16.—POSTAL SERVICE

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

No. 377.—UNITED STATES POSTAL SERVICE, 1800 TO 1935

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	66,260	−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
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	12,256
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	26,687
1928	49,944	487,512	693,634	725,700	−32,121	5.78	1,630,157	71,520	16,676	26,837
1929	49,482	491,179	696,948	782,344	−85,461	5.73	1,658,443	76,113	16,917	27,952
1930	49,063	503,918	705,484	803,667	−98,216	5.75	1,714,576	72,708	16,269	27,888
1931	48,733	528,570	656,463	802,485	−146,066	5.29	1,559,549	62,228	15,559	26,544
1932	48,159	537,544	588,172	793,684	−205,551	4.71	1,536,889	48,849	14,651	24,307
1933	47,641	536,679	587,631	699,887	−112,375	4.67	1,647,421	35,116	11,917	19,868
1934	46,506	536,751	586,733	630,733	−44,034	4.64	1,776,740	30,041	12,526	20,626
1935	45,686	514,128	630,795	696,503	−65,808	4.94	1,820,957	30,429	13,610	22,332

[1] Not counting rural free delivery routes.
[2] Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.
[3] International includes foreign countries on domestic basis. For explanation see headnote table 379.
[4] Data are for continental United States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.
[5] Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.
[6] From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.
[7] From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.
[8] Gross revenues of department for 1918 and 1919 include $44,500,000 and $71,292,000, respectively, war-tax revenue accruing from increased postage.

Source: Annual Reports of the Postmaster General.

No. 378.—REVENUES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

All figures in thousands of dollars]

Item	1910	1915	1920	1925	1930	1933	1934	1935
Total	224,129	287,248	437,150	599,591	705,484	587,631	586,733	630,795
Ordinary postal revenue	219,339	279,460	424,406	585,333	686,426	564,325	559,920	598,358
Stamps, postal cards, etc.[1]	202,065	256,037	379,587	507,572	574,851	456,407	449,773	473,407
Second-class postage paid in money (pound rates)[1]	8,174	10,468	25,100	29,619	28,584	18,154	19,357	18,431
Other postage paid in money under permit	4,418	7,527	12,960	39,301	73,545	81,485	82,210	96,206
Box rents	4,139	4,981	6,145	7,817	8,539	6,860	6,515	6,596
Miscellaneous	542	448	614	1,024	907	1,419	2,065	3,718
Money-order revenues	4,790	7,175	10,314	12,909	17,496	16,616	18,710	20,424
Revenue from postal savings		612	2,430	1,349	1,562	6,690	8,103	12,013

[1] For volume of this item, see table 383.

No. 379.—POSTAL MONEY-ORDER BUSINESS: YEARS ENDED JUNE 30

NOTE.—For revenues from money orders, see table 378. For value of orders issued for other years, see table 377. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic"

Item	1910	1915	1920	1925	1930	1933	1934	1935
Number of money-order offices	51,791	55,670	54,395	54,269	54,161	56,106	53,803	53,106
DOMESTIC[1]								
Orders issued:								
Number (1,000)	76,918	105,073	148,491	197,054	202,273	170,932	198,081	212,737
Amount (1,000 dollars)	547,994	656,139	1,332,700	1,532,567	1,714,576	1,647,421	1,776,740	1,820,957
Orders paid:								
Number (1,000)	76,496	103,884	147,520	196,038	201,453	171,552	196,624	212,651
Amount (1,000 dollars)	545,632	652,786	1,333,046	1,531,597	1,713,681	1,642,617	1,776,361	1,821,152
Excess of issues:[2]								
Number (1,000)	422	1,190	971	1,015	820	−620	1,457	85
Amount (1,000 dollars)	2,362	1,353	−346	970	895	−4,804	378	−194
INTERNATIONAL[3 4]								
Orders issued:								
Number (1,000)	4,500	3,055	1,852	2,966	3,978	2,640	2,360	2,456
Amount (1,000 dollars)	99,743	60,772	32,960	52,650	72,708	35,116	30,041	30,429
Orders paid:								
Number (1,000)	1,956	2,217	1,508	1,765	2,161	949	1,082	1,288
Amount (1,000 dollars)	27,244	24,743	25,362	19,765	25,825	11,012	13,145	13,641
Excess of issues:								
Number (1,000)	2,544	837	343	1,201	1,817	1,691	1,278	1,167
Amount (1,000 dollars)	72,499	36,029	7,598	32,886	46,883	24,104	16,895	16,788
FOREIGN "DOMESTIC BASIS"[5]								
Paid in foreign countries:								
Number (1,000)	667	655	601	938	1,034	548	576	614
Amount (1,000 dollars)	10,184	9,110	9,568	16,920	20,921	7,541	7,792	8,180
Paid in the United States:								
Number (1,000)	1,566	1,936	1,246	1,498	1,751	678	771	939
Amount (1,000 dollars)	17,766	18,386	17,916	15,118	17,935	6,101	6,805	8,342

[1] Domestic money orders first issued Nov. 1, 1864, under act of Congress approved May 17, 1864.
[2] Minus sign indicates excess of payments.
[3] Includes foreign countries on "domestic basis."
[4] International money orders first issued Sept. 1, 1869, under Postal Convention of Oct. 12, 1867.
[5] Included under "International" above.

Source of tables 378 and 379: Annual Reports of the Postmaster General.

No. 380.—EXPENDITURES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

NOTE.—**All figures in thousands of dollars.** For total expenditures see table 377. Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

Item	1910	1915	1920	1925	1930	1933	1934	1935
Service in post offices (total)	107,771	139,937	234,102	338,046	429,571	357,949	321,120	378,407
Salaries of postmasters	27,514	30,400	40,108	47,562	52,850	44,350	39,621	44,588
Salaries of clerks, etc	38,045	53,317	102,319	153,336	201,972	168,855	151,622	173,510
City delivery service	31,805	42,668	63,626	95,161	127,890	108,835	98,266	113,153
All other expenditures	10,405	13,552	28,049	41,987	46,860	35,909	31,611	47,156
Railway Mail Service	19,389	28,408	38,711	52,906	61,888	52,097	47,451	52,251
Rural Delivery Service	37,074	49,806	75,794	93,163	106,347	93,802	81,674	90,519
Transportation of domestic mail	61,940	76,914	99,520	142,141	176,984	156,386	140,159	134,676
By railroads	49,405	59,576	70,714	99,720	117,265	95,435	92,518	93,328
By other means	12,535	17,338	28,805	42,421	59,720	60,951	47,641	41,348
Transportation foreign mail	3,204	3,273	5,912	9,175	24,449	35,650	36,966	36,806
Payment account of invalid money orders	600	208	284	138	131	201	252	232
Post Office Department [1]	----------	----------	----------	3,712	4,298	3,802	3,109	3,612

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

No. 381.—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 60-foot car. Annual rate of expenditure (regular authorizations) represents estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. "Annual cost" includes emergency and side and transfer service. Average rates are based on "regular authorizations"

Class of service and item	Year ended June 30, or as of June 30 of year specified						
	1910	1915	1920	1925	1930	1934	1935
Steam railway service:							
Length of routes (miles)	220,730	233,676	232,358	230,470	220,416	201,260	199,016
Annual travel (thousand miles)—							
Regular space units	[1]426,923	[1]499,011	561,827	579,256	564,801	453,847	455,214
Prorated to 60-foot car basis	----------	----------	218,349	226,395	228,478	190,929	192,130
Annual expenditure—							
Regular authorizations	49,302	58,149	83,731	88,991	103,970	86,303	86,806
Annual cost	----------	----------	89,661	107,491	125,243	100,928	99,676
Average rate of cost—							
Per mile of length (dollars)	223.36	248.84	360.35	386.12	471.70	428.81	436.17
Per unit mile traveled (cents)	[1]11.55	[1]11.65	14.90	15.36	18.41	19.02	19.06
Per 60-foot car mile (cents)	----------	----------	38.34	39.31	45.70	45.50	45.40
Railway mail service—							
Number of employees	16,795	19,599	20,407	20,693	21,185	19,285	19,138
Expenditure for salary	19,047	21,205	35,644	48,913	56,577	44,319	49,239
Electric railway service:							
Number of routes	539	569	543	288	224	153	135
Length of routes (miles)	7,198	8,183	8,043	8,042	7,012	4,824	4,459
Annual travel of space units (thousand miles)	[1]11,630	[1]13,948	[1]11,752	10,487	9,829	6,387	6,047
Annual rate of expenditure	674	819	471	566	571	364	349
Average cost per unit mile traveled (cents)	[1]5.79	[1]5.87	[1]4.01	5.39	5.81	5.70	5.77
Power boat service:							
Number of routes	217	260	266	284	265	219	196
Length of routes (miles)	27,256	32,402	34,642	49,791	40,130	38,977	21,043
Annual travel (thousand miles)	4,826	5,685	3,992	5,298	4,806	3,864	2,860
Annual rate of expenditure	705	990	[2]773	1,492	1,401	1,220	1,085
Average cost per mile traveled (cents)	14.61	17.42	19.36	28.16	29.15	31.58	37.95
Air mail service:							
Length of routes (miles)	----------	[3]218	3,094	2,665	14,907	[4]28,820	28,884
Mileage scheduled (thousands)	----------	[3]18	654	2,160	16,228	31,224	33,770
Miles traveled with mail (thousands)	----------	[3]16	549	2,077	14,939	29,111	31,144
Mail carried [5] (thousand pounds)	----------	[3]18	527	233	7,720	6,477	10,775
Cost of service	----------	[3]14	1,264	2,744	14,618	[6]12,130	[6]8,804

[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] 1918 data.
[4] Advertised mileage, new system.
[5] Beginning 1925, only specially paid air mail was carried.
[6] Subject to revision.

Source of tables 380 and 381: Annual Reports of the Postmaster General.

No. 382.—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 1935 being as follows: Number of routes, 54; length, 8,227 miles; annual travel, 243,698 miles; annual rate of expenditure, $146,191

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					9,863	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
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	404,788	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
1934	3,111	48,275	96,947	37,108	1,359,895	412,721	92,285	12,237	12,942
1935	3,111	49,084	111,648	34,848	1,355,078	411,361	92,061	11,853	11,357

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

No. 383.—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 378

	1910	1915	1920	1925	1930	1934	1935
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	9,067	11,226	13,213	17,387	16,269	12,526	13,610
Stamped envelopes and wrappers issued (millions)	1,507	1,794	2,350	2,997	3,164	1,581	1,618
Postal cards issued (millions)	726	976	986	1,497	1,643	1,590	1,754
Pieces of mail carried [1] (millions)	14,850			25,835	27,888	20,626	22,332
Second-class matter carried:							
Free in county (1,000 pounds)	55,639	62,142	61,528	69,195	75,326	54,523	57,560
Paid at pound rates (1,000 pounds)	817,773	1,047,144	1,307,227	1,348,297	1,554,415	968,153	1,063,389
Foreign mails dispatched by sea:							
Letters, post cards (1,000 pounds)	[2] 3,142	3,401	4,608	5,640	7,103	4,432	4,602
Other articles (1,000 pounds)	[2] 17,832	22,848	66,725	66,229	83,377	47,936	53,056
Mail registered:							
Domestic, paid (1,000 pieces)	33,682	27,688	56,951	70,512	76,489	41,433	41,318
International, paid (1,000 pieces)	4,782	4,325	11,300	10,993	7,869	4,007	3,444
Official, free (1,000 pieces)	3,589	5,297	8,663	8,414	8,680	9,934	10,582
Registry fees (1,000 dollars)	3,594	3,201	6,825	8,850	12,807	[3] 7,186	[3] 7,100
Mail insured:							
Domestic, parcel post (1,000 pieces)		18,012	95,385	152,078	126,421	67,561	71,960
International (1,000 pieces)				603	649	297	311
Total fees paid (1,000 dollars)		941	5,416	8,061	8,775	4,970	5,249
Mail sent C. O. D.:							
Total pieces sent (1,000)		4,721	20,098	52,362	46,249	30,650	31,118
Total fees (1,000 dollars)		472	2,070	5,562	5,825	4,222	4,298

[1] See note 4, table 377.
[2] Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries.
[3] Not including surcharges (effective July 1, 1932) amounting to $2,860,000 in 1934, and $3,815,000 in 1935.

Source of tables 382 and 383: Annual Reports of the Postmaster General.

