31.0	32.2	32.0	29.8	25.0	29.3
FREIGHT TON-MILES (millions) [1]													
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	33,353
1920	37,445	34,964	32,958	37,865	28,592	37,892	38,246	40,449	42,734	40,998	42,570	37,349	34,726
1921	34,478	29,784	24,915	26,816	25,591	28,220	28,146	28,402	30,420	30,864	36,672	29,222	35,723
1922	31,320	27,151	28,451	32,941	24,735	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	39,598	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	31,968	33,185	36,457	39,064	43,134	38,067	35,006
1925	38,007	37,026	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	37,680	35,405	38,669	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	45,537	37,250	34,592
1928	39,769	36,289	35,723	39,486	35,887	39,263	37,307	39,153	42,425	43,791	48,234	41,991	37,673
1929	41,026	39,210	38,140	40,228	38,346	41,846	40,740	42,009	44,950	44,222	47,836	38,741	36,046
1930	35,179	36,718	34,347	35,301	34,900	36,573	34,417	35,595	37,423	36,232	39,294	32,310	29,034
1931	28,346	30,308	27,097	29,961	28,711	30,016	28,254	30,276	29,361	27,842	30,579	25,084	22,662
1932	21,587	22,855	21,718	23,581	21,259	19,872	18,673	19,065	20,071	22,709	26,375	21,759	21,107
1933	22,928	19,987	19,118	19,351	19,831	21,732	23,712	26,460	26,468	26,130	26,412	23,936	22,001

[1] Exclusive of switching and terminal companies.

Source: Interstate Commerce Commission.

No. 407.—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 train 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	13,863	26.64	345,457	----------	279,900	.99	2.02	39
1901–1905	681,261	20,737	30.44	423,244	----------	416,609	1.11	2.01	45
1906–1910	885,003	28,683	32.41	509,868	----------	566,815	1.26	1.98	53
1911–1915	1,018,804	33,768	33.14	587,501	3,264,399	672,792	1.32	1.99	54
1916–1920	1,152,566	42,548	36.92	560,364	3,416,933	1,021,536	[1] 2.13	2.40	[1] 72
1921–1925	982,320	36,869	37.53	571,455	3,603,117	1,112,634	[1] 2.47	3.02	[1] 65
1926–1930	801,503	31,846	39.73	569,310	3,818,089	908,341	[1] 2.15	2.85	[1] 56
1905	738,835	23,800	32.21	459,827	----------	472,695	1.16	1.96	48
1906	797,946	25,167	31.54	479,038	----------	510,033	1.20	2.00	49
1907	873,905	27,719	31.72	509,328	----------	564,606	1.26	2.01	51
1908	890,010	29,083	32.86	505,946	2,705,660	566,833	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	628,992	1.30	1.94	56
1911	997,410	33,202	33.48	572,929	3,136,774	657,638	1.31	1.97	55
1912	1,004,081	33,132	33.18	585,854	3,235,634	660,373	1.29	1.99	53
1913	1,043,603	34,673	33.31	[2] 593,061	[2] 3,320,488	[2] 695,988	[2] 1.36	[2] 2.01	[2] 55
1914	1,063,249	35,357	33.25	605,212	3,399,604	703,484	[2] 1.34	1.99	[2] 56
1915	985,676	32,475	32.95	580,448	3,229,496	646,475	[2] 1.31	1.99	[2] 53
1916	1,048,987	35,220	33.58	595,441	3,409,639	722,359	[2] 1.44	2.05	[2] 56
1917	1,109,943	40,100	36.13	593,338	3,485,788	840,910	[1] 1.69	2.10	[1] 65
1918	1,122,963	43,212	38.48	544,327	3,276,489	1,046,166	[1] 2.23	2.42	[1] 76
1919	1,211,022	46,838	38.68	553,147	3,446,787	1,193,431	[1] 2.46	2.55	[1] 82
1920	1,269,913	47,370	37.30	574,826	3,618,617	1,304,815	[1] 2.78	2.76	[1] 80
1921	1,061,131	37,706	35.53	568,242	3,503,514	1,166,252	[1] 2.51	3.09	[1] 67
1922	989,509	35,811	36.19	553,919	3,445,869	1,087,516	[1] 2.50	3.04	[1] 65
1923	1,008,538	38,294	37.97	573,938	3,616,342	1,158,925	[1] 2.56	3.03	[1] 67
1924	950,459	36,368	38.26	579,384	3,676,746	1,085,672	[1] 2.41	2.99	[1] 63
1925	901,963	36,167	40.10	581,792	3,773,114	1,064,806	[1] 2.37	2.94	[1] 63
1926	874,589	35,673	40.79	584,972	3,862,610	1,049,210	[1] 2.33	2.94	[1] 61
1927	840,030	33,798	40.23	578,355	3,850,116	980,528	[1] 2.23	2.90	[1] 59
1928	798,476	31,718	39.72	570,038	3,815,337	905,271	[1] 2.13	2.85	[1] 56
1929	786,432	31,165	39.63	568,095	3,870,903	875,929	[1] 2.18	2.81	[1] 55
1930	707,987	26,876	37.96	545,091	3,691,480	730,766	[1] 1.85	2.72	[1] 49
1931	599,227	21,933	36.60	485,538	3,274,812	551,726	[1] 1.61	2.52	[1] 45
1932	480,718	16,997	35.36	419,088	2,743,437	377,511	[1] 1.33	2.22	[1] 40
Class I roads:									
1916–1920	1,114,055	41,989	37.69	556,495	3,406,925	1,005,690	2.13	2.40	72
1921–1925	962,153	36,556	37.99	558,568	3,572,292	1,100,602	2.47	3.01	65
1926–1930	793,335	31,724	39.99	560,633	3,800,669	903,748	2.15	2.85	56
1930	703,598	26,815	38.11	538,709	3,680,136	728,488	1.85	2.72	49
1931	596,391	21,894	36.71	480,367	3,265,923	550,250	1.61	2.51	45
1932	478,800	16,971	35.44	414,383	2,735,614	376,539	1.33	2.22	40
1933	432,950	16,345	37.75	384,938	2,565,986	329,012	-------	2.01	42
Eastern district:									
1921–1925	642,356	18,636	29.01	230,179	1,507,410	528,429	2.84	2.84	81
1926–1930	571,978	17,392	30.41	234,631	1,642,826	474,330	2.61	2.73	74
1930	520,656	15,372	29.52	226,884	1,619,038	403,757	2.32	2.63	67
1931	448,834	12,912	28.77	206,783	1,470,923	316,875	2.03	2.45	62
1932	362,424	10,171	28.06	179,587	1,239,635	224,842	1.71	2.21	56
1933	317,219	9,500	29.95	166,690	1,143,536	197,216	-------	2.08	57
Southern district:									
1921–1925	108,845	5,191	47.69	96,314	582,587	174,435	2.22	3.36	53
1926–1930	78,652	4,110	52.26	97,851	625,385	132,664	1.78	3.23	42
1930	63,990	3,061	47.83	92,426	587,308	93,914	1.42	3.07	33
1931	48,702	2,292	47.07	80,984	515,450	66,331	1.20	2.89	28
1932	36,957	1,830	49.52	70,385	437,775	42,841	.97	2.34	25
1933	43,441	2,020	46.50	66,679	428,015	38,851	-------	1.92	30
Western district:									
1921–1925	210,952	12,729	60.34	232,075	1,482,295	397,738	2.21	3.12	54
1926–1930	142,705	10,222	71.63	228,151	1,532,458	296,764	1.83	2.90	44
1930	118,952	8,382	70.47	219,399	1,473,790	230,817	1.55	2.75	38
1931	98,855	6,690	67.67	192,600	1,279,550	167,044	1.32	2.50	34
1932	79,419	4,970	62.58	164,411	1,058,204	108,856	1.06	2.19	29
1933	72,290	4,825	66.74	151,569	994,435	92,945	-------	1.93	32

[1] Data available for Class I only.

[2] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 408.—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 409. Switching and terminal cor[illegible] beginning with 1908; operating revenues of switching and terminal companies, 1[illegible] $51,734,000; operating expenses, 1931, $56,017,000; 1932, $40,997,000. For certain [illegible] dividual years 1890 to 1900, see 1932 Statistical Abstract, Table 411

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	1,127,531	759,588	367,942	34,915	333,027	$6,657	$2,172	67.37
1896–1900	186,001	1,264,048	832,377	431,671	41,970	389,701	6,796	2,321	65.85
1901–1905	206,050	1,854,682	1,226,737	627,945	53,106	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	3,586	67.46
1911–1915	246,952	3,007,262	2,123,282	883,980	123,345	729,172	12,164	3,578	70.61
1916–1920	258,295	4,870,468	3,971,453	899,015	227,680	624,304	18,856	3,481	81.54
1921–1925	257,932	6,003,699	4,684,135	1,319,563	328,822	899,332	23,276	5,116	78.02
1926–1930	259,646	6,139,269	4,502,029	1,637,240	386,732	1,125,224	23,645	6,306	73.33
1902	200,155	1,726,380	1,116,249	610,131	50,054	560,077	8,625	3,048	64.66
1903	205,314	1,900,847	1,257,539	643,308	53,252	590,056	9,258	3,133	66.16
1904	212,243	1,975,174	1,338,896	636,278	56,802	579,476	9,306	2,998	67.79
1905	216,974	2,082,482	1,390,602	691,880	58,712	633,168	9,598	3,189	66.78
1906	222,340	2,325,765	1,536,877	788,888	69,064	719,824	10,460	3,548	66.08
1907	227,455	2,589,106	1,748,516	840,590	73,743	766,846	11,383	3,696	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	66.72
1910	236,987	2,812,142	1,881,879	930,263	98,035	805,097	11,866	3,925	66.92
1911	243,434	2,852,855	1,976,332	876,523	102,657	744,669	11,719	3,601	69.28
1912	246,829	2,906,416	2,035,058	871,358	113,819	727,458	11,775	3,530	70.02
1913	[1]242,657	[1]3,193,118	[1]2,235,923	[1]957,195	[1]122,005	[1]805,266	[1]13,159	[1]3,945	[1]70.02
1914	254,775	3,127,730	2,280,416	847,314	140,470	674,190	12,276	3,326	72.91
1915	256,214	2,956,193	2,088,683	867,510	137,775	694,276	11,538	3,386	70.65
1916	257,325	3,691,065	2,426,251	1,264,815	161,825	1,058,506	14,344	4,915	65.73
1917	258,913	4,115,413	2,906,283	1,209,130	218,632	950,557	15,895	4,670	70.62
1918	258,203	4,985,290	4,071,522	913,768	229,533	646,223	19,303	3,538	81.67
1919	257,949	5,250,420	4,498,817	751,603	239,136	454,132	20,354	2,914	85.68
1920	259,026	6,310,151	5,954,394	355,757	289,272	12,101	24,361	1,373	94.36
1921	258,089	5,632,665	4,668,998	963,667	283,163	601,139	21,825	3,734	82.89
1922	257,195	5,674,483	4,509,991	1,164,492	308,145	769,411	22,063	4,528	79.48
1923	257,625	6,419,210	4,999,383	1,419,827	339,577	974,918	24,917	5,511	77.88
1924	258,104	6,045,252	4,608,807	1,436,445	347,437	984,463	23,422	5,565	76.24
1925	258,646	6,246,883	4,633,497	1,613,386	365,790	1,136,728	24,152	6,238	74.17
1926	258,295	6,508,679	4,766,235	1,742,444	396,538	1,229,020	25,199	6,746	73.23
1927	258,877	6,245,716	4,662,521	1,583,195	383,112	1,077,842	24,126	6,116	74.65
1928	260,026	6,212,464	4,508,606	1,703,858	395,631	1,182,467	23,892	6,553	72.57
1929	260,558	6,373,004	4,579,162	1,793,842	402,698	1,262,636	24,459	6,885	71.85
1930	260,475	5,356,484	3,993,621	1,362,863	353,881	874,154	20,564	5,232	74.56
1931	259,886	4,246,385	3,273,906	972,479	308,492	528,204	16,339	3,742	77.10
1932	259,066	3,168,537	2,441,814	726,723	279,263	325,332	12,231	2,805	77.06
Class I roads:									
1916–1920	232,974	4,763,039	3,879,220	883,819	219,774	616,987	20,445	3,794	81.44
1921–1925	235,302	5,881,855	4,583,425	1,298,431	321,536	883,599	24,997	5,518	77.92
1926–1930	239,703	6,038,339	4,421,699	1,616,640	379,941	1,114,903	25,191	6,744	73.23
1931	242,176	4,188,343	3,223,575	964,768	303,528	525,628	17,295	3,984	76.97
1932	241,519	3,126,760	2,403,445	723,315	275,135	326,298	12,946	2,995	76.87
1933	240,744	3,095,446	2,249,319	846,127	249,540	474,369	12,858	3,515	72.67
Eastern district:									
1921–1925	58,947	2,668,020	2,125,217	542,803	128,138	364,374	45,261	9,208	79.66
1926–1930	59,526	2,718,136	2,026,514	691,622	156,454	473,330	45,663	11,619	74.56
1931	59,729	1,868,461	1,466,842	401,619	125,331	205,992	31,282	6,724	78.51
1932	59,604	1,416,801	1,076,555	340,246	116,867	159,696	23,770	5,708	75.98
1933	59,455	1,389,133	1,006,546	382,587	104,463	213,763	23,364	6,435	72.46
Southern district:									
1921–1925	43,865	992,307	762,100	230,207	54,088	170,826	22,622	5,248	76.80
1926–1930	45,429	1,047,501	757,713	289,788	71,462	216,138	23,058	6,379	72.34
1931	46,116	739,244	564,660	174,584	56,931	109,941	16,030	3,786	76.38
1932	46,092	558,408	417,791	140,617	50,305	83,226	12,115	3,051	74.82
1933	45,720	583,063	399,750	183,313	47,209	127,806	12,753	4,009	68.56
Western district:									
1921–1925	132,490	2,221,528	1,696,108	525,421	139,310	348,399	16,767	3,966	76.35
1926–1930	134,748	2,272,702	1,637,472	635,230	152,025	425,435	16,866	4,714	72.05
1931	136,331	1,580,638	1,192,073	388,565	121,266	209,695	11,594	2,850	75.42
1932	135,823	1,151,551	909,099	242,452	107,963	83,376	8,478	1,785	78.95
1933	135,569	1,123,250	843,023	280,227	97,868	132,800	8,285	2,067	75.05

[1] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 409.—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)	1926–1930 (average)	1930	1931	1932	1933 [1]
Revenues	4,763,039	5,881,856	6,038,339	5,281,197	4,188,343	3,126,760	3,095,446
Freight	3,336,480	4,277,134	4,600,341	4,075,698	3,248,753	2,446,864	2,492,735
Passenger	1,005,690	1,100,603	903,748	728,488	550,250	376,539	329,342
Mail	76,508	94,900	111,887	111,450	105,423	97,162	91,871
Express	118,933	137,886	139,570	114,664	82,775	53,933	45,640
All other transportation	92,041	129,878	136,665	118,945	98,718	77,905	71,803
All other	133,387	141,455	146,128	131,952	102,424	74,307	64,055
Expenses	3,879,220	4,583,425	4,421,699	3,930,929	3,223,575	2,403,445	2,249,319
Maintenance, way, etc.	663,681	781,577	826,826	705,471	530,613	351,179	322,335
Maintenance, equipment	1,040,185	1,297,802	1,178,252	1,019,265	816,954	618,941	598,704
Traffic	59,749	93,919	123,608	127,834	117,218	96,223	85,824
Transportation	1,947,814	2,194,358	2,054,865	1,841,728	1,538,469	1,154,318	1,078,006
All other	167,791	215,769	238,148	236,631	220,321	182,784	164,450
Net revenue from railway operations	883,819	1,298,431	1,616,640	1,350,268	964,768	723,315	846,127
Deduct—							
Tax accruals	219,774	321,536	379,941	348,554	303,528	275,135	249,540
Uncollectible revenues	868	1,895	1,427	1,049	891	1,027	1,208
Equipment rents	25,647	67,659	91,786	99,756	99,193	85,102	85,030
Joint facility rents	20,543	23,742	28,583	32,030	35,528	35,753	35,980
Net railway operating income	616,987	883,599	1,114,903	868,879	525,628	326,298	474,369

Item	Eastern district			Southern district			Western district		
	1931	1932	1933 [1]	1931	1932	1933 [1]	1931	1932	1933 [1]
Revenues	1,868,461	1,416,801	1,389,133	739,244	558,408	583,063	1,580,638	1,151,551	1,123,250
Freight	1,368,022	1,046,141	1,062,290	619,351	473,963	503,273	1,261,380	926,760	927,172
Passenger	316,875	224,843	197,409	66,331	42,840	38,851	167,044	108,856	93,082
Mail	40,847	38,453	35,930	17,609	16,358	15,787	46,967	42,351	40,154
Express	37,083	23,522	19,867	13,070	9,031	8,691	32,622	21,430	17,082
All other transportation	54,798	44,737	39,578	8,961	6,367	6,458	34,959	26,801	25,767
All other	50,836	39,105	34,059	13,922	9,849	10,003	37,666	25,353	19,993
Expenses	1,466,842	1,076,555	1,006,545	564,660	417,791	399,751	1,192,073	909,099	843,023
Maintenance, way, etc.	222,225	139,710	129,428	103,173	68,939	63,062	205,215	142,530	129,845
Maintenance, equipment	375,614	280,875	270,474	149,769	112,776	113,061	291,571	225,290	215,169
Traffic	45,625	36,635	32,033	21,705	17,749	16,241	49,888	41,839	37,550
Transportation	725,410	539,537	501,470	254,306	188,734	180,572	558,753	426,047	395,964
All other	97,968	79,798	73,140	35,707	29,593	26,815	86,646	73,393	64,495
Net revenue from railway operations	401,619	340,246	382,588	174,584	140,617	183,312	388,565	242,452	280,227
Deduct—									
Tax accruals	125,331	116,867	104,463	56,931	50,305	47,209	121,266	107,963	97,868
Uncollectible revenues	335	438	520	182	181	163	374	408	525
Equipment rents	50,613	43,432	44,034	4,185	3,225	4,214	44,395	38,445	36,782
Joint facility rents	19,348	19,813	19,808	3,345	3,680	3,920	12,835	12,260	12,252
Net railway operating income	205,992	159,696	213,763	109,941	83,226	127,806	209,695	83,376	132,800

[1] Water line transportation apportioned to the several accounts; included in "All other" in prior years.

Source: Interstate Commerce Commission.

No. 410.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE. Data were Class panies, $12,517,630; grand total $292,709,232.

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1916	1920	1925	1930	1931	1932	1920	1930	1931	1932
Total	162,475	282,751	359,370	349,207	303,504	275,557	1,262	1,519	1,320	1,205
United States Government taxes	12,531	50,543	87,680	40,986	10,404	12,448	226	178	45	54
New England:										
Maine	1,026	1,725	1,977	1,908	1,821	1,402	831	963	919	708
New Hampshire	746	1,005	1,042	1,125	1,126	1,005	827	990	991	910
Vermont	491	451	453	407	481	502	608	540	643	672
Massachusetts	2,575	3,339	3,920	4,709	4,517	4,114	1,616	2,369	2,282	2,076
Rhode Island	397	585	604	687	715	708	2,996	3,933	4,016	3,741
Connecticut	1,114	1,975	2,058	1,672	1,396	1,024	1,977	1,737	1,443	1,057
Middle Atlantic:										
New York	11,724	17,861	22,613	27,378	27,854	27,616	2,271	3,491	3,550	3,522
New Jersey	7,656	11,189	17,355	20,442	20,965	21,134	5,292	9,951	10,256	10,321
Pennsylvania	9,957	9,342	11,134	12,440	12,001	9,540	945	1,235	1,188	941
South Atlantic:										
Delaware	153	165	182	166	165	162	493	567	565	554
Dist. of Columbia	64	79	126	144	155	156	2,291	4,178	4,481	4,515
[illegible]	1,211	2,004	1,352	2,076	1,948	1,900	1,591	1,829	1,722	1,680
[illegible]	3,012	4,695	5,614	7,318	6,838	5,896	1,129	1,759	1,633	1,414
[illegible]	2,355	3,879	6,046	8,109	8,302	7,920	1,195	2,193	2,280	2,185
[illegible]	1,706	2,129	4,748	5,392	5,019	4,361	552	1,399	1,308	1,166
[illegible]	1,091	1,951	2,840	3,489	3,078	2,520	623	1,106	976	804
Georgia	1,957	2,481	3,310	3,966	3,694	3,099	455	719	669	563
Florida	1,572	2,167	3,888	4,964	4,372	3,018	542	965	852	596
East North Central:										
Ohio	10,618	16,841	18,518	19,928	18,619	16,889	2,048	2,334	2,190	1,997
Indiana	5,803	9,422	11,627	13,852	12,470	8,987	1,328	2,011	1,814	1,311
Illinois	9,049	16,422	21,576	22,084	21,178	20,367	1,421	1,827	1,756	1,697
Michigan	4,220	7,579	7,656	10,816	9,727	8,298	1,083	1,469	1,329	1,164
Wisconsin	4,968	6,876	7,295	7,201	6,877	6,393	995	1,034	994	927
West North Central:										
Minnesota	6,445	9,753	7,965	6,778	4,850	3,425	1,151	823	589	416
Iowa	3,871	7,855	6,842	8,026	7,025	5,973	808	831	728	623
Missouri	2,258	3,359	3,716	4,284	3,776	3,739	457	566	494	505
North Dakota	2,289	4,997	4,290	4,110	4,169	3,230	969	799	809	628
South Dakota	1,635	3,718	3,161	2,696	2,554	2,396	900	644	613	575
Nebraska	2,704	4,159	4,747	4,622	4,349	4,086	677	749	705	663
Kansas	4,108	6,188	6,670	8,871	8,577	7,253	688	968	937	793
East South Central:										
Kentucky	2,018	2,184	4,246	5,373	5,049	4,447	624	1,411	1,335	1,200
Tennessee	1,718	2,584	3,107	3,629	3,182	2,463	702	1,002	879	684
Alabama	1,751	2,548	2,687	3,681	3,610	3,044	560	797	782	662
Mississippi	1,916	3,612	5,064	5,047	3,469	3,586	942	1,322	912	944
West South Central:										
Louisiana	2,235	3,788	4,578	5,098	4,948	4,494	971	1,280	1,244	1,131
Texas	4,656	5,098	6,514	7,614	7,697	6,417	364	494	495	418
Oklahoma	3,653	5,463	5,682	6,468	6,515	5,720	864	994	996	875
Arkansas	2,248	3,912	2,663	3,025	3,087	2,807	948	690	705	644
Mountain:										
Montana	2,781	4,284	4,728	5,178	5,146	4,879	871	1,016	1,014	962
Wyoming	901	1,213	1,659	1,970	2,049	1,981	686	1,071	1,114	1,077
Colorado	2,451	3,344	3,719	4,271	4,136	3,495	729	972	943	798
New Mexico	1,179	2,467	2,212	2,785	2,729	2,570	915	993	957	906
Arizona	1,341	1,572	2,485	3,100	3,283	3,253	776	1,403	1,495	1,494
Utah	1,123	1,856	2,161	2,404	2,412	2,391	907	1,142	1,164	1,160
Nevada	1,028	1,543	1,762	1,970	2,198	2,182	942	1,163	1,280	1,275
Idaho	1,475	3,844	2,872	3,244	3,270	3,140	1,500	1,219	1,229	1,188
Pacific:										
Washington	4,064	8,795	6,647	7,430	6,596	6,336	1,698	1,480	1,309	1,264
Oregon	1,492	2,722	2,736	3,064	2,858	2,436	1,060	1,119	1,044	886
California	5,142	7,187	12,863	13,210	12,248	10,355	1,071	1,842	1,685	1,400

Source: Interstate Commerce Commission.