No. 384.—POSTAL SERVICE: By States and Outlying Areas

Division and State	Number of post offices, June 30, 1935	Mileage of rural free-delivery routes, June 30, 1935	Gross postal receipts [1]					
			1920	1925	1930	1933	1934	1935
			In thousands of dollars for years ended June 30					
Grand total	45,686	1,355,078	424,525	584,755	686,351	563,356	558,327	595,661
United States proper	45,295	1,355,023	423,463	583,427	684,610	561,548	556,096	591,800
New England	2,486	42,635	32,276	43,498	51,375	46,362	44,868	46,111
Maine	754	12,036	2,866	3,946	3,912	3,532	3,534	3,588
New Hampshire	362	6,199	1,504	2,035	2,286	2,144	2,157	2,216
Vermont	364	8,024	1,220	1,540	1,703	1,586	1,618	1,659
Massachusetts	611	8,088	18,913	25,064	29,627	26,527	25,247	25,890
Rhode Island	85	1,263	2,029	2,702	3,297	3,047	2,929	3,018
Connecticut	310	7,025	5,744	8,211	10,550	9,526	9,383	9,740
Middle Atlantic	5,307	113,383	117,897	161,532	194,927	163,728	157,983	164,613
New York	2,061	48,637	74,772	102,514	125,072	103,765	99,239	102,748
New Jersey	633	8,579	9,512	14,655	19,768	18,395	17,723	18,553
Pennsylvania	2,613	56,167	33,613	44,363	50,087	41,568	41,021	43,312
East North Central	5,971	301,308	107,343	151,924	175,748	131,549	133,395	143,663
Ohio	1,421	68,689	24,800	35,417	42,088	31,446	31,649	34,046
Indiana	958	58,462	9,226	13,774	15,613	12,491	12,569	13,388
Illinois	1,523	71,985	51,357	70,753	78,757	56,962	58,015	62,916
Michigan	1,085	52,583	13,199	18,978	24,133	18,196	18,778	20,048
Wisconsin	984	49,589	8,761	13,002	15,157	12,454	12,384	13,265
West North Central	6,902	328,851	53,971	73,365	80,641	63,938	63,488	66,926
Minnesota	1,128	53,606	10,847	15,836	17,614	14,254	14,212	15,089
Iowa	1,172	63,616	9,392	11,720	13,504	10,204	10,320	10,932
Missouri	1,624	60,252	18,624	27,230	28,988	22,408	21,789	22,748
North Dakota	654	29,157	2,062	2,360	2,721	2,351	2,475	2,562
South Dakota	598	25,099	2,066	2,539	2,750	2,214	2,253	2,433
Nebraska	747	37,142	5,504	6,663	7,279	6,049	5,984	6,217
Kansas	979	59,979	5,476	7,017	7,785	6,458	6,453	6,945
South Atlantic	7,890	188,382	34,415	46,072	52,293	46,471	48,836	51,213
Delaware	76	3,037	811	999	1,233	1,202	1,153	1,251
Maryland	625	11,314	5,292	7,101	8,519	7,400	7,204	7,706
District of Columbia	1	203	3,536	4,771	6,047	6,249	5,632	6,307
Virginia	1,968	29,343	5,621	7,236	7,985	7,276	7,211	7,688
West Virginia	1,681	11,402	3,154	4,395	4,611	3,878	3,999	4,274
North Carolina	1,279	40,781	4,138	5,814	6,830	6,252	6,670	7,475
South Carolina	545	25,495	2,289	2,530	2,174	1,763	1,862	2,037
Georgia	968	53,439	6,395	7,734	9,220	7,405	7,812	8,452
Florida	747	13,368	3,179	5,492	5,674	5,046	5,293	6,023
East South Central	5,110	141,650	15,546	20,576	23,736	18,842	19,601	21,330
Kentucky	2,426	25,996	4,392	6,283	6,827	5,720	5,766	6,161
Tennessee	916	44,008	5,289	7,107	8,546	6,879	7,056	7,676
Alabama	978	37,641	3,418	4,385	5,108	3,799	4,127	4,524
Mississippi	790	34,005	2,447	2,801	3,255	2,444	2,652	2,969
West South Central	5,122	156,453	24,678	30,646	37,240	30,232	31,106	33,206
Arkansas	1,202	25,272	2,928	3,585	3,828	2,849	3,017	3,265
Louisiana	824	14,344	4,015	5,055	5,486	4,580	4,710	5,017
Oklahoma	954	43,163	4,730	5,889	7,272	5,647	5,835	6,217
Texas	2,142	73,674	13,005	16,117	20,654	17,156	17,544	18,707
Mountain	3,477	36,285	12,178	15,004	17,276	14,409	14,479	15,914
Montana	717	6,669	2,016	2,180	2,446	2,125	2,191	2,422
Idaho	459	6,768	1,397	1,324	1,513	1,239	1,341	1,488
Wyoming	351	1,210	712	953	993	884	884	992
Colorado	671	15,249	4,398	5,878	6,819	5,539	5,433	5,929
New Mexico	519	2,805	679	900	1,089	1,005	1,037	1,162
Arizona	275	1,550	943	1,137	1,532	1,298	1,295	1,456
Utah	329	1,874	1,647	2,179	2,347	1,832	1,812	1,928
Nevada	156	160	386	453	537	487	486	537
Pacific	3,030	46,076	25,158	40,812	51,378	46,019	44,344	48,823
Washington	794	15,093	5,636	7,494	8,719	7,213	7,344	8,026
Oregon	723	10,118	3,324	4,809	5,436	4,584	4,570	5,004
California	1,513	20,865	16,198	28,509	37,223	34,222	32,430	35,793
Outlying offices	391	55	[2] 1,062	1,328	1,740	1,808	2,232	3,860
Alaska	194	----------	82	71	104	94	90	98
Guam	1	----------	1	2	3	2	2	3
Hawaii	94	55	352	611	774	838	775	834
Puerto Rico	95	----------	406	522	527	558	539	568
Samoa (Tutuila)	2	----------	2	2	(3)	(3)	(3)	(3)
Virgin Islands	5	----------	17	11	15	13	14	17
Philatelic agency	----------	----------	----------	109	317	303	812	2,340

[1] Revenues from money-order business, postal savings, and certain miscellaneous items not included.
[2] Includes receipts from agencies in China, France, and Siberia.
[3] Less than $500.

Source: Annual Reports of the Postmaster General.

17.—TELEPHONE, TELEGRAPH, CABLE, AND RADIOTELEGRAPH SYSTEMS

[Data cover public telephone systems and land (wire) commercial telegraph systems operated in continental United States and commercial cable and radiotelegraph systems operated by companies incorporated in United States]

No. 385.—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 telephones (thousands)	6,119	8,730	11,717	14,347	18,523	17,424
Number of calls originating with systems reporting (millions)	(1)	(1)	21,846	24,648	31,614	30,048
Number of employees	(1)	(1)	262,629	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
Local exchange	10,161	13,395	19,366	21,235	28,109	(4)
Long distance or toll	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	22,637	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						
Miles of wire (thousands)	1,077	1,229	1,529	1,763	1,559	1,193
Number of telephones (thousands)	1,212	1,403	1,763	2,052	1,810	1,140
Number of originating calls (millions)	(3)	(3)	2,037	2,746	2,418	948

[1] Not reported except for the larger systems and lines.
[2] Including assessments of mutual companies.
[3] Comparable data not available.
[4] Not called for on schedule.

Source: Bureau of the Census, Department of Commerce.

No. 386.—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	57,677,586	8,729,592	14,347,395	18,522,767	17,424,406	139	31,614	30,048
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
Middle Atlantic	19,992,689	27,399,025	1,782,145	3,249,710	4,588,211	4,613,733	172	6,908	6,905
New York	11,592,418	15,385,557	970,449	1,780,563	2,595,537	2,628,537	204	3,935	4,000
New Jersey	3,012,459	4,382,769	185,632	383,496	599,336	642,830	154	774	838
Pennsylvania	5,387,812	7,630,699	626,064	1,085,651	1,393,338	1,342,366	138	2,199	2,067
East North Central	15,223,410	21,574,370	2,378,257	3,693,101	4,589,751	4,034,931	156	7,538	6,504
Ohio	3,658,505	5,545,857	631,206	962,837	1,122,036	978,394	144	1,958	1,712
Indiana	1,558,005	2,223,608	354,550	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	2,315,996	2,594,081	2,260,985	169	4,577	3,960
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
Virginia	615,286	876,581	76,652	155,490	183,698	196,956	81	382	420
West Virginia	349,899	445,781	80,251	116,081	146,677	134,150	76	279	243
North Carolina	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. 387.—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	1925	16,935,900	16,720,224	45,473,540
1900	1,355,900	855,911	1,961,801	1926	17,746,000	17,574,252	50,861,150
1905	4,126,900	2,530,924	5,779,918	1927	[3] 18,522,767	18,365,486	56,822,895
1910	7,635,400	5,882,719	11,642,212	1928	19,341,000	19,197,035	62,192,744
1915	10,523,500	9,172,495	18,505,545	1929	20,068,000	19,958,000	69,519,425
1918	12,077,600	11,065,999	23,346,132	1930	20,201,000	20,098,059	76,248,265
1919	12,668,500	11,795,747	24,162,999	1931	19,690,000	19,596,000	79,239,000
1920	13,329,400	12,601,935	25,377,404	1932	[3] 17,424,406	17,341,000	80,491,000
1921	13,875,200	13,380,219	27,819,821	1933	16,711,000	16,635,000	80,281,000
1922	[3] 14,347,395	14,050,565	30,616,522	1934	[4] 16,899,000	[4] 16,797,000	80,118,000
1923	15,369,500	15,000,101	34,523,842	1935	[4] 17,424,000	[4] 17,354,000	80,458,000
1924	16,072,500	15,906,550	39,893,619				

[1] Partly estimated, except as indicated.
[2] Bell-owned and Bell-connecting (owned by other companies).
[3] From Bureau of the Census.
[4] Excludes 80,000 Bell private-line telephones in 1934 and 79,000 in 1935. Prior to 1934 private-line telephones were included.

No. 388.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): SUMMARY OF STATISTICS

	1910	1915	1920	1925	1930	1934	1935
	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	56,486	58,809
Toll messages, daily average	603	819	1,327	2,098	2,933	2,176	2,276
Central offices (number)	4,933	5,300	5,702	6,017	6,585	6,769	6,787
Miles of wire, total	11,642	18,506	25,377	45,474	76,248	80,118	80,458
Aerial wire	5,625	7,932	9,630	14,991	26,023	27,555	27,776
Underground wire	6,017	10,573	15,748	30,483	50,225	52,563	52,682
Exchange wire	9,678	16,052	21,604	39,841	62,867	64,946	65,121
Toll wire	1,964	2,453	3,773	5,633	13,381	15,172	15,337
Telephones, total	5,883	9,172	12,602	16,720	20,098	16,797	17,354
Bell-owned [1]	3,933	5,968	8,334	12,035	15,682	13,378	13,845
Bell-connecting (owned by other companies)	1,950	3,204	4,268	4,685	4,416	3,419	3,509
Employees (number)	120,311	156,294	231,316	293,095	324,343	248,957	244,599
	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	[3] 4,248,186	[3] 4,266,584
Capital stock [4]	344,645	440,711	511,493	1,144,619	2,155,053	2,106,187	2,100,475
Funded debt	224,792	353,236	585,794	890,337	1,115,592	1,038,825	1,078,377

[1] Includes private-line telephones prior to 1934; excludes 80,000 private-line telephones in 1934 and 79,000 in 1935.
[2] All duplications between companies excluded.
[3] Includes organization and franchise costs ($1,993,000 in 1934 and $1,916,000 in 1935).
[4] Includes capital stock installments.

Source of tables 387 and 388: American Telephone & Telegraph Co.

No. 389.—TELEPHONE SYSTEMS: Reports to the Interstate Commerce Commission and to the Federal Communications Commission

Note.—Companies engaged in interstate business are required to report both as regards interstate and intrastate business. Prior to 1923 the classification of companies based on the amount of annual operating revenues was as follows: Class A, over $250,000; class B, $50,000 to $250,000; class C, $10,000 to $50,000. Effective Jan. 1, 1923, the classification was amended as follows: Class A, over $250,000; class B, $100,000 to $250,000; class C, $50,000 to $100,000; class D, $50,000 or less. A further change was made effective Jan. 1, 1933, as follows: Class A, over $100,000; class B, $50,000 to $100,000; class C, $50,000 or less. The companies below $50,000 are not covered in the table

Year	Miles of wire (thousands)	Number of company telephones (thousands)	Employees		Operating revenues [1]	Operating expenses [1]	Taxes	Net operating income [1]	Investment	
			Number on Dec. 31	Total compensation					Plant and equipment [1]	All other [1]
				Thousands of dollars						
All companies:										
1916	23, 699	8, 963	210, 874	(2)	314, 801	209, 233	17, 123	(2)	1, 217, 756	(2)
1920	29, 640		(2)	(2)	530, 349	(2)	(2)	88, 024	1, 704, 304	1, 122, 289
1925	49, 773	13, 875	(2)	(2)	818, 218	556, 993	63, 632	193, 599	2, 790, 056	1, 633, 124
1929	75, 729	17, 697	402, 255	(2)	1, 172, 863	791, 612	90, 050	284, 968	4, 070, 131	2, 337, 207
1930	82, 783	17, 904	364, 732	(2)	1, 209, 665	831, 500	92, 855	277, 135	4, 445, 139	2, 658, 091
1931	86, 670	17, 573	332, 183	(2)	1, 179, 660	795, 376	97, 244	279, 188	4, 619, 076	2, 830, 718
1932	88, 303	15, 681	300, 485	(2)	1, 049, 757	715, 675	92, 837	228, 865	4, 660, 663	2, 783, 658
1933	84, 702	14, 948	282, 388	(2)	967, 833	690, 533	90, 906	186, 304	4, 649, 937	2, 721, 877
1934	84, 158	15, 100	280, 834	396, 738	973, 647	685, 408	95, 058	193, 093	4, 623, 724	[3] 2, 650, 887
1935 [4]	83, 657	15, 272	272, 678	409, 057	1, 015, 706	714, 673	100, 622	200, 344	4, 572, 678	[3] 2, 641, 399
Class A companies:										
1925	48, 487	13, 037	(2)	(2)	792, 428	539, 072	61, 699	186, 777	2, 674, 926	1, 631, 335
1930	81, 517	17, 128	352, 535	(2)	1, 183, 503	813, 734	90, 956	269, 717	4, 312, 385	2, 652, 428
1933	84, 372	14, 769	279, 233	380, 164	962, 348	686, 312	90, 467	185, 495	4, 620, 717	2, 699, 415
1934	83, 892	14, 957	278, 401	394, 760	969, 218	681, 996	94, 678	192, 454	4, 599, 931	[3] 2, 649, 197
1935 [4]	83, 508	15, 196	271, 343	408, 011	1, 013, 207	712, 783	100, 413	199, 944	4, 560, 133	[3] 2, 639, 875

[1] Owing to revisions in the accounting classifications, data beginning with 1933 are not comparable with those for earlier years.
[2] Data not available.
[3] Excluding investments in electric, gas, water, and other utilities operated by telephone companies; such data were included prior to 1934.
[4] Returns incomplete; data, however, represent great bulk of business.

Sources: Interstate Commerce Commission, 1916 to 1933; Federal Communications Commission thereafter.

No. 390.—RADIOTELEGRAPH CARRIERS: Reports to the Federal Communications Commission

Note.—For Census data relating to wireless telegraph systems, 1907–1927, see the 1935 Statistical Abstract, table 377

[All money figures in thousands of dollars]

	1934	1935
Operating revenues	7, 428	7, 963
Operating expenses	7, 023	7, 844
Tax accruals	279	214
Operating income	166	[1] 275
Net income	[1] 141	[1] 641
Revenue messages transmitted (thousands)	5, 086	6, 876
Number of employees on June 30	2, 362	2, 815
Total compensation for year	4, 042	4, 205
Investment in plant and equipment	30, 906	31, 420
Capital stock	7, 466	7, 667
Unmatured funded debt	3, 789	4, 144

[1] Deficit.

Source: Federal Communications Commission.