No. 411.—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 beginning with 1908. Figures for 1911 to 1915, inclusive, exclude Class III roads but this affects the comparability very slightly; those after 1916 exclude both Class II and Class III, thereby reducing the grand total about 6 per cent. Non-revenue 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	Products of agriculture	Animals and products	Products of mines		Products of forests	Manufactures and miscellaneous	
				Coal and coke	Other		Carload shipments	Less than carload
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1906–1910	[1] 930,255	73,864	20,000	324,282	147,864	98,879	162,225	33,991
1911–1915 [2]	[1] 1,053,648	99,095	25,731	392,808	192,058	101,143	181,191	41,314
Class I:								
1916	[1] 1,203,367	113,635	30,473	429,751	250,342	93,819	231,038	52,911
1917	1,264,016	104,629	31,858	481,632	251,021	100,838	240,269	53,769
1918	1,263,344	116,051	35,777	500,769	234,027	97,256	226,077	53,387
1919	1,096,111	115,033	35,494	399,072	190,879	94,076	210,256	51,302
1920	1,255,421	110,840	26,595	489,344	222,810	100,766	251,864	53,202
1921	940,183	114,069	24,263	376,220	135,050	76,419	172,169	41,992
1922	1,023,745	111,787	26,230	351,846	181,152	89,059	220,442	43,229
1923	1,279,030	109,318	28,254	471,854	241,881	115,618	267,767	44,338
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	40,557
1926	1,336,142	111,787	26,243	486,944	270,759	104,851	296,067	39,491
1927	1,281,611	113,342	26,003	449,891	263,511	99,351	291,073	38,440
1928	1,285,943	118,022	25,634	432,296	264,287	96,737	312,013	36,954
1929	1,339,091	115,343	24,907	459,397	278,482	94,855	330,064	36,043
1930	1,153,197	110,729	23,129	407,937	234,600	69,370	277,765	29,667
1931	894,186	97,487	21,632	339,536	162,367	43,025	207,366	22,773
1932	646,223	80,917	18,055	281,224	81,002	26,109	143,682	15,234
1933	698,943	81,702	17,651	296,478	98,587	33,165	157,009	14,351
Eastern district:								
1931	386,210	19,298	5,310	181,337	47,069	5,360	116,343	11,493
1932	286,549	17,656	4,392	147,966	27,426	3,225	78,250	7,634
1933	305,305	16,518	4,400	158,446	27,319	3,234	88,245	7,143
Southern district:								
1931	211,007	12,048	1,474	123,357	29,147	13,854	26,449	4,678
1932	160,646	9,742	1,215	103,218	16,211	8,893	18,076	3,201
1933	171,791	9,926	1,274	110,074	16,296	10,899	20,156	3,166
Western district:								
1931	296,969	66,141	114,848	34,842	86,151	23,811	64,574	6,602
1932	199,028	53,519	12,448	30,040	37,365	13,991	47,356	4,309
1933	221,847	55,258	11,977	27,958	54,972	19,032	48,608	4,042
II. TOTAL REVENUE FREIGHT [3]								
All roads:								
1906–1910	[1] 1,673,431	150,384	38,769	589,884	228,563	168,023	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	66,371
1926–1930	2,341,062	221,019	45,054	852,777	395,987	179,554	584,457	62,214
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	838,085	396,400	187,347	605,256	63,261
1929	2,451,601	223,264	44,729	878,014	418,797	182,177	642,191	62,430
1930	2,063,078	210,971	41,097	749,218	349,424	130,684	530,368	51,316
1931	1,605,034	187,792	39,549	613,408	237,934	83,998	401,628	40,725
1932	1,168,289	152,784	34,514	504,111	118,226	51,813	278,384	28,457
1933	1,258,823	150,763	34,507	529,444	149,978	62,197	304,654	27,280
Eastern district:								
1931	815,595	56,690	16,282	395,043	85,611	21,772	218,816	21,381
1932	604,930	48,121	14,849	319,196	45,637	13,494	148,802	14,831
1933	650,091	44,959	15,112	337,042	59,124	14,480	165,314	14,060
Southern district:								
1931	308,709	27,738	3,342	152,513	39,789	22,826	53,808	8,693
1932	231,583	21,396	2,850	127,547	22,094	14,525	36,753	6,418
1933	253,681	22,920	3,013	138,670	23,186	17,428	42,056	6,408
Western district:								
1931	480,730	103,364	19,925	65,852	112,534	39,400	129,004	10,651
1932	331,776	83,267	16,815	57,368	50,495	23,794	92,829	7,208
1933	355,051	82,884	16,382	53,732	67,668	30,289	97,284	6,812

[1] Includes some undistributed freight. [2] Excluding Class III. [3] Including receipts from connecting lines.

Source: Interstate Commerce Commission.

No. 412.—REVENUE FREIGHT CARRIED, BY CLASSES OF COMMODITIES: CLASS I CARRIERS

NOTE.—Nonrevenue freight is excluded; this is a large item in the case of a few commodities, notably coal. Switching and terminal roads are excluded

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1933 (thousands of tons of 2,000 pounds)		
	All districts								1933					
	1920	1925	1928	1929	1930	1931	1932	1933	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Grand total, carload and l. c. l.	1,255,421	1,247,242	1,285,943	1,339,091	1,153,197	894,186	646,223	698,943	305,305	171,791	221,847	650,091	253,681	355,051
Grand total, carload traffic	1,202,219	1,208,655	1,248,989	1,303,048	1,123,530	871,412	630,989	684,592	298,162	168,625	217,805	636,031	247,273	348,239
Products of agriculture, total	110,840	109,313	118,022	111,343	110,728	97,487	80,917	81,702	16,518	9,926	55,258	44,959	22,920	82,884
Wheat	23,131	21,548	25,950	27,019	25,466	26,228	19,120	16,501	2,459	593	13,449	3,548	1,624	16,123
Corn	12,689	12,680	17,045	15,258	13,986	10,728	9,544	12,310	2,911	1,511	7,888	5,123	2,403	10,483
Oats	8,615	8,450	5,888	5,713	5,184	3,969	3,400	3,353	861	449	2,043	1,960	809	2,725
Other grain	5,669	4,564	5,506	4,477	4,045	2,924	2,229	2,995	201	67	2,727	467	208	3,515
Flour and meal	10,952	9,901	10,753	10,627	10,546	10,067	9,319	8,997	2,419	798	5,780	7,606	2,717	8,311
Cereal foods and other mill products	8,891	9,578	10,581	10,820	10,610	8,783	6,629	6,779	2,466	711	3,602	5,956	1,725	5,326
Hay, straw, and alfalfa	7,957	5,506	3,999	3,697	3,494	2,174	1,569	1,476	658	68	750	1,306	366	1,007
Leaf tobacco [1]	1,081	1,138	945	989	1,008	816	642	680	65	598	17	171	990	22
Cotton	3,379	4,127	3,773	3,940	3,032	2,432	2,777	3,374	60	1,133	2,181	749	2,441	3,485
Cottonseed and products, except oil	4,573	5,849	4,984	5,076	5,065	3,608	3,146	2,483	30	1,104	1,349	398	1,576	2,044
Citrus fruits	1,404	1,363	1,543	2,355	1,734	2,378	1,965	1,823	54	707	1,062	2,042	2,078	3,715
Other fresh fruits	5,271	5,910	6,401	5,690	5,919	5,175	4,068	3,416	614	755	2,047	3,306	1,877	5,325
Potatoes, except sweet [2]	4,118	4,614	4,511	4,425	4,332	4,114	3,418	3,466	1,405	293	1,768	5,127	1,072	4,252
Other fresh vegetables	2,205	2,828	3,124	3,222	3,262	2,927	2,575	2,449	477	519	1,453	2,920	1,572	4,925
Dried fruits and vegetables	1,165	1,533	1,878	1,609	1,674	1,426	1,258	1,239	395	57	787	1,062	255	1,728
Sugar beets	9,741	9,824	5,260	5,348	6,246	5,573	5,503	6,641	300	----------	6,341	377	----------	6,949
Other products of agriculture			4,881	5,077	5,125	4,165	3,755	3,720	1,143	563	2,014	2,841	1,207	2,949
Animals and products, total	26,595	26,324	25,634	24,907	23,129	21,632	18,055	17,651	4,400	1,274	11,977	15,112	3,013	18,382
Horses and mules	936	544	577	553	440	315	230	281	18	37	226	73	128	348
Cattle and calves	9,809	9,330	7,977	7,310	6,785	6,097	4,896	4,497	636	251	3,610	1,466	333	4,946
Sheep and goats	1,344	1,224	1,361	1,387	1,385	1,343	1,085	1,008	142	52	814	394	67	1,411
Hogs	5,421	5,502	5,871	5,534	4,902	4,501	3,884	3,608	815	217	2,576	1,755	292	3,128

[1] Includes refuse, stems, etc., prior to 1928.

[2] "Potatoes" prior to 1928.

No. 412.—Revenue Freight Carried, by Classes of Commodities: Class I Carriers—Continued

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1933 (thousands of tons of 2,000 pounds)		
	All districts								1933					
	1920	1925	1928	1929	1930	1931	1932	1933	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Animals and products—Continued														
Fresh meats	2,770	2,904	2,935	3,007	2,928	2,933	2,724	2,951	799	269	1,883	4,057	767	2,172
Other packing-house products	2,206	2,139	2,203	2,274	1,970	1,833	1,632	1,585	613	207	765	1,764	818	1,248
Poultry	264	357	406	417	419	416	382	402	74	38	290	731	56	402
Eggs	536	591	635	588	612	582	424	422	63	28	331	722	68	515
Butter and cheese	425	686	754	793	807	768	735	756	125	29	602	1,247	131	790
Wool	293	263	394	414	354	388	271	336	166	11	159	554	45	288
Hides and leather	1,051	1,026	915	913	847	782	655	734	388	73	273	1,157	162	440
Other animals and products	1,540	1,758	1,606	1,717	1,680	1,674	1,137	1,071	561	62	448	1,192	146	694
Products of mines, total	712,154	678,336	696,583	737,879	642,537	501,903	362,226	395,065	185,765	126,370	82,930	396,166	161,856	121,400
Anthracite	78,100	58,260	69,997	71,931	71,252	65,673	55,681	56,467	56,199	92	176	84,909	162	464
Bituminous coal	389,349	346,346	346,057	368,339	322,150	263,991	218,197	230,837	95,602	108,895	26,340	241,886	136,714	51,075
Coke	26,895	19,798	16,241	19,127	14,536	9,872	7,346	9,173	6,644	1,087	1,442	10,248	1,794	2,192
Iron ore	84,433	72,134	68,684	82,123	59,980	31,073	5,440	26,526	1,108	1,025	24,393	17,277	1,573	24,942
Copper ore and concentrates	21,550	12,289	5,916	7,057	4,525	3,903	1,658	1,545	2	3	1,540	40	48	1,734
Other ores and concentrates			5,922	7,714	6,957	4,664	2,599	2,803	1,044	226	1,533	2,372	543	2,821
Gravel, sand, and stone [3]	98,720	145,405	128,304	121,559	112,196	84,058	47,138	36,706	11,509	8,690	16,507	15,073	11,077	20,988
Crude petroleum	6,435	11,245	7,633	6,630	6,598	7,448	2,803	4,702	481	69	4,152	603	138	6,237
Asphaltum	1,424	2,531	2,899	3,196	2,925	2,746	2,583	2,407	1,617	370	420	2,699	661	911
Salt	3,250	3,403	3,341	3,183	2,952	2,834	2,576	2,728	1,246	31	1,451	3,272	974	3,045
Phosphate rock, crude	6,997	6,925	4,801	5,165	5,712	3,930	2,891	3,817	29	3,764	24	126	4,184	42
Sulphur			1,811	2,253	1,934	1,259	961	1,590	158	43	1,389	332	183	1,964
Other products of mines [3]			34,977	39,602	30,820	20,452	12,353	15,764	10,126	2,075	3,563	17,329	3,805	4,985
Products of forests, total	100,786	107,391	96,737	94,855	69,371	43,024	26,109	33,165	3,234	10,899	19,032	14,480	17,428	30,289
Logs, posts, poles, piling, and cordwood	38,571	45,428	39,541	39,611	28,451	14,792	7,781	11,245	368	2,151	8,726	991	2,503	9,940
Ties	5,472	4,292	4,240	4,024	3,522	1,527	958	1,174	204	430	540	510	548	711
Pulp wood	4,992	5,826	6,893	6,781	6,524	4,797	3,309	4,142	649	1,423	2,070	1,323	1,903	2,667
Lumber, shingles, lath, cooperage materials, veneer, etc	48,618	49,019	42,776	40,937	27,800	19,497	12,418	14,491	1,253	5,902	7,336	9,528	11,017	16,377
Other forest products	3,112	2,826	3,287	3,502	3,074	2,411	1,643	2,113	760	993	360	2,128	1,457	594

Manufactures and miscellaneous, total	251,864	285,291	312,013	330,064	277,765	207,366	143,682	157,009	88,245	20,156	48,608	165,314	42,056	97,284
Refined petroleum and its products	29,616	46,273	58,480	64,240	62,901	55,615	46,707	45,464	17,829	5,225	22,410	30,556	10,731	43,874
Vegetable oils	938	1,446	1,561	1,733	1,602	1,428	1,333	1,314	297	355	662	1,047	749	1,256
Sugar, sirup, glucose, and molasses	5,664	5,700	5,605	5,858	5,659	5,142	4,286	4,779	1,396	618	2,765	2,633	1,701	5,029
Iron, pig [4]	16,451	14,577	8,033	8,000	5,140	3,139	1,424	2,689	1,890	586	213	2,848	334	491
Scrap iron and steel	(5)	(5)	11,746	13,527	9,901	6,032	3,444	5,993	4,699	554	740	6,966	1,006	1,002
Iron and steel (6th class, n. o. s.)	(5)	(5)	5,130	5,746	3,680	2,081	1,298	2,313	2,266	24	23	2,829	107	59
Rails, fastenings, frogs, and switches [6]	3,047	2,646	2,551	2,658	1,778	1,063	419	521	410	56	55	597	143	142
Iron and steel pipes and fittings [7]	27,443	29,144	6,945	7,670	6,442	4,101	1,789	1,955	1,356	261	338	2,694	583	1,380
Iron and steel (5th class, n. o. s.) [7]			33,386	37,427	26,745	16,877	9,386	13,475	12,079	569	827	19,629	1,450	3,516
Iron and steel nails and wire	(5)	(5)	1,667	1,873	1,372	1,015	669	1,040	748	86	206	1,418	233	468
Copper: Ingot, matte, and pig	5,170	5,419	999	1,108	665	352	162	215	99	3	113	355	8	387
Lead and zinc: Ingot, pig, or bar			1,218	1,338	1,124	908	592	723	322	11	390	919	88	850
Other metals: pig, bar, sheet, etc			431	525	379	306	118	181	84	4	93	240	25	157
Machinery and boilers [8]	9,391	5,359	3,772	3,931	3,072	1,943	1,072	1,122	809	76	237	1,708	326	658
Cement	15,400	24,516	26,080	25,008	23,180	18,392	11,201	9,509	4,156	1,332	4,021	8,580	2,541	6,150
Brick and artificial stone	15,251	19,668	19,019	17,216	12,595	7,723	3,574	3,516	2,029	744	743	3,606	1,153	1,339
Lime and plaster	4,410	6,830	5,300	4,803	3,452	2,600	1,690	1,681	973	252	456	1,830	616	1,014
Sewer pipe and drain tile	2,165	2,426	2,556	2,708	1,946	1,197	624	537	313	100	124	668	179	212
Agricultural implements and vehicles other than automobiles [9]	3,324	2,281	1,903	2,136	1,657	766	304	353	115	45	193	240	127	384
Automobiles, autotrucks, parts, tires, etc	3,427	6,980	8,752	10,423	6,624	4,286	2,317	3,144	2,580	156	408	5,025	816	1,765
Furniture	743	970	1,063	1,102	733	564	353	393	126	138	129	541	330	306
Beverages	1,240	841	813	774	893	654	351	1,170	315	67	788	817	237	1,291
Ice	5,795	4,928	3,922	3,310	2,578	2,262	1,464	1,054	437	99	518	510	104	536
Fertilizers	9,204	8,463	12,859	13,276	12,302	8,524	5,025	5,187	1,617	2,629	941	2,894	4,124	2,034
Printing paper [10]	3,144	3,328	3,303	3,480	3,399	2,953	2,397	2,380	1,694	161	525	5,912	452	1,656
Chemicals and explosives [11]	8,348	9,579	2,979	3,213	2,672	2,152	1,579	1,868	936	472	460	1,548	859	663
Textiles	805	966	937	941	710	613	493	581	124	352	105	502	761	284
Canned food products	3,074	4,144	4,805	5,029	4,751	3,954	3,167	3,308	1,417	233	1,658	3,980	649	3,258
Furnace slag	77,814	78,807	8,784	9,835	11,000	4,401	2,105	2,016	1,512	469	35	1,696	778	45
Paper board, pulpboard, and wall board (paper)			2,317	2,511	2,241	2,037	1,581	1,874	1,008	439	377	2,390	895	778
Building paper and prepared roofing materials			2,035	2,325	1,687	1,234	1,102	1,119	712	107	300	1,390	387	595
Other manufactures and miscellaneous			63,062	66,338	54,885	43,022	31,656	35,535	23,897	3,883	7,755	48,746	9,064	15,705
Merchandise—all l. c. l. freight	53,202	40,587	36,954	36,043	29,667	22,774	15,234	14,351	7,143	3,166	4,042	14,060	6,408	6,812

[3] "Gravel, sand, and stone" includes clay prior to 1928 which is reported with "Other products of mines" in 1928 and thereafter. [4] Includes bloom prior to 1928.
[5] Not reported separately. [6] "Rails and fastenings" prior to 1928. [7] "Bar, sheet, and structural iron and pipe" prior to 1928. [8] Includes castings prior to 1928.
[9] Includes railway car wheels, axles, and trucks prior to 1928. [10] "Paper, printed matter, and books" prior to 1928. [11] Data beginning 1928 not comparable with prior years.

Source: Interstate Commerce Commission.

No. 413.—CAR LOADINGS: AVERAGE WEEKLY LOADINGS OF REVENUE FREIGHT, CLASS I RAILWAYS, BY PRINCIPAL COMMODITY GROUPS

NOTE.—Averages for earlier years for all commodities are: 1918, 857,540; 1919, 804,472; 1920, 867,663; 1921, 756,215; 1922, 830,915; 1923, 957,925; 1924, 933,354; 1925, 985,080; 1926, 1,021,131; 1927, 922,996; 1928, 992,113

Month	1929	1930	1931	1932	1933	1929	1930	1931	1932	1933
	Total, all commodities					Grain and grain products				
Year	1,015,922	882,269	714,447	541,922	556,941	46,081	43,565	38,931	31,796	31,815
January	892,864	849,310	718,303	566,693	477,624	45,524	40,282	40,682	31,010	26,617
February	941,534	876,725	708,530	560,805	489,495	47,165	43,889	41,162	34,250	25,315
March	963,187	878,933	734,232	570,209	460,300	42,642	38,982	38,333	28,891	25,963
April	997,286	904,740	751,573	554,827	500,949	35,978	39,126	37,519	30,827	35,460
May	1,036,480	918,690	739,696	522,022	531,960	37,973	37,646	35,834	29,220	36,986
June	1,072,970	929,746	747,988	491,622	566,345	44,610	41,519	35,007	25,334	36,652
July	1,040,020	888,902	738,472	484,197	621,763	61,710	58,326	54,647	36,963	44,944
August	1,120,141	934,366	747,627	516,200	625,678	63,222	60,788	44,348	38,543	29,600
September	1,135,572	931,422	727,068	573,474	640,910	49,866	47,203	37,247	37,561	31,160
October	1,169,353	950,270	762,632	633,512	651,410	46,437	41,597	38,515	33,527	29,768
November	978,031	797,836	654,827	547,482	591,524	38,415	36,487	36,202	27,809	30,879
December	834,584	695,396	554,957	496,656	513,090	39,444	35,587	27,145	26,458	25,892
	Livestock					Coal				
Year	27,292	24,714	22,347	18,256	17,041	174,909	152,443	124,869	102,672	107,999
January	29,486	27,229	25,613	22,070	17,218	202,422	196,455	157,380	115,176	107,125
February	26,420	25,183	22,011	19,034	15,420	211,006	166,026	137,136	114,953	123,073
March	24,221	23,056	19,827	16,532	13,037	156,504	137,296	130,954	121,254	91,377
April	26,720	24,102	21,779	18,699	16,466	146,057	132,818	116,075	92,291	79,464
May	25,672	23,444	20,407	17,146	16,587	154,706	138,261	113,882	74,626	79,568
June	23,577	21,598	18,621	14,912	15,479	155,056	135,256	110,620	66,698	90,549
July	23,008	20,074	18,098	14,381	15,021	146,522	130,606	110,307	72,259	112,105
August	24,271	21,108	21,731	16,871	16,616	168,475	145,740	118,660	84,616	123,468
September	30,921	26,959	24,091	20,750	20,253	187,934	151,277	124,251	108,834	125,026
October	37,284	32,277	29,014	23,699	23,205	203,957	174,528	145,437	136,577	124,970
November	31,383	26,860	25,902	19,012	20,462	185,597	158,748	121,376	122,823	125,546
December	25,448	23,389	20,958	16,608	15,068	189,261	151,001	115,413	125,027	114,052
	Coke					Ore				
Year	12,201	9,382	6,245	4,303	5,684	43,876	31,955	16,821	4,046	13,487
January	12,071	11,346	8,998	5,656	5,159	8,910	8,268	5,206	2,949	1,838
February	13,392	11,399	8,744	6,234	6,226	9,244	8,641	5,567	2,699	1,841
March	12,834	9,982	7,889	6,090	4,498	11,423	9,103	5,830	2,647	1,971
April	12,066	10,020	7,007	3,830	3,396	27,670	12,701	7,993	3,424	3,214
May	12,508	9,674	6,486	3,136	3,811	71,454	50,951	17,320	2,583	7,697
June	12,306	9,463	5,488	2,887	4,894	76,481	62,528	29,789	3,547	11,072
July	11,874	8,438	4,813	2,573	6,596	76,359	61,250	34,859	6,030	22,054
August	11,971	8,312	4,555	2,712	6,650	75,762	56,956	35,000	7,111	34,243
September	11,904	8,203	4,783	3,669	6,953	68,650	48,780	30,270	6,065	36,780
October	12,172	8,876	5,562	4,890	6,665	60,041	37,824	20,372	6,521	27,770
November	11,610	8,047	5,318	4,751	6,418	29,216	14,295	6,273	2,951	7,436
December	11,668	8,549	5,758	5,597	6,707	8,219	5,620	3,505	1,748	2,916
	Forest products					Miscellaneous and L. C. L.				
Year	62,469	45,564	28,296	17,292	20,877	649,094	574,646	476,938	363,558	360,058
January	54,240	46,173	33,115	18,358	13,696	540,211	519,557	447,308	371,474	305,971
February	60,224	57,704	34,586	19,266	13,674	574,084	563,884	459,322	364,370	303,946
March	67,013	58,076	34,390	20,018	14,639	648,551	602,438	497,010	374,778	308,816
April	69,596	57,436	32,836	19,707	17,234	679,199	628,528	528,363	386,048	345,716
May	68,636	52,941	32,912	18,695	20,797	665,531	605,772	512,854	376,617	366,514
June	70,306	49,657	31,203	16,810	25,097	690,634	609,725	517,260	361,434	382,602
July	61,312	39,956	26,641	14,555	26,781	659,234	570,154	489,107	337,436	394,261
August	68,761	41,421	27,588	15,490	27,168	707,679	600,041	495,746	350,856	387,933
September	62,963	40,391	26,053	17,552	24,693	723,335	608,519	480,373	379,044	396,046
October	63,622	39,367	24,482	18,849	24,427	746,340	616,007	499,251	409,450	414,606
November	55,075	33,970	21,822	16,051	23,375	626,736	519,428	437,936	354,087	377,408
December	45,485	30,263	16,986	13,196	18,113	514,558	440,988	365,190	308,023	330,342

Source: American Railway Association.

No. 414.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to Table 415

Cause of accident	Killed					Injured				
	1921–1925, average	1926–1930, average	1931	1932	1933	1921–1925, average	1926–1930, average	1931	1932	1933
All accidents	6,618	6,480	5,099	4,747	5,019	141,688	89,404	35,656	29,219	27,494
Train accidents	394	308	229	183	218	4,409	2,985	1,208	997	1,365
Passengers	72	30	4	1	23	2,423	1,455	493	410	657
Employees	237	164	95	63	66	1,597	1,132	434	335	362
Other persons	85	114	130	119	129	389	398	281	252	346
Causes:										
Collisions	139	89	39	34	33	2,071	1,391	485	358	635
Passengers	37	11	1	1	14	1,172	710	244	192	415
Employees	89	70	33	30	16	764	526	188	125	137
Other persons	14	8	5	3	3	135	155	53	41	83
Derailments	197	139	108	77	127	2,109	1,379	583	526	610
Passengers	34	18	3	------	9	1,212	718	232	203	236
Employees	111	66	43	26	45	690	487	190	171	190
Other persons	52	55	62	51	73	208	173	161	152	184
Other causes	58	81	82	72	58	228	215	140	113	120
Passengers	2	1	------	------	------	39	27	17	15	6
Employees	36	28	19	7	5	143	119	56	39	35
Other persons	20	52	63	65	53	46	69	67	59	79
Train-service accidents	5,794	5,796	4,624	4,341	4,598	44,420	35,395	18,849	16,160	15,107
Passengers on trains	100	63	36	22	15	3,155	2,208	1,609	1,501	1,315
Travelers not on trains					10					84
Employees	1,088	940	419	383	354	31,563	23,275	9,142	6,948	6,104
Other persons	4,605	4,793	4,169	3,936	4,219	9,701	9,912	8,098	7,711	7,604
Causes:										
Coupling or uncoupling locomotives or cars	80	48	12	20	12	1,624	1,124	394	307	246
Coupling or uncoupling air hose	22	19	13	9	11	435	353	175	123	131
Operating locomotives	20	16	7	6	5	6,259	3,731	1,406	1,042	834
Operating hand brakes	30	30	18	12	15	2,090	1,875	824	593	514
Operating switches	2	1	------	2	------	965	747	245	210	176
Contact with fixed structures	69	57	60	71	64	836	534	335	284	284
Getting on or off cars or locomotives	484	419	447	520	516	9,125	7,084	4,096	3,946	3,785
Highway grade-crossing accidents[1]	1,997	2,315	1,720	1,445	1,446	5,826	6,400	4,533	3,911	3,607
Struck or run over, not at public crossings	[2]2,415	2,267	1,730	1,590	1,792	[2] 2,079	1,721	1,022	911	958
Miscellaneous	1,157	625	617	666	737	15,595	11,824	5,819	4,833	4,572
Nontrain accidents	430	376	246	223	203	92,860	51,024	15,599	21,062	11,022
Passengers on trains	[2] 4	2	1	5	------	[2] 634	595	587	455	------
Travelers not on trains					2					466
Employees	329	288	162	133	112	90,630	48,990	13,782	10,459	9,466
Other persons	97	85	83	85	89	1,724	1,440	1,230	1,148	1,090

[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.