No. 391.—TELEGRAPH AND CABLE SYSTEMS: Reports to the Interstate Commerce Commission and to the Federal Communications Commission

[All money figures in thousands of dollars]

Year	Miles of wire (thousands)	Investments		Operating revenues	Operating ratio (per cent)	Operating income	Net income	Dividends	Employees	
		Plant and equipment	Other						Number on June 30	Total compensation
All companies:										
1916	1,936	149,936	(1)	74,847	73.77	(1)	13,955	6,066	(1)	(1)
1920	1,781	258,097	21,275	153,264	(1)	21,512	16,158	11,471	(1)	(1)
1921	1,858	270,976	20,549	136,663	(1)	18,667	13,311	9,078	(1)	(1)
1922	1,874	279,402	19,907	138,190	(1)	22,894	18,138	13,960	(1)	(1)
1923	1,894	288,481	27,001	144,610	81.11	21,025	16,656	9,309	(1)	(1)
1924	1,946	307,143	27,565	146,176	81.94	20,229	15,805	9,386	(1)	(1)
1925	2,075	321,687	28,191	162,693	81.64	23,204	18,854	9,066	81,601	(1)
1926	2,056	338,794	27,017	165,831	82.81	21,767	16,806	10,750	83,437	(1)
1927	2,207	379,514	27,434	170,843	80.58	25,714	21,046	11,618	81,323	(1)
1928	2,317	396,609	32,190	177,019	81.18	26,335	21,662	11,680	83,027	(1)
1929	2,365	411,725	54,285	188,574	82.59	26,333	21,611	18,828	92,958	(1)
1930	2,381	450,223	38,640	169,643	86.16	17,930	10,730	20,073	90,349	(1)
1931	2,349	463,171	25,498	142,792	87.78	12,662	4,029	9,588	77,559	(1)
1932	2,337	465,639	22,417	110,302	89.88	6,168	[2] 3,123	2,461	65,116	(1)
1933	2,353	466,701	24,637	109,040	85.02	11,124	2,895	816	62,342	64,719
1934	2,399	501,754	55,057	119,053	86.35	11,024	1,058	1,796	68,621	73,129
1935	2,401	501,141	54,514	122,208	83.93	14,426	4,251	4,816	66,172	72,171
Western Union Co.: 1935	1,906	328,863	19,055	89,869	82.12	12,042	5,258	2,090	46,488	54,846
Postal Telegraph-Cable Co. (land line system): 1935	386	82,360	837	22,146	92.68	971	[2] 1,760	--------	15,792	12,731

[1] Data not available. [2] Deficit.

Source: Interstate Commerce Commission, 1916 to 1933; Federal Communications Commission thereafter.

No. 392.—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

[1] Exclusive of pole line owned and operated wholly by railway companies.

[2] Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of $1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles; 1932, 337,059 miles. No data for 1902.

[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. 393.—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] Not including land-line system plant and equipment to the value of $20,000,000 reported as cable-system plant and equipment for 1917.
[5] Includes land-line-system plant and equipment to the value of $20,000,000.

No. 394.—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	23,814	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
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
1934	255,781	1,902,799	21,078	88,757,205	86,514,121	2,243,084
1935	254,691	1,905,858	20,964	91,389,312	86,131,234	5,258,078

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

Sources: table 393, Bureau of the Census, Department of Commerce; table 394, Western Union Telegraph Co.

18.—POWER—ELECTRIC AND OTHER

[Data in this section relate to continental United States]

No. 395.—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 [1]	Bituminous	Total coal	Domestic oil	Natural gas	Imported oil	Water power [2]	Grand total fuels and water power	Equivalent in bituminous coal [3]	
									Million tons of 2,000 lbs.	Per capita, tons
1871–1875	637	754	1,391	49	--------	--------	(2)	1,520	58	1.4
1876–1880	718	955	1,673	101	--------	--------	(2)	1,857	71	1.5
1881–1885	985	1,863	2,848	153	[4] 24	--------	(2)	3,110	119	2.2
1886–1890	1,195	2,474	3,669	198	[4] 264	--------	(2)	4,221	161	2.7
1891–1895	1,453	3,286	4,739	307	[4] 166	--------	104	5,316	203	3.0
1896–1900	1,513	4,493	6,006	357	[4] 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
1931–1935	1,454	9,191	10,645	5,333	1,816	230	1,931	19,954	762	6.1
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	1,348	8,741	10,089	5,434	1,672	191	1,931	19,317	737	5.9
1934	1,555	9,415	10,970	5,448	1,904	213	1,896	20,431	780	6.2
1935 (preliminary)	1,387	9,676	11,063	5,964	2,016	193	2,207	21,443	818	6.4

[1] Not including bootleg or stolen coal, estimated at about 4,000,000 net tons in 1935; if this were included the total energy from anthracite in 1935 would be 1,496 trillion British thermal units.
[2] 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.
[3] Calculated at 26,200,000 British thermal units per ton.
[4] Based on the amount of coal displaced by gas, as estimated by the gas companies.

No. 396.—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 1935, 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 (thousand kilowatts)
	Total	Water power	Fuel power	Coal (thousand tons [1])	Fuel oil (thousand barrels [2])	Gas (million cubic feet)	Total (thousand tons [1])	Per kilowatt-hour (pounds)	
	Million kilowatt-hours								
1902	4,768	--------	--------	--------	--------	--------	--------	--------	[3] 2,112
1912	17,572	--------	--------	--------	--------	--------	--------	--------	7,670
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	14,399
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	120,230	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
1934	91,150	34,058	57,092	33,555	10,379	127,896	41,266	1.47	35,874
1935	99,398	39,968	59,430	34,807	11,393	125,239	43,188	1.46	36,133

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

Sources: Table 395, Bureau of Mines, Department of the Interior; table 396, 1902 and 1912, Bureau of the Census, Department of Commerce; thereafter, Geological Survey, Department of the Interior.

No. 397.—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, December
	Total						Generated by water power		Generated by fuel power		
	1920	1925	1930	1933	1934	1935	1934	1935	1934	1935	1935
United States	43,555	65,870	95,936	85,402	91,150	99,398	34,058	39,968	57,092	59,430	36,133
New England	3,407	4,824	6,400	6,067	6,371	6,914	2,776	2,950	3,595	3,964	2,908
Maine	352	509	731	825	870	929	862	907	8	22	264
New Hampshire	97	264	367	599	631	681	575	631	55	50	280
Vermont	200	258	480	432	442	531	442	531	(1)	(1)	175
Massachusetts	1,740	2,378	2,908	2,595	2,673	2,887	570	634	2,103	2,252	1,337
Rhode Island	334	408	547	442	473	512	5	4	468	508	243
Connecticut	684	1,007	1,367	1,174	1,284	1,375	323	244	961	1,131	609
Middle Atlantic	12,349	18,299	25,136	22,977	24,417	25,904	6,804	7,836	17,613	18,069	9,382
New York	6,939	10,267	14,404	12,988	13,419	14,082	5,393	6,192	8,026	7,890	5,393
New Jersey	1,096	1,506	2,857	3,202	3,524	3,576	31	26	3,493	3,550	1,076
Pennsylvania	4,314	6,526	7,875	6,787	7,475	8,246	1,380	1,618	6,094	6,628	2,913
East North Central	9,958	15,715	22,165	18,856	20,920	22,833	2,145	2,686	18,776	20,147	8,015
Ohio	2,930	4,387	5,942	5,415	5,948	6,676	15	21	5,933	6,655	2,153
Indiana	933	1,484	2,943	2,513	2,822	3,048	72	115	2,750	2,933	1,041
Illinois	3,043	5,269	6,851	5,632	6,090	6,087	229	272	5,861	5,814	2,314
Michigan	2,093	3,031	4,270	3,484	4,112	4,726	1,055	1,181	3,057	3,544	1,588
Wisconsin	960	1,542	2,159	1,813	1,949	2,296	774	1,096	1,175	1,200	918
West North Central	3,179	4,254	5,982	5,505	5,726	6,588	1,224	2,148	4,502	4,440	2,710
Minnesota	703	1,046	1,311	1,162	1,224	1,205	338	573	886	633	590
Iowa	1,017	1,195	1,574	1,394	1,437	1,788	575	877	862	911	600
Missouri	698	866	1,269	1,289	1,205	1,622	250	626	956	996	716
North Dakota	28	39	125	139	158	173	-------	-------	158	173	69
South Dakota	48	75	114	86	98	110	8	11	91	99	68
Nebraska	247	366	575	556	611	620	37	36	574	584	259
Kansas	438	667	1,014	879	992	1,069	16	25	976	1,044	409
South Atlantic	3,980	6,272	10,895	10,144	10,194	11,430	5,702	6,495	4,491	4,935	4,368
Delaware	76	102	18	6	6	7	-------	-------	6	7	31
Maryland	283	573	1,869	1,753	1,641	1,874	1,205	1,395	436	479	612
District of Columbia	255	350	548	468	545	586	11	12	535	574	222
Virginia	521	802	1,231	1,090	1,123	1,223	299	405	824	818	475
West Virginia	1,128	1,643	2,103	1,732	1,828	2,113	128	192	1,699	1,921	569
North Carolina	260	942	2,298	1,957	1,886	2,320	1,758	2,151	128	169	984
South Carolina	730	882	1,202	1,313	1,363	1,307	1,232	1,202	130	105	642
Georgia	595	661	937	1,212	1,131	1,280	1,043	1,108	88	172	469
Florida	133	318	688	613	670	719	25	30	645	689	364
East South Central	1,464	2,610	3,882	3,399	3,760	4,206	3,088	3,458	672	748	1,661
Kentucky	276	475	719	660	724	742	396	407	328	336	331
Tennessee	573	875	1,037	976	1,167	1,234	935	966	232	268	426
Alabama	550	1,169	2,065	1,712	1,815	2,173	1,756	2,086	59	88	840
Mississippi	66	91	62	50	53	56	-------	-------	53	56	64
West South Central	1,230	2,202	5,055	4,256	4,552	4,879	158	286	4,394	4,593	1,775
Arkansas	119	189	108	165	136	239	85	182	51	57	147
Louisiana	219	350	1,067	1,097	1,222	1,278	-------	-------	1,222	1,278	311
Oklahoma	214	394	958	728	753	824	2	2	751	822	339
Texas	679	1,268	2,922	2,267	2,442	2,538	72	102	2,370	2,436	978
Mountain	2,581	3,127	3,699	2,771	2,898	3,518	2,170	2,681	729	837	1,207
Montana	1,126	1,263	1,320	923	868	1,296	852	1,281	15	15	310
Idaho	591	754	912	595	685	672	684	672	1	1	238
Wyoming	47	56	98	79	82	94	26	28	56	66	44
Colorado	397	523	573	459	507	549	182	197	325	352	236
New Mexico	15	22	76	157	173	191	1	1	172	189	87
Arizona	159	131	384	296	345	378	250	273	95	105	146
Utah	212	340	293	237	207	310	147	206	60	104	136
Nevada	34	40	43	24	32	28	27	23	5	5	11
Pacific	5,408	8,569	12,723	11,428	12,312	13,126	9,992	11,428	2,320	1,698	4,107
Washington	1,197	1,623	2,555	2,439	2,747	2,982	2,584	2,773	163	209	902
Oregon	476	730	1,219	965	1,002	1,084	872	903	130	180	338
California	3,736	6,216	8,948	8,023	8,562	9,060	6,535	7,751	2,027	1,309	2,867

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

Source: Geological Survey, Department of the Interior.

No. 398.—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	19,281,845
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	2,102,686	3,773,636
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, Maryland, Dist. of Columbia	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	2,777,268
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	482,646	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	147,391	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 399]

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, 135	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, 864	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	363, 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, 569, 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. 399.—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 consume all current generated, such as mines, factories, hotels, and other enterprises not in the nature of public utilities, nor plants operated by the Federal Government or by States unless energy is sold commercially. No data are included for electric-railway power plants unless part of the current generated is sold. There is considerable duplication in total sales, since they include energy sold for resale. Amount sold is considerably less than current generated 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
Steam engines	1,394	1,895	1,702	1,371	994	650
Steam turbines		3,054	6,747	12,355	24,323	32,904
Water wheels and hydroturbines	439	2,469	4,277	5,822	9,844	13,532
Internal-combustion engines	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)	3,838	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 distributing or both) or a number of such stations operated under the same ownership.
[2] Figures not available.
[3] Salaries and wages were not reported for 1927 by municipal plants. Commercial plants reported 95,917 salaried employees, with salaries amounting to $166,341,000, and 138,796 wage earners, with wages amounting to $201,291,000.
[4] Schedule did not call for segregation of salaries and wages. The total amount reported was $323,880,000, of which $303,058,000 was reported by commercial 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. 400.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, AND FINANCES OF COMMERCIAL AND MUNICIPAL ESTABLISHMENTS

NOTE.—See headnote to table 399

	Commercial establishments				Municipal establishments			
	1917	1922	1927	1932	1917	1922	1927	1932
Number of establishments	4,224	3,774	2,137	1,627	2,31	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
Employees ... number	94,679	136,105	234,747	225,557	10,862	14,657	16,273	19,016
Income ... 1,000 dollars	486,634	986,684	[1] 1,841,227	[1] 2,030,997	40,260	85,436	[2] 122,437	[1] 126,298
Expenses ... do	395,127	792,496	[3] 1,318,255	[3] 1,477,139	31,441	67,129	(4)	[3] 89,217
Assets ... do	3,631,973	5,504,614	12,950,388	17,032,540	148,345	288,623	(4)	710,143
Value of plant and equipment ... 1,000 dollars	2,933,017	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 399 and 400: Bureau of the Census, Department of Commerce.

No. 401.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars. See headnote to table 399]

	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)	(6)	(6)

[1] Includes net income from utilities other than electric and nonoperating income.
[2] Includes revenue for farm service, $41,875,000; domestic service, $584,995,000; small light and power (retail), $459,441,000; large light and power (wholesale), $475,739,000; and other service, $14,146,000.
[3] Includes revenue 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.

No. 402.—ELECTRIC LIGHT AND POWER INDUSTRY: REPORTS TO THE EDISON ELECTRIC INSTITUTE

	1926	1930	1932	1933	1934	1935
Current generated ..... million kilowatt-hours	67,990	88,592	76,885	79,259	84,931	92,322
Sales to ultimate consumers ..... do	56,089	74,906	63,764	65,754	70,782	77,555
Domestic service, incl. nonirrigated farms	6,827	11,018	11,987	11,960	12,798	13,978
Commercial, small light and power (retail)	9,485	13,944	12,932	12,475	13,151	14,222
Commercial, large light and power (wholesale)	32,615	41,621	31,186	33,722	36,919	41,162
All other	7,163	8,323	7,659	7,596	7,915	8,193
Revenue from ultimate consumers ..... 1,000 dollars	1,520,159	1,990,955	1,832,596	1,773,416	1,837,046	1,921,077
Domestic service, incl. nonirrigated farms	478,182	664,441	669,200	656,570	677,697	702,682
Commercial, small light and power (retail)	427,407	575,598	528,861	499,684	511,682	538,394
Commercial, large light and power (wholesale)	488,915	590,992	476,451	465,191	495,657	528,948
All other	125,655	159,924	158,084	151,970	152,010	151,052
Customers, average for year ..... thousands	19,448	24,351	24,282	24,067	24,566	25,112
Domestic, including nonirrigated farms	15,992	20,149	19,956	19,800	20,266	20,779
Commercial, small light and power (retail)	3,041	3,613	3,707	3,671	3,706	3,759
Commercial, large light and power (wholesale)	383	541	555	529	527	504
All other	33	48	65	67	68	70

Sources: Table 401, Bureau of the Census, Department of Commerce; table 402, Edison Electric Institute.