Source: Interstate Commerce Commission.

No. 415.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS

NOTE.—For various [illegible] are not strictly con[illegible] erty in excess of $1 [illegible] when the damage [illegible] 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 [1]		Employees		Other persons		Trespassers [2]	
	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	9,326	72,943	392	7,894	3,249	57,209	5,686	7,840	-------	-------
1906–1910	10,210	105,617	385	11,625	3,572	83,502	6,252	10,491	-------	-------
1909	8,722	95,626	253	10,311	2,610	75,006	5,859	10,309	-------	-------
1910	9,682	119,507	324	12,451	3,382	95,671	5,976	11,385	-------	-------
1911	10,396	150,159	299	12,042	3,602	126,030	6,495	12,078	-------	-------
1912	10,585	169,538	283	14,938	3,635	142,442	6,667	12,158	-------	-------
1913	10,964	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	2,152	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	7,316	3,419	156,013	5,396	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	2,578	149,414	4,151	11,304	-------	-------
1921	5,996	120,685	205	5,584	1,446	104,530	4,345	10,571	-------	-------
1922	6,325	134,871	203	6,712	1,657	117,197	1,967	7,834	2,498	3,128
1923	7,385	171,712	143	6,463	2,026	152,678	2,307	9,279	2,819	3,292
1924	6,617	143,739	153	6,023	1,543	125,319	2,300	9,268	2,621	3,129
1925	6,766	137,435	176	5,643	1,599	119,224	2,347	9,640	2,644	2,928
1926	7,090	130,235	155	5,149	1,672	111,903	2,640	10,387	2,623	2,796
1927	6,821	104,799	82	4,560	1,566	88,223	2,519	9,020	2,654	2,996
1928	6,509	85,561	85	4,027	1,327	70,246	2,718	8,652	2,379	2,636
1929	6,496	76,995	100	4,371	1,424	60,739	2,665	9,308	2,307	2,577
1930	5,481	49,430	50	3,180	974	35,872	2,153	7,430	2,304	2,948
1931	5,099	35,656	41	2,689	676	23,358	1,981	6,288	2,401	3,321
1932	4,747	29,219	28	2,366	579	17,742	1,635	5,330	2,505	3,781
1933	5,019	27,494	50	2,522	532	15,932	1,611	5,043	2,826	3,997

[1] Data cover passengers on trains and travelers not on trains.
[2] Trespassers included with "other persons" prior to 1922.

No. 416.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS

NOTE.—Rails and ties laid in new construction are not included. A short ton is 2,000 pounds; a long ton, 2,240 pounds

	All districts			1932		
	1930	1931	1932	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite, 1,000 short tons	1,140	543	327	327	-------	-------
Bituminous coal, do	98,400	81,725	66,498	32,415	14,707	19,376
Fuel oil [1], 1,000 gallons	2,366,569	2,015,694	1,759,124	7,094	23,952	1,728,078
Hardwood [1], cords	12,642	5,072	3,028	1,656	1,343	29
Softwood [1], do	44,134	34,802	23,475	10,283	1,169	12,023
Total, coal equivalent [2], 1,000 short tons	114,458	94,924	77,859	32,793	14,852	30,214
Rails laid in replacement and betterment:						
Total tonnage, 1,000 long tons	2,674	1,715	797	349	193	255
Total charges [3], 1,000 dollars	98,521	63,726	28,265	11,902	7,191	9,172
Ties laid in previously constructed tracks:						
Crossties, thousands	63,354	51,501	39,190	8,291	10,517	20,382
Switch and bridge ties, 1,000 board feet	235,315	188,595	140,566	40,505	42,971	57,090
Total charges [3], 1,000 dollars	94,207	73,415	50,940	15,386	11,800	23,754

[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.

Source of Tables 415 and 416: Interstate Commerce Commission.

No. 417.—EXPRESS COMPANIES: INCOME ACCOUNT

NOTE.—In thousands of dollars. Mileage operated by express companies, 1933: Total, 266,863; steam road, 221,027; electric line, 2,443; steamboat line, 22,757; airplane, 13,658; stage line, 6,978. The Railway Express Agency, Inc., operates 211,319 miles, and the Southeastern Express Co., 9,708 miles

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.:									
1921	294,664	113,491	184,897	182,265	2,631	2,095	508	2,074	2,309
1924	287,281	139,997	150,640	147,447	3,193	2,102	1,045	1,458	2,282
1925	290,303	143,832	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
1929 [4]	41,104	18,554	23,083	22,560	523	327	193	193	381
Railway Express Agency, Inc.:									
1929 [5]	242,216	127,591	117,628	115,535	2,093	1,343	734	687	20
1930	237,488	112,366	128,470	125,821	2,649	1,375	1,259	509	36
1931	192,044	81,221	113,997	111,181	2,816	1,343	1,457	302	4
1932	137,703	53,085	87,436	84,513	2,923	1,380	1,513	234	[6] *5*
1933	118,673	44,468	76,503	73,416	3,087	1,524	1,535	186	[6] *6*
Southeastern Express Co.:									
1921 [7]	4,374	1,649	2,781	2,719	61	25	37	10	47
1924	7,910	3,755	4,266	4,103	163	109	51	19	70
1925	8,041	3,912	4,241	4,086	155	86	67	20	87
1926	8,257	4,021	4,357	4,196	161	83	76	24	100
1927	8,176	3,971	4,342	4,188	154	88	62	28	90
1928	7,870	3,738	4,268	4,126	142	100	40	30	70
1929	8,007	3,900	4,244	4,098	146	110	35	38	73
1930	6,764	2,940	3,936	3,803	133	97	35	35	70
1931	5,603	2,117	3,585	3,443	142	89	51	17	68
1932	4,174	1,420	2,848	2,726	122	78	43	21	64
1933	4,326	1,537	2,905	2,769	136	94	38	15	53

[illegible] [illegible] [illegible] [illegible] [illegible] ansportation.
[illegible] [illegible] [illegible] [illegible] uncollectible revenue.
[illegible] [illegible] [illegible] [illegible] tions.
[illegible] [illegible] [illegible] [illegible] . 28, 1929.
[illegible] [illegible] [illegible] [illegible]). 31, 1929.

[6] Deficit.
[7] Result of operations for 8 months ended Dec. 31, 1921.

No. 418.—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	23,962	(2)	11,372	13,151	20,203	14
1915	38,723	467	1,954	26,633	11,716	12,090	10,816	24,252	12
Dec. 31:									
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	26,392	20,453	19,194	37,346	15
1920	72,124	----------	13,155	61,031	30,805	11,093	9,304	39,255	16
1921	64,439	----------	7,079	64,744	28,136	[3] *305*	[3] *3,277*	31,225	13
1922	65,582	----------	8,379	53,029	26,022	12,553	8,540	31,748	13
1923	72,576	----------	8,555	55,885	27,365	16,691	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
1929	82,384	----------	8,704	69,490	36,191	12,894	9,185	33,434	10
1930	76,234	----------	5,534	68,960	35,379	7,274	4,937	29,360	9
1931	62,558	----------	2,573	57,243	27,386	5,315	3,009	22,985	9
1932	43,366	----------	1,550	42,465	19,276	901	[3] *1,220*	15,750	8
1933	38,436	----------	1,325	37,888	16,358	548	[3] *564*	13,717	8

[1] Amounts due other carriers under the provisions of definite contracts. [2] Not separated. [3] Deficit.
Source of Tables 417 and 418: Interstate Commerce Commission.

No. 419.—THE ALASKA RAILROAD TRAFFIC: Analysis of Statistics of Passenger and Freight Services, Years Ended June 30

	1932	1933		1932	1933
Road mileage operated—monthly average	519.9	519.9	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight train-miles	59,654	60,334
[illegible]	65,870	63,864	Mixed train-miles	8,172	7,918
[illegible]	8,172	7,918	Loaded cars, 1 mile, freight and mixed trains	1,088,378	1,019,786
[illegible] ger trains[1]	170,220	165,133	Empty cars, 1 mile, freight and mixed trains	685,757	701,915
Passenger car-miles, mixed trains	8,062	7,918	All cars, 1 mile	1,774,135	1,721,701
Total revenue passengers carried	22,568	13,117	Tons of revenue freight carried:		
Revenue passengers carried 1 mile	2,005,169	1,683,818	Coal	60,783	72,007
Total passenger revenue	$191,873	$121,120	Miscellaneous	26,270	25,472
Average revenue per passenger per mile	$0.09569	$0.07193	Tons of revenue freight carried 1 mile	14,569,719	15,809,158
			Total freight revenue	$906,124	$890,249
			Average revenue per ton per mile	$0.06213	$0.05631

[1] Including motor miles.

Source: Department of the Interior.

No. 420.—ELECTRIC RAILWAYS: Summary of Operations

NOTE.—This table does not include the [illegible] railway [illegible] electric railway companies also engage in other [illegible] sale of [illegible] power; wherever possible, such light and power [illegible], 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 [illegible] of [illegible] ic railways by means of steam [illegible] are [illegible] each track of a double or multi[illegible]

	1890	1902	1912	1917	1922	1927	1932
Number of companies	789	987	1,260	[1] 1,307	[1] 1,200	[1] 963	[1] 706
Miles of all track operated	8,123	22,577	41,065	44,835	43,932	40,722	31,548
Operated by:							
Electricity	1,262	21,902	40,808	44,677	43,789	40,585	31,432
Cable	488	241	56	45	46	43	39
Animal traction	5,661	259	58	11	4	----	----
Steam	711	170	76	41	1	17	72
Gasoline-engine cars	----	[2] 6	66	56	[3] 86	[3] 77	4
Gravity	----	----	----	6	6	----	----
Value of road and equipment (thousand dollars)	389,357	2,167,634	4,596,563	5,136,442	5,058,762	(4)	4,143,381
Number of employees	70,764	140,769	282,461	294,826	[5] 306,523	[5] 267,115	182,165
Number of passenger cars	32,505	60,290	76,162	79,914	77,301	70,309	59,692
Revenue passengers, including pay transfer[6] (thousands)	2,023,010	4,774,212	9,545,555	11,304,660	12,666,558	12,174,592	7,955,981
Operating revenues (thousand dollars)	90,617	247,554	567,512	709,825	1,016,719	927,774	566,290
Operating expenses (thousand dollars)	62,011	142,313	332,896	452,595	727,795	694,460	442,607
Operating ratio (per cent)	68.4	57.5	58.7	63.8	71.6	74.9	78.2

[1] Includes [illegible] separate organization[illegible] ownership [illegible] ly in Pennsylvania. and not in[illegible] reported.

[2] Compressed air.

[3] Includes 1.26 miles of nonelectric track in 1922, 1.20 miles in 1927.

[4] Complete data not available. In 1927 a number of composite companies included the value of electric railway road and equipment in the value of their entire plant and equipment reported on their combined balance sheet on the light and power schedule and advised that this could not be separated. Statistics for Central Light and Power Stations include their combined figures.

[5] Includes 404 motor-bus employees for 1922 and 2,540 for 1927.

[6] Not including motor-bus passengers.

Source: Bureau of the Census, Department of Commerce.

No. 421.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES

NOTE.—See headnote to Table 420

	All companies					Surface lines	
	1912	1917	1922	1927	1932	1927	1932
Number of operating companies	975	943	858	682	485	678	478
Miles of all track [1]	41,065	44,835	43,932	40,722	31,548	39,851	30,519
First track (length of line)	30,438	32,548	31,264	27,948	20,110	27,667	19,783
Second and other tracks	10,627	12,288	12,668	12,775	11,437	12,184	10,736
Electric track with:							
Overhead trolley	38,958	42,491	41,418	[2] 38,246	[2] 29,448	[2] 38,225	[2] 29,379
Third rail and conduit trolley	1,747	2,051	2,314	2,270	[2] 1,886	1,419	[2] 927
Other (electric)	103	137	78	[2] 95	[2] 102	[2] 95	[2] 102
Number of cars	94,016	102,603	99,255	93,248	79,984	84,592	67,339
Passenger	76,162	79,914	77,301	70,309	59,692	61,881	50,593
Express, freight, and mail	7,794	11,534	11,406	13,337	12,509	13,337	9,266
Service cars	10,060	11,155	10,548	9,600	7,783	9,374	7,480
Number of electric locomotives	277	357	404	462	609	456	464
Horsepower of power-plant equipment [3] [4]	3,661,385	4,200,192	4,119,306	2,925,821	1,530,395	(5)	1,030,395
Steam turbines	1,462,800	2,322,692	2,856,006	1,561,457	1,244,423	(5)	864,423
Other steam engines [4]	1,703,088	1,221,223	827,027	420,889	252,422	(5)	132,422
Internal-combustion engines	24,190	28,294	32,495	7,700	3,500	(5)	3,500
Water wheels and turbines	471,307	627,983	403,778	35,775	30,050	(5)	30,050
	2,505,316	2,924,779	2,972,834	1,470,904	1,126,714	(5)	751,714
hours) [3]	9,020,018	12,187,851	12,405,053	9,389,597	7,343,517	(5)	5,935,176
Generated [3]	6,002,659	7,240,503	6,473,451	2,975,863	2,433,176	(5)	1,265,000
Purchased	3,017,359	4,947,348	5,931,602	6,413,734	4,910,341	(5)	4,670,175
Passengers carried (thousands) [6]	12,135,342	14,506,915	15,331,400	14,901,435	9,888,535	12,678,849	7,849,091
Revenue passengers, including pay transfer	9,545,555	11,304,661	12,666,558	12,174,592	7,955,981	9,953,798	5,922,363
	2,423,918	3,021,138	2,496,570	2,571,249	1,827,533	2,570,937	1,827,308
	165,869	181,116	168,272	155,594	105,022	154,114	99,420
R							
sands)	1,921,620	2,139,802	2,124,523	2,163,773	1,690,194	1,786,560	1,293,314
Passenger	1,885,870	2,087,819	2,068,294	2,084,566	1,650,726	1,707,353	1,253,846
Express, freight, and mail	35,750	51,983	56,229	79,207	39,468	79,207	39,468
Average number of revenue passengers:							
Per mile of all track [7]	232,556	252,323	288,600	299,733	271,258	259,826	208,433
Per passenger-car hour	48.38	53.69	61.14	59.68	54.33	57.66	48.70
Revenue car-hours (thousands)	190,478	203,057	201,838	202,513	148,649	178,837	123,806
Passenger	187,590	199,053	197,146	196,464	146,443	172,788	121,600
Express, freight, and mail	2,888	4,004	4,692	6,049	2,206	6,049	2,206
Salaried employees:							
Number	23,271	27,151	30,239	27,845	20,260	26,374	18,448
Salaries (thousand dollars)	26,129	33,910	57,489	56,647	40,147	52,770	35,621
Wage earners:							
Number	259,190	267,675	270,284	239,270	161,905	211,315	131,923
Wages (thousand dollars)	174,762	233,331	388,191	385,305	241,686	338,022	191,224
Conductors, motormen, and bus operators:							
	131,321	136,184	130,628	115,720	78,928	111,220	74,173
	95,452	127,222	205,238	200,963	121,752	191,476	112,475
Other wage earners:							
Number	127,869	131,491	139,656	123,550	82,977	100,095	57,750
Wages (thousand dollars)	79,311	106,109	182,953	184,341	119,934	146,546	78,749

[1] Mileage expressed in nearest mile. Figures include track lying outside the United States (1912, 32 miles; 1917, 1922, and 1927, 27 miles; 1932, 24 miles).

[2] In 1927 overhead trolley includes 25 miles of surface lines operated by both overhead trolley and gas-electric motor cars; in 1932, includes 2 miles operated by both overhead trolley and conduit and 2 miles operated by both overhead trolley and oil-electric motor cars.

[3] Figures for power-plant equipment, [illegible] d output of stations in 1927 and 1932 are not comparable with those in prior ye[illegible] merly reported these data as auxiliary operations on railway schedules furnishe[illegible] eports for light and power operations in 1927 and 1932. These are included in [illegible] Electric Light and Power Stations". The number of companies that reported power-plant equipment in 1912 was 494; in 1917, 355; in 1922, 232; in 1927, 70; in 1932, 39.

[4] Includes 33 units with 41,100 horsepower of idle equipment in 1927 and 18 units with 63,167 horsepower [illegible]

[illegible] by motor busses operated by electric railway companies (16,120,000 in 1932).

[7] Exclusive of idle track and freight and switching roads for all years except 1932.

Source: Bureau of the Census, Department of Commerce.

No. 422.—ELECTRIC RAILWAYS:

NOTE.—See headnote to Table 420. The track mileage represents that actually lying in each State, but all ducted in other States. The differences among the States in the relation of passengers carried to of interurban as against purely urban traffic. Data for motor-bus lines represent those operated Revenue car mileage 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 (thousands)					
							1927		1932 [3]	
	1912	1922	1927	1932	1912	1922 [2]	Car lines	Motor-bus lines	Car lines	Motor-bus lines
United States	41,033	43,905	40,696	31,524	9,545,555	12,679,349	12,174,592	167,781	7,955,981	753,784
New England	5,299	5,049	3,931	2,443	1,051,162	1,137,106	910,455	54,621	530,912	132,201
Maine	530	566	501	276	47,049	50,010	32,499	75	14,403	(4)
N. Hampshire	268	263	156	90	23,673	19,650	10,807	113	4,839	
Vermont	121	117	63	17	8,136	6,950	3,691	70	(5)	
Massachusetts	2,951	2,688	2,071	1,305	705,918	732,447	604,951	45,916	368,294	88,053
Rhode Island	435	403	304	183	94,086	143,009	105,210	8,447	[5] 143,376	[4] 44,148
Connecticut	993	1,011	836	572	172,300	185,040	153,297			
Middle Atlantic	10,064	10,519	9,473	6,922	3,513,721	4,978,230	5,172,379	174	3,840,352	305,069
New York	4,486	4,737	4,348	3,243	2,126,964	3,090,878	3,407,410	162	2,900,373	49,826
New Jersey	1,309	1,342	1,093	716	356,858	466,819	406,444	12	175,170	255,243
Pennsylvania	4,270	4,440	4,032	2,963	1,029,899	1,420,533	1,358,525		764,809	
E. N. Central	11,884	12,431	11,802	8,183	2,159,621	2,981,417	2,886,084	55,906	1,726,160	148,358
Ohio	3,999	3,974	3,486	2,513	632,332	872,164	726,069	24,552	420,642	59,764
Indiana	2,323	2,305	2,330	1,583	173,019	241,873	201,070	7,580	97,838	10,302
Illinois	3,186	3,416	3,298	2,456	932,668	1,128,105	1,257,594	10,282	821,250	16,665
Michigan	1,526	1,817	1,779	879	286,956	557,900	521,774	1,920	269,864	36,560
Wisconsin	849	919	909	751	134,646	181,375	179,577	11,572	116,566	25,067
W. N. Central	3,031	3,604	3,556	3,149	787,301	942,867	758,333	3,399	402,737	30,176
Minnesota	538	681	723	616	186,918	262,781	207,476		121,286	(7)
Iowa	784	999	982	891	93,413	95,494	66,883	1,675	32,169	4,948
Missouri	959	1,098	1,054	956	402,210	464,603	407,210	407	208,325	15,192
North Dakota	19	21	19	13	2,862	3,378	2,893		1,331	(7)
South Dakota	22	17	16		1,657	2,023	736	510		
Nebraska	214	206	192	157	64,709	76,846	51,890	132	30,119	[7] 4,175
Kansas	494	581	570	516	35,527	37,742	21,245	675	9,507	5,861
South Atlantic	2,900	3,191	3,063	2,734	616,725	830,514	743,305	9,401	416,799	46,573
Delaware	99	96	83	59	18,024	20,860	18,961			
Maryland	720	758	731	667	186,828	248,594	227,918		221,417	10,614
Dist. of Col	188	199	185	187	114,100	156,242	136,888	7,459		
Virginia	561	554	541	486	91,980	116,289	100,751		62,607	26,275
West Virginia	330	422	381	340	52,842	91,079	71,163		32,545	(11)
N. Carolina	190	216	205	190	21,241	29,964	25,443		13,946	2,881
S. Carolina	228	301	286	246	17,873	20,211	10,255		5,954	2,071
Georgia	417	449	425	360	86,601	105,958	98,564	265	52,279	[11] 2,628
Florida	165	197	226	199	27,236	41,317	53,362	1,677	28,051	2,104
E. S. Central	1,291	1,477	1,378	1,196	268,785	308,021	311,351		174,892	7,204
Kentucky	502	517	489	462	103,512	115,594	117,894		68,547	5,587
Tennessee	361	495	507	403	91,896	110,369	103,984		64,629	
Alabama	309	368	335	304	62,494	73,646	85,463		40,101	1,617
Mississippi	119	98	47	27	10,883	8,412	4,010		1,615	
W. S. Central	1,372	1,724	1,773	1,559	270,746	382,087	352,541	14,305	182,589	31,928
Arkansas	114	120	122	106	24,304	29,954	25,887	28	13,725	5,700
Louisiana	285	305	284	201	94,053	128,337	123,491	3,683	70,104	
Oklahoma	252	324	334	368	22,121	36,260	23,808	4,178	10,995	3,131
Texas	721	975	1,033	884	130,268	187,536	179,355	6,416	87,765	23,097
Mountain	1,048	1,291	1,137	1,043	154,224	148,748	118,004	1,283	58,625	2,579
Montana	99	111	109	190	15,351	15,255	14,108		3,757	1,794
Colorado	468	431	356	308	86,597	81,613	64,865	591	34,063	
New Mexico	11	11	11		951	1,425	516			
Arizona	46	44	37	22	4,554	5,474	5,432		(13)	
Idaho	129	149	121	46	4,170	3,256	837			
Wyoming	23	23			1,399	684				
Nevada	11	5	5		750	480	351			
Utah	260	517	498	476	40,452	40,561	31,895	692	[13] 20,805	785
Pacific	4,146	4,619	4,583	4,295	723,270	970,359	922,140	28,692	622,915	49,696
Washington	991	954	904	727	126,687	143,429	118,303	5,570	71,429	14,531
Oregon	549	612	548	560	75,842	71,804	60,471	2,652	45,334	
California	2,605	3,053	3,131	3,008	520,741	755,126	743,366	20,470	506,152	35,165

[1] Mileage figures expressed to nearest mile, original figures to nearest hundredth.
[2] Includes motor-bus operations.
[3] Includes trolley-bus operations.
[4] Data for Maine, Rhode Island, and [illegible]
[5] Data for Vermont, Rhode Island, an[illegible]
[6] Data for Rhode Island included with Massachusetts.
[7] Data for Minnesota, North Dakota, [illegible] combined.

Operating Statistics, by States

other data relate to the total operations of companies domiciled in the State, part of which may be con- passenger revenue and in other similar ratios are largely due to differences in the relative importance directly by electric railways; lines operated by subsidiary and successor companies are not included.

Passenger revenue of companies domiciled in State (thousands of dollars)					Revenue car-miles operated by companies domiciled in State (thousands)					Division and State
	1927		1932 [3]			1927		1932 [3]		
1922 [2]	Car lines	Motor-bus lines	Car lines	Motor-bus lines	1922 [2]	Car lines	Motor-bus lines	Car lines	Motor-bus lines	
854, 663	834, 601	14, 578	518, 060	55, 428	2, 124, 523	2, 163, 773	65, 068	1, 681, 491	273, 618	U.S.
87, 704	79, 752	4, 607	43, 262	10, 400	173, 083	154, 549	15, 971	106, 242	40, 904	N.E.
4, 243	3, 060		1, 437	(4)	11, 027	9, 485	174	6, 814	(4)	Maine.
1, 585	924	44	410		4, 006	2, 767	71	1, 838		N.H.
451	258		(5)		1, 406	980	30	(5)		Vt.
58, 521	55, 198	[6] 4, 563	31, 692	7, 142	105, 162	96, 723	13, 166	68, 819	26, 444	Mass.
22, 904	20, 312	(6)	[5] 9, 723	[4] 3, 258	16, 244	13, 932	2, 530	[5] 28, 771	[4] 14, 460	R.I.
					35, 238	30, 662				Conn.
297, 560	308, 687	17	219, 363	19, 288	710, 550	755, 120	55	664, 046	75, 473	M. A.
168, 451	186, 692	16	152, 936	3, 284	442, 114	496, 910	51	492, 408	9, 757	N.Y.
30, 863	21, 743	1	9, 184	16, 004	69, 214	52, 179	4	23, 459	65, 716	N.J.
98, 246	100, 252		57, 243		199, 222	206, 031		148, 179		Pa.
213, 365	211, 622	5, 061	117, 259	11, 823	546, 337	571, 510	22, 683	385, 595	65, 214	E. N. C.
55, 359	50, 309	1, 989	25, 743	3, 980	141, 247	136, 400	7, 081	83, 663	20, 851	Ohio.
20, 286	18, 579	513	7, 399	1, 023	58, 552	63, 782	4, 043	41, 971	7, 566	Ind.
93, 817	100, 278	1, 007	63, 817	1, 354	230, 127	256, 985	4, 310	194, 267	9, 811	Ill.
31, 473	29, 186	196	12, 896	3, 353	83, 571	78, 929	1, 316	37, 936	16, 383	Mich.
12, 430	13, 270	1, 356	7, 404	2, 113	32, 840	35, 414	5, 933	27, 758	10, 603	Wis.
66, 880	56, 599	394	34, 188	2, 497	174, 012	159, 097	2, 303	122, 072	18, 985	W. N. C.
15, 850	14, 379		9, 387	(7)	36, 066	35, 546		29, 403	(7)	Minn.
7, 850	5, 968	175	2, 652	366	29, 152	23, 892	783	15, 881	3, 109	Iowa.
34, 137	30, 106		18, 660	1, 344	80, 738	76, 702	180	61, 094	7, 192	Mo.
342	382	[8] 167	(9)	(7)	926	951		737	(7)	N.Dak.
					579	368	879			S.Dak.
4, 930	3, 695	12	[9] 2, 646	[7] 375	13, 980	11, 291	65	7, 911	[7] 2, 886	Nebr.
3, 771	2, 069	40	843	412	12, 571	10, 347	396	7, 046	3, 793	Kans.
58, 863	54, 733	[10] 749	32, 931	3, 259	153, 154	151, 263	3, 812	119, 933	20, 994	S. A.
					3, 883	3, 649				Del.
30, 995	29, 164		19, 510	860	42, 401	40, 387		53, 919	5, 617	Md.
		(10)			21, 037	20, 082	2, 775			D.C.
7, 540	6, 979		3, 871	1, 691	24, 312	24, 632		17, 781	8, 975	Va.
6, 570	5, 761		2, 527	(11)	15, 238	15, 504		11, 934	(11)	W.Va.
2, 068	1, 708		913	176	6, 887	6, 595		5, 641	1, 418	N.C.
1, 755	751		395	143	7, 719	7, 399		6, 283	1, 367	S.C.
7, 521	6, 991	(10)	4, 057	[11] 207	22, 619	21, 429	150	15, 888	[11] 2, 007	Ga.
2, 414	3, 379	(10)	1, 658	182	9, 058	11, 586	887	8, 487	1, 610	Fla.
20, 840	20, 541		11, 880	562	58, 389	59, 504		47, 455	4, 303	E. S. C.
7, 643	7, 764		4, 879	450	20, 372	21, 480		17, 496	2, 755	Ky.
7, 735	7, 252		4, 450		19, 122	20, 635		16, 248		Tenn.
4, 812	5, 270		2, 450	112	15, 820	15, 910		12, 539	1, 548	Ala.
650	255		101		3, 075	1, 479		1, 172		Miss.
29, 529	27, 562	1, 094	13, 301	2, 645	80, 091	82, 050	5, 215	59, 200	18, 914	W. S. C.
1, 781	1, 530	3	794	382	5, 735	6, 371	26	5, 138	2, 380	Ark.
9, 388	8, 554	265	4, 819		20, 429	18, 239	1, 123	13, 509		La.
3, 127	2, 443	301	1, 040	269	9, 356	9, 017	1, 416	7, 548	2, 374	Okla.
15, 233	15, 035	525	6, 648	1, 994	44, 571	48, 423	2, 650	33, 005	14, 160	Tex.
11, 459	9, 072	136	4, 613	211	32, 739	32, 187	723	21, 404	2, 029	Mt.
951	859		237		2, 979	3, 090		2, 344		Mont.
6, 222	4, 898	(12)	2, 834	144	15, 746	15, 152	259	10, 639	1, 368	Colo.
382	447		(13)		410	334				N.Mex.
					981	1, 096		(13)		Ariz.
388					1, 323	770				Idaho.
					253					Wyo.
					108	80				Nev.
3, 516	2, 868	[12] 136	[13] 1, 542	67	10, 939	11, 665	464	[13] 8, 421	661	Utah.
68, 463	66, 033	2, 520	41, 263	4, 743	196, 168	198, 493	14, 306	155, 544	28, 302	Pac.
12, 273	10, 587	972	5, 385	1, 949	36, 299	32, 273	3, 953	23, 558	11, 527	Wash.
6, 285	5, 147		3, 189		21, 341	20, 192	1, 313	15, 165		Oreg.
49, 905	50, 299	1, 548	32, 689	2, 794	138, 528	146, 028	9, 040	116, 821	17, 275	Calif.

[8] Data for Missouri and South Dakota.
[9] Data for North Dakota included with Nebraska.
[10] Figures for [illegible] District of Columbia, Georgia, and Florida.
[11] Data for W[illegible]
[12] Data for C[illegible]
[13] Data for Arizona included with Utah.

Source: Bureau of the Census, Department of Commerce.

No. 423.—ELECTRIC RAILWAYS: INCOME ACCOUNT OF OPERATING COMPANIES

NOTE.—See headnote to Table 420

[All figures except percentages in thousands of dollars]

	All companies				Surface lines		Motor-bus lines	
	1912	1922	1927	1932	1927	1932	1927	1932
Gross operating revenue	567,511	1,016,719	[1] 927,774	[1] 566,749	798,754	447,628	68,121	99,887
Railway operations	535,996	925,477	918,869	566,290	789,849	447,169	68,121	99,884
Passenger	502,652	854,663	834,601	518,060	713,288	408,431	65,490	95,851
Baggage, express, and milk	3,688	5,285	4,271	1,328	4,271	1,328	1,763	2,478
Freight	10,165	31,560	39,125	17,647	39,125	16,657		
Other railway operations	19,491	33,969	40,873	29,255	33,165	20,753	868	1,555
Auxiliary operations	31,515	91,242	[1] 8,905	[1] 459	8,905	459	--------	[2] 3
Operating expenses (total)	332,896	727,795	[1] 694,460	[1] 442,993	616,258	364,269	66,002	94,618
Railway operating expenses	318,700	678,563	686,638	442,607	608,436	363,883	65,771	94,618
Way and structures	44,270	102,003	96,285	61,000	85,807	48,674	23,717	30,134
Equipment	38,717	87,237	92,865	55,921	79,249	43,993		
Power	53,599	107,246	98,602	70,647	84,508	56,420		
Conducting transportation	[3] 129,205	286,690	294,322	186,515	262,415	154,633	42,054	64,484
All other	52,909	95,388	104,564	68,524	96,457	60,163		
Auxiliary operations	14,196	49,232	[1] 7,822	[1] 386	7,822	386	[4] 231	--------
Ratio of expenses to revenue (per cent)	58.7	71.6	74.9	78.2	77.2	81.4	96.6	94.7
Net operating revenue	234,615	288,924	[1] 233,314	[1] 123,756	182,496	83,359	2,119	5,269
Taxes	35,028	64,788	57,809	40,670	49,594	33,416	2,880	6,024
Operating income	199,587	224,136	[1] 175,505	[1] 83,086	132,902	49,943	[5] *761*	[5] *755*

[1] Figures beginning with 1927 not comparable with corresponding figures for prior years, as a number of companies that formerly reported their light and power departments in "auxiliary operations" furnished [illegible] departments in 1927 and 1932 which are included in statistics for "Central [illegible]"

[3] Includes superintendence of power.

[4] Net deficit.

[5] Deficit.

Source: Bureau of the Census, Department of Commerce.

No. 424.—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	
			Dollars	*Dollars*			*Dollars*	*Dollars*	*Dollars*
1910	11	697	12,629,400	75,490,735	22	724	19,106,613	26,374,075	(1)
1911	19	519	29,533,450	38,973,293	25	661	91,354,800	115,092,750	(1)
1912	26	374	20,410,700	11,133,800	18	267	14,197,300	10,685,250	(1)
1913	18	343	31,006,900	47,272,200	17	302	15,243,700	19,094,500	(1)
1914	10	362	35,562,550	19,050,460	11	181	26,239,700	44,094,241	(1)
1915	27	1,163	40,557,950	39,036,100	19	308	30,508,817	16,759,997	(1)
1916	15	350	14,119,168	11,434,708	19	430	13,895,400	22,702,300	(1)
1917	21	1,288	33,597,305	33,344,800	26	745	27,281,900	27,313,045	(1)
1918	29	2,106	92,270,779	172,015,103	23	524	37,740,325	20,149,384	(1)
1919	51	3,856	209,424,110	305,760,151	29	2,675	89,893,400	79,836,738	42,300
1920	19	1,055	36,467,105	67,755,850	13	260	7,782,400	11,227,328	52,000
1921	18	954	31,714,450	34,252,550	13	778	33,642,255	30,863,526	5,000
1922	14	702	17,596,050	25,160,800	13	323	7,491,500	12,640,600	14,683
1923	12	333	6,760,100	13,255,300	15	927	118,077,959	110,638,250	12,265,000
1924	13	1,164	30,355,585	40,290,355	14	869	21,022,800	34,845,535	3,440,388
1925	13	1,129	36,291,045	48,632,084	13	569	18,074,300	18,329,555	53,000
1926	16	1,281	16,871,390	117,743,311	28	1,291	20,054,700	57,340,363	214,000
1927	12	567	16,895,523	20,292,816	16	941	53,345,000	78,445,100	3,140,000
1928	8	396	8,467,200	15,014,400	8	1,004	26,084,325	40,683,400	168,150
1929	5	500	39,035,000	36,373,900	10	510	18,472,995	21,173,700	286,359
1930	15	1,765	79,647,700	97,442,081	8	1,055	36,254,965	44,564,000	--------
1931	16	1,526	40,782,922	45,155,383	12	845	38,206,600	19,769,600	50,000
1932	20	1,932	176,333,850	392,719,308	6	347	10,685,000	12,609,800	--------
1933	10	1,736	39,773,300	119,298,196	8	405	9,575,405	16,346,700	7,500

[1] Data not available.

Source: Annual Statistical Number, Transit Journal.

No. 425.—ELECTRIC RAILWAYS: SUMMARY OF STATISTICS OF SUBWAY AND ELEVATED LINES [1]

	1907	1912	1917	1922	1927	1932
Number of companies	6	7	7	7	[2] 4	[2] 7
Miles of track [3]	420.4	517.8	666.1	857.9	870.9	1,028.4
Number of cars	4,453	5,706	6,801	8,096	8,654	12,645
Passengers carried (thousands)	640,705	1,004,823	1,274,652	1,745,167	2,222,586	2,039,445
Revenue passengers, including pay transfer	635,653	991,062	1,262,509	1,743,284	2,220,794	2,033,618
Revenue car mileage (thousands)	143,268	219,375	247,199	303,346	377,213	396,880
Average number of revenue passengers:						
Per mile of all track [4]	1,514,866	1,913,950	2,112,349	2,229,719	2,858,422	2,092,587
Per passenger-car hour	(5)	(5)	(5)	90.86	93.80	(5)
Salaried employees:						
Number	362	907	1,937	1,372	1,471	1,812
Salaries (thousands of dollars)	569	1,398	2,648	3,008	3,877	4,525
Wage earners:						
Number	12,501	19,098	26,835	26,007	27,955	29,982
Wages (thousands of dollars)	8,588	13,867	22,093	40,988	47,283	50,462

[1] Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group.
[2] Four companies were consolidated and treated as one company in 1927, but as separate companies in 1932.
[3] Includes a minor amount of surface trackage.
[4] Average for 1907 and 1912 based on all track exclusive of idle track and [illegible] for 1917, 1922, and 1927, on running track exclusive of idle track and freight [illegible] on total main track.
[5] No data.

No. 426.—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. Mileage expressed in nearest tenth

Class of trackage and State	1912	1917	1922	1927	1932	Class of trackage and State	1912	1917	1922	1927	1932
Elevated, total	417.8	497.3	601.7	634.2	638.3	Subways and tunnels, total	112.7	218.8	325.6	342.4	510.3
New York	230.8	297.0	362.8	373.0	379.8	New York [1]	70.5	162.4	269.1	281.7	356.9
[illegible]	[illegible]	146.9	163.9	178.7	178.7	Massachusetts	18.5	25.2	27.0	29.4	30.6
[illegible]	[illegible]	16.7	32.4	32.2	32.2	New Jersey [1]	11.7	12.6	12.6	12.6	12.6
Massachusetts	26.6	26.2	30.1	35.6	40.1	Pennsylvania	8.4	9.0	8.0	9.2	38.4
New Jersey	4.3	4.4	4.3	4.3	4.4	California	.3	5.4	5.4	5.9	8.5
Missouri	2.9	3.0	2.9	------	------	Illinois	1.9	1.9	1.8	1.8	61.2
Washington	------	------	2.7	7.8	------	All other States [2]	1.4	2.3	1.7	1.8	2.1
Maryland	1.4	1.4	1.4	1.4	1.4						
California	------	1.2	1.2	1.2	.6						
Kansas	------	.5	------	------	------						
Minnesota	------	------	------	------	1.1						

[1] Figures for New Jersey include 11.68 miles owned and operated by a New York company.
[2] [illegible] and Tennessee, 1912; Connecticut, Minnesota, Missouri, Rhode Island, West [illegible] 1917; Rhode Island, Minnesota, and Missouri, 1922; Minnesota, Missouri, Rhode [illegible], 1927; Minnesota, Missouri, Montana, Rhode Island, and Washington, 1932.

No. 427.—ELECTRIC RAILWAYS: FINANCES OF ELEVATED AND SUBWAY LINES

NOTE.—All figures in thousands of dollars. Data exclude the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group

Account	1907	1912	1917	1922	1927	1932
Income from all sources	34,258	55,246	70,213	108,483	132,135	121,612
Operating revenues	33,874	52,239	68,537	105,862	129,020	119,120
Operating expenses	15,129	23,613	31,669	67,660	78,202	78,723
Net operating revenue	18,745	28,626	36,868	38,202	50,818	40,397
Taxes of operating companies	1,986	3,501	5,136	6,441	8,215	7,253
Operating income	16,759	25,125	31,732	31,761	42,603	33,143
Miscellaneous income	384	3,008	1,676	2,621	3,115	2,492
Gross income	17,143	28,133	33,408	34,382	45,718	35,635
Deductions from gross income	11,473	18,902	21,347	34,856	33,907	34,036
Interest	3,701	9,654	10,442	19,225	23,270	26,451
Miscellaneous	7,772	9,248	10,905	15,631	10,637	7,585
Net income	5,670	9,231	12,061	[1] 474	11,811	1,599
Dividends	4,009	8,530	10,087	----------	6,250	(2)
Surplus	1,661	701	1,974	[1] 474	5,561	(2)

[1] Deficit. [2] Not shown separately.

Source of Tables 425, 426, and 427: Bureau of the Census, Department of Commerce.

No. 428.—MOTOR-BUS OPERATIONS: Summary of Statistics for Lines Operated by Electric Railways, Subsidiary, and Successor Companies

Note.—Data for successor companies not available in 1927

	1927			1932			
		Operated by—			Operated by—		
	Total	Electric railway companies	Subsidiary companies	Total	Electric railway companies	Subsidiary companies	Successor companies
Number of companies	301	98	203	498	173	95	230
Number of routes operated	1,583	482	1,101	3,613	2,119	533	961
Miles of route (round trip)	29,267	7,073	22,194	77,897	21,556	20,577	35,764
Miles of street or highway served (one way)	14,299	3,313	10,986	36,652	9,708	9,363	17,581
Number of busses, total	8,277	2,064	6,213	15,064	8,559	3,070	3,435
Owned	7,818	1,885	5,933	14,076	8,083	2,961	3,032
Rented	459	179	280	988	476	109	403
Single-deck	7,745	1,976	5,769	14,486	8,256	2,828	3,402
Owned	7,303	1,797	5,506	13,554	7,831	2,719	3,004
Rented	442	179	263	932	425	109	398
Double-deck	532	88	444	578	303	242	33
Owned	515	88	427	522	252	242	28
Rented	17		17	56	51		5
Number of busses in operation	7,681	1,901	5,780	13,297	7,596	2,709	2,992
Average number of busses operated in scheduled service during year	6,238	1,585	4,653	10,703	6,205	1,979	2,519
Number of passengers carried (thousands)	875,402	214,694	660,708	1,302,318	880,543	225,984	195,791
[illegible]	[illegible]	163,199	608,608	1,135,500	749,423	202,531	183,546
[illegible]	[illegible]	4,583	7,871	12,162	4,361	6,528	1,273
[illegible]	[illegible]	45,667	39,568	143,729	118,704	15,658	9,367
[illegible]	[illegible]	1,246	4,661	10,928	8,055	1,268	1,605
Nur[illegible]	[illegible]	65,905	206,613	499,025	275,633	102,770	120,622
Revenue miles	270,483	65,068	205,415	494,022	273,618	101,345	119,959
Nonrevenue miles	2,035	837	1,198	4,103	2,015	1,425	663
Number of bus-hours (thousands)	24,927	5,716	19,210	43,308	24,521	8,955	9,832
Revenue hours	24,571	5,632	18,939	42,760	24,265	8,722	9,773
Nonrevenue hours	356	84	271	548	256	233	59
Number killed or died from injuries	108	15	93	95	60	15	20
Number injured but not killed	10,082	3,151	6,931	11,820	8,226	2,643	951
INCOME STATISTICS (thousands of dollars)							
Operating revenues	68,121	15,135	52,986	99,884	57,178	22,232	20,474
Transportation revenues	67,253	15,004	52,248	98,329	56,444	21,747	20,138
Miscellaneous	868	131	738	1,555	734	485	336
Operating expenses	65,771	15,272	50,500	94,618	52,247	22,054	20,317
Maintenance of plant and equipment	23,717	5,398	18,319	30,134	16,850	7,280	6,004
Operation	36,056	8,554	27,502	54,637	30,270	12,645	11,722
General expense including traffic promotion	5,998	1,320	4,678	9,847	5,127	2,129	2,591
Net operating revenue, motor-bus lines	2,349	[1] *137*	2,486	5,266	4,931	178	157
Net revenue from auxiliary operations	[1] *231*		[1] *231*	4			4
Total net revenues, motor-bus and auxiliary	2,119	[1] *137*	2,255	5,270	4,931	178	161
Taxes	2,880	584	2,295	6,024	3,388	1,431	1,205
Operating income, motor-bus and auxiliary	[1] *761*	[1] *721*	[1] *40*	[1] *758*	1,542	[1] *1,252*	[1] *1,048*
Nonoperating income	295	32	264	545	62	159	324
Gross income	[1] *466*	[1] *690*	224	[1] *209*	1,605	[1] *1,094*	[1] *720*
Deductions from gross income	1,707	198	1,509	2,676	906	901	869
Net income	[1] *2,173*	[1] *888*	[1] *1,285*	[1] *2,885*	699	[1] *1,995*	[1] *1,589*
Number of employees	16,633	3,619	13,014	30,514	17,940	6,330	6,244
Salaried employees	2,333	265	2,068	3,806	2,105	827	964
Wage earners	14,300	3,354	10,946	26,618	15,835	5,503	5,280
Salaries and wages (thousands of dollars)	27,564	6,119	21,445	43,512	25,690	9,209	8,613
Salaries	3,340	657	2,683	6,439	3,351	1,337	1,751
Wages	24,224	5,462	18,762	37,073	22,339	7,872	6,862

[1] Deficit.

Source: Bureau of the Census, Department of Commerce.

No. 429.—CIVIL AERONAUTICS: Summary of Statistics

Item	1928	1930	1931	1932	1933
SCHEDULED AIR TRANSPORT OPERATIONS					
Services in operation Dec. 31	63	122	126	136	112
Miles of all airways in operation Dec. 31	16,667	49,549	50,398	48,530	47,687
Airplanes in service and reserve Dec. 31	325	600	590	564	504
Value	$7,000,000	$11,489,540	$9,167,500	$8,763,432	$9,500,000
Total personnel employed Dec. 31	1,496	3,475	[1] 5,645	[1] 5,588	[1] 6,273
Pilots employed	308	675	690	709	749
Airplane miles flown, all operators	10,673,450	36,945,203	47,385,987	50,932,967	54,642,545
Airplane miles flown daily, average for the year	29,242	101,220	129,825	139,542	149,706
Passengers carried	49,713	417,505	522,345	540,681	568,940
Average passenger-mile rate (domestic)	$0.11	$0.083	$0.0674	$0.061	$0.061
Express and freight carried, pounds	216,644	468,571	1,151,348	1,600,821	2,452,812
Express and freight privately carried, pounds	1,631,512	2,400,684	1,532,156	669,011	----
Miles of mail airways Dec. 31 [2]	14,561	41,501	43,735	45,436	44,665
Airplane miles flown with mail [2]	7,846,296	19,904,185	33,113,720	36,053,067	41,671,490
Mail carried by contractors, pounds [2]	4,063,173	8,513,675	9,643,211	7,908,723	7,816,532
Average mail load per scheduled round trip, pounds [3]	489	608	678	522	----
Mail income to contractors [2]	$7,432,721	$20,015,969	$26,884,043	$26,234,321	$23,413,691
Average mail income per scheduled round trip [3]	$994	$974	$1,482	$1,363	----
Average income per pound of contract mail [3]	$2.03	$1.60	$2.19	$2.61	$2.24
Average mail income per contract mile flown [3]	$0.94	$0.88	$0.70	$0.56	$0.43
MISCELLANEOUS [4]					
Airplane miles flown (misc. flying operations)	60,000,000	108,269,760	94,343,115	78,178,700	71,222,845
Miles airways lighted by Dept. of Commerce	6,988	15,258	17,512	19,500	18,655
Under construction	2,314	3,221	1,988	----	2,638
Beacons, revolving and flashing (Federally operated)	1,188	1,652	1,836	1,988	1,796
Beacons, privately owned and certified	54	140	188	228	269
Radio communication stations	29	45	56	61	68
Radio range beacon stations	2	33	47	68	94
Radio marker beacons	----	6	46	74	77
Weather reporting airway and airport stations [5]	----	143	234	234	205
Weather Bureau airway stations [6]	95	279	348	310	317
Weather Bureau first order stations	206	209	218	216	194
Commercial and private airports	365	564	673	645	713
Municipal airports	368	550	636	549	563
Intermediate landing fields—Dept. of Commerce—					
Lighted	210	347	385	337	246
Unlighted	----	7	19	15	19
Auxiliary airports—marked	340	240	300	476	550
Army, Navy, Marine Corps, National Guard, reserve and miscellaneous airports	81	74	80	95	97
Pilots licensed (active), airplane	4,887	15,280	17,739	18,594	13,960
Airplanes licensed (active)	3,165	7,354	7,553	7,330	6,896

[1] Includes operation and offic
[2] All air mail routes, whether
[3] Domestic only, as foreign mileage basis.
[4] All data, except airplane miles flown, are as of Dec. 31.
[5] Teletypewriter equipped.
[6] Not equipped with teletypewriter.

Source: Aeronautics Branch, Department of Commerce.

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 Puerto 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, stores, 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 requ[illegible] from light water line (that is, with only the machinery and equipment on board [illegible] refore the weight of the cargo, fuel, etc., which a vessel is designed to carry with [illegible] tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

No. 430.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

[In thousands of short tons of 2,000 pounds]

	1927	1928	1929	1930	1931	1932
Foreign commerce, total	120, 523	126, 768	127, 510	114, 110	89, 526	70, 429
Imports, through seaports	43, 388	46, 690	51, 591	46, 448	37, 375	29, 843
Exports, through seaports	56, 550	56, 151	55, 761	48, 148	38, 841	30, 039
Imports, Great Lakes ports	8, 098	8, 548	6, 385	7, 590	4, 016	3, 072
Exports, Great Lakes ports	12, 487	15, 379	13, 773	11, 924	9, 294	7, 475
Domestic commerce, unadjusted total	473, 118	482, 232	527, 535	477, 220	403, 918	319, 870
Coastwise, between ports	121, 036	119, 254	124, 999	117, 821	113, 949	94, 434
Great Lakes, between ports	113, 917	119, 301	135, 838	109, 791	71, 788	39, 544
Local traffic of seaports and Great Lakes ports [1]	78, 162	77, 925	91, 892	81, 403	70, 814	57, 929
Traffic between seaports and river points	38, 191	37, 672	39, 632	35, 601	34, 044	24, 134
Traffic on rivers, canals, and connecting channels [2]	121, 812	128, 080	135, 174	132, 604	113, 323	103, 829
Foreign and domestic, unadjusted total	593, 641	609, 000	655, 045	591, 330	493, 444	390, 299
Deduction of duplications:						
Traffic between seaports and river points	38, 191	37, 672	39, 632	35, 601	34, 044	24, 134
Other duplications (canals, etc.) [3]	22, 950	32, 128	31, 613	35, 449	13, 752	23, 676
Net total, foreign and domestic	532, 500	539, 200	583, 800	520, 280	445, 648	342, 489
Approximate net total, domestic [4]	411, 977	412, 432	456, 290	406, 170	356, 122	272, 060

[1] Includes the following, with figures for 1932: Harbor traffic of New York, Philadelphia, and San Francisco (34,699,000 tons); local traffic of other seaports (18,431,000); local traffic of lake ports (4,798,000).

[2] Excluding St. Marys Falls Canal traffic (20,481,000 tons in 1932) and additional Detroit River traffic (26,966,000 tons in 1932), both of which are already counted in Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.

[3] Principally coastwise and lake traffic passing through canals and connecting channels, other than the St. Marys Falls Canal and the Detroit River.