No. 403.—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. 404.—TOTAL NET MONTHLY PRICE OF SPECIFIED AMOUNTS OF ELECTRICITY: BASED ON RATES AS OF NOV. 15, 1934, AND JAN. 15, 1936, BY CITIES

[P=Private utility; M=Municipal plant; prices are based on average consumption for a 5-room house]

	Nov. 15, 1934				Jan. 15, 1936			
	Lighting and small appliances		Lighting, appliances and refrigerator	Lighting, appliances, refrigerator, and range	Lighting and small appliances		Lighting, appliances and refrigerator	Lighting, appliances, refrigerator, and range
	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Atlanta:								
Immediate P	$1.62	$2.37	$4.57	$8.32	$1.62	$2.37	$4.57	$8.32
Inducement [1] P	1.45	2.12	3.95	6.57	1.45	2.12	3.95	6.57
Baltimore P	1.25	2.00	4.18	8.98	1.25	2.00	4.18	8.98
Birmingham:								
Immediate P	1.55	2.30	4.05	7.80	1.45	2.20	3.95	7.50
Objective [1] P	----	----	----	----	.98	1.56	3.20	6.95
Boston P	1.65	2.40	5.20	9.70	1.55	2.30	5.10	9.60
Bridgeport P	1.31	2.10	5.25	10.90	1.31	2.05	4.87	8.90
Buffalo P	1.13	1.70	3.06	5.31	1.13	1.70	3.06	5.31

For footnotes see following page.

No. 404.—Total Net Monthly Price of Specified Amounts of Electricity, Based on Rates as of Nov. 15, 1934, and Jan. 15, 1936, by Cities—Continued

	Nov. 15, 1934				Jan. 15, 1936			
	Lighting and small appliances		Lighting, appliances and refrigerator	Lighting, appliances, refrigerator, and range	Lighting and small appliances		Lighting, appliances and refrigerator	Lighting, appliances, refrigerator, and range
	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Butte P	$2.00	$2.60	$4.50	$8.00	$1.55	$2.38	$4.43	$7.93
Charleston, S. C.:								
Immediate P	2.12	3.15	5.85	10.09	1.60	2.50	5.35	8.85
Objective [1] P					1.50	2.25	4.20	6.82
Chicago P	1.51	2.04	3.75	8.02	1.51	2.04	3.75	8.02
Cincinnati P	1.25	1.70	3.00	6.00	1.13	1.58	2.88	5.88
Cleveland P	1.00	1.60	4.00	9.88	1.00	1.60	4.00	9.88
M	.88	1.31	3.05	7.40	.88	1.31	3.05	7.40
Columbus P	1.25	1.95	4.50	8.50	1.25	1.95	4.50	8.50
M	1.25	2.00	4.75	10.00	1.00	1.58	3.80	8.30
Dallas P	1.38	2.20	4.60	8.40	1.38	2.20	4.60	8.40
Denver P	1.50	2.40	4.80	9.30	[2] 1.53	[2] 2.45	[2] 4.90	[2] 9.49
Detroit [3] [4] P	1.43	1.99	3.65	7.12	1.43	1.99	3.65	7.12
Fall River P	2.00	2.75	5.50	10.25	1.75	2.60	5.20	9.35
Houston P	1.30	1.90	4.30	8.28	1.30	1.90	4.30	8.28
Indianapolis P	1.44	2.30	4.80	8.53	1.44	2.30	4.80	8.53
Jacksonville M	1.75	2.80	7.00	7.95	1.75	2.70	4.95	7.95
Kansas City P	1.63	2.30	4.00	7.75	[5] 1.65	[5] 2.32	[5] 4.04	[5] 7.83
Little Rock:								
Present P	2.10	2.90	5.10	9.60	[2] 1.99	[2] 2.88	[2] 5.20	[2] 8.67
Centennial [1] P					[2] 1.84	[2] 2.63	[2] 5.10	[2] 8.67
Los Angeles P	1.20	1.81	3.31	6.31	1.20	1.81	3.31	6.31
P	1.20	1.81	3.31	6.31	1.25	2.00	5.00	7.00
M	1.20	1.81	3.31	6.31	1.20	1.81	3.31	6.31
Louisville P	[4] 1.29	[4] 2.06	[4] 3.91	[4] 8.55	1.25	2.00	3.80	8.30
Manchester P	2.34	3.24	5.36	8.36	2.00	2.80	5.00	8.00
Memphis P	1.38	2.20	4.25	8.75	1.38	2.20	4.25	8.75
Milwaukee P	[3] 1.55	[3] 2.04	[3] 3.75	[3] 7.08	1.41	1.90	3.60	6.48
Minneapolis P	1.85	2.33	4.04	7.34	1.66	2.18	3.80	6.79
Mobile:								
Present P	1.55	2.30	4.05	7.60	1.55	2.30	4.05	7.60
Objective [1] P	1.45	2.13	3.95	6.58	1.45	2.13	3.95	6.58
Newark P	2.15	3.20	5.30	9.80	1.92	2.60	4.50	8.75
New Haven P	1.31	2.10	5.25	10.90	1.31	2.05	4.87	8.90
New Orleans P	2.13	3.25	6.00	10.75	1.88	2.85	5.50	10.25
New York: [2]								
Bronx [6] P					1.80	2.56	4.92	8.26
Brooklyn P	1.80	2.55	5.55	13.05	1.80	2.56	4.92	8.26
Manhattan P	1.80	2.55	5.55	13.05	1.80	2.56	4.92	8.26
Queens P	2.13	3.20	6.25	12.75	1.80	2.56	4.92	8.26
P					2.17	3.26	6.38	13.01
Richmond P	2.15	3.11	5.51	8.91	2.19	3.17	5.62	9.09
Norfolk P	1.63	2.60	5.30	8.25	1.50	2.25	4.80	7.80
Omaha P	1.38	2.20	4.25	8.15	1.19	1.90	3.88	7.78
Peoria P	1.50	2.01	3.81	6.81	1.50	2.01	3.57	6.32
Philadelphia P	1.58	2.40	4.45	8.70	1.50	2.25	4.25	7.50
Pittsburgh P	1.55	2.20	4.10	8.60	1.25	2.00	4.00	8.50
Portland, Maine P	1.88	2.63	4.73	7.73	1.88	2.63	4.73	7.73
Portland, Oreg. [6] P	1.38	1.95	3.39	6.09	1.38	1.95	3.39	6.09
Providence P	1.93	2.91	5.81	9.84	1.87	2.81	5.60	9.63
Richmond P	1.63	2.60	5.30	8.25	1.50	2.25	4.80	7.80
Rochester P	1.65	2.40	5.00	10.00	1.59	2.26	4.56	7.81
St. Louis [3] P	1.19	1.71	3.13	6.22	[5] 1.20	[5] 1.73	[5] 3.16	[5] 6.28
P	1.07	1.43	2.85	5.70	1.08	1.44	2.88	5.76
St. Paul P	1.96	2.39	4.10	8.38	1.60	2.15	3.85	7.00
Salt Lake City: [2]								
Present P	1.92	2.99	4.92	7.85	1.92	2.99	4.92	7.85
Objective [1] P					1.63	2.30	3.83	7.14
San Francisco P	1.53	2.10	4.20	7.85	1.40	2.00	3.50	7.15
Savannah P	1.63	2.38	4.57	8.32	1.63	2.38	4.57	8.32
Scranton P	1.75	2.80	5.00	9.50	1.63	2.45	4.85	9.35
Seattle P	1.38	2.20	3.40	6.28	1.25	2.00	3.20	6.08
M	1.40	2.20	3.40	6.30	1.25	2.00	3.20	6.10
Springfield, Ill. P	1.25	1.90	3.90	6.90	1.25	1.90	3.90	6.90
M	1.25	1.90	3.02	4.80	1.25	1.90	3.02	4.80
Washington P	.98	1.56	3.60	5.67	.98	1.56	3.50	5.67

[1] Rate designed to encourage greater use of electricity.
[2] Includes 2-percent sales tax.
[3] Includes free lamp-renewal service.
[4] Includes 3-percent sales tax.
[5] Includes 1-percent sales tax.
[6] Reports from 2 companies with identical rates.

Source: Bureau of Labor Statistics, Department of Labor.

No. 405.—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. Figures for potential power are revised estimates showing the 24-hour horsepower available 90 percent of the time and 50 percent of the time at an over-all efficiency of 70 percent at all developed and undeveloped sites. Data for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of installed water wheels or turbines, which may be several times the potential power available 90 percent 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, 1933	January, 1934	January, 1935	January, 1936	90 percent of the time	50 percent of the time
Continental U. S.	**7,927**	**10,048**	**13,808**	**15,818**	**15,913**	**16,075**	**16,079**	**41,701**	**60,278**
New England	**1,311**	**1,399**	**1,643**	**1,947**	**2,004**	**2,006**	**1,994**	**1,022**	**2,019**
Maine	450	477	541	613	613	616	603	536	1,074
New Hampshire	229	243	278	559	572	575	575	186	350
Vermont	130	168	260	202	192	192	192	103	209
Massachusetts	338	344	362	368	423	422	423	107	236
Rhode Island	30	30	30	30	29	29	29	25	40
Connecticut	134	136	172	174	175	173	172	65	110
Middle Atlantic	**1,479**	**1,958**	**2,113**	**2,396**	**2,421**	**2,465**	**2,458**	**4,397**	**6,088**
New York	1,292	1,714	1,805	1,900	1,835	1,885	1,879	4,034	4,993
New Jersey	17	19	18	17	17	17	17	50	90
Pennsylvania	170	226	291	478	520	563	562	313	1,000
East North Central	**739**	**885**	**1,075**	**1,139**	**1,186**	**1,189**	**1,176**	**758**	**1,401**
Ohio	29	30	30	22	23	23	24	55	166
Indiana	27	51	55	55	55	55	55	45	145
Illinois	85	87	95	94	88	88	93	139	361
Michigan	267	305	379	444	464	477	483	184	249
Wisconsin	331	413	517	524	555	546	521	285	480
West North Central	**444**	**515**	**551**	**767**	**762**	**750**	**746**	**1,040**	**1,882**
Minnesota	205	263	287	287	287	272	272	212	329
Iowa	173	177	181	184	183	183	183	169	395
Missouri	18	20	23	235	235	235	235	84	105
North Dakota	(1)	(1)	(1)	(1)	(1)	(1)	(1)	82	193
South Dakota	18	19	19	20	20	20	20	206	247
Nebraska	15	21	24	24	24	24	24	183	342
Kansas	15	14	16	16	13	16	13	104	251
South Atlantic	**1,082**	**1,594**	**2,657**	**2,979**	**3,086**	**3,173**	**3,218**	**2,988**	**5,133**
Delaware	3	3	1	1	1	1	1	5	10
Maryland	7	7	416	416	409	404	405	106	238
Dist. of Columbia	1	1	6	6	6	6	6		
Virginia	104	118	126	155	152	154	156	459	812
West Virginia	15	15	89	87	87	227	269	355	980
North Carolina	330	535	947	971	971	980	980	916	1,245
South Carolina	330	507	574	810	811	811	811	555	860
Georgia	286	400	473	512	[2] 578	569	569	572	958
Florida	7	9	25	21	20	20	20	20	30
East South Central	**241**	**392**	**1,169**	**1,364**	**1,298**	**1,303**	**1,303**	**2,477**	**3,251**
Kentucky	1	1	145	145	145	145	145	245	380
Tennessee	127	166	179	288	288	291	291	1,340	1,656
Alabama	113	224	845	931	[2] 865	867	867	820	1,140
Mississippi								72	75
West South Central	**16**	**31**	**49**	**150**	**150**	**150**	**145**	**567**	**1,117**
Arkansas	1	16	16	95	95	95	95	200	300
Louisiana								9	9
Oklahoma	2	2	3	2	2	2	2	70	194
Texas	13	14	31	53	53	53	48	288	614
Mountain	**827**	**937**	**1,185**	**1,212**	**1,209**	**1,190**	**1,199**	**11,132**	**14,870**
Montana	344	360	419	429	428	428	429	2,410	3,300
Idaho	224	299	358	348	348	342	355	2,550	3,550
Wyoming	8	8	19	23	23	23	23	704	1,182
Colorado	92	91	98	102	101	102	99	873	1,609
New Mexico	1	1	2	2	2	2	2	116	186
Arizona	39	49	120	137	137	137	133	2,759	2,887
Utah	106	115	156	158	156	144	144	1,420	1,535
Nevada	13	14	14	14	14	13	13	300	370
Pacific	**1,789**	**2,336**	**3,365**	**3,865**	**3,848**	**3,851**	**3,842**	**17,320**	**24,740**
Washington	454	561	766	1,053	1,037	1,037	1,037	8,800	12,000
Oregon	185	244	299	364	364	363	360	4,400	6,300
California	1,149	1,531	2,301	2,448	2,447	2,450	2,444	4,120	6,440
Outlying areas:									
Alaska		40	36	37	(3)	(3)	(3)	1,000	2,500
Hawaii		25	(4) 32	26	26	(3)	26	19	28
Puerto Rico		15	(3)	36	(3)	(5) 52	(3)	72	174

[1] Less than 500. [2] Bartletts Ferry plant changed from Alabama to Georgia. [3] Not available. [4] Capacity in 1928. [5] Figures from McGraw Central Station Directory, 1935.

Source: Geological Survey, Department of the Interior.