[4] 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. 431.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1932

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; [illegible] in the case of New York, Philadelphia, and San Francisco, what is [illegible] of a harbor for which separate statistics are maintained. These for [illegible] tonnage is large, are of much less economic importance than foreign and coastwise traffic

Port	Imports	Exports	Coastwise	
			Receipts	Shipments
Grand total	**29,843**	**30,039**	**93,170**	**95,698**
Atlantic ports	**24,311**	**8,479**	**62,482**	**34,710**
Searsport, Me	4	6	353	237
Portland, Me	280	91	1,666	211
Portsmouth, N.H	22	-------	204	5
Boston Harbor, Mass	2,010	209	9,786	1,097
Beverly, Mass	32	-------	448	12
Salem, Mass	1	-------	251	-------
Lynn, Mass	16	-------	249	-------
New Bedford and Fairhaven, Mass	1	2	576	37
Fall River, Mass	375	-------	1,201	755
Newport, R.I	-------	-------	111	4
Providence, R.I	487	4	3,188	595
New London, Conn	9	(1)	393	110
New Haven, Conn	15	11	1,610	216
Bridgeport, Conn	19	-------	818	48
Stamford, Conn	-------	-------	216	25
Greenwich, Conn	-------	-------	90	1
New York Harbor, N.Y	12,747	4,884	24,520	5,977
Hempstead, N.Y	-------	-------	340	2,314
Port Jefferson, N.Y	-------	-------	63	1,267
[illegible]	3,615	869	5,840	2,514
[illegible]	2,684	529	3,913	810
[illegible]	581	922	1,265	15,583
[illegible]	94	14	527	20
[illegible]				
S.C.[2]	340	154	795	156
Savannah, Ga	266	279	839	411
Brunswick, Ga	42	96	275	278
Fernandina, Fla	1	50	(1)	19
Jacksonville, Fla	237	227	940	359
Miami, Fla	124	53	349	73
Key West, Fla	65	48	53	3
San Juan, P.R	155	15	434	239
Gulf ports	**3,074**	**12,084**	**6,586**	**37,306**
Charlotte, Fla	-------	174	1	186
Tampa, Fla	101	648	819	702
Pensacola, Fla	28	257	136	103
Mobile, Ala	218	722	619	220
Gulf ports—Con.				
Gulfport, Miss	18	96	19	2
New Orleans, La	1,931	1,766	2,298	2,017
Baton Rouge, La	186	926	2	2,254
Galveston, Tex	228	1,552	470	743
Texas City, Tex	10	105	32	2,052
Houston, Tex	182	3,142	731	7,640
Freeport, Tex	-------	132	(1)	219
Port Aransas, Tex	-------	-------	-------	666
Sabine, Tex	-------	-------	-------	504
[illegible]	53	1,776	767	7,937
[illegible]	97	561	179	11,796
[illegible]	3	188	80	89
Pacific ports	**2,458**	**9,477**	**24,102**	**23,682**
San Diego, Calif	24	1	584	16
Los Angeles, Calif	420	4,632	5,031	8,206
San Luis Obispo, Calif	-------	551	9	1,629
San Francisco Bay, Calif	1,029	2,199	9,444	4,942
Monterey, Calif	-------	-------	60	595
Humboldt, Calif	-------	5	169	68
Long Beach, Calif	34	76	659	1,501
Coos Bay, Oreg	-------	45	40	98
Portland, Oreg	79	573	2,211	787
Other ports on Columbia and Willamette Rivers	(1)	97	167	231
Longview, Wash	4	78	42	346
Grays Harbor, Wash	1	179	82	216
Port Gamble, Wash	4	12	1	201
Olympia, Wash	-------	53	52	222
Tacoma, Wash	162	396	495	526
Seattle, Wash	284	360	2,633	1,185
Everett, Wash	32	54	141	265
Anacortes, Wash	25	4	47	27
[illegible] Wash	26	39	83	209
[illegible]	115	11	105	152
[illegible] Wash	96	(1)	369	56
Port Ludlow, Wash	-------	16	1	184
[illegible]	80	5	983	605
[illegible]	2	(1)	133	225
[illegible]	17	-------	143	246

[1] Less than 500 tons.
[2] Including Delaware and Schuylkill Rivers, Pa. In prior years included also points on Delaware River below Allegheny Avenue, Philadelphia.
[3] Including Ashley River.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 432.—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			
	1929	1930	1931	1932	1929	1930	1931	1932
Total	**141,182**	**116,812**	**74,300**	**42,484**	**150,653**	**122,283**	**82,586**	**47,151**
Agate Bay, Minn	184	101	67	7	7,416	7,102	3,742	460
Alpena, Mich	289	252	207	133	1,623	1,483	1,412	1,763
Ashland, Wis	856	786	590	337	8,535	5,655	3,259	756
Ashtabula, Ohio	8,938	6,451	2,123	406	3,435	4,323	4,021	3,460
Buffalo, N.Y	15,277	12,487	9,695	6,716	2,689	2,572	2,359	2,016

No. 432.—Great Lakes, Commerce of the Principal Ports—Continued

Port	Receipts				Shipments			
	1929	1930	1931	1932	1929	1930	1931	1932
Calcite, Mich.	125	93	40	24	10,694	8,660	3,753	1,323
Charlotte, N. Y. (Rochester)	150	149	138	74	1,458	925	851	503
Chicago, Ill.[1]	14,920	11,238	7,046	2,741	1,417	1,561	2,472	2,112
Cleveland, Ohio	14,059	9,620	4,683	2,230	2,626	2,198	1,953	1,929
Conneaut, Ohio	9,572	8,570	4,246	369	2,874	2,247	1,426	832
Detroit, Mich.	4,628	4,847	3,194	2,840	787	297	308	166
Duluth-Superior	12,130	11,247	8,766	6,615	48,256	34,480	17,692	3,904
Erie, Pa.	2,301	1,905	1,269	306	963	2,496	2,416	1,753
Escanaba, Mich.	185	222	154	119	7,116	4,543	1,784	368
Fairport, Ohio	3,737	3,071	1,719	674	1,575	840	529	1,052
Frankfort, Mich.	925	787	607	656	851	663	480	375
Gary, Ind.	8,728	6,723	3,997	379	102	190	60	58
Grand Haven, Mich.	589	444	365	242	715	543	447	595
Green Bay, Wis.	1,474	1,510	1,374	1,197	311	299	6	18
Huron, Ohio	1,315	1,005	489	205	781	903	828	569
Indiana Harbor, Ind.	6,189	5,211	3,012	838	1,302	1,294	1,406	1,478
Kewaunee, Wis.	302	221	168	151	269	239	207	149
Keweenaw Waterway, Mich.	825	803	493	97	40	22	22	18
Lorain, Ohio	4,804	3,422	2,266	772	2,328	2,028	1,468	981
Ludington, Mich.	1,038	862	222	540	1,634	1,351	1,541	872
Manistique, Mich.	109	123	88	50	156	151	85	61
Manitowoc, Wis.	1,553	1,308	1,083	801	797	606	503	514
Marquette Harbor, Mich.	180	193	162	99	981	617	450	137
Marquette Bay, Mich.		1			4,016	2,706	1,372	200
Menominee, Mich. and Wis.	568	484	409	338	254	196	173	108
Milwaukee, Wis.	6,698	6,122	4,840	4,185	1,866	1,581	1,682	1,044
Muskegon, Mich.	523	535	583	285	449	134	94	313
Ogdensburg, N. Y.	529	508	404	409	687	562	460	323
Rockport, Mich.	17	9	5	6	1,790	1,092	519	168
Rouge River, Mich.	5,725	4,472	3,270	2,149	187	404	420	483
Saginaw River, Mich.	563	1,014	738	441	56	96	312	366
Sandusky, Ohio	63	50	41	62	9,710	7,961	6,498	4,644
Sault Ste. Marie, Mich.	821	760	494	320	2	(2)	(2)	1
Sheboygan, Wis.	431	418	368	468	10	7	11	12
Sturgeon Bay, Wis.	25	26	27	23	1,038	763	210	198
Toledo, Ohio	3,538	3,553	1,439	1,035	16,179	15,970	13,133	9,697
Wyandotte, Mich.	1,759	1,577	1,349	1,229	26		23	38
All other	4,540	3,632	2,070	1,916	2,652	2,523	2,199	1,334

[1] Includes Chicago Harbor, Chicago River and Calumet Harbor.
[2] Less than 500 tons.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 433.—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	1911–1915	2,448,837	1,626,451			
1841–1845	1,613,317	884,522	1916–1920	1,348,365	798,706			
1846–1850	2,781,410	1,556,696	1921–1925	1,905,291	1,548,408	630,453	333,250	191,406
1851–1855	3,976,501	2,141,476	1926–1930	2,904,575	2,397,042	933,602	282,649	397,328
1856–1860	3,911,407	1,889,759						
1861–1865	5,049,341	2,743,929	1925	2,344,013	1,945,466	916,441	339,713	262,331
1866–1870	5,987,724	3,018,359	1926	2,369,367	1,935,278	795,598	287,189	263,202
1871–1875	5,974,097	3,326,073	1927	2,581,892	2,047,774	791,037	325,076	327,616
1876–1880	5,219,888	3,542,020	1928	3,089,998	2,535,684	1,118,788	307,642	343,593
1881–1885	5,210,389	3,495,590	1929	2,876,160	2,422,204	810,385	229,047	398,831
1886–1890	5,281,441	3,589,631	1930	3,605,457	3,044,271	1,152,200	264,202	653,399
1891–1895	4,112,061	2,962,528	1931	3,722,012	3,277,936	1,149,471	202,978	781,867
1896–1900	3,544,951	2,446,065						
1901–1905	3,335,210	2,144,492	1932	3,643,433	3,186,094	1,039,698	130,674	880,095
1906–1910	3,238,129	2,206,595	1933	4,074,002	3,574,951	705,950	94,182	1,239,632

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York.

No. 434.—ST. MARYS FALLS CANAL (SAULT STE. MARIE): 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	Eastbound	Westbound	By American vessels	By Canadian and other foreign vessels		Amount (1,000 dollars)	Average per ton per mile (mills)	
1890	9,041	6,429	2,612	8,679	362	7,207	9,472	1.30	102
1895	15,063	12,030	3,033	14,497	566	12,503	14,239	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	417
1910	62,363	47,134	15,229	58,569	3,794	52,406	38,711	.74	654
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71	882
1919	68,236	52,832	15,404	63,408	4,828	55,612	58,479	1.05	915
1920	79,282	63,464	15,818	74,866	4,416	64,702	85,742	1.33	1,120
1921	48,259	32,113	16,146	43,016	5,243	38,043	43,344	1.14	746
1922	66,067	55,020	11,047	60,812	5,255	53,564	64,154	1.20	957
1923	91,380	71,236	20,144	83,795	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	85,679	69,530	16,149	78,006	7,673	69,360	78,517	1.13	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
1929	92,622	74,840	17,782	85,839	6,783	74,881	80,268	1.07	1,000
1930	72,898	57,067	15,831	67,560	5,338	59,058	61,159	1.04	761
1931	44,614	32,687	11,927	38,554	6,060	36,342	37,030	1.02	522
1932	20,481	11,822	8,659	14,274	6,207	17,091	16,063	.94	355
1933	40,308	30,544	9,764	33,967	6,340	33,139	33,807	1.02	534

	1910	1915	1920	1925	1930	1932	1933
Passengers carried—number	66,933	50,336	68,451	56,956	45,303	20,241	20,943
Freight, eastbound—1,000 tons	47,134	56,369	63,464	67,305	57,067	11,822	30,544
Flour—1,000 bbls	7,576	8,437	7,478	9,289	8,532	7,116	7,119
Wheat—1,000 bus	86,260	255,482	143,456	292,818	243,927	207,224	198,698
Other grain—do	39,243	64,755	51,630	149,927	55,434	39,616	39,821
Lumber—1,000 ft. b. m	603,101	456,451	192,854	186,486	150,986	77,664	142,322
Iron ore—1,000 short tons	41,600	45,212	56,643	53,821	46,990	3,607	22,226
All other—do	380	506	176	222	351	217	478
Freight, westbound—1,000 tons	15,229	14,921	15,818	14,570	15,831	8,659	9,764
Coal—do	13,514	13,357	14,156	12,874	14,059	7,375	8,266
All other—do	1,715	1,564	1,662	1,696	1,772	1,284	1,498

No. 435.—OHIO RIVER TRAFFIC: TONNAGE, TON-MILEAGE, AND FREIGHT

NOTE.—Figures exclude ferry traffic. In 1932 the tons of freight carried on ferries were reported as 1,389,488 but the hauls, of course, are very short. The passengers carried other than on ferries for 1932 were 1,199,726. 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*
1920	9,382	1,183,915	223,443	1931—Total	18,071	1,486,445	166,987
1921	7,308	844,895	93,275	Up	2,529	----------	19,083
1922	6,292	807,793	144,796	Down	5,142	----------	31,169
1923	8,281	----------	110,022	Inbound	7,221	----------	57,097
1924	10,867	----------	128,356	Outbound	3,180	----------	59,639
1925	15,737	825,497	151,622				
1926	19,755	----------	150,086	1932—Total	14,317	1,392,229	153,757
1927	20,129	1,214,491	168,423	Up	1,857	----------	26,394
1928	20,938	1,344,687	191,519	Down	4,315	----------	26,955
1929	21,955	1,512,585	192,308	Inbound	6,080	----------	59,917
1930	22,337	1,473,927	188,245	Outbound	2,065	----------	40,491

Source of Tables 434 and 435: Annual Report of the Chief of Engineers, United States Army.

No. 436.—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 Illinois Rivers" for 1923 to 1927 was reported as "Between Ohio and Missouri Rivers." Ferry traffic is not included

Year	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans		Petroleum, Baton Rouge	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound to	Downbound from
1923	263,729	459,339	395,828	652,494	724,953	727,884	1,583,880	3,909,417	746,381	2,614,074
1924	300,009	438,719	528,431	624,590	917,475	748,965	1,589,202	6,044,075	766,463	3,872,316
1925	420,246	583,323	[illegible]	[illegible]	[illegible]	[illegible]	1,363,254	7,738,396	467,616	5,359,639
1926	420,379	585,600	[illegible]	[illegible]	[illegible]	[illegible]	1,462,325	9,612,163	529,590	6,116,517
1927	448,459	659,743	[illegible]	[illegible]	[illegible]	[illegible]	1,727,352	7,089,393	354,117	4,447,025
1928	474,173	956,010	[illegible]	[illegible]	[illegible]	[illegible]	1,680,541	6,974,085	379,942	4,601,718
1929	309,986	581,770	699,019	1,629,315	1,362,443	1,472,617	1,530,519	6,196,864	465,521	3,830,807
1930	341,158	585,709	726,417	2,104,930	949,015	1,428,553	2,540,936	6,636,769	206,187	3,566,642
1931	467,685	835,349	1,277,699	2,558,516	1,040,689	1,362,837	2,453,457	6,335,923	310,849	3,681,823
1932	608,982	968,408	1,140,997	1,764,265	2,200,004	2,574,598	2,589,318	5,893,243	187,693	3,695,935

	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	1931	1932	1931	1932	1931	1932	1931	1932
Upbound	**467,685**	**608,982**	**1,277,699**	**1,140,997**	**1,040,689**	**2,200,004**	**2,453,457**	**2,589,318**
Coffee	25,988	26,424	34,277	39,682	44,766	47,676	46,786	49,642
Sugar	98,810	118,955	294,640	340,844	349,500	417,633	383,127	449,404
Sisal	25,366	46,969	28,486	49,555	28,486	49,642	28,496	49,642
Burlap and bagging	19,145	19,719	21,861	20,009	26,580	24,211	27,640	25,369
Logs, barged		2,174	24,950	15,650	81,127	8,258	11,905	3,962
Petroleum and products	1,273	1,545	38,263	214,654	67,577	552,903	1,669,772	1,661,354
Receipts at Baton Rouge							310,849	187,693
Shipments from Baton Rouge							114,608	614,099
Gravel and sand	2,400	1,378	231,060	8,060	43,660	269,750	443	
Cement	3,584	39,754	10,348	1,067	129	40,500	180	13,833
Concrete			220,782	111,993	53,918	432,048	16,095	22,294
Bauxite ore	3,240	11,681	3,240	11,681	3,240	11,681	3,240	11,681
Sulphur	19,813	28,147	48,376	41,471	45,826	43,798	45,866	43,801
All other	268,066	312,236	321,416	286,331	295,880	301,904	219,907	258,336
Downbound	**835,349**	**968,408**	**2,558,516**	**1,764,265**	**1,362,837**	**2,574,598**	**6,335,923**	**5,893,243**
Wheat	129,414	31,241	129,424	29,313	139,474	30,810	139,474	30,810
Corn	7,256	131,353	9,754	157,803	9,724	157,803	9,743	160,352
Fruits and vegetables	16,883	32,104	48,864	75,459	39,186	64,297	34,864	59,657
Tobacco		25	2,961	9,440	13,507	28,398	13,537	27,988
Cotton, raw	14	42	3,588	23,795	92,708	153,609	202,483	271,080
Logs, barged	957	482	103,694	5,500	42,561		8,345	23,373
Logs, rafted or floated	15,929	1,207	77,409	62,284	72,888	63,445	98,145	39,072
Coal and coke	24,898	14,073	149,505	108,492	28,194	41,785	1,105	475
Petroleum and products	11,361	23,884	4,459	7,942	12,943	442,795	5,534,645	4,926,004
Receipts at Baton Rouge							619,397	457,061
Shipments from Baton Rouge							3,681,823	3,695,935
Stone	317,095	394,803	397,506	148,962	96,887	204,894	3,010	2,650
Gravel and sand	5,900	2,067	452,280	245,271	324,139	266,213	26,336	7,618
Cement	131,349	112,087	153,888	62,480	13,930	172,835	1,395	12,079
Concrete			339,198	244,911	147,531	504,451		22,022
Iron and steel products	40,225	31,350	383,741	249,632	105,370	75,858	90,489	63,122
Machinery	4,121	7,875	63,930	38,154	42,397	32,337	9,702	13,776
All other	129,947	185,815	238,315	294,827	181,398	335,068	162,650	233,165

Source: Annual Report of the Chief of Engineers, United States Army.

No. 437.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 378. All data after 1840 are as of June 30

Year	Number			Thousands of gross tons			Tonnage (thousands of gross tons) employed in—			
	Total	Steam and motor	All other[1]	Total	Steam and motor	All other[1]	Foreign trade	Coastwise and internal trade	Whale fisheries	Cod and mackerel fisheries
1789[2]	--------	--------	--------	202	--------	202	124	69	--------	9
1800[2]	--------	--------	--------	972	--------	972	667	272	3	29
1810[2]	--------	--------	--------	1,425	--------	1,425	981	405	4	35
1820[2 3]	--------	--------	--------	1,280	--------	1,280	584	588	36	72
1830[2 3]	--------	--------	--------	1,192	64	1,127	538	517	40	98
1840[4]	--------	--------	--------	2,181	202	1,978	763	1,177	137	104
1850	--------	--------	--------	3,535	526	3,010	1,440	1,798	146	152
1860	--------	--------	--------	5,354	868	4,486	2,379	2,645	167	163
1870	28,998	3,524	25,474	4,247	1,075	3,171	1,449	2,638	68	91
1880	24,712	4,717	19,995	4,068	1,212	2,856	1,314	2,638	38	78
1890	23,467	5,965	17,502	4,424	1,859	2,565	928	3,409	19	68
1900	23,333	7,053	16,280	5,165	2,658	2,507	817	4,287	10	52
1910	25,740	12,452	13,288	7,508	4,900	2,608	783	6,669	9	47
1915	26,701	15,948	10,753	8,389	5,944	2,446	1,863	6,486	9	32
1920	28,183	18,814	9,369	16,324	13,823	2,501	9,925	6,358	4	38
1922	27,358	18,960	8,398	18,463	15,982	2,481	10,720	7,703	4	36
1923	27,017	18,946	8,071	18,285	15,821	2,463	9,069	9,177	4	35
1924	26,575	18,750	7,825	17,741	15,315	2,425	8,794	8,911	3	32
1925	26,367	18,637	7,730	17,406	14,976	2,430	8,151	9,216	4	35
1926	26,343	18,689	7,654	17,311	14,848	2,463	7,719	9,552	3	38
1927	25,778	18,384	7,394	16,888	14,507	2,381	7,309	9,533	8	38
1928	25,385	18,270	7,115	16,683	14,347	2,336	6,934	9,706	7	36
1929	25,326	18,319	7,007	16,477	14,162	2,315	6,906	9,526	7	39
1930	25,214	18,211	7,003	16,068	13,757	2,311	6,296	9,723	7	42
1931	25,471	18,236	7,235	15,908	13,528	2,380	5,576	10,286	7	40
1932	25,156	18,224	6,932	15,839	13,568	2,271	5,071	10,728	2	38
1933	24,868	18,182	6,686	15,060	12,862	2,198	4,701	10,313	9	37

Classes	Number					Thousands of gross tons				
	1910	1920	1930	1932	1933	1910	1920	1930	1932	1933
By utilization:										
Registered—										
Foreign trade	1,490	5,932	4,175	3,866	3,888	783	9,925	6,296	5,071	4,701
Whale fisheries	36	26	14	12	14	9	4	7	2	9
Enrolled—										
Coasting and internal trade	13,654	12,181	12,497	12,726	12,278	6,555	6,233	9,608	10,612	10,195
Cod and mackerel fisheries	395	196	261	247	238	39	32	36	32	31
Licensed—										
Coasting and internal trade	9,328	9,463	8,004	8,056	8,210	114	124	115	116	118
Cod and mackerel fisheries	837	385	263	249	240	8	6	6	6	6
By location:										
Atlantic and Gulf[5]	17,084	16,850	14,321	14,377	14,301	3,523	9,739	9,904	10,678	10,106
Pacific[6]	3,574	6,512	6,466	6,533	6,462	937	3,326	3,227	3,115	2,970
Northern lakes	3,273	3,091	2,450	2,272	2,209	2,895	3,139	2,758	1,857	1,814
Western rivers	1,809	1,730	1,977	1,974	1,896	154	120	178	189	170
By power:										
Sail	8,947	4,030	1,584	1,342	1,227	1,655	1,272	757	625	563
Steam[7]	12,452	8,103	6,087	5,776	5,476	4,900	13,466	12,775	12,499	11,788
Motor[7]	--------	10,711	12,124	12,448	12,706	--------	357	982	1,069	1,075
Canal boats	674	448	226	176	166	74	52	29	23	22
Barges	3,667	4,891	5,193	5,414	5,293	878	1,177	1,525	1,623	1,613
By material:										
Wood	23,527	23,781	20,211	20,069	19,923	3,391	3,876	2,554	2,417	2,324
Metal	2,213	4,402	5,003	5,087	4,945	4,117	12,448	13,514	13,421	12,736

[1] Sailing vessels, 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 Puerto Rico in all years shown and Virgin Islands beginning 1920.
[6] Including Hawaii and Alaska. [7] Motor vessels included in steam in 1910.

Source: Reports of the Commissioner of Navigation.

No. 438.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS

Yearly average or year[1]	Number	Gross tons	Year[1]	Number	Gross tons
1797–1800	----------	72,574	1915	1,157	225,122
1801–1810	----------	[2] 102,452	1916	937	325,413
1811–1820	----------	89,797	1917	1,297	664,479
1821–1830	790	89,372	1918	1,528	1,300,868
1831–1840 [3]	[3] 945	[3] 121,713	1919	1,953	3,326,621
1841–1850 [4]	[4] 1,215	[4] 188,713	1920	2,067	3,880,630
1851–1860	1,464	365,864	1921	1,361	2,265,115
1861–1870	1,657	300,881	1922	845	661,232
1871–1880	1,454	253,801	1923	770	335,791
1881–1890	1,056	220,198	1924	1,049	223,968
1891–1900	1,055	235,699	1925	967	199,846
1901–1910	1,311	418,178	1926	924	224,673
1911–1920	1,449	1,090,938	1927	917	245,144
1921–1925	998	737,190	1928	969	257,180
1926–1930	928	222,054	1929	808	128,976
1910	1,361	342,068	1930	1,020	254,206
1911	1,422	291,162	1931	1,302	386,906
1912	1,505	232,669	1932	722	212,892
1913	1,475	346,155	1933	642	190,803
1914	1,151	316,250			

[1] Years ended Dec. 31 from [illegible] to 1842; June 30 beginning with 1843.
[2] Nine-year average, there [illegible] for 1802.
[3] Average for period Jan. 1, [illegible].
[4] Average for period Oct. 1, 1840, to June 30, 1850.

Source: Reports of the Commissioner of Navigation.

No. 439.—VESSELS BUILT IN UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: BY CLASSES AND REGION

NOTE.—For definition of "gross ton" see general note p. 378. Data are for years ended June 30

Class and where built	1901–1910, average	1911–1915, average	1916–1920, average	1921–1925, average	1926–1930, average	1931	1932	1933
Total.....number..	**1,311**	**1,342**	**1,556**	**998**	**928**	**1,302**	**722**	**642**
Gross tons.....	**418,178**	**282,272**	**1,899,604**	**737,190**	**222,054**	**386,906**	**212,892**	**190,803**
Sailing.....number..	300	70	82	38	9	4	2	3
Gross tons.....	59,857	16,339	70,599	27,685	365	52	18	46
Steam and motor..number..	681	911	1,111	697	646	682	523	539
Gross tons.....	287,593	200,669	1,734,296	639,341	148,737	212,996	164,620	168,488
Canal boats.....number..	46	36	19	9	5	1	----------	----------
Gross tons.....	5,022	4,099	2,613	1,043	952	258	----------	----------
Barges.....number..	284	325	344	254	268	615	197	100
Gross tons.....	65,705	61,164	92,096	69,121	71,999	173,600	48,254	22,269
Metal.....gross tons..	270,852	181,166	1,511,043	631,109	151,808	212,203	174,794	163,148
Wood.....do.....	147,326	101,106	388,561	106,081	70,246	174,703	38,098	27,655
Gross tons built on:								
New England coast.....	59,491	21,474	112,835	45,913	10,874	26,639	52,163	25,851
Middle Atlantic and Gulf coasts.....	130,226	149,941	833,438	442,721	123,600	287,884	133,625	151,823
Pacific coast.....	34,482	34,439	687,076	174,926	28,612	41,248	9,741	3,919
Northern lakes.....	184,724	69,794	260,138	58,317	45,292	19,535	11,813	2,044
Western rivers.....	9,256	6,623	6,117	15,313	13,676	11,600	5,550	7,166

Source: Reports of the Commissioner of Navigation.