19.—PUBLIC ROADS AND MOTOR VEHICLES

No. 406.—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. Figures for county and township roads not available subsequent to 1930. 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
ALL RURAL ROADS				
Total mileage at end of year	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 [1]	340,583	467,077	549,981	567,851
High type [1]	[2] 47,177	82,987	112,454	125,708
Total mileage built during year	110,976	116,413	78,003	87,717
Earth roads (graded and drained)	[3] 69,804	60,059	23,128	24,370
Surfaced roads [4]	41,172	56,354	54,875	63,347
Low type [1]	33,083	46,746	42,548	48,397
High type [1]	[5] 8,089	9,608	12,327	14,950
Funds available for rural road purposes, all authorities [6] (1,000 dollars)	[7] 1,109,896	1,640,451	2,042,400	2,302,646
Motor vehicle fees, gasoline taxes	119,915	436,449	687,730	862,933
Other taxes and appropriations	*415,747*	*491,194*	*560,908*	*537,951*
Proceeds of bonds	434,573	272,422	271,864	316,973
Federal aid [8]	77,457	79,163	77,573	92,463
All other sources	[7] 62,205	361,224	444,324	492,326
Disbursements for rural roads and bridges, all roads, by all authorities (1,000 dollars)	1,027,493	1,276,698	1,615,519	1,885,851
Highway purposes—				
Construction	622,172	621,893	813,982	1,009,712
Maintenance	250,559	338,853	433,538	475,912
Other expenditures	121,372	203,002	197,148	194,869
All other disbursements	33,389	112,950	170,850	205,357

Item	1926	1930	1931	1932	1933	1934
Total mileage of State highway systems at end of year [9]	287,928	324,496	328,942	[10] 358,210	345,751	[11] 324,312
Earth roads	124,869	98,275	86,242	92,150	73,906	52,698
Surfaced roads	163,059	226,221	242,700	266,060	271,845	271,614
Low type [1]	109,110	142,109	146,359	156,325	157,995	161,923
High type [1]	53,949	84,112	96,341	109,735	113,850	109,691
Total mileage of State highway systems built during year	27,387	35,277	44,634	35,971	27,930	32,723
Earth roads (graded and drained)	7,060	7,813	10,095	6,394	6,258	5,162
Surfaced roads [4]	20,327	27,464	34,539	29,577	21,672	27,561
Low type [1]	14,199	16,677	22,026	19,568	14,271	22,272
High type [1]	6,128	10,787	12,513	10,009	7,401	5,289
Funds available to State highway departments [12] (1,000 dollars)	806,688	1,423,164	1,367,970	1,173,576	955,124	1,295,642
Disbursements by State highway departments, including Federal aid [12] (1,000 dollars)	621,744	1,139,677	1,091,009	955,446	782,006	991,774
Highway construction under Federal aid, status at end of year: [13]						
Completed mileage	56,717	88,945	99,777	104,562	118,176	120,340
Projects under construction:						
Miles	14,581	9,089	8,672	13,349	2,669	460
Total cost (1,000 dollars)	365,730	233,397	216,850	250,978	66,174	15,780
Federal aid (1,000 dollars)	151,490	99,573	98,080	98,257	26,724	7,132
Projects approved for construction:						
Miles	1,575	2,875	1,910	2,682	64	17
Total cost (1,000 dollars)	40,299	60,394	35,473	45,085	408	462
Federal aid (1,000 dollars)	13,921	25,531	15,134	13,314	273	93
Federal-aid fund available for new projects (1,000 dollars)	113,070	144,726	113,879	20,294	3,956	927

[1] Low type includes top-soil, sand-clay, gravel, chert, shale, etc., waterbound macadam, and low-cost bituminous mix; high type includes bituminous macadam, bituminous concrete, sheet asphalt, portland cement concrete, block pavements, and timber flooring on bridges.
[2] Includes 11,303 miles of unclassified roads.
[3] Includes mileage partially graded and drained.
[4] Includes original and reconstructed surfacing.
[5] Includes 368 miles of unclassified roads.
[6] Excludes funds transferred.
[7] Excludes balance on hand at beginning of year; not reported in 1921.
[8] *For road and bridge purposes under supervision of State highway department only.*
[9] Includes an undetermined amount of municipal street mileage on State highway systems or connecting these systems. For 1933 and 1934 such mileage is included, however, for only a few States. Figures prior to 1934 also include mileage of secondary road systems under State control for a number of States.
[10] Includes 20,171 miles of local roads in Pennsylvania under jurisdiction of State highway department for construction and maintenance; this mileage was excluded in 1933 and for years prior to 1932.
[11] Primary systems only. See also note 9.
[12] Includes funds transferred to or from local units.
[13] Includes data for Hawaii for all items except those for projects approved for construction which include Hawaii beginning 1929 only. For 1935 data regarding Federal-aid road construction, also emergency road construction in 1935, see table 411.

Source: Bureau of Public Roads, Department of Agriculture.

No. 407.—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 Dec 31; there are, however, some exceptions. Data for local roads subsequent to 1930 are not available. For mileage of State highway systems as of Dec. 31, 1934, see table 408

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	28,348
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	94,365	124,298	153,853	160,664	168,210	174,150	181,598
Ohio	86,354	84,219	85,106	30,569	36,068	42,361	43,977	46,245	48,503	50,836
Indiana	73,347	76,246	73,768	30,962	39,857	49,440	50,284	50,995	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	11,897	12,327	12,581
West Virginia	32,024	35,173	34,799	1,065	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	18,330	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	8,102	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	413,820	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	8,697	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	3,487	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. 408.—STATE HIGHWAY SYSTEMS: RURAL ROADS AND MUNICIPAL STREETS CONNECTING HIGHWAYS AS OF DEC. 31, 1934, AND RURAL MILEAGE SURFACED DURING 1933 AND 1934

Division and State	Existing mileage, end of 1934						Mileage surfaced on primary systems (rural) during—		
	Rural roads and municipal streets [1]	Primary systems of rural State highways							
		Total	Earth roads	Surfaced roads			1933, total [2]	1934	
				Total	Low type [2]	High type [2]		Total [3]	On earth roads
Cont'l U. S.	507,014	324,312	52,698	271,614	161,923	109,691	21,672	27,561	8,912
New England	17,564	9,963	514	9,449	4,770	4,679	402	414	122
Maine	[1] 8,060	2,314	70	2,244	1,612	632	61	67	12
New Hampshire	[1] 3,063	1,460	---------	1,460	1,018	442	37	41	6
Vermont	1,029	1,029	10	1,019	604	415	41	64	2
Massachusetts	1,833	[4] 1,833	---------	1,833	171	1,662	95	125	17
Rhode Island	1,106	1,010	346	664	190	474	73	60	46
Connecticut	2,473	[5] 2,317	88	2,229	1,175	1,054	95	57	39
Middle Atlantic	51,295	28,271	2,582	25,689	7,569	18,120	1,349	1,731	915
New York	13,946	13,946	1,536	12,410	2,165	10,245	824	686	167
New Jersey	1,872	1,351	82	1,269	101	1,168	33	42	21
Pennsylvania	[1] 35,477	12,974	964	12,010	5,303	6,707	[6] 492	[7] 1,003	[7] 727
East North Central	53,514	49,843	2,007	47,836	18,600	29,236	2,168	2,991	727
Ohio	14,331	12,204	60	12,144	5,441	6,703	440	949	139
Indiana	[8] 9,292	[8] 9,292	806	8,486	3,955	4,531	396	354	79
Illinois	10,803	10,099	247	9,852	17	9,835	674	199	182
Michigan	8,982	8,256	433	7,823	4,095	3,728	281	362	188
Wisconsin	10,106	9,992	461	9,531	5,092	4,439	377	1,127	139
West North Central	65,085	58,484	8,489	49,995	36,724	13,271	5,730	6,586	1,362
Minnesota	[8] 11,371	[8] 11,208	613	10,595	7,906	2,689	534	962	131
Iowa	8,876	7,910	340	7,570	3,257	4,313	284	454	109
Missouri	[1] 12,462	[4] 8,082	211	7,871	4,072	3,799	2,154	722	206
North Dakota	7,617	7,603	1,687	5,916	5,878	38	981	743	310
South Dakota	6,003	5,989	975	5,014	4,798	216	343	648	61
Nebraska	9,774	9,179	2,301	6,878	6,090	788	760	819	268
Kansas	8,982	8,513	2,362	6,151	4,723	1,428	674	2,238	277
South Atlantic	168,932	54,705	11,227	43,478	27,222	16,256	2,991	2,479	811
Delaware	1,245	1,225	---------	1,225	349	876	142	157	98
Maryland	3,855	[4] 3,855	---------	3,855	1,761	2,094	[9] 110	[9] 125	[9] 87
Virginia	[1] 45,997	[4] 9,044	1,193	7,851	6,288	1,563	834	281	---------
West Virginia	[1] 33,819	4,514	607	3,907	1,786	2,121	163	479	83
North Carolina	[1] 57,696	10,330	884	9,446	5,598	3,848	588	692	125
South Carolina	5,998	5,998	469	5,529	3,155	2,374	396	161	83
Georgia	[8] 9,119	[8] 9,031	3,997	5,034	2,778	2,256	599	388	194
Florida	[8] 11,203	[8] 10,708	4,077	6,631	5,507	1,124	159	196	141
East South Central	27,343	24,959	3,800	21,159	15,090	6,069	1,455	2,373	827
Kentucky	[8] 7,538	[4] [8] 7,538	768	6,770	5,143	1,627	914	761	412
Tennessee	7,188	7,188	555	6,633	4,013	2,620	237	1,070	213
Alabama	[8] 6,497	[8] 6,253	2,305	3,948	2,783	1,165	[9] 113	[9] 288	[9] 78
Mississippi	[1] 6,120	3,980	172	3,808	3,151	657	191	254	124
West South Central	53,980	40,762	8,704	32,058	20,131	11,927	3,728	2,562	1,612
Arkansas	8,864	8,864	1,452	7,412	5,814	1,598	213	266	42
Louisiana	[1] 17,664	4,446	135	4,311	2,278	2,033	563	102	70
Oklahoma	7,440	7,440	1,439	6,001	3,479	2,522	957	641	636
Texas	20,012	[4] 20,012	5,678	14,334	8,560	5,774	1,995	1,553	864
Mountain	45,082	36,270	13,054	23,216	21,790	1,426	3,034	6,257	1,542
Montana	[1] [8] 5,442	[8] 5,145	1,293	3,852	3,765	87	751	1,172	293
Idaho	4,939	4,762	1,440	3,322	3,129	193	297	425	160
Wyoming	3,414	3,414	607	2,807	2,772	35	296	2,050	208
Colorado	[1] 9,328	3,559	626	2,933	2,445	488	347	634	103
New Mexico	10,338	10,185	6,751	3,434	3,326	108	435	886	416
Arizona	2,994	2,994	635	2,359	2,138	221	320	287	104
Utah	[1] 4,625	3,599	1,364	2,235	1,990	245	273	347	79
Nevada	[1] 4,002	2,612	338	2,274	2,225	49	315	456	179
Pacific	24,219	21,055	2,321	18,734	10,027	8,707	815	2,168	994
Washington	3,801	3,799	227	3,572	2,226	1,346	203	639	49
Oregon	[1] 6,795	4,625	586	4,039	2,477	1,562	238	279	6
California	13,623	12,631	1,508	11,123	5,324	5,799	374	1,250	939

[1] Includes secondary road systems under State control with a total mileage of 170,244 for the 14 States noted. The 1933 figures shown for the United States in table 406 and for States in the previous issue of this publication likewise include secondary State systems for Colorado, Louisiana, Mississippi, Missouri, Montana, Nevada, New Hampshire, and Utah but represent primary systems only for all other States.
[2] See note 1, table 406.
[3] Includes original and reconstructed surfacing.
[4] Includes urban extensions or connecting streets on State system not reported separately.
[5] Includes trunk-line and State-aid systems.
[6] Year ended May 15, 1933.
[7] 19 months ended Dec. 31, 1934.
[8] Change from 1933 due in part to resurvey, reclassification, or addition of local roads to State system.
[9] The 1933 figures are for year ended Sept. 30, 1933; 1934 figures are for 15 months ended Dec. 31, 1934.

Source: Bureau of Public Roads, Department of Agriculture.

No. 409.—DISBURSEMENTS FOR 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, transfers to local units, and miscellaneous disbursements. Data for 1934 cover the calendar year, while figures for earlier years for many States represent the fiscal year. For the States reporting on a fiscal year basis in 1933, the net total disbursements for interim and overlapping periods between 1933 and 1934 amounted to $124,428,000

Division and State	Year in which first State aid law passed	1921	1927	1928	1929	1930	1931	1932	1933	1934
		Thousands of dollars								
Cont'l U.S.	--------	397,484	707,179	830,265	910,485	1,139,677	1,091,009	955,446	782,006	991,774
New England	--------	25,910	51,735	60,878	73,425	76,418	74,095	79,341	58,896	82,708
Maine	1901	6,524	8,684	12,118	14,006	17,184	18,442	16,243	10,490	12,988
N. Hampshire	1903	2,360	3,565	5,553	[1] 7,713	9,640	8,489	7,112	7,471	9,113
Vermont	1898	951	4,080	5,762	12,516	9,013	6,999	6,177	5,511	5,905
Mass'setts	1892	7,864	18,380	16,478	20,180	21,926	28,324	29,596	18,289	33,204
Rhode Island	1902	2,213	4,242	4,548	5,412	3,367	6,188	4,768	5,347	5,081
Connecticut	1895	5,998	12,784	16,419	13,598	15,288	[2] 5,653	15,445	11,788	16,417
Middle Atlantic	--------	101,475	136,625	153,247	171,495	216,236	192,315	172,429	137,259	184,343
New York	1898	36,855	58,798	62,503	69,664	73,233	73,924	54,285	42,206	60,262
New Jersey	1891	15,608	27,763	32,479	41,397	47,414	52,860	49,197	28,377	31,612
Pennsylvania	1903	49,012	50,064	58,265	60,434	95,589	65,531	68,947	66,676	92,469
E. N. Central	--------	68,512	114,016	160,563	160,363	190,673	153,465	166,894	127,083	188,249
Ohio	1904	15,547	25,518	33,953	30,281	47,491	34,161	36,703	20,705	44,067
Indiana	1917	8,110	14,708	16,544	20,678	22,569	20,771	23,183	[3] 8,800	21,868
Illinois	1905	15,693	30,270	53,472	39,728	48,854	42,622	45,092	40,194	43,476
Michigan	1905	16,744	25,883	36,578	48,666	46,136	36,540	36,211	24,272	28,428
Wisconsin	1911	12,417	17,547	20,017	21,010	25,623	19,371	25,705	33,112	30,410
W. N. Central	--------	41,087	101,852	104,993	123,547	171,732	167,043	131,290	103,289	126,126
Minnesota	1905	7,480	17,837	18,412	23,366	39,365	36,578	36,959	17,079	22,796
Iowa	1904	18,276	24,077	37,255	36,084	50,607	36,827	23,738	18,122	23,586
Missouri	1907	4,727	25,996	18,981	28,321	43,921	42,841	37,335	34,503	31,650
North Dakota	1909	1,030	4,567	3,564	4,129	3,992	6,957	5,084	[4] 5,074	7,160
South Dakota	1911	4,738	4,862	5,893	6,168	5,915	12,674	5,413	4,509	6,818
Nebraska	1911	4,836	8,004	6,984	8,467	11,087	13,718	10,057	11,124	12,825
Kansas	1911	--------	16,509	13,904	17,012	16,845	17,448	12,704	12,878	21,291
South Atlantic	--------	51,181	133,328	121,189	113,712	139,904	154,397	123,176	104,379	133,014
Delaware	1903	3,765	3,480	3,377	5,208	8,492	4,426	3,386	4,138	4,460
Maryland	1898	7,616	[5] 10,598	10,668	13,617	17,992	16,152	15,950	13,788	18,787
Virginia	1906	7,114	14,714	14,448	14,214	19,189	22,022	17,640	20,669	21,688
West Virginia	1909	1,877	19,311	16,224	19,184	23,308	24,385	20,070	13,521	19,550
N. Carolina	1901	15,100	33,144	28,301	24,902	25,613	26,193	22,516	20,475	26,103
S. Carolina	1917	3,941	13,410	21,099	18,581	22,753	31,681	15,328	[2] 8,125	13,672
Georgia	1908	9,664	15,114	12,728	7,039	12,699	17,468	20,756	14,537	12,750
Florida	1915	2,103	23,557	14,343	10,967	9,858	12,070	7,530	9,126	16,004
E. S. Central	--------	16,621	44,734	60,329	68,942	92,737	86,158	57,533	51,828	62,126
Kentucky	1912	5,757	11,484	[6] 14,766	15,130	19,497	23,552	20,174	18,169	17,805
Tennessee	1915	6,328	16,003	19,172	29,741	53,278	41,209	25,405	15,357	18,472
Alabama	1911	1,036	10,756	20,110	19,317	15,373	14,523	7,195	10,711	15,716
Mississippi	1915	3,500	6,481	6,281	4,754	4,589	6,874	4,759	[7] 7,591	10,133
W. S. Central	--------	26,897	58,119	84,901	104,613	136,738	133,535	101,960	88,229	84,026
Arkansas	1913	--------	14,532	31,784	40,971	39,821	26,291	8,168	[4] 7,274	12,945
Louisiana	1910	5,347	10,753	11,157	17,143	29,357	50,033	38,852	25,781	16,139
Oklahoma	1911	4,775	12,816	13,251	11,969	20,228	15,047	12,144	14,524	14,772
Texas	1917	16,775	20,018	28,710	34,530	47,332	42,164	42,796	40,650	40,170
Mountain	--------	27,463	27,318	35,039	37,008	47,023	58,372	50,136	49,757	67,636
Montana	1913	3,640	1,541	3,863	4,488	6,378	7,173	8,502	7,480	12,984
Idaho	1905	4,863	3,847	5,413	3,365	6,637	7,717	6,592	5,193	6,593
Wyoming	1911	3,446	2,873	3,600	3,123	3,590	7,097	5,151	4,360	5,983
Colorado	1909	4,156	5,232	6,957	7,142	8,144	11,862	6,796	9,696	11,011
New Mexico	1909	3,713	5,089	6,603	6,675	9,138	8,762	5,718	7,605	10,219
Arizona	1909	2,948	2,608	2,443	4,873	5,233	7,242	7,041	5,491	7,503
Utah	1909	3,107	3,929	3,992	4,545	5,193	6,824	6,037	6,084	7,325
Nevada	1911	1,590	2,199	2,167	2,797	2,710	[8] 1,695	4,299	3,848	6,018
Pacific	--------	38,339	39,450	49,126	57,382	68,215	71,632	72,685	61,286	83,546
Washington	1905	9,696	8,628	13,893	15,702	15,806	17,681	19,494	11,032	21,241
Oregon	1913	17,828	10,263	10,268	11,328	14,668	17,136	13,188	12,660	15,116
California	1895	10,815	20,559	24,965	30,352	37,741	36,815	40,003	37,594	47,189

[1] Excludes expenditures of $2,462,000 for flood relief work.
[2] For 6 months ended June 30.
[3] For 9 months ended June 30.
[4] Owing to change in fiscal year, data include some disbursements reported also in 1932.
[5] Data are for 1926.
[6] For 9 months ended Mar. 31, 1929.
[7] For 11 months ended Dec. 25.
[8] For 7 months ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

No. 410.—FUNDS AVAILABLE AND DISTRIBUTION OF DISBURSEMENTS FOR STATE HIGHWAY PURPOSES, 1934

NOTE.—In thousands of dollars. Data for secondary roads under State control and urban extensions of State systems are included

Division and State	Funds available					Distribution of disbursements				
	Total	Motor-vehicle fees and motor-fuel taxes[1]	Federal aid receipts	Income from bonds, notes, and other loans	All other sources[2]	Total	Expenditures for highway purposes			Other disbursements[4]
							New and reconstructed roads and bridges	Maintenance roads and bridges	Other[3]	
Cont'l. U. S.	1,295,642	576,726	354,812	40,969	323,135	991,774	554,278	178,999	110,354	148,143
New England	100,327	54,354	15,291	8,786	21,896	82,708	34,627	14,407	4,779	28,895
Maine	15,227	7,460	2,324	253	5,190	12,988	5,090	3,956	1,524	2,418
N. Hampshire	9,319	5,040	2,047	900	1,332	9,113	3,742	2,837	717	1,817
Vermont	7,525	3,766	1,440	--------	2,319	5,905	1,955	628	363	2,959
Massachusetts	43,516	22,610	4,776	7,633	8,497	33,204	11,707	2,922	933	17,642
Rhode Island	7,988	4,033	1,325	--------	2,630	*5,081*	*2,797*	*1,103*	*483*	*698*
Connecticut	16,752	11,445	3,379	--------	1,928	16,417	9,336	2,961	759	3,361
Middle Atlantic	319,853	112,236	45,472	17,755	144,390	184,343	102,477	32,362	25,779	23,725
New York	123,971	20,589	20,927	17,755	64,700	60,262	43,228	7,192	7,269	2,573
New Jersey	82,672	32,815	6,671	--------	43,186	31,612	11,162	2,477	4,619	13,354
Pennsylvania	113,210	58,832	17,874	--------	36,504	92,469	48,087	22,693	13,891	7,798
E. N. Central	231,340	99,445	66,293	--------	65,602	168,249	92,051	34,272	16,464	25,462
Ohio	49,599	19,254	20,584	--------	9,761	44,067	26,402	11,997	2,396	3,272
Indiana	25,497	11,593	9,356	--------	4,548	21,868	15,971	4,617	1,205	75
Illinois	56,828	25,481	13,664	--------	17,683	43,476	24,392	4,180	9,851	5,053
Michigan	59,449	14,151	15,310	--------	29,988	28,428	15,290	8,934	2,647	1,557
Wisconsin	39,967	28,966	7,379	--------	3,622	30,410	9,996	4,544	365	15,505
W. N. Central	141,384	65,189	55,665	5,112	15,418	126,126	69,302	20,368	14,364	22,092
Minnesota	26,028	12,364	9,719	--------	3,945	22,796	9,614	5,510	2,190	5,482
Iowa	26,410	14,759	7,481	--------	4,170	23,586	10,597	2,463	5,202	5,324
Missouri	35,536	16,701	11,281	5,069	2,485	31,650	18,484	4,532	5,634	3,000
North Dakota	7,572	1,562	5,305	--------	705	7,160	4,980	1,280	84	816
South Dakota	7,557	2,275	4,582	--------	700	6,818	4,351	917	132	1,418
Nebraska	13,768	5,873	6,982	--------	913	12,825	8,712	3,001	240	872
Kansas	24,513	11,655	10,315	43	2,500	21,291	12,564	2,665	882	5,180
South Atlantic	165,970	91,410	38,778	5,794	29,988	133,014	60,054	32,333	18,121	22,506
Delaware	5,581	2,154	1,901	--------	1,526	4,460	2,786	370	716	588
Maryland	21,948	12,057	2,510	3,794	3,587	18,787	7,198	2,047	1,400	8,142
Virginia	22,479	16,802	7,485	--------	[5] *1,808*	*21,688*	*9,301*	*10,537*	*1,424*	*426*
West Virginia	23,746	11,176	3,314	2,000	7,256	19,550	5,517	5,500	4,960	3,573
N. Carolina	40,799	23,413	6,409	--------	10,977	26,103	7,974	7,213	5,223	5,693
S. Carolina	17,202	8,524	4,204	--------	4,474	13,672	4,533	1,404	3,660	4,075
Georgia	19,402	10,293	6,352	--------	2,757	12,750	11,283	1,221	246	--------
Florida	14,813	6,991	6,603	--------	1,219	16,004	11,462	4,041	492	9
E. S. Central	71,157	33,235	28,924	--------	8,998	62,126	38,941	9,456	9,564	4,165
Kentucky	16,949	11,490	6,485	--------	[5] *1,026*	17,805	12,452	3,343	1,765	245
Tennessee	26,072	10,791	7,396	--------	7,885	18,472	9,662	2,246	4,984	1,580
Alabama	17,739	7,274	8,462	--------	2,003	15,716	9,593	1,823	2,599	1,701
Mississippi	10,397	3,680	6,581	--------	136	10,133	7,234	2,044	216	639
W. S. Central	92,893	47,060	40,315	506	5,012	84,026	54,253	14,511	10,303	4,959
Arkansas	15,634	8,999	6,033	--------	602	12,945	6,033	1,622	3,761	1,529
Louisiana	16,715	10,739	4,182	506	1,288	16,139	6,185	1,951	4,573	3,430
Oklahoma	13,670	6,939	8,160	--------	[5] *1,429*	14,772	11,896	2,124	752	--------
Texas	46,874	20,383	21,940	--------	4,551	40,170	30,139	8,814	1,217	--------
Mountain	77,367	21,821	41,333	3,016	11,197	67,636	51,348	8,406	4,816	3,066
Montana	13,698	3,428	7,002	1,516	1,752	12,984	9,901	1,558	667	858
Idaho	7,520	2,992	3,814	--------	714	6,593	4,918	968	159	548
Wyoming	6,560	1,786	4,236	--------	538	5,983	4,849	627	337	170
Colorado	11,402	3,254	7,024	--------	1,124	11,011	8,607	1,330	806	268
New Mexico	11,069	3,094	5,716	1,500	759	10,219	6,643	950	1,603	1,023
Arizona	7,770	2,472	4,747	--------	551	7,503	6,092	971	421	19
Utah	13,123	3,536	4,010	--------	*5,577*	*7,325*	*5,186*	*1,435*	*704*	--------
Nevada	6,225	1,259	4,784	--------	182	6,018	5,152	567	119	180
Pacific	95,351	51,976	22,741	--------	20,634	83,546	51,225	12,884	6,164	13,273
Washington	22,451	14,306	5,341	--------	2,804	21,241	10,818	2,674	529	7,220
Oregon	17,101	9,662	6,024	--------	1,415	15,116	7,087	2,549	1,693	3,787
California	55,799	28,008	11,376	--------	16,415	47,189	33,320	7,661	3,942	2,266

[1] Includes motor-carrier taxes.
[2] Includes balance from previous year, transfers from local sources, and miscellaneous revenue.
[3] Includes net expenditures for equipment, interest on bonds and notes, and miscellaneous expenses. In a large number of States equipment costs are charged to construction and maintenance, generally through a system of rentals, and in these cases only the net figure in the equipment account is included.
[4] Principal payments on bonds and notes, transfers to local units, and miscellaneous disbursements.
[5] Deficit from previous year.

Source: Bureau of Public Roads, Department of Agriculture.