No. 440.—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. 378. Vessels under construction Dec. 31, 1933, numbered 206 of 757,277 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	2,739,079	1,180	2,631,779	162	252,864
1915-1920, average [1]	1,488	4,046,860	1,296	3,918,746	518	1,877,382
1921-1925, average	942	2,581,653	830	2,531,592	99	315,114
1926-1930, average	873	2,468,515	808	2,427,929	74	158,788
1922	852	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
1929	1,012	2,793,210	981	2,774,191	63	126,063
1930	1,084	2,889,472	991	2,835,476	100	246,687
1931	596	1,617,115	569	1,603,551	57	205,865
1932	307	726,591	295	724,287	18	143,559
1933	330	489,016	311	479,559	14	10,771

[1] Figures during the war period are shown only for allied and neutral countries.

Source: Lloyd's Register of Shipping.

No. 441.—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 [illegible] Figures for Philippine Islands are included with United States beginning with [illegible] p. 378

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*
1895	25,086	2,165	1920	57,314	16,049	1929	68,074	14,482
1900	28,957	2,750	1925	64,641	15,377	1930	69,608	14,046
1905	35,998	3,996	1926	64,784	14,879	1931	70,131	13,642
1910	41,913	5,059	1927	65,193	14,670	1932	69,734	13,547
1915	49,262	5,893	1928	66,955	14,633	1933	67,920	13,358

	Number					Thousands of tons (see headnote)					
	1910	1920	1930	1932	1933	1910	1914	1920	1930	1932	1933
World total	**30,058**	**31,595**	**32,713**	**32,247**	**31,700**	**41,915**	**49,090**	**57,314**	**69,608**	**69,734**	**67,920**
Steam and motor	22,008	26,513	29,996	29,932	29,515	37,291	45,404	53,905	68,024	68,368	66,628
Steel and iron	20,403	23,382	27,595	27,635	27,181	36,769	44,934	51,661	67,304	67,737	66,033
Wood and composite	1,605	3,131	2,401	2,297	2,334	521	470	2,244	720	631	595
Sailing	8,050	5,082	2,717	2,315	2,185	4,624	3,686	3,409	1,584	1,366	1,293
Steel and iron	2,115	1,314	742	727	723	2,508	2,095	1,524	654	608	590
Wood and composite	5,935	3,768	1,975	1,588	1,462	2,116	1,590	1,885	930	758	703
United States	**3,469**	**5,457**	**4,223**	**3,946**	**3,845**	**5,059**	**5,368**	**16,049**	**14,046**	**13,547**	**13,358**
Steam and motor	1,712	4,110	3,517	3,351	3,287	3,827	4,330	14,574	13,202	12,820	12,660
Steel and iron	1,270	3,242	3,001	2,906	2,878	3,602	4,120	13,341	12,914	12,587	12,467
Wood and composite	442	868	516	445	409	226	210	1,234	288	233	194
Sailing	1,757	1,347	706	595	558	1,232	1,038	1,475	844	726	698
Steel and iron	139	154	147	140	142	245	236	304	288	272	273
Wood and composite	1,618	1,193	559	455	416	987	803	1,171	556	454	424

Source: Lloyd's Register of Shipping.

No. 442.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: By Nationality of Vessel

NOTE.—See general note, p. 378. 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)
Total traffic:				
1915–1933, total	73,960	338,194	312,484	339,048
1918	2,069	6,574	6,439	7,532
1919	2,024	6,125	6,173	6,917
1920	2,478	8,546	8,514	9,374
1921	2,892	11,416	11,277	11,599
1922	2,736	11,417	11,198	10,885
1923	3,967	18,606	17,508	19,568
1924	5,230	26,149	24,291	26,995
1925	4,673	22,855	21,401	23,959
1926	5,197	24,775	22,931	26,037
1927	5,475	26,228	24,229	27,748
1928	6,456	29,459	26,944	29,631
1929	6,413	29,838	27,127	30,663
1930	6,185	29,981	27,077	30,030
1931	5,529	27,792	24,645	25,083
1932	4,506	23,625	20,707	19,808
1933	4,494	22,822	19,620	18,178
United States:				
1915–1933, total	32,603	161,050	149,259	165,225
1918	567	1,704	1,714	2,098
1919	784	2,257	2,327	2,759
1920	1,129	3,791	3,806	4,547
1921	1,210	4,862	4,785	5,163
1922	1,095	4,972	4,867	4,951
1923	1,994	10,209	9,474	11,055
1924	2,947	15,807	14,483	16,654
1925	2,326	12,271	11,302	13,080
1926	2,432	12,565	11,540	13,711
1927	2,685	13,915	12,720	15,242
1928	2,753	13,753	12,646	14,249
1929	2,700	13,326	12,300	14,076
1930	2,885	14,534	13,221	14,499
1931	2,417	12,602	11,426	11,805
1932	1,917	10,791	9,749	8,835
1933	1,686	10,099	8,934	7,988
British:				
1931	1,390	7,518	6,581	5,971
1932	1,054	5,906	5,072	4,638
1933	1,039	5,660	4,814	4,171
Norwegian:				
1931	363	1,749	1,404	1,720
1932	311	1,530	1,215	1,427
1933	407	2,014	1,571	1,773
Japanese:				
1931	193	1,020	1,052	1,105
1932	179	980	992	1,032
1933	217	1,180	1,154	1,160
Chilean:				
1931	42	171	167	99
1932	5	9	8	6
1933	7	27	25	28
Danish:				
1931	120	611	520	606
1932	105	561	472	521
1933	113	531	423	449
Dutch:				
1931	125	579	473	478
1932	117	553	449	441
1933	80	500	414	381
Danzig:				
1931	27	185	165	186
1932	33	244	217	239
1933	44	344	305	348
French:				
1931	110	610	523	508
1932	81	455	372	339
1933	66	382	305	249
Swedish:				
1931	111	528	425	722
1932	114	539	435	761
1933	88	423	321	403
Spanish:				
1931	9	23	22	27
1932	2	8	7	8
1933				
Italian:				
1931	67	468	405	237
1932	67	479	414	215
1933	52	395	317	189
German:				
1931	369	1,412	1,204	1,262
1932	338	1,281	1,073	1,079
1933	325	1,011	823	813
Miscellaneous:				
1931	186	316	278	357
1932	183	287	232	267
1933	370	257	214	225

No. 443.—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. 378

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
1919	2,024	7,877	6,125	6,917	2,740	4,176
1920	2,478	11,060	8,546	9,374	4,093	5,282
1921	2,892	14,522	11,416	11,599	5,892	5,707
1922	2,736	14,361	11,417	10,885	5,496	5,389
1923	3,967	23,633	18,606	19,568	7,086	12,482
1924	5,230	33,412	26,149	26,995	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	33,556	26,228	27,748	8,583	19,165
1928	6,456	37,203	29,459	29,631	8,310	21,321
1929	6,413	37,465	29,838	30,663	9,883	20,780
1930	6,185	37,431	29,981	30,030	9,476	20,555
1931	5,529	34,233	27,792	25,083	6,680	18,402
1932	4,506	28,771	23,625	19,808	5,635	14,173
1933	4,494	27,185	22,822	18,178	4,512	13,666

[1] Panama Canal measurement.

Source of Tables 442 and 443: Report of the Governor of the Panama Canal.

No. 444.—EXPENSES AND REVENUES OF THE PANAMA CANAL

Year ended June 30—	Transit operations					Business operations		
	Tolls	Taxes, licenses, fines, etc.	Total transit revenues	Net canal transit expenses	Net revenues (surplus)	Business revenues	Business expenses	Net revenues (surplus)
1919	$6,156,119	$197,898	$6,354,017	$6,112,195				$61,027
1920	8,493,083	442,789	8,935,872	6,548,272				239,686
1921	11,261,919	778,197	12,040,117	9,328,300	2,711,817	15,232,317	14,668,106	564,211
Total, 1914 to 1921 [1]	44,565,501	1,901,291	46,466,792	45,986,067	480,725	70,840,125	69,979,538	860,587
Adjusted status to 1921 [1]	44,565,501	1,420,566	45,986,067	45,986,067		71,459,710	70,359,400	1,100,310
1922	11,193,383	192,209	11,385,592	7,919,018	3,466,575	7,747,228	7,423,968	323,259
1923	17,507,631	184,214	17,691,844	7,690,778	10,001,067	10,872,843	9,732,201	1,140,643
1924	24,289,603	392,251	24,681,854	8,373,905	16,307,949	12,968,777	12,067,153	901,624
1925	21,374,664	207,954	21,582,618	8,116,693	13,465,925	14,564,115	13,798,198	765,917
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	26,943,513	232,533	27,176,046	8,951,201	18,224,845	16,929,247	16,192,528	736,719
1929	27,123,534	243,391	27,366,926	9,637,151	17,729,775	17,236,785	16,498,935	737,850
1930	27,077,117	349,255	27,426,373	9,343,921	18,082,452	19,865,895	19,104,924	760,972
1931	24,644,550	346,030	24,990,581	10,143,354	14,847,227	17,774,467	17,211,703	562,764
1932	20,706,568	327,444	21,034,013	9,839,212	11,194,801	17,530,215	16,973,119	557,095
1933	19,621,159	310,014	19,931,173	9,155,672	10,775,501	16,583,950	15,448,242	1,135,709
Grand total	312,191,866	4,815,165	317,007,031	152,148,155	164,858,876	255,236,388	244,845,657	10,440,710

[1] To and including 1921 "[illegible]n last column are included in "Taxes, licenses, etc.," "[illegible] transit operations"; therefore the $480,725 shown under t[illegible] total this item is transferred to "Surplus from business operations" by [illegible] in this column $379,862, which is added to "Business expenses." To [illegible] plus from business operations," is also added $619,585 interest on p[illegible] received prior to June 30, 1921, but not taken up as a canal revenue.

No. 445.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: BY REGIONS

NOTE.—The table covers all disasters [illegible]g to $300 or more. The figures exclude some reports of casualties to [illegible] the closing of the report for the year which are not distributed by [illegible]es vessels in the Panama Canal Zone are not included in the table; [illegible]ls involved, 4; tonnage, 16,569; property loss, $443,410; persons on board, 113; no loss of life

Yearly average or year ended June 30—	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:									
1905-1910	358	1,091	145	1,666	10,781	2,671	17,038	21,954	461
1911-1915	296	952	126	1,496	9,551	2,341	17,389	22,295	288
1916-1920	322	678	192	1,487	39,440	13,803	9,889	19,733	651
1921-1925	253	665	113	1,808	18,794	4,374	10,207	19,859	189
1926-1930	273	780	122	2,258	17,648	4,159	11,830	23,372	219
1931	220	445	54	1,378	12,153	1,816	7,019	15,520	139
1932	281	473	64	1,499	11,869	1,566	8,789	15,209	118
1933	243	515	63	1,657	9,658	736	4,765	16,273	142
Atlantic, Gulf, and Pacific coasts:									
1926-1930	167	451	56	1,162	9,233	1,783	6,600	12,541	116
1931	127	233	24	598	6,401	1,519	3,209	7,167	82
1932	174	284	45	766	7,413	939	5,754	7,698	60
1933	139	315	34	866	4,687	339	2,292	8,959	94
Great Lakes:									
1926-1930	20	90	15	315	2,433	318	1,433	2,388	31
1931	11	34	7	102	888	57	40	840	27
1932	16	23	4	71	707	4	57	472	2
1933	17	35	7	122	929	28	18	907	7
Rivers of the United States:									
1926-1930	54	103	5	224	1,542	110	1,548	2,414	14
1931	60	68	11	168	1,639	43	1,165	2,050	10
1932	67	74	11	179	1,788	104	94	1,730	33
1933	75	67	16	155	2,364	204	928	1,877	28
At sea and on foreign coasts:									
1926-1930	32	136	45	557	4,440	1,947	2,250	6,029	58
1931	22	110	12	509	3,224	197	2,605	5,463	20
1932	24	92	4	483	1,961	518	2,884	5,309	23
1933	12	98	6	514	1,678	165	1,527	4,530	13

Sources: Table 444, Report of the Governor of the Panama Canal; Table 445, U. S. Coast Guard, Treasury Department.

No. 446.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: As of Dec. 31

NOTE.—For definition of deadweight tons see general note, p. 378. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

Origin and class	1932 Deadweight tons	1933 Number	1933 Deadweight tons
Grand total	[1] 3,071,610	[2] 285	[2] 2,425,734
ORIGIN			
Requisitioned steel	544,937	46	402,351
Contract steel	2,379,926	218	1,890,866
Contract wood or concrete		[3] 3	
Purchased	92,798	9	77,004
Seized enemy	53,949	5	53,949
All other		[4] 4	1,564
CLASS			
Steel	[1] 3,071,610	[2] 282	[2] 2,425,734
Cargo (completed)	2,949,909	264	2,308,081

Class	1932 Deadweight tons	1933 Number	1933 Deadweight tons
Steel—Continued.			
Cargo and passenger	42,024	4	42,024
Refrigerators	70,277	9	64,665
All other	9,400	5	10,964
Wood, composite, and concrete		[4] 3	
Active steel	858,697	54	453,831
Cargo	858,697	51	453,831
All other		[3] 3	
Inactive steel	2,212,913	228	1,971,903
Cargo	2,100,612	214	1,863,650
Cargo and passenger	42,024	4	42,024
Refrigerators	70,277	9	64,665
All other		1	1,564

[1] Includes 1,032,924 deadweight tons, sold for scrapping, in process of delivery; also 65,236 deadweight tons returned to United States.
[2] Includes 13 vessels of 105,605 deadweight tons transferred or returned to Board during year.
[3] Tugs.
[4] Includes 3 steel tugs.

No. 447.—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 [1]			Atlantic coast ports			Gulf coast ports		
	1930	1931	1932	1930	1931	1932	1930	1931	1932
Total commerce	[2] 111,053	[2] 87,567	[2] 70,441	56,473	45,340	35,354	20,590	16,742	14,599
Inbound	59,229	45,615	36,933	40,136	32,626	26,336	5,448	4,115	3,482
Outbound	60,868	49,228	39,247	16,337	12,714	9,018	15,142	12,627	11,117
With foreign countries [3]	97,294	75,913	60,555	47,167	37,542	28,934	19,030	15,424	13,213
Imports	47,563	35,864	28,710	33,225	26,745	21,372	4,801	3,555	2,918
Exports	49,731	40,049	31,845	13,942	10,797	7,562	14,229	11,869	10,295
Intercoastal				8,050	6,448	4,929	994	827	810
Inbound	9,044	7,276	5,739	6,073	4,962	3,816	429	367	308
Outbound	9,044	7,276	5,739	1,977	1,486	1,113	565	460	502
With noncontiguous territories [4]	4,715	4,378	4,147	1,256	1,350	1,491	566	491	576
Imports	2,622	2,475	2,484	838	919	1,148	218	193	256
Exports	2,093	1,903	1,663	418	431	343	348	298	320

	Pacific coast ports			Great Lakes ports			Ports in all territories and possessions [5]		
Total commerce	26,807	21,750	17,391	16,227	11,011	8,836	[6] 8,156	[6] 7,363	[6] 6,941
Inbound	7,013	5,366	4,420	6,632	3,508	2,696	[6] 4,143	[6] 3,586	[6] 4,392
Outbound	19,794	16,384	12,972	9,595	7,503	6,139	[6] 4,013	[6] 3,777	[6] 2,549
With foreign countries [3]	14,870	11,937	9,572	16,227	11,010	8,836	[6] 575	[6] 430	[6] 584
Imports	2,905	2,056	1,724	6,632	3,508	2,696	[6] 530	[6] 371	[6] 552
Exports	11,965	9,881	7,848	9,595	7,502	6,139	[6] 45	[6] 59	[6] 32
Intercoastal	9,044	7,276	5,739		1				
Inbound	2,542	1,947	1,615						
Outbound	6,502	5,329	4,124		1				
With noncontiguous territories [4]	2,893	2,537	2,080				[1] 7,581	[1] 6,933	[1] 6,357
Imports	1,566	1,363	1,081				[1] 3,613	[1] 3,215	[1] 3,840
Exports	1,327	1,174	1,000				[1] 3,968	[1] 3,718	[1] 2,517

[1] C[illegible]
[2] [illegible] ited.
[3] [illegible] States ports, Philippine Islands, Virgin Islands, and Canal Zor[illegible]
[4] [illegible] oa.
[5] [illegible] 3 and 4.
[6] Excluding trade with foreign countries of Canal Zone, Guam, Samoa, Virgin Islands, and Philippine Islands; data not available.

Source of tables 446 and 447: United States Shipping Board Bureau, Department of Commerce.

No. 448.—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	33,185	4,835	18,620	9,730		48,640	7,329	11,228	30,083	
1922	44,682	5,269	22,665	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	6,903	9,286	18,824	14,067
1924	40,899	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	10,092	18,386	15,564
1926	44,686	2,888	18,217	10,702	12,879	68,140	5,591	11,531	28,269	22,749
1927	42,183	2,195	19,263	9,328	11,397	56,935	6,185	12,510	20,728	17,512
1928	47,395	2,063	22,124	10,591	12,617	58,829	5,071	14,217	21,147	18,394
1929	50,985	1,824	23,408	12,173	13,580	57,475	4,618	13,303	20,624	18,930
1930	47,562	1,429	23,394	10,451	12,289	49,731	3,236	11,678	17,210	17,607
1931	35,864	1,086	16,028	7,288	11,462	40,049	2,605	8,463	13,518	15,463
1932	28,710	633	12,691	5,940	9,446	31,845	1,698	6,449	10,712	12,985
1933	26,567	632	10,386	6,438	9,111	32,386	749	7,606	10,107	13,924
Per cent distribution:										
1921	100.0	15	56	29		100.0	15	23	62	
1933	100.0	3	39	24	34	100.0	2	24	31	43
Dry cargoes:										
1921	15,823	2,173	6,177	7,473		42,660	6,604	9,561	26,495	
1923	27,962	2,724	8,253	7,531	9,454	39,592	6,713	7,104	13,985	11,790
1924	26,242	2,267	8,462	6,914	8,599	41,204	6,460	8,290	14,146	12,308
1925	30,352	2,077	9,692	8,064	10,519	39,298	5,467	6,592	14,387	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	10,381	8,165	10,167	43,416	5,986	8,617	15,449	13,364
1928	32,988	2,052	11,347	8,889	10,700	43,940	5,017	9,923	15,990	13,010
1929	34,318	1,817	11,018	10,013	11,470	42,698	4,610	9,664	15,827	12,597
1930	31,656	1,429	11,606	8,533	10,088	35,362	3,236	8,433	13,150	10,543
1931	23,094	1,086	7,294	5,740	8,974	28,202	2,605	6,173	10,533	8,891
1932	17,357	633	5,292	4,250	7,182	21,774	1,698	4,774	8,360	6,942
Per cent distribution:										
1921	100.0	14	39	47		100.0	15	23	62	
1932	100.0	4	31	24	41	100.0	8	22	38	32
Tanker cargoes:										
1921	17,362	2,662	12,443	2,257		5,980	725	1,667	3,588	
1923	15,334	307	11,500	1,687	1,840	9,488	190	2,182	4,839	2,277
1924	14,657	396	11,168	1,492	1,601	11,057	203	3,363	4,721	2,770
1925	12,783	208	9,238	1,522	1,815	10,368	157	3,500	3,999	2,712
1926	12,601	565	9,085	1,316	1,635	12,289	105	3,693	5,047	3,444
1927	11,443	168	8,882	1,163	1,230	13,519	199	3,893	5,279	4,148
1928	14,407	11	10,777	1,702	1,917	14,889	54	4,294	5,157	5,384
1929	16,667	7	12,390	2,160	2,110	14,777	8	3,639	4,797	6,333
1930	15,907	-------	11,788	1,918	2,201	14,369	-------	3,245	4,060	7,064
1931	12,770	-------	8,734	1,548	2,488	11,847	-------	2,290	2,985	6,572
1932	11,353	-------	7,399	1,690	2,264	10,071	-------	1,675	2,353	6,043
Per cent distribution:										
1921	100.0	15	72	13		100.0	12	28	60	
1932	100.0	-------	65	15	20	100.0	-------	17	23	60
North Atlantic ports:										
1929	33,807	1,278	14,224	8,436	9,869	16,278	1,896	2,976	5,499	5,907
1930	31,477	1,013	13,896	7,547	9,021	13,132	1,282	2,435	4,405	5,010
1931	25,349	704	10,388	5,292	8,874	10,205	1,098	1,903	3,007	4,198
1932	20,387	444	8,151	4,305	7,487	6,946	535	1,503	1,806	3,102
South Atlantic ports:										
1929	1,630	34	755	228	613	916	45	231	262	378
1930	1,748	46	878	267	557	810	49	218	275	268
1931	1,396	24	687	246	439	593	39	202	203	148
1932	985	13	557	117	298	616	41	200	213	162
Gulf ports:										
1929	6,754	508	3,286	994	1,966	16,075	2,657	2,115	4,480	6,823
1930	4,801	369	2,076	625	1,731	14,229	1,886	1,795	3,443	7,105
1931	3,555	268	1,535	375	1,378	11,869	1,451	1,661	2,450	6,307
1932	2,918	176	1,494	256	992	10,296	1,112	1,388	2,217	5,579
Pacific ports:										
1929	3,185	4	1,324	752	1,105	13,593	20	4,060	3,738	5,775
1930	2,905	1	1,200	729	975	11,965	19	3,624	3,105	5,217
1931	2,056	(1)	824	479	753	9,881	16	2,610	2,456	4,798
1932	1,724	(1)	642	476	606	7,848	10	2,038	1,697	4,103
Great Lakes ports:										
1929	5,609	-------	3,819	1,763	27	10,613	-------	3,921	6,645	47
1930	6,632	-------	5,344	1,283	5	9,595	-------	3,606	5,982	7
1931	3,509	-------	2,595	895	19	7,502	-------	2,087	5,403	12
1932	2,696	-------	1,847	786	63	6,139	-------	1,320	4,780	39

[1] Less than 500 tons.

Source: United States Shipping Board Bureau, Department of Commerce.