No. 411.—FEDERAL AID AND EMERGENCY ROAD CONSTRUCTION: STATUS AS OF DEC. 31, 1935

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

Division and State	Federal-aid road construction						Emergency road construction [1]					
	Mileage completed prior to Jan. 1, 1936 [2]	Projects under construction [3]			Federal-aid allotted to emergency projects	Federal-aid funds available for new projects	Total allotment of emergency funds	Mileage completed prior to Jan. 1, 1936	Projects under construction [4]			Emergency funds available for new projects
		Total cost	Federal aid allotted	Mileage					Total cost	Emergency funds allotted	Mileage	
Grand total [5]	121,445	66,111	34,416	3,116	2,843	65,543	789,000	32,636	108,877	102,524	4,906	122,916
New England	3,363	3,403	1,696	119	52	3,549	37,274	660	5,319	5,286	72	7,659
Maine	892	1,597	799	50	------	185	6,758	185	965	965	41	537
New Hampshire	465	697	342	18	------	206	3,825	77	197	196	7	704
Vermont	426	1,109	555	51	------	16	3,740	138	245	230	7	479
Massachusetts	938	------	------	------	52	1,742	13,210	103	3,374	3,374	12	3,598
Rhode Island	299	------	------	------	------	609	4,002	88	179	177	1	805
Connecticut	343	------	------	------	------	791	5,739	69	359	344	4	1,536
Middle Atlantic	8,362	11,452	5,712	201	76	3,639	95,231	1,858	12,105	10,703	170	17,588
New York	4,030	7,023	3,498	131	32	1,350	44,704	788	7,121	6,122	65	6,183
New Jersey	693	1,286	643	23	13	17	12,697	76	3,086	2,769	19	2,075
Pennsylvania	3,639	3,143	1,571	47	31	2,272	37,830	994	1,898	1,812	86	9,330
East North Central	15,301	10,821	5,251	357	98	8,875	131,255	2,934	23,465	22,904	804	15,884
Ohio	3,296	450	225	5	98	2,999	31,020	743	3,157	2,960	40	5,817
Indiana	2,440	3,192	1,551	99	------	401	20,008	363	4,125	4,089	158	2,450
Illinois	3,787	2,947	1,375	69	------	2,286	35,186	553	7,871	7,871	212	4,353
Michigan	2,771	3,201	1,598	131	------	1,091	25,490	670	6,736	6,678	324	342
Wisconsin	3,007	1,031	502	53	------	2,098	19,491	605	1,576	1,306	70	2,922
West North Central	31,985	10,691	5,038	654	174	10,942	125,405	9,707	14,731	14,163	1,194	20,309
Minnesota	4,608	2,559	1,063	142	------	1,821	21,359	1,656	1,488	1,382	91	3,655
Iowa	3,853	3,886	1,831	203	------	377	20,166	1,212	1,035	980	56	3,936
Missouri	3,659	2,615	1,308	105	49	1,445	24,367	1,330	5,587	5,474	373	2,914
North Dakota	6,126	------	------	------	125	1,960	11,611	1,959	1,088	1,029	166	3,207
South Dakota	4,793	517	283	35	------	1,716	12,036	1,493	874	874	183	2,387
Nebraska	4,641	739	370	73	------	1,714	15,664	992	1,580	1,345	123	1,745
Kansas	4,305	365	183	96	------	1,909	20,202	1,065	3,079	3,079	202	2,465
South Atlantic	14,210	2,971	1,486	282	336	11,590	99,130	3,730	11,255	10,993	934	22,271
Delaware	421	------	------	------	------	400	3,643	129	42	42	------	501
Maryland	915	------	------	------	------	1,026	7,125	114	1,168	1,156	33	2,272
Dist. of Col	------	------	------	------	------	------	3,842	20	604	604	6	266
Virginia	2,230	54	27	2	68	1,639	14,835	570	1,281	1,268	454	2,611
West Virginia	1,056	494	247	29	11	1,037	8,986	183	1,836	1,784	67	1,903
North Carolina	2,942	1,091	546	184	12	2,355	19,083	1,322	1,471	1,454	70	3,717
South Carolina	2,289	------	------	------	6	1,693	10,932	458	2,158	2,120	185	2,785
Georgia	3,534	596	298	37	149	2,231	20,194	659	1,571	1,523	77	6,562
Florida	823	736	368	30	90	1,209	10,490	275	1,124	1,042	42	1,594
East South Central	8,896	2,830	1,395	171	1,518	7,454	62,807	2,439	9,912	9,223	471	8,428
Kentucky	2,214	1,996	978	130	18	688	15,062	739	1,994	1,879	136	1,714
Tennessee	1,925	834	417	41	14	1,965	16,988	453	1,830	1,733	48	3,605
Alabama	2,586	------	------	------	451	2,604	16,781	683	2,563	2,406	104	1,427
Mississippi	2,171	------	------	------	1,035	2,197	13,976	564	3,525	3,205	183	1,682
West South Central	15,904	8,767	4,282	418	322	8,940	92,219	4,077	13,873	13,469	636	12,410
Arkansas	2,258	------	------	------	118	2,143	13,528	530	1,764	1,760	122	1,731
Louisiana	1,678	1,376	681	32	42	698	11,683	195	2,357	2,315	55	1,901
Oklahoma	2,804	2,267	1,091	87	150	1,984	18,483	753	1,746	1,744	64	2,707
Texas	9,164	5,124	2,510	299	12	4,115	48,525	2,599	8,006	7,650	395	6,071
Mountain	17,283	9,054	6,009	751	130	5,975	86,152	5,702	8,875	8,519	484	11,944
Montana	3,735	1,072	600	95	------	1,521	14,886	1,001	1,521	1,521	76	1,301
Idaho	1,844	1,011	596	98	------	727	8,986	489	1,112	1,096	45	1,408
Wyoming	2,598	1,860	1,146	175	30	13	9,008	988	747	720	66	1,269
Colorado	2,021	1,081	605	46	------	1,179	13,756	637	682	681	49	2,336
New Mexico	2,535	1,153	701	103	------	757	11,606	748	997	997	73	2,160
Arizona	1,459	1,489	1,231	91	------	230	10,424	523	1,670	1,539	82	1,135
Utah	1,492	505	365	47	100	823	8,395	580	978	838	40	1,350
Nevada	1,599	883	765	96	------	725	9,091	736	1,168	1,127	53	935
Pacific	5,992	6,119	3,548	166	------	4,085	55,778	1,498	7,934	6,026	125	5,442
Washington	1,469	946	499	40	------	664	12,248	300	1,597	1,536	42	1,152
Oregon	1,814	2,181	1,323	87	------	572	12,243	461	1,255	1,183	29	1,411
California	2,709	2,992	1,726	39	------	2,849	31,287	737	5,082	3,307	54	2,879
Hawaii	152	------	------	------	138	492	3,747	32	1,408	1,235	19	977

[1] As provided by the National Industrial Recovery Act, by the act of June 18, 1934, and by the Emergency Relief Appropriation Act of 1935. The act of 1935 also provided $196,000,000 (excluding administrative funds) for grade-crossing projects, data for which are not included in this table.

[2] Includes new and reconstructed mileage.

[3] Projects approved for construction: 1,415 miles, estimated cost, $38,410,000; Federal aid allotted, $19,235,000.

[4] Projects approved for construction: 4,488 miles; emergency funds allotted, $59,678,000.

[5] Includes Hawaii.

Source: Bureau of Public Roads, Department of Agriculture.

No. 412.—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 [3]	Total	Passenger cars	Motor trucks [3]			
1900 [4]	4	4	----------	4,899	4,899	----------	8	----------	----------
1905	25	25	(5)	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 [4]	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 [4]	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	1,627	359	987,436	795,305	192,132	23,844	20,616	3,227
1934	2,870	2,271	599	1,537,290	1,204,376	332,914	24,961	21,546	3,415
1935	4,120	3,388	732	2,187,847	1,788,635	399,212	26,221	22,565	3,656

[1] See headnote.
[2] Road tractors are not included prior to 1924.
[3] A substantial part of the trucks reported comprises chassis without body; hence the value of bodies for these chassis is not included.
[4] Production data are from United States Census Reports and in 1900 are for fiscal year ended June 30.
[5] Less than 500.

Sources: Automobile Manufacturers Association and Bureau of Public Roads.

No. 413.—FACTORY SALES OF PASSENGER CARS (UNITED STATES AND CANADA) BY WHOLESALE PRICE CLASSES, AND PERCENTAGE OF CLOSED CARS

NOTE.—For index numbers of retail sales of new passenger cars see table 819, p. 802

Year	Number sold								Percentage of closed cars
	Total	$500 and under	$501 to $750	$751 to $1,000	$1,001 to $1,500	$1,501 to $2,000	$2,001 to $3,000	Over $3,000	
1925	3,870,744	2,019,708	660,520	545,981	462,243	103,119	54,814	24,359	56.5
1926	3,948,843	1,633,775	1,149,301	500,508	476,675	94,915	73,738	19,931	72.0
1927	3,083,360	1,039,216	957,987	446,663	466,902	107,425	50,064	15,103	84.9
1928	4,012,158	1,698,603	1,219,266	462,452	456,117	108,448	55,304	11,968	88.5
1929	4,794,898	2,585,414	1,317,116	387,835	347,340	98,086	47,587	11,520	89.4
1930	2,910,187	1,754,747	680,352	204,450	179,180	55,351	27,266	8,841	90.4
1931	2,038,183	1,328,294	413,929	162,954	80,687	33,846	12,714	5,759	92.9
1932	1,186,185	794,164	260,831	74,610	36,670	8,699	8,679	2,532	96.0
1933	1,627,361	1,316,341	237,099	32,610	20,125	10,409	8,725	2,052	98.5
1934	2,270,566	1,443,357	715,989	66,223	27,576	8,391	6,879	2,151	98.8
1935	3,387,806	1,787,171	1,444,529	110,813	28,736	8,716	5,413	2,428	99.5

Source: Automobile Manufacturers Association.

No. 414.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES [1]

Month	1928	1929	1930	1931	1932	1933	1934	1935	1936
	Passenger cars								
Total	3,815,417	4,587,400	2,784,745	1,973,090	1,135,491	1,573,512	2,177,919	3,252,244	--------
January	205,539	347,609	233,815	138,317	98,803	109,833	112,754	227,554	298,274
February	291,005	406,171	280,016	180,419	94,110	90,128	186,774	273,576	224,816
March	371,283	513,656	330,922	231,244	99,399	97,469	279,274	359,410	343,523
April	364,261	537,564	372,932	286,917	120,937	149,755	288,355	387,158	417,133
May	374,680	516,181	361,368	271,475	157,756	180,651	273,764	305,547	385,507
June	355,685	452,749	285,936	210,396	160,338	207,597	261,280	294,182	375,894
July	337,560	425,998	222,205	184,173	94,705	191,265	223,094	274,344	--------
August	398,722	441,820	183,918	155,425	75,907	191,414	183,500	181,130	--------
September	357,704	364,336	176,426	109,228	64,748	157,376	125,040	56,097	--------
October	338,883	319,330	113,808	58,415	35,107	104,870	84,003	213,310	--------
November	215,742	169,492	101,141	49,184	47,532	42,365	49,020	336,914	--------
December	204,353	92,494	122,258	97,897	86,149	50,789	111,061	343,022	--------
	Motor trucks and busses								
Total	543,342	771,020	571,241	416,648	235,187	346,545	575,192	694,690	--------
January	26,189	53,428	39,406	33,531	20,541	18,992	42,912	62,174	65,730
February	32,791	60,247	50,398	39,521	23,308	15,319	48,482	58,655	62,790
March	42,031	71,799	65,466	45,161	19,560	17,803	59,160	66,505	77,448
April	45,843	84,346	71,092	50,022	27,389	26,677	64,620	65,778	85,642
May	51,103	88,510	58,659	45,688	26,539	33,760	56,691	55,560	75,058
June	41,111	93,183	48,570	40,244	22,768	42,130	45,197	62,158	77,061
July	54,526	44,842	43,328	34,317	14,438	38,092	41,839	57,765	--------
August	62,576	56,808	40,450	31,772	14,418	41,441	51,311	56,270	--------
September	57,610	51,576	44,223	31,338	19,402	34,424	44,967	31,443	--------
October	58,401	60,687	40,593	21,727	13,595	29,813	47,988	58,733	--------
November	41,398	48,081	35,613	19,683	12,025	18,318	34,462	58,145	--------
December	29,763	27,513	33,443	23,644	21,204	29,776	42,563	61,506	--------

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

No. 415.—STATE GASOLINE TAXES

NOTE.—In a majority of States all the proceeds of these taxes and in all but a few of the others the great bulk of the proceeds are applied to road purposes

State	Total earnings (tax and other receipts) in thousands of dollars			Tax in cents per gallon on Dec. 31—		State	Total earnings (tax and other receipts) in thousands of dollars			Tax in cents per gallon on Dec. 31—	
	1933	1934	1935	1934	1935		1933	1934	1935	1934	1935
Total	519,403	566,642	619,777	[1]4	[1]4	Montana	2,751	3,664	3,845	5	5
						Nebraska	7,706	8,656	9,809	4	5
Alabama	8,033	9,299	10,313	6	6	Nevada	696	894	962	4	4
Arizona	2,679	3,029	3,279	5	5	New Hampshire	2,350	2,746	2,868	4	4
Arkansas	5,998	7,864	8,262	6½	6½	New Jersey	16,471	17,098	18,205	3	3
California	35,217	35,970	39,984	3	3	New Mexico	2,282	2,575	2,878	5	5
Colorado	5,325	6,475	6,010	4	4	New York	43,393	43,985	56,311	3	4
Connecticut	4,857	4,973	5,672	2	3	North Carolina	14,773	17,191	19,147	6	6
Delaware	1,130	1,185	1,452	3	4	North Dakota	1,925	2,262	2,323	3	3
Dist. of Col	2,082	2,063	2,197	2	2	Ohio	33,940	37,618	39,169	4	4
Florida	14,293	16,534	17,897	7	7	Oklahoma	10,079	10,821	11,877	4	4
Georgia	12,635	14,366	15,772	6	6	Oregon	6,344	7,252	7,943	5	5
Idaho	2,283	2,872	3,124	5	5	Pennsylvania	31,059	33,413	40,709	3	4
Illinois	27,833	29,131	30,385	3	3	Rhode Island	1,885	2,060	2,106	2	2
Indiana	16,289	17,570	19,262	4	4	South Carolina	6,679	7,719	8,584	6	6
Iowa	9,372	11,255	11,549	3	3	South Dakota	3,346	3,765	4,315	4	4
Kansas	7,771	8,634	8,961	3	3	Tennessee	12,980	14,114	14,966	7	7
Kentucky	8,316	9,221	9,836	5	5	Texas	28,479	31,751	33,606	4	4
Louisiana	8,155	8,923	9,417	5	5	Utah	2,190	2,515	2,714	4	4
Maine	4,127	4,486	4,573	4	4	Vermont	1,766	1,942	2,049	4	4
Maryland	7,208	7,809	8,278	4	4	Virginia	11,082	12,477	13,341	5	5
Massachusetts	16,377	17,002	17,334	3	3	Washington	10,863	11,959	12,568	5	5
Michigan	19,485	20,984	22,791	3	3	West Virginia	4,928	5,704	6,103	4	4
Minnesota	10,214	10,943	11,362	3	3	Wisconsin	15,169	15,399	16,250	4	4
Mississippi	6,101	7,025	7,512	6	6	Wyoming	1,405	1,768	1,932	4	4
Missouri	9,081	9,681	9,845	2	2						

[1] Weighted average rate for the year.

Sources: Table 414, Bureau of the Census, Department of Commerce; table 415, Bureau of Public Roads, Department of Agriculture.