No. 449.—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		
	1930	1931	1932	1930	1931	1932
Grand total	47,562,416	35,864,286	28,710,280	49,730,870	40,049,246	31,844,566
United Kingdom	1,395,915	934,003	835,630	7,561,352	5,463,620	4,289,504
England	922,556	584,601	562,415	6,655,968	4,778,987	3,856,684
Ireland	9,379	7,033	2,653	412,780	274,923	182,776
Scotland	177,747	172,314	130,988	429,696	360,691	216,096
Wales	286,233	170,055	139,574	62,908	49,019	33,948
North Atlantic and Baltic Europe	1,739,162	1,279,519	1,160,645	1,619,315	1,456,656	1,015,781
Greenland	6,500	6,212	2,900	3	400	
U. S. S. R. (Russia)	391,255	95,465	120,683	73,922	77,138	10,890
Finland	173,895	201,362	185,166	86,107	68,508	43,220
Norway	357,139	213,248	254,973	266,405	208,243	143,889
Sweden	742,752	699,871	541,974	491,616	390,043	314,030
Denmark	31,565	18,108	9,020	609,128	619,643	361,317
Danzig	18,673	27,534	14,240	35,858	13,344	2,062
Poland	15,163	8,541	15,225	5,600	7,760	39,051
Germany	6		3,013	34,977	63,577	81,892
Estonia	1,164	9,178	12,441			
Latvia				4,150		3,930
Lithuania				11,549	8,000	15,500
Havre-Hamburg range	3,098,283	2,300,068	1,896,386	8,080,577	6,812,646	5,560,660
Germany	1,313,331	975,596	800,799	3,005,661	2,304,388	1,933,287
Netherlands	637,313	470,561	493,909	2,046,428	1,790,444	1,272,434
Belgium	942,438	703,620	503,321	1,423,567	1,332,432	1,039,605
France	205,201	150,291	98,357	1,604,921	1,385,382	1,315,334
South Atlantic Europe	529,605	389,499	326,837	855,045	739,733	815,933
France	37,669	19,677	10,213	403,278	443,819	558,839
Portugal	41,042	39,305	33,169	134,175	50,317	37,836
Spain	450,165	330,239	283,118	255,725	202,917	183,763
Azores Islands	203	214	131	3,738	2,053	1,227
Canary Islands	207	64	200	51,730	37,670	34,020
Madeira	319		6	6,399	2,957	248
West Mediterranean	1,011,058	573,782	367,620	2,388,669	1,769,292	1,595,635
Spain	206,571	102,428	72,458	327,834	275,634	236,273
France	89,389	49,581	36,095	430,717	431,412	554,728
Italy	409,059	281,229	221,161	1,399,832	928,744	755,209
Yugoslavia	6,677	6,941	3,308	23,771	6,648	3,312
Malta	12			8,720	6,641	7,035
Tunisia	24,938	153	2,545	26,140	20,950	7,184
Algeria	242,902	86,590	31,687	156,883	97,228	29,546
Morocco	31,510	46,860	366	5,772	2,035	2,258
East Mediterranean and Black Sea	731,988	858,267	596,983	535,489	419,134	380,506
Rumania	5,299	9,938	23,966	10,207	3,568	5,626
U. S. S. R. (Russia)	537,255	736,725	453,988	173,602	134,201	14,896
Turkey	47,310	32,169	49,392	14,958	4,708	2,938
Cyprus	2,233	1,276	316	1		
Greece	83,759	50,447	41,108	209,150	192,466	271,308
Egypt	49,276	20,697	22,282	110,085	74,157	55,763
Palestine	166	135	247	8,025	4,502	6,263
Syria	5,966	6,581	5,335	8,188	5,532	3,152
West Indies	11,240,957	8,996,201	7,227,284	3,130,073	2,035,949	1,237,510
Cuba	3,782,737	2,994,649	2,590,867	1,725,702	1,107,026	642,839
Jamaica	349,128	258,919	106,604	145,674	101,965	56,881
Bahama Islands	17,785	13,678	6,684	34,539	22,376	16,047
Haiti	35,452	24,134	31,808	59,522	49,213	44,246
Dominican Republic	133,683	134,832	107,892	86,017	65,404	51,582
Lesser Antilles	6,918,976	5,566,855	4,382,153	1,036,121	628,513	395,476
Bermudas	3,196	3,134	1,276	42,498	61,452	30,439
Mexico	2,087,990	1,672,513	1,692,394	582,378	377,709	329,476
Central America	1,205,201	1,060,916	863,701	1,168,061	962,803	543,952
British Honduras	46,236	18,643	7,086	14,378	14,512	14,545
Guatemala	147,183	121,186	93,481	71,309	60,396	46,392
Honduras	614,411	555,899	345,499	82,172	66,504	61,255
Nicaragua	105,247	79,173	94,067	48,215	37,666	16,633
Costa Rica	90,753	95,798	126,262	27,825	28,990	21,449
Panama	53,082	60,935	75,328	19,233	4,394	2,899
Canal Zone	134,476	121,879	117,644	867,596	726,386	359,728
El Salvador	13,813	7,403	4,334	37,333	23,955	21,051

No. 449.—Cargo Tonnage of Water-Borne Imports and Exports: By Trade Regions and Individual Countries—Continued

Foreign origin or destination	Imports			Exports		
	1930	1931	1932	1930	1931	1932
North Coast South America	6,014,781	5,102,783	4,783,663	332,133	173,308	123,422
Venezuela	3,603,541	3,059,657	2,968,086	174,831	93,870	70,794
British Guiana	124,624	135,424	71,894	14,218	5,282	3,472
Surinam (Netherland Guiana)	257,893	189,482	126,869	16,907	11,234	8,895
French Guiana	22	168	4	2,590	2,551	3,044
Colombia	2,028,701	1,718,052	1,616,810	123,587	60,371	37,217
East Coast South America	1,517,039	1,418,689	906,547	2,129,137	1,466,247	1,192,364
Brazil	753,221	795,800	537,262	707,730	673,325	735,891
Uruguay	51,511	29,177	22,285	262,210	143,495	51,693
Argentina	700,235	574,682	347,000	1,159,117	628,829	404,780
South Atlantic Islands	12,072	19,030	----------	80	20,598	----------
West Coast South America	2,961,422	1,691,033	598,393	1,152,551	704,304	203,174
Colombia	23,756	34,158	25,067	24,776	16,857	6,783
Chile	2,463,742	1,441,350	366,276	921,823	566,848	132,506
Peru	306,691	86,468	82,259	184,852	94,115	54,725
Ecuador	167,233	129,057	124,791	21,100	26,484	9,160
West Africa	288,042	296,581	177,788	251,910	180,639	133,350
Morocco	20,869	13,725	11,028	52,458	21,763	11,232
Cape Verde Islands	21	30	894	5,699	2,140	2,188
Senegal	4,279	20	----------	18,037	36,746	18,385
Sierra Leone	724	2,567	2,309	9,057	6,528	5,348
Liberia	263	156	113	1,636	923	591
Ivory Coast	24,732	20,874	9,853	8,978	7,587	6,618
Gold Coast	136,448	168,162	85,363	49,108	38,118	31,129
Togo	21	----------	----------	3,400	3,009	2,435
Dahomey	2,484	3,488	2,439	6,834	4,571	3,107
Nigeria	72,102	65,593	48,716	48,201	28,845	26,317
Cameroons	1,399	397	110	7,215	4,626	2,865
Gabon	65	----------	17	6,395	2,260	3,626
Belgian Congo	23,340	21,389	16,864	13,573	9,296	6,756
Southwest Africa	1,275	80	----------	6,020	3,318	1,873
Angola	8	86	82	8,212	6,016	6,486
South and East Africa	265,897	123,985	66,435	452,851	363,092	211,463
Union of South Africa	48,959	21,858	22,484	299,942	250,285	125,580
Mozambique	209,880	97,826	40,557	99,598	76,133	58,781
British East Africa	[1] 4,803	[1] 1,425	[1] 150	[1] 35,658	[1] 20,913	[1] 9,337
French Somaliland	913	2,876	3,244	1,593	3,542	1,032
Madagascar	1,342	----------	----------	8,129	7,460	7,395
Mauritius Island	----------	----------	----------	5,552	2,957	5,378
Australia and Antarctic Region	420,828	207,254	83,745	1,391,934	838,589	[1] 1,008,257
New Guinea	17,218	5,435	2,191	3,840	2,574	1,626
New Zealand	58,463	48,527	15,149	479,899	344,907	314,113
Australia	257,491	74,049	31,073	870,587	471,986	672,528
Fiji Islands	15,337	6,034	3,007	6,898	3,807	2,415
New Caledonia	41,215	28,780	16,602	2,351	1,311	2,354
Society Islands	9,181	11,294	5,945	8,487	6,142	6,406
Solomon Islands	2,274	550	275	241	104	----------
Tasmania	277	32	----------	13,723	4,765	6,679
East Indies	887,226	846,534	821,140	361,099	232,815	163,760
Straits Settlements	462,736	435,762	320,928	78,418	40,777	22,021
French Indo-China and Siam	2,749	1,940	7,305	32,850	25,017	30,901
Sumatra	96,670	118,482	129,659	63,333	15,857	9,714
Java	277,698	243,263	275,846	168,394	142,110	87,934
Borneo	6,796	6,588	4,131	4,403	386	10,852
Celebes	29,845	27,705	66,545	8,971	8,216	2,338
East Asia	1,854,862	1,700,942	1,665,107	5,795,706	6,126,187	4,910,733
China	268,485	270,460	129,338	1,534,058	2,026,467	1,216,225
U. S. S. R. (Russia)	2,045	2,530	2,090	11,761	----------	----------
Japan	377,978	308,152	299,566	3,689,295	3,571,978	3,211,406
Philippine Islands	1,206,354	1,119,800	1,234,113	560,592	527,742	483,102
India, Persian Gulf, and Red Sea	863,478	660,312	432,330	350,568	339,559	185,114
Anglo Egyptian Sudan	5,665	3,537	3,974	2,284	363	----------
Egypt	12,994	645	382	452	242	394
Aden	3,922	----------	----------	2,503	----------	----------
Iraq	21,292	22,872	23,015	----------	206	9
Arabia	24	3,610	3,060	992	8,486	3,368
India	740,054	565,039	351,151	310,874	305,793	167,071
Ceylon	79,525	64,504	50,748	33,463	22,755	12,542
Canada	9,448,684	5,751,405	4,207,652	11,592,022	9,586,964	7,943,972
Pacific	1,143,194	711,192	537,081	1,095,457	988,957	910,809
Atlantic and Newfoundland	1,673,997	1,531,662	1,015,872	900,903	1,096,353	929,527
Great Lakes	6,631,493	3,508,551	2,654,699	9,595,662	7,501,654	6,103,636

[1] Kenya and Tanganyika Territory only.

Source: United States Shipping Board Bureau, Department of Commerce.

No. 450.—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		
	1930	1931	1932	1930	1931	1932
North Atlantic District	31,436,551	25,348,505	20,386,921	13,110,198	10,205,495	6,946,480
Maine, total	952,571	726,083	476,292	79,748	60,279	92,075
Portland	740,749	437,788	266,520	79,400	57,856	86,475
New Hampshire: Portsmouth	58,475	47,764	21,630	101	2,500	1,204
Vermont	585	372				
Massachusetts, total	3,328,741	2,781,252	2,231,152	286,598	210,152	195,508
Boston	2,385,564	2,228,622	1,779,429	275,327	207,107	194,108
Everett	88,748	20,850	11,800			
Fall River	729,875	462,696	373,050	2,023	2,215	
Rhode Island, total	685,751	671,841	419,532	586	186	3,411
Providence	684,031	671,841	419,532	357	186	3,411
Connecticut, total	47,435	65,524	40,557	10	4,368	9,361
New Haven	11,113	13,164	13,807	10	4,368	9,356
New London	17,956	19,766	13,275			5
New York, total [1]	15,406,822	12,874,085	10,890,255	7,879,572	6,000,251	4,191,736
New York [1]	15,318,601	12,707,818	10,679,148	7,862,282	5,991,868	4,125,472
New Jersey, total			12,663	21,913	28,112	4,181
Paulsboro			9,100	21,913	28,112	4,181
Pennsylvania: Philadelphia [1]	4,209,169	3,174,599	2,917,461	1,773,323	1,507,552	1,071,144
Delaware, total	416,546	342,087	256,328	952	1,247	1,134
Claymont	144,153	95,631	94,640	530	1,247	
Wilmington	272,393	246,456	161,688	422		1,134
Maryland: Baltimore	5,502,169	3,950,276	2,639,876	969,485	794,029	540,509
District of Columbia		720				
Virginia, total	828,287	713,902	481,175	2,097,910	1,596,819	836,217
Newport News	112,853	121,591	86,705	664,964	488,445	208,673
Norfolk	715,434	592,311	394,470	1,430,291	1,044,274	477,062
South Atlantic District	1,740,599	1,395,782	985,236	809,875	592,519	615,494
North Carolina: Wilmington	244,707	220,683	77,653	13,293	7,069	12,488
South Carolina, total	403,983	313,794	276,359	189,015	108,811	111,773
Charleston	403,983	313,794	276,359	180,818	104,351	109,865
Georgia, total	510,497	428,799	286,045	336,184	283,404	250,834
Brunswick	29,689	39,067	27,856	51,814	41,072	43,351
Savannah	480,808	389,732	258,189	284,370	242,332	207,483
Florida, east coast, total	581,412	432,506	345,179	271,383	193,235	240,399
Fernandina			893	65,382	39,200	41,555
Jacksonville	401,924	277,114	232,806	189,632	143,326	193,242
Miami	178,124	155,192	111,480	15,544	9,105	5,602
Gulf District	4,799,366	3,555,397	2,917,670	14,250,975	11,869,010	10,295,497
Florida, west coast, total	398,725	279,198	196,660	1,695,881	1,212,977	885,341
Boca Grande		60	11	167,992	201,443	115,518
Key West	102,959	57,062	63,681	189,680	95,652	40,034
Pensacola	117,467	72,163	27,132	234,115	198,349	215,333
Tampa	178,299	135,674	84,635	1,089,638	699,680	492,667
Alabama: Mobile	344,897	254,381	223,854	431,095	367,737	470,233
Mississippi: Gulfport	77,791	46,301	17,576	236,339	100,033	91,017
Louisiana, total	3,117,414	2,322,621	1,963,379	4,172,917	3,024,513	2,460,609
Baton Rouge	162,458	111,868	165,576	957,143	960,447	769,461
Lake Charles	25,358	12,823	2,990	94,860	96,513	112,985
New Orleans	2,929,598	2,197,930	1,794,813	3,088,445	1,924,189	1,543,798
Texas, total	860,539	652,896	516,201	7,714,743	7,163,750	6,388,297
Beaumont	7,062	4,222	4,359	467,256	424,314	352,036
Corpus Christi	4,806	4,629	2,557	297,383	265,845	209,955
Freeport				167,277	149,606	112,657
Galveston	304,029	228,054	205,796	1,317,876	1,201,691	1,374,498
Houston	339,222	253,855	145,232	4,165,243	3,606,020	2,730,917
Orange	11,064	10,235	1,735	34,378	4,597	5,982
Port Arthur	121,743	86,373	149,680	1,099,914	1,362,903	1,496,102
Sabine				8,400		
Texas City	61,813	65,528	6,842	127,056	122,383	80,169

[1] Includes commerce of New Jersey ports which enters or clears through this customhouse.

No. 450.—Cargo Tonnage of Water-Borne Imports and Exports: By States and Individual Ports—Continued

State and port	Imports			Exports		
	1930	1931	1932	1930	1931	1932
Pacific District	2,904,927	2,056,051	1,724,254	11,966,736	9,880,568	7,847,662
California, total	1,796,613	1,359,602	1,109,492	8,446,339	6,773,545	6,045,899
Eureka		1,004		23,183	9,510	5,785
Los Angeles	647,169	537,603	420,698	5,854,936	4,324,304	3,568,487
San Diego	21,780	12,158	7,771	10,793	7,000	1,366
San Francisco [2]	1,127,301	808,727	681,021	2,060,105	1,945,003	1,780,542
Port San Luis	67	110	2	491,073	476,870	623,122
Oregon, total	103,056	87,898	63,578	1,445,036	1,205,728	654,587
Astoria	234	1,009	87	80,353	86,179	34,998
Coos Bay				128,669	90,741	42,624
Portland	95,132	80,545	63,491	1,117,459	961,700	543,343
Prescott				24,956	15,506	12,636
Wauna				53,004	8,856	4,070
Westport				21,304	10,501	7,878
Washington, total	1,005,258	608,551	551,184	2,075,361	1,901,295	1,147,176
Anacortes	30,545	18,856	1,320	26,139	4,104	3,503
Bellingham	16,183	7,504	15,843	70,624	51,692	36,794
Everett	14,567	28,665	5,014	201,841	157,154	54,717
Grays Harbor	1,693	2,132	500	347,180	295,609	145,693
Longview	2,729	4,276	2,782	112,068	95,113	88,818
Olympia	1,687	1,426	106	219,052	170,931	50,828
Port Angeles	164,176	98,255	84,777	13,550	31,185	11,764
Port Townsend	40,772	11,456	81,185	11,083	11,915	2,419
Seattle	359,865	222,206	218,893	520,202	536,911	353,190
Tacoma	364,315	207,551	139,960	486,175	473,876	340,536
Vancouver		500		572		1,876
Willapa Harbor		200		13,484	22,162	28,914
Great Lakes District	6,631,493	3,508,551	2,696,199	9,597,262	7,501,654	6,139,433
New York, total	3,077,085	2,360,608	1,874,530	2,455,097	1,930,923	1,592,524
Buffalo	2,627,369	2,009,729	1,644,357	826,889	790,926	824,525
Ogdensburg	141,348	92,033	79,300	4,239	135	
Oswego	299	9,564	35,322	41,954	76,441	61,527
Rochester	112,979	131,538	67,240	860,221	697,281	415,564
Sodus Point				701,268	354,210	274,818
Tonawanda	19,020	50,325	4,928			
Waddington	129,800	56,800	28,070			
Pennsylvania: Erie	419,041	209,840	105,380	1,206,612	1,136,093	409,532
Ohio, total	871,202	116,748	96,636	4,334,554	3,227,490	3,421,454
Ashtabula	3,342	3,186	14,312	365,348	643,617	877,632
Cleveland	120,051	67,009	33,192	654,055	392,861	456,621
Conneaut		2,500		110,742	156,875	182,670
Fairport	12,281	15,646	7,880	266,632	151,543	498,116
Lorain	10,132	6,484	4,000	464,793	184,510	95,278
Sandusky	49,563	1,370	2,120	967,991	738,663	377,661
Toledo	673,707	15,450	35,132	1,486,311	950,747	933,476
Indiana	2,421	4,494	160	135,059	117,538	13,861
Illinois, total	277,861	188,241	154,054	89,890	66,816	324,385
Chicago	277,861	188,241	154,054	75,109	66,816	324,385
Michigan, total	1,656,783	428,663	344,077	678,989	456,158	294,578
Algonac		2,412	2,300	23,250	7,350	
Bay City	46,902	20,851	8,500	39,851		14,563
Detroit	1,295,597	215,630	151,500	175,229	221,548	244,238
Escanaba		8,918	4,994	215,178	116,729	10,075
Marquette				157,150	88,250	8,000
Port Huron	62,823	81,062	71,517	6,439	7	
Sault Ste. Marie	47,023	32,092	9,125	2,498	4,665	2,139
South Haven		12,978	56,710			
Wyandotte	145,570	23,200	1,815	1,050		6,300
Wisconsin, total	205,618	162,103	95,717	552,297	407,280	71,087
Ashland	142,848	87,866	7,000	109,783	118,591	9,784
Milwaukee	12,082	19,809	28,453	11,287		430
Superior	8,451	7,802	253	425,589	284,853	58,193
Minnesota, total	121,482	37,854	25,645	144,764	159,356	12,012
Duluth	121,482	37,854	25,645	141,531	156,625	11,560

[2] Includes all ports within San Francisco Bay.

Source: United States Shipping Board Bureau, Department of Commerce.

No. 451.—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	1929	1930	1931	1932					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Imports, total	50,985	47,562	35,864	28,710	20,387	985	2,918	1,724	2,696
Wheat	2,195	2,585	1,823	1,646	3	-------	-------	1	1,642
Other grains	316	348	297	58	15	-------	-------	5	37
Oil seeds	663	378	477	257	240	-------	-------	15	2
Vegetable oils	532	502	452	342	262	-------	37	43	-------
Vegetables and vegetable products, n. e. s.	884	800	634	504	397	3	18	86	-------
Animal, fish, and dairy products	440	376	318	254	181	1	12	60	-------
Bananas	1,743	1,535	1,349	1,048	504	27	451	66	-------
Coconuts and copra	327	341	272	259	48	-------	26	185	-------
Other fruits and nuts	295	302	243	202	152	-------	38	11	-------
Sugar	4,399	3,104	2,743	2,617	1,943	164	403	90	18
Molasses	1,567	1,262	936	959	693	2	265	-------	-------
Coffee	690	751	801	693	455	5	158	76	-------
Cocoa	229	170	199	217	211	-------	1	5	-------
Tobacco and manufactures	45	46	40	32	26	-------	2	3	-------
Cotton	99	61	32	45	39	-------	-------	5	-------
Cotton manufactures	82	63	50	41	28	-------	1	12	-------
Wool	114	69	69	25	23	-------	-------	2	-------
Wool manufactures	28	15	12	13	12	-------	-------	-------	-------
Silk	38	29	34	31	10	-------	-------	21	-------
Silk manufactures	16	8	11	10	9	-------	-------	1	-------
Jute	92	46	57	32	29	-------	-------	2	-------
Jute manufactures	328	343	228	192	104	7	52	28	1
Other vegetable fibers and grasses	363	286	237	255	120	25	83	20	7
Textiles and manufactures, n. e. s.	90	67	55	54	40	1	6	5	2
Hides, skins, and manufactures	248	188	129	92	88	-------	1	3	-------
Furs and fur skins	13	11	9	10	9	-------	-------	1	-------
Rubber	566	526	535	427	380	2	6	39	-------
Pulpwood and wood pulp	2,144	2,731	2,184	1,732	1,137	-------	19	88	488
Paper stock, n. e. s.	236	145	63	47	33	6	2	6	-------
Paper and manufactures	467	638	607	682	314	26	63	102	176
Clays	346	295	190	125	115	-------	2	5	3
Clay manufactures	143	88	50	44	31	-------	1	12	-------
Coal and coke	665	825	707	740	691	-------	-------	48	-------
Petroleum and products	14,833	14,424	11,717	10,370	9,077	456	769	7	60
Gypsum	930	808	649	332	312	-------	6	14	-------
Pyrites	509	403	286	233	228	4	-------	1	-------
Nonmetallic minerals, n. e. s.	3,068	3,338	898	471	216	2	8	37	207
Iron ores	3,430	3,163	1,677	690	671	-------	11	8	-------
Manganese and manganese ore	760	607	537	107	99	-------	6	1	2
Iron and steel and manufactures	706	547	453	411	259	4	77	59	12
Copper and manufactures	584	513	359	215	146	-------	-------	68	1
Miscellaneous metals and mfrs.	752	671	509	358	101	-------	166	91	-------
Logs and lumber	1,541	1,220	727	465	235	-------	15	206	9
Dyeing and tanning materials	166	169	131	107	106	-------	-------	1	-------
Potash	755	796	442	225	104	80	30	6	5
Nitrates	1,094	683	691	302	107	125	39	32	-------
Other fertilizers	262	214	154	128	38	27	15	49	-------
Pigments, chemicals, and mfrs., n. e. s.	671	584	430	333	153	18	116	45	1
All other	521	488	361	278	192	1	12	54	19
Exports, total	57,475	49,731	40,049	31,845	6,946	615	10,295	7,848	6,139
Wheat	4,509	4,544	3,911	2,736	1,575	-------	599	132	430
Rye	76	21	18	75	37	-------	-------	-------	38
Corn	689	103	76	214	67	-------	13	-------	133
Barley	955	283	304	191	6	-------	13	127	45
Oats	117	33	38	33	11	-------	16	-------	5
Rice	165	118	133	116	3	-------	92	21	-------
Other grains	108	29	84	250	35	-------	208	7	-------
Wheat flour	1,431	1,290	935	526	229	-------	64	223	11
Oil-cake and meal	548	214	402	277	135	2	130	9	2
Vegetables and vegetable products, n. e. s.	234	239	192	291	133	4	107	30	15
Animal, fish, and dairy products	774	626	507	449	281	34	69	64	1
Fruits and nuts	790	743	924	830	254	5	6	564	-------
Sugar	121	135	110	123	111	-------	10	2	-------
Naval stores	374	321	271	270	3	202	64	2	-------
Tobacco and manufactures	286	292	255	211	157	6	47	1	-------
Cotton	1,736	1,501	1,590	2,104	34	147	1,864	59	-------
Cotton manufactures	66	45	42	50	35	11	4	-------	-------
Other textiles and manufactures	111	90	56	55	33	-------	15	1	6
Hides, skins, and manufactures	21	22	26	20	12	-------	1	7	-------
Rubber and manufactures	83	77	57	35	24	-------	3	7	-------
Paper stock and manufactures	279	244	248	228	110	1	16	101	-------

No. 451.—Cargo Tonnage of Water-Borne Imports and Exports: By Major Commodities and by Coastal Districts—Continued

Commodity	1929	1930	1931	1932					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Exports—Continued.									
Coal and coke	9,992	9,685	7,536	5,580	401	18	92	2	5,068
Petroleum and products	17,944	17,046	13,833	11,422	1,425	8	4,790	5,008	190
Sulphur	852	574	389	350	2	-------	345	1	3
Cement	111	106	67	52	29	-------	20	3	-------
Nonmetallic minerals and mfrs., n. e. s.	433	333	236	130	44	5	28	36	17
Iron ores	1,255	746	464	54	1	-------	-------	-------	53
Iron, steel, and manufactures	1,972	1,284	632	491	309	10	72	44	57
Machinery	706	550	315	101	90	-------	4	6	1
Vehicles	1,046	572	326	160	154	-------	1	4	1
Copper and manufactures	387	318	235	147	101	-------	8	37	-------
Ores, metals and manufactures, n. e. s.	297	255	195	124	29	-------	67	28	-------
Logs and lumber	5,583	4,169	3,175	2,166	53	116	870	1,125	1
Phosphates	1,122	1,228	917	574	4	42	527	1	-------
Other fertilizers	268	187	213	216	208	1	3	3	2
Pigments, chemicals, and mfrs., n. e. s.	533	510	456	567	335	-------	88	99	45
All other	1,501	1,198	882	624	476	3	40	90	16

Source: United States Shipping Board Bureau, Department of Commerce.

No. 452.—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. 378. Figures cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the marked effect of the war on shipping a special average for the 6½ years July 1, 1914, to Dec. 31, 1920, is presented

[In thousands of net tons]

Yearly average or year	Entered		Cleared		Year	Entered		Cleared	
	Seaports	Other ports	Seaports	Other ports		Seaports	Other ports	Seaports	Other ports
1840 [1]	1,788	501	1,861	492	1902	24,361	6,293	24,242	6,202
1850	3,169	1,179	3,167	1,194	1903	24,698	6,396	24,823	6,493
1860	5,000	3,275	5,257	3,533	1904	24,111	5,841	24,192	5,824
1870	6,270	2,886	6,362	2,807	1905	24,793	6,190	25,020	6,138
1871–1875	8,462	2,997	8,514	2,994	1906	27,401	6,754	26,970	6,814
1876–1880	12,134	2,792	12,197	2,807	1907	29,248	7,374	28,499	7,491
1881–1885	13,604	2,931	13,781	2,917	1908	30,444	8,095	30,198	8,084
1886–1890	13,479	2,602	13,655	2,593	1909	30,243	8,815	29,604	8,592
1891–1895	16,801	2,816	16,965	2,876	1910	30,917	9,319	30,510	9,196
1896–1900	20,931	3,989	21,077	4,007	1911	32,457	10,218	32,299	10,138
1901–1905	24,551	5,939	24,633	5,918	1912	34,659	11,499	34,706	11,711
1906–1910	29,651	8,071	29,156	8,036	1913	37,973	12,666	37,566	13,586
1911–1915	36,035	11,879	35,954	12,061	1914	40,052	13,337	39,743	13,440
1915–1920 [2]	38,071	13,440	40,137	13,511	1915	35,032	11,678	35,458	11,427
1921–1925	52,959	13,334	53,578	13,075	1916	37,744	13,806	38,946	13,477
1926–1930	63,768	15,293	64,441	15,319	1917	36,521	13,951	38,094	13,983
1910–1914	35,212	11,408	34,965	11,614	1918	31,101	14,356	31,869	14,145
1914–1920 [3]	37,604	13,169	39,417	13,190	1918 (July–Dec.)	16,113	8,916	16,112	9,360
1887	13,532	2,284	13,511	2,242	1919	36,381	10,320	40,750	10,506
1888	12,956	2,437	13,252	2,417	1920	51,532	12,572	54,981	12,837
1889	13,312	2,640	13,672	2,671	1921	49,958	12,327	50,423	12,242
1890	15,366	2,741	15,429	2,720	1922	51,701	13,490	51,799	13,040
1891	15,394	2,810	15,411	2,850	1923	52,775	13,544	53,215	13,409
1892	18,180	2,833	18,258	2,903	1924	54,726	13,565	55,294	13,616
1893	16,679	2,903	16,825	2,936	1925	55,636	13,742	57,160	13,069
1894	17,025	2,965	17,306	2,966	1926	63,750	13,174	65,583	13,458
1895	16,725	2,570	17,024	2,727	1927	58,921	15,389	59,759	15,682
1896	17,453	3,536	17,819	3,596	1928	62,809	17,402	63,331	17,336
1897	20,003	3,757	19,878	3,831	1929	66,852	15,749	67,030	15,313
1898	21,700	3,879	21,892	3,856	1930	66,499	14,753	66,500	14,808
1899 [2]	21,963	4,148	22,177	4,089	1931	60,427	12,355	61,204	12,297
1900	23,534	4,629	23,618	4,663	1932	55,229	9,607	54,900	9,547
1901	24,791	4,977	24,889	4,931	1933	51,564	9,372	52,083	9,204

[1] Year ended Sept. 30.
[2] Average for period July 1, 1915, to Dec. 31, 1920.
[3] Average for period July 1, 1914, to Dec. 31, 1920.
Source: Bureau of Foreign and Domestic Commerce.

No. 453.—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 452

Customs district	1930		1931		1932		1933	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	81,253	81,307	72,782	73,501	64,837	64,446	60,936	61,287
Seaports, total	66,499	66,500	60,427	61,204	55,229	54,900	51,564	52,083
North Atlantic coast, total	32,954	30,954	30,551	29,333	28,121	26,192	26,332	24,798
Maine and New Hampshire	899	655	772	598	588	392	507	334
Massachusetts	4,088	2,907	3,986	3,128	4,169	3,295	4,058	3,157
Rhode Island	443	262	370	222	228	145	175	87
Connecticut	27	6	25	16	20	7	31	4
New York	24,545	25,213	23,026	23,635	21,190	20,922	19,531	19,584
Philadelphia	2,952	1,911	2,372	1,735	1,927	1,431	2,030	1,632
South Atlantic coast, total	5,428	6,015	4,604	4,960	4,361	4,586	3,681	4,022
Maryland	2,486	1,583	1,885	1,161	1,342	1,006	1,000	718
Virginia	713	1,956	811	1,602	996	1,174	661	1,218
North Carolina	139	88	122	95	76	72	128	38
South Carolina	337	254	263	166	282	129	262	119
Georgia	290	578	282	475	181	419	167	402
Puerto Rico	1,463	1,556	1,242	1,461	1,484	1,787	1,463	1,527
Gulf coast, total	10,932	12,019	9,144	10,244	8,136	9,143	7,124	8,294
Florida	2,716	2,550	2,343	2,069	2,181	1,998	1,794	1,524
Mobile	547	655	372	577	393	538	231	447
New Orleans	4,575	4,209	3,410	3,287	2,896	2,807	2,554	2,551
Sabine	635	708	725	890	847	885	1,010	1,124
Galveston	2,458	3,807	2,294	3,421	1,819	2,915	1,535	2,648
Mexican border: San Antonio	171	127	190	103	159	104	211	132
Pacific coast, total	17,015	17,385	15,938	16,564	14,452	14,875	14,216	14,837
Washington	7,409	6,746	7,200	6,682	5,913	5,285	5,770	5,320
Oregon	533	709	339	535	222	448	231	453
San Francisco	2,092	2,414	2,020	2,430	1,869	2,452	1,945	2,356
Los Angeles	5,012	5,718	4,204	5,061	4,224	4,828	4,214	4,974
Alaska	301	235	287	255	257	196	175	169
Hawaii	1,319	1,411	1,368	1,421	1,406	1,466	1,450	1,442
San Diego	348	152	519	181	560	199	431	123
Northern border, total	14,753	14,808	12,355	12,297	9,607	9,547	9,372	9,204
Vermont	4	4	5	5	4	4	4	4
St. Lawrence	1,088	826	667	603	455	437	479	458
Rochester	3,014	3,029	2,693	2,690	2,081	1,956	1,571	1,574
Buffalo	2,384	1,103	2,143	1,018	1,888	981	1,528	879
Ohio	4,326	5,510	3,777	4,278	3,090	2,917	3,186	3,109
Michigan	2,092	2,440	1,597	1,664	1,007	1,608	1,485	1,916
Chicago	246	493	236	512	220	445	256	459
Wisconsin	487	440	536	442	572	300	589	323
Duluth and Superior	1,112	962	703	1,086	290	899	274	482

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	20,921	18,494	5,159	2,420	3,570	2,707	--------	8,072	3,207
1911–1915	24,293	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
1926–1930	36,884	33,003	11,634	7,415	15,100	8,247	150	15,293	7,700
1930	38,382	35,594	10,932	6,932	17,015	9,674	171	14,753	7,418
1931	35,155	31,812	9,144	5,697	15,938	9,653	190	12,355	5,980
1932	32,482	28,755	8,136	5,078	14,452	8,808	159	9,607	4,869
1933	30,013	27,299	7,124	4,051	14,216	8,990	211	9,372	4,444
Clearances:									
1901–1905	17,077	15,714	4,499	4,328	3,057	2,418	--------	5,918	3,825
1906–1910	20,162	18,659	5,477	5,187	3,517	2,922	--------	8,036	5,673
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	13,511	9,637
1921–1925	30,837	24,284	12,833	9,589	9,880	8,360	28	13,075	9,236
1926–1930	36,361	28,696	12,326	10,641	15,658	13,148	95	15,319	10,504
1930	36,969	28,379	12,019	10,594	17,385	14,406	127	14,808	9,809
1931	34,293	26,182	10,244	9,138	16,564	14,382	103	12,297	8,644
1932	30,778	22,966	9,143	8,086	14,875	12,753	104	9,547	6,799
1933	28,820	22,684	8,294	7,601	14,837	12,781	132	9,204	6,629

[1] July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 454.—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 452]

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	3,395	12,913	20.7	13,542	5,251	8,291	11,560	1,982
1891–1900	31,781	22,269	4,978	17,291	22.4	18,866	3,816	15,050	14,184	4,682
1901–1905	34,040	30,490	6,802	23,688	22.3	24,551	2,606	21,945	19,205	5,346
1906–1910	34,375	37,722	8,372	29,350	22.2	29,650	1,816	27,834	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	21,999	29,512	42.7	38,071	1,899	36,173	25,128	12,943
1921–1925	41,546	66,293	29,645	36,648	44.7	52,959	1,004	51,955	41,471	11,488
1926–1930	45,846	79,062	30,314	48,748	38.3	63,768	472	63,296	48,710	15,058
1910–1914	38,038	46,619	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914–1920 [2]	42,257	50,773	20,657	30,116	40.7	37,604	1,853	35,750	24,938	12,666
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	32,119	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	41,591	66,319	27,725	38,594	41.8	52,775	958	51,817	42,219	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	69,378	27,947	41,431	40.3	55,636	731	54,905	43,450	12,186
1926	44,757	76,933	26,890	50,043	35.0	63,759	549	63,210	45,113	18,646
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	39.0	62,809	453	62,356	48,757	14,052
1929	46,687	82,602	32,241	50,361	39.0	66,853	456	66,397	51,919	14,934
1930	44,076	81,253	31,866	49,387	39.2	66,499	373	66,127	52,298	14,201
1931	36,373	72,782	26,907	45,875	37.0	60,427	241	60,186	47,265	13,162
1932	30,318	64,837	24,278	40,559	37.4	55,229	236	54,994	42,701	12,528
1933	28,019	60,936	22,488	38,448	36.9	51,564	180	51,384	40,410	11,154

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	2,933	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	6,929	4,950
1915–1920 [1]	14,508	11,375	23,563	13,753	38.1	13,440	5,646	7,490	5,950
1921–1925	22,526	18,404	30,433	23,068	42.5	13,334	6,455	7,119	6,215
1926–1930	23,182	18,809	40,586	29,901	36.4	15,293	7,700	7,132	8,162
1910–1914	4,753	3,787	30,459	24,309	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
1919	16,224	12,294	20,157	11,747	44.6	10,321	3,763	5,709	4,612
1920	26,225	19,822	25,306	15,565	50.9	12,573	5,852	5,894	6,679
1921	24,402	18,620	25,556	17,446	48.8	12,327	5,672	6,788	5,544
1922	23,633	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	22,991	18,404	39,818	30,353	36.6	17,402	8,571	8,294	9,108
1929	25,208	20,541	41,645	31,378	37.7	15,749	7,558	7,034	8,716
1930	24,620	20,330	41,879	31,968	37.0	14,753	7,418	7,245	7,508
1931	21,499	18,123	38,929	29,142	35.6	12,355	5,980	5,408	6,946
1932	20,643	17,396	34,587	25,306	37.4	9,607	4,869	3,635	5,973
1933	19,051	16,123	32,513	24,287	36.9	9,372	4,444	3,437	5,934

[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. 455.—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 452]

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	16,473	3,450	13,023	20.9	13,719	5,363	8,356	12,795	924
1891–1900	31,902	22,463	5,038	17,425	22.4	19,021	3,818	15,203	17,514	1,507
1901–1905	33,863	30,551	6,812	23,739	22.3	24,633	2,621	22,012	22,460	2,173
1906–1910	33,897	37,192	8,282	28,910	22.3	29,156	1,850	27,306	26,768	2,388
1911–1915	38,790	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	66,653	29,554	37,099	44.3	53,578	984	52,594	42,233	11,345
1926–1930	44,082	79,760	30,709	49,051	38.5	64,441	467	63,973	52,581	11,860
1910–1914	37,883	46,579	11,590	34,989	24.9	34,965	1,620	33,345	32,024	2,941
1914–1920 [2]	42,141	52,607	21,529	31,078	40.9	39,417	2,010	37,407	34,394	5,023
1919	39,974	51,257	24,992	26,265	48.8	40,751	1,819	38,932	34,689	6,062
1920	46,447	67,817	34,053	33,764	50.2	54,980	2,009	52,971	45,687	9,293
1921	39,553	62,665	30,181	32,484	48.2	50,423	1,218	49,205	39,985	10,438
1922	39,314	64,839	31,759	33,080	49.0	51,799	1,109	50,690	39,244	12,555
1923	40,256	66,624	27,932	38,692	41.9	53,215	1,035	52,180	42,398	10,817
1924	41,100	68,910	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	45,750	11,410
1926	43,951	79,041	28,532	50,509	36.1	65,583	566	65,017	54,237	11,346
1927	43,619	75,440	29,793	45,647	39.5	59,759	526	59,233	49,419	10,340
1928	46,201	80,667	31,734	48,933	39.3	63,331	436	62,895	51,609	11,722
1929	44,837	82,343	31,927	50,416	38.8	67,030	422	66,608	54,132	12,898
1930	41,801	81,307	31,560	49,748	38.8	66,500	386	66,114	53,507	12,993
1931	35,368	73,501	26,854	46,647	36.5	61,204	238	60,966	49,805	11,399
1932	29,648	64,446	23,865	40,582	37.0	54,900	233	54,667	43,909	10,991
1933	27,157	61,287	22,434	38,853	36.6	52,083	180	51,903	43,197	8,886

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	1,778	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	4,198	3,838
1911–1915	5,361	4,522	30,594	28,305	14.9	12,060	8,567	7,161	4,909
1915–1920 [1]	15,455	11,505	24,681	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
1926–1930	23,338	17,071	41,102	35,510	36.2	15,319	10,504	7,371	7,948
1910–1914	4,778	4,109	30,187	27,915	13.7	11,614	8,380	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
1919	19,133	14,539	21,617	20,150	47.0	10,506	7,616	5,858	4,648
1920	27,875	20,188	27,106	25,499	50.7	12,837	9,365	6,179	6,658
1921	23,432	15,215	26,991	24,770	46.5	12,242	8,692	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	6,782
1924	22,896	15,397	32,397	32,398	41.4	13,616	9,933	7,195	6,421
1925	21,394	14,948	35,766	30,802	37.4	13,068	8,805	6,414	6,654
1926	22,234	15,838	43,349	38,399	33.9	13,458	9,241	6,298	7,160
1927	22,078	16,524	37,681	32,895	36.9	15,682	10,656	7,716	7,966
1928	23,180	16,969	40,151	34,640	36.6	17,336	11,898	8,554	8,782
1929	25,045	18,337	41,985	35,795	37.4	15,313	10,917	6,883	8,431
1930	24,154	17,687	42,346	35,820	36.3	14,808	9,809	7,406	7,402
1931	21,417	16,732	39,787	33,073	35.0	12,297	8,644	5,437	6,860
1932	20,204	16,072	34,695	27,838	36.8	9,547	6,799	3,660	5,886
1933	19,093	15,824	32,990	27,374	36.7	9,204	6,629	3,340	5,864

[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. 456.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS 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. 378

Country	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1931	1932	1933
Total by sea:								
Entered	26,362	35,212	37,604	52,959	63,768	60,427	55,229	51,564
Cleared	26,206	34,965	39,417	53,578	64,441	61,204	54,900	52,083
Belgium:								
Entered	905	955	392	1,231	1,560	1,221	1,116	1,078
Cleared	901	1,039	452	1,190	1,280	1,126	970	980
Denmark:								
Entered	184	297	373	372	532	550	445	425
Cleared	352	305	498	450	686	588	389	393
France:								
Entered	611	1,047	2,251	1,953	2,321	2,114	1,890	2,090
Cleared	1,062	1,453	3,345	2,250	2,475	2,340	2,481	2,714
Germany:								
Entered	2,384	3,113	290	2,998	3,813	4,235	4,349	3,779
Cleared	2,773	3,474	298	3,165	3,714	4,004	3,546	3,241
Italy:								
Entered	1,097	1,305	2,171	1,707	2,101	1,892	1,918	2,032
Cleared	1,003	1,662	2,489	1,986	2,023	1,768	1,674	2,006
Netherlands:								
Entered	846	1,169	1,201	1,654	2,081	1,515	1,298	1,382
Cleared	1,206	1,521	1,459	1,464	1,499	1,176	1,088	1,015
Norway:								
Entered	----------	193	521	384	360	296	384	441
Cleared	----------	159	830	412	361	289	256	237
Spain:								
Entered	483	724	838	608	850	730	566	656
Cleared	265	337	490	463	612	531	509	562
Sweden:								
Entered	----------	68	240	504	681	747	640	698
Cleared	----------	66	440	353	498	462	384	339
United Kingdom:								
Entered	7,440	7,238	8,765	9,378	10,614	7,569	6,022	5,478
Cleared	7,153	7,162	8,164	8,647	10,577	7,643	6,179	5,626
Canada:								
Atlantic coast—								
Entered	1,355	1,479	1,092	1,201	1,607	2,385	2,192	2,159
Cleared	1,454	1,594	1,007	1,331	1,709	2,304	2,133	2,063
British Columbia, Yukon—								
Entered	1,508	2,539	3,117	4,571	6,619	7,719	6,574	6,406
Cleared	1,509	2,589	3,094	4,573	6,556	7,735	6,579	6,779
Central America:								
Entered	799	1,879	1,535	1,734	2,391	2,417	2,268	2,223
Cleared	830	2,121	1,610	1,640	2,692	3,048	2,545	2,629
Mexico:								
Entered	856	1,789	3,788	8,160	2,840	1,623	1,693	1,363
Cleared	745	1,847	3,727	8,391	2,892	1,821	1,806	1,687
British West Indies and British Honduras:								
Entered	1,001	1,038	564	1,351	1,975	3,385	3,565	2,522
Cleared	982	1,181	642	1,435	2,216	3,587	3,743	2,992
Cuba:								
Entered	2,018	3,030	3,450	4,769	5,875	5,988	6,186	5,576
Cleared	1,766	2,449	3,560	4,659	5,832	5,823	6,044	5,428
Dominican Republic:								
Entered	111	179	345	380	713	614	810	765
Cleared	94	200	404	449	920	815	1,045	976
Haiti:								
Entered	106	123	108	105	220	190	157	191
Cleared	81	124	186	230	204	200	194	170
Argentina:								
Entered	207	792	633	1,006	966	540	411	370
Cleared	328	619	762	707	997	592	319	188
Brazil:								
Entered	587	1,131	550	552	918	881	744	756
Cleared	253	558	841	913	1,252	925	855	866
Chile:								
Entered	206	462	853	975	1,387	796	263	331
Cleared	138	327	797	793	1,058	642	221	430
Colombia:								
Entered	195	199	231	144	958	1,029	1,144	1,174
Cleared	172	196	213	226	966	919	1,054	967
British East Indies:								
Entered	238	329	347	576	833	834	668	355
Cleared	107	131	204	330	428	460	298	57

No. 456.—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	1926–1930, average	1931	1932	1933
China, Hong Kong, and Kwantung:								
Entered	346	442	519	959	1,044	1,124	784	772
Cleared	389	391	479	963	894	897	504	520
Japan:								
Entered	441	646	733	1,607	2,320	1,912	1,753	1,941
Cleared	351	542	796	2,106	3,284	3,650	3,458	3,440
Philippine Islands:								
Entered	63	85	132	408	611	801	1,032	1,080
Cleared	93	144	124	359	503	398	365	484
Oceania:								
Entered	256	238	379	509	931	754	743	768
Cleared	413	534	567	946	1,306	803	895	795
All other countries:								
Entered	2,117	2,725	2,094	3,165	6,649	6,566	5,614	4,753
Cleared	1,788	2,240	1,938	3,149	6,913	6,658	5,366	4,499

No. 457.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: By Nationality of Vessel

Note.—In [illegible]. Only traffic by sea and to and from foreign countries is included. The large t[illegible] Great Lakes and the St. Lawrence is handle[illegible] of the [illegible] British (Canadian) flag. See Tables 454 and [illegible] for northern border represent trade with Quebec and Ontario. For periods [illegible]

	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1931	1932	1933
Total by sea:								
Entered	26,362	35,212	37,604	52,959	63,768	60,427	55,229	51,564
Cleared	26,206	34,965	39,417	53,578	64,441	61,204	54,900	52,083
American:								
Entered	4,044	4,753	13,327	22,526	23,182	21,499	20,643	19,051
Cleared	4,023	4,778	14,171	22,556	23,338	21,417	20,204	19,093
Total foreign:								
Entered	22,318	30,459	24,276	30,433	40,586	38,929	34,586	32,513
Cleared	22,182	30,186	25,245	31,022	41,102	39,787	34,695	32,990
Belgian:								
Entered	262	412	269	332	374	329	229	235
Cleared	269	404	283	343	370	320	241	228
British:								
Entered	13,564	17,901	14,168	16,807	20,189	17,618	15,565	13,714
Cleared	13,422	17,814	14,755	17,064	20,291	17,974	15,485	14,012
Danish:								
Entered	398	472	774	929	1,136	1,030	815	827
Cleared	398	450	795	928	1,168	1,029	831	852
Dutch:								
Entered	667	1,004	1,007	1,300	1,798	1,974	1,502	1,307
Cleared	661	1,007	1,055	1,292	1,809	1,986	1,498	1,291
French:								
Entered	636	997	876	1,492	1,870	1,752	1,556	1,601
Cleared	642	990	919	1,518	1,905	1,728	1,623	1,589
German:								
Entered	3,160	4,362	107	847	2,654	3,660	3,486	3,333
Cleared	3,171	4,300	79	870	2,736	3,702	3,484	3,354
Italian:								
Entered	542	821	1,211	1,490	2,175	1,808	1,824	2,094
Cleared	538	850	1,366	1,569	2,150	1,822	1,725	2,089
Japanese:								
Entered	127	353	1,099	2,059	2,618	2,526	2,287	2,372
Cleared	107	244	1,046	2,235	2,741	2,734	2,442	2,468
Norwegian:								
Entered	1,941	2,679	2,744	2,817	4,026	3,999	3,572	3,729
Cleared	1,946	2,684	2,822	2,784	4,136	4,180	3,637	3,822
Spanish:								
Entered	424	413	606	480	571	497	434	421
Cleared	420	398	637	487	586	492	422	431
Swedish:								
Entered	62	70	353	564	985	,1050	993	959
Cleared	65	70	367	566	1,005	,1080	987	927
All other foreign:								
Entered	535	975	1,062	1,317	2,190	2,686	2,323	1,921
Cleared	542	977	1,122	1,366	2,206	2,740	2,320	1,927

Source of Tables 456 and 457: Bureau of Foreign and Domestic Commerce.

No. 458.—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 cars, aircraft, etc. [1]	Total	Total by water	In American vessels	In foreign vessels	By cars, aircraft, etc. [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	152	100	52	([3])	178	178	140	39	([3])	65.5	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	646	130	517	21	12.9	20.1
1886–1890	738	714	76	638	25	717	685	122	563	33	10.6	17.8
1891–1895	892	851	73	778	42	785	748	125	623	38	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
1915–1920 [4]	6,515	5,712	1,556	4,156	803	3,358	2,961	978	1,984	397	27.2	33.0
1921–1925	4,397	3,788	1,405	2,383	609	3,450	3,013	978	2,035	437	37.1	32.5
1926–1930	4,777	3,983	1,382	2,600	795	4,033	3,509	1,129	2,380	524	34.7	32.2
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	1,261	2,020	551	3,113	2,704	921	1,783	409	38.4	34.1
1923	4,168	3,539	1,358	2,181	629	3,792	3,312	1,040	2,272	481	38.4	31.4
1924	4,591	4,010	1,532	2,478	[1] 581	3,610	3,145	1,012	2,133	466	38.2	32.1
1925	4,910	4,224	1,473	2,751	686	4,227	3,716	1,151	2,565	510	34.9	31.0
1926	4,809	4,050	1,401	2,649	759	4,431	3,891	1,195	2,696	540	34.6	30.7
1927	4,865	4,097	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	4,091	3,550	1,133	2,418	541	34.4	31.9
1929	5,241	4,322	1,487	2,835	920	4,399	3,807	1,205	2,602	592	34.4	31.6
1930	3,843	3,168	1,117	2,051	675	3,061	2,635	898	1,737	426	35.3	34.1
1931	2,424	2,043	732	1,311	382	2,091	1,829	619	1,210	262	35.8	33.8
1932	1,611	1,385	476	909	226	1,323	1,164	431	734	158	34.4	37.0
1933	1,675	1,471	515	956	204	1,450	1,287	461	826	162	35.0	35.8

TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels	Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels
1830 [2]	145	130	15	89.7	1921–1925	6,801	2,383	4,418	35.0
1840 [2]	239	198	41	82.3	1926–1930	7,492	2,511	4,980	33.5
1850 [2]	330	239	91	72.5					
1860 [2]	762	507	255	66.5	1921	6,075	2,167	3,908	35.7
1870 [2]	913	323	590	35.6	1922	5,985	2,183	3,803	36.5
					1923	6,850	2,398	4,453	35.0
1871–1875 [2]	1,162	326	835	30.6	1924	7,155	2,544	4,611	35.7
1876–1880 [2]	1,206	289	917	23.9	1925	7,940	2,624	5,316	33.0
1881–1885	1,419	229	1,190	16.2					
1886–1890	1,398	198	1,200	14.1	1926	7,941	2,596	5,345	34.0
1891–1895	1,598	198	1,400	12.4	1927	7,759	2,649	5,110	34.1
					1928	7,827	2,605	5,222	33.3
1896–1900	1,784	179	1,605	10.0	1929	8,129	2,692	5,437	33.1
1901–1905	2,225	220	2,005	9.9	1930	5,803	2,015	3,788	34.7
1906–1910	2,838	287	2,552	10.1					
1911–1915	3,639	385	3,254	10.6	1931	3,871	1,351	2,520	34.9
1915–1920 [4]	8,673	2,534	6,140	29.2	1932	2,549	907	1,643	35.6
					1933	2,758	976	1,782	35.4

[1] Exports include parcel post beginning 1924; imports, beginning 1921.
[2] Includes gold and silver coin and bullion to 1879, 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.