No. 416.—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, in most cases, those official cars which are exempt (or partially exempt) from paying regular registration fees to the States. Road tractors are included beginning with 1925

Division and State	1913	1915	1920	1925	1930	1934	1935
Continental U. S.	1,258,062	2,445,666	9,231,941	19,937,274	26,545,281	24,960,973	26,221,052
New England	121,327	206,609	573,321	1,290,151	1,698,619	1,651,978	1,689,356
Maine	11,022	21,545	62,907	140,499	186,157	178,995	181,165
New Hampshire	8,237	13,449	34,680	81,498	112,183	113,134	117,154
Vermont	5,913	11,499	31,625	69,576	86,624	77,921	[1] 81,513
Massachusetts	62,660	102,633	274,498	646,153	846,206	785,392	785,090
Rhode Island	10,295	16,362	50,477	101,756	136,423	142,394	148,597
Connecticut	23,200	41,121	119,134	250,669	331,026	354,142	[2] 375,837
Middle Atlantic	266,033	497,227	1,474,106	3,536,570	4,914,101	4,819,529	4,964,655
New York	134,495	255,242	676,205	1,625,583	2,307,730	2,273,686	2,330,962
New Jersey	51,360	81,848	227,737	580,554	852,850	864,641	888,292
Pennsylvania	80,178	160,137	570,164	1,330,433	1,753,521	1,681,202	1,745,401
East North Central	314,524	653,665	2,229,396	4,918,383	6,384,157	5,731,089	6,081,986
Ohio	86,156	181,332	621,390	1,346,400	1,759,363	1,613,265	[1] 1,712,051
Indiana	45,000	96,915	333,067	725,410	875,763	803,271	850,650
Illinois	94,656	180,832	568,924	1,203,177	1,638,260	1,456,241	1,525,817
Michigan	54,366	114,845	412,717	989,010	1,328,209	1,148,953	1,239,431
Wisconsin	34,346	79,741	293,298	594,386	782,562	709,359	754,037
West North Central	232,044	499,992	1,732,946	2,941,814	3,681,901	3,365,399	3,495,161
Minnesota	46,000	93,269	324,166	569,694	732,972	697,672	726,993
Iowa	70,299	145,109	437,378	659,202	778,386	666,440	699,016
Missouri	38,140	76,462	297,008	604,166	761,600	739,813	766,369
North Dakota	15,187	24,908	90,840	144,972	183,019	1 6,203	164,217
South Dakota	14,457	28,724	120,395	168,028	205,172	169,975	179,271
Nebraska	13,411	59,000	219,000	338,719	426,229	406,632	406,189
Kansas	34,550	72,520	294,159	457,033	594,523	528,664	553,106
South Atlantic	77,823	150,594	806,053	1,920,982	2,517,673	2,501,623	2,643,185
Delaware	2,440	5,052	18,300	40,140	56,109	54,215	56,560
Maryland	14,217	31,047	102,841	234,247	321,702	332,892	345,578
District of Columbia	4,000	8,009	34,161	103,092	156,676	163,070	171,464
Virginia	9,022	21,357	115,470	282,650	375,889	[3] 373,908	[3] 385,555
West Virginia	5,144	13,279	80,664	217,589	266,273	223,155	241,617
North Carolina	10,000	21,000	140,860	[4] 340,287	453,241	439,351	456,152
South Carolina	10,000	15,000	93,843	168,496	218,402	[5] 202,834	[5] 235,919
Georgia	[6] 20,000	25,000	146,000	248,093	341,580	376,903	[7] 394,096
Florida	[6] 3,000	[6] 10,850	73,914	286,388	327,801	335,205	356,244
East South Central	26,360	48,421	357,658	878,115	1,213,501	1,069,156	1,128,539
Kentucky	7,210	19,500	112,683	261,647	331,002	332,177	347,676
Tennessee	[8] 10,000	[9] 7,618	101,852	244,626	368,259	336,313	351,898
Alabama	5,300	11,634	74,637	194,580	277,146	[10] 225,732	[10] 242,676
Mississippi	3,850	9,669	68,486	177,262	237,094	174,934	186,289
West South Central	48,583	84,433	772,655	1,790,017	2,411,714	2,231,542	2,360,458
Arkansas	3,583	8,021	59,082	183,589	220,204	198,091	207,429
Louisiana	[8] 10,000	11,380	73,000	207,000	275,283	244,007	268,824
Oklahoma	[6] 3,000	25,032	212,880	424,345	550,331	477,292	502,101
Texas	[8] 32,000	[8] 40,000	427,693	975,083	1,365,896	[11] 1,312,152	[3] 1,382,104
Mountain	33,215	78,520	374,473	675,706	962,572	890,062	958,997
Montana	5,916	14,540	60,650	94,656	135,168	128,336	149,712
Idaho	2,113	7,071	50,861	81,506	119,077	108,863	118,266
Wyoming	1,584	3,976	23,926	47,711	61,501	64,990	69,998
Colorado	13,000	28,894	129,255	240,097	308,509	274,231	284,578
New Mexico	1,898	5,100	22,100	49,111	84,150	82,900	92,457
Arizona	3,613	7,753	34,601	68,029	110,525	96,586	103,122
Utah	4,000	9,177	42,616	73,427	113,997	101,926	106,006
Nevada	1,091	2,009	10,464	21,169	29,645	32,230	34,858
Pacific	138,153	226,205	861,333	1,985,536	2,761,043	2,700,595	2,898,715
Washington	24,178	38,823	173,920	328,442	446,062	422,238	453,660
Oregon	13,975	23,585	103,790	216,553	[12] 273,625	272,102	293,554
California	[8] 100,000	163,797	583,623	1,440,541	2,041,356	2,006,255	2,151,501

[1] For 15 months ended Mar. 31, 1936.
[2] For 14 months ended Feb. 29, 1936.
[3] For registration year ended Mar. 31, following year specified.
[4] For 6 months ended Dec. 31.
[5] For registration year ended Oct. 31.
[6] Registrations incomplete.
[7] For registration year ended Jan. 31, 1936.
[8] Estimated.
[9] Cars registered during 1915 only; total, approximately 26,000.
[10] For registration year ended Sept. 30.
[11] For 15 months ended Mar. 31, 1935.
[12] For registration year ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

No. 417.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1935

Division and State	Number of motor cars: Total	Number of motor cars: Individually and commercially owned, registered: Passenger cars, busses, and taxis	Number of motor cars: Individually and commercially owned, registered: Trucks and road tractors	Number of motor cars: Publicly owned vehicles, State, county, municipal [1]	Trailers, registered	Motorcycles, registered and official combined	Receipts from motor-vehicle administration: Total receipts [2]	Receipts from motor-vehicle administration: Registration motor cars
							Thousands of dollars	
Continental U. S.	[3] 26,408,048	22,565,347	3,655,705	190,796	733,414	98,401	322,777	274,546
New England	1,699,445	1,437,720	251,836	11,389	16,773	7,132	24,348	17,986
Maine	183,102	143,086	[4] 38,079	1,937	[4] 8,464	1,068	3,270	2,527
New Hampshire	117,506	[5] 93,699	[5] 23,455	352	3,173	1,082	1,650	1,198
Vermont [6]	81,513	[7 8] 72,482	[7] 9,031	(8)	1,321	575	2,300	1,961
Massachusetts	[9] 788,590	[9] 684,679	100,411	[9] 4,800	507	1,379	6,320	3,854
Rhode Island	149,708	130,169	18,428	1,111	216	810	2,416	1,921
Connecticut [10]	379,026	313,605	62,232	3,189	3,092	2,218	8,392	6,525
Middle Atlantic	4,997,696	4,303,844	660,811	33,041	47,614	27,090	92,237	73,583
New York	2,354,842	2,024,043	306,919	[11] 23,880	23,451	11,475	43,453	38,149
New Jersey	897,453	763,426	124,866	9,161	4,431	5,500	16,629	11,766
Pennsylvania	1,745,401	[8] 1,516,375	229,026	(8)	19,732	10,115	32,155	23,668
East North Central	6,112,237	5,335,361	746,625	30,251	263,253	21,692	78,006	69,296
Ohio [6]	1,727,457	[5] 1,541,097	[5] 170,954	15,406	95,216	7,433	22,153	20,091
Indiana	850,650	[8] 717,883	132,767	(8)	43,013	3,107	8,285	6,465
Illinois	1,533,747	[5] 1,340,340	[5] 185,477	7,930	14,439	5,291	19,076	17,427
Michigan	1,239,431	[5 8] 1,112,148	[5] 127,283	(8)	102,975	3,024	17,595	14,815
Wisconsin	760,952	623,893	130,144	6,915	7,610	2,837	10,897	10,498
West North Central	3,505,942	2,998,119	497,042	10,781	134,343	7,704	33,695	31,406
Minnesota	727,815	621,132	105,861	[12] 822	24,260	1,823	7,175	6,790
Iowa	703,494	618,487	80,529	[11] 4,478	[13] 50,244	2,008	9,922	9,498
Missouri	768,386	650,550	115,819	2,017	22,550	1,615	8,351	7,369
North Dakota	164,753	135,437	28,780	536	215	242	1,381	1,306
South Dakota	180,344	152,340	26,931	1,073	12,568	340	1,371	1,310
Nebraska	408,044	347,135	59,054	1,855	20,461	998	1,999	1,826
Kansas	553,106	[5 8] 473,038	[5] 80,068	(8)	4,045	678	3,496	3,307
South Atlantic	2,670,264	2,266,704	376,481	29,579	65,100	9,969	30,349	25,677
Delaware	57,472	[5] 46,868	[5] 9,692	912	1,863	337	1,012	762
Maryland	[14] 345,578	[14] 297,050	48,528	[14] 2,500	1,750	1,435	4,100	2,886
Dist. of Columbia	173,466	153,854	17,610	2,002	1,377	804	905	176
Virginia	390,777	325,179	60,376	5,222	3,694	2,017	5,151	4,574
West Virginia	245,897	212,312	29,305	4,280	2,189	1,136	4,515	3,584
North Carolina	466,013	398,221	57,931	9,861	20,389	1,426	6,614	6,451
South Carolina	235,919	[8] 206,158	29,761	(8)	2,759	762	1,849	1,550
Georgia	394,096	[8] 328,017	66,079	(8)	10,823	952	1,248	1,179
Florida	361,046	299,045	57,199	4,802	11,256	1,100	4,955	4,515
East South Central	1,141,133	970,600	157,939	12,594	7,231	3,039	12,434	11,739
Kentucky	352,902	304,063	[4] 43,613	5,226	(4)	912	3,507	3,030
Tennessee	358,148	309,867	42,031	6,250	836	1,261	3,658	[15] 3,490
Alabama	243,794	203,687	38,980	1,118	5,586	694	3,528	[15] 3,512
Mississippi	186,289	[8] 152,983	33,306	(8)	809	172	1,741	[15] 1,707
West South Central	2,384,565	1,921,043	439,415	24,107	63,308	5,889	25,738	23,528
Arkansas	208,771	167,322	40,107	1,342	9,398	426	2,526	2,153
Louisiana	273,409	209,426	59,398	4,585	9,196	786	3,563	3,168
Oklahoma	507,029	419,246	82,855	4,928	6,452	968	3,861	3,283
Texas	1,395,356	1,125,049	257,055	13,252	38,262	3,709	15,788	14,924
Mountain	986,831	798,390	180,607	7,834	29,225	3,097	9,131	7,909
Montana	151,299	[5] 114,170	[5] 35,542	1,587	2,256	380	1,271	1,178
Idaho	119,447	96,895	21,371	1,181	12,925	413	1,880	1,727
Wyoming	70,598	55,405	14,593	600	7,279	195	483	448
Colorado	284,578	[8] 256,148	28,430	(8)	968	901	2,207	1,681
New Mexico	93,435	74,212	18,245	978	889	263	1,109	1,022
Arizona	105,000	85,158	17,964	1,878	2,835	388	848	653
Utah	107,040	88,419	17,587	1,034	1,226	439	1,071	958
Nevada	35,434	27,983	6,875	576	847	118	262	242
Pacific	2,929,935	2,533,566	365,149	31,220	106,567	12,789	16,840	13,422
Washington	460,368	385,003	68,657	6,708	7,776	1,640	3,515	2,599
Oregon	297,525	250,970	42,584	3,971	3,558	1,393	2,762	2,154
California	2,172,042	[5] 1,897,593	[5] 253,908	20,541	95,233	9,756	10,563	8,669

[1] Not including Federal vehicles except as noted; such data were included in previous years.
[2] Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes and special taxes on motor carriers.
[3] Excluding 3,800 publicly owned vehicles reported also with registered vehicles.
[4] Some trailers included with trucks. [5] Busses included with trucks. [6] For 15 months ended Mar. 31, 1936.
[7] Some trucks included with passenger cars. [8] Publicly owned vehicles included with registered vehicles.
[9] 1,300 publicly owned vehicles included also with registered vehicles; total adjusted for duplication.
[10] For 13 months ended Feb. 29, 1936. [11] Includes Federal vehicles.
[12] Registration required every 3 years; these are 1935 registrations only.
[13] Includes 46,250 light trailers licensed without charge; such data were also included in 1934, but not previously.
[14] Publicly owned vehicles included also with registered vehicles; total adjusted for duplication.
[15] Trailer and motorcycle fees included, and also dealers' licenses for Tennessee and Alabama.

Source: Bureau of Public Roads, Department of Agriculture.

No. 418.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motorcycles, but exclude deaths from collisions of automobiles with railroad trains and street cars. Population figures shown for 1930 to 1933 and used in computing rates for those years are unrevised estimates

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	25,360,499	113.1
1931	119,421,000	30,042	25.2	118,157,000	29,658	25.1	24,705,328	120.0
1932	120,122,200	26,350	21.9	118,858,000	26,033	21.9	23,085,036	112.8
1933 [1]	125,693,000	29,323	23.3	125,693,000	29,323	23.3	24,073,328	121.8
1934 [1]	126,626,000	33,980	26.8	126,626,000	33,980	26.8	25,191,359	134.9

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
1933 [1]	65,411,700	13,267	20.3	60,281,300	16,056	26.6	(1)	(1)	(1)
1934 [1]	(2)	15,712	(2)	(2)	18,268	(2)	(1)	(1)	(1)

[1] All States included in the registration area.
[2] Not available.

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

No. 419.—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 74 for percent of total population included in the registration area for each year prior to 1933; in 1933 and 1934 the entire population is included. See also third paragraph of general note, p. 80, regarding population estimates used in computing rates

State	Number of deaths						Rate per 100,000 estimated population					
	1921–1925, avg.	1926–1930, avg.	1931	1932	1933	1934	1921–1925, avg.	1926–1930, avg.	1931	1932	1933	1934
Registration area in continental United States	13,869	23,988	30,042	26,350	29,323	33,980	14.3	21.3	25.2	21.9	23.3	26.8
Registration States [1]	13,579	23,579	29,658	26,033	29,323	33,980	14.3	21.3	25.1	21.9	23.3	26.8
Cities [1]	8,624	13,622	16,956	14,729	16,056	18,268	19.1	26.3	29.3	25.5	26.6	------
Rural	4,955	9,957	12,702	11,304	13,267	15,712	9.9	16.9	21.1	18.5	20.3	------
Cities in nonregistration States	290	409	384	317	------	------	18.8	27.4	30.4	25.1	------	------
All registration cities [1]	8,914	14,031	17,340	15,046	16,056	18,268	19.1	26.3	29.3	25.5	26.6	------
REGISTRATION STATES												
Alabama	[2] 252	392	472	405	485	498	[2] 10.0	15.1	17.7	15.1	18.0	17.8
Arizona	(3)	143	149	162	147	205	(3)	34.2	33.6	36.2	32.5	53.1
Arkansas	(3)	[4] 242	313	260	280	350	(3)	[4] 13.1	16.8	13.9	15.0	17.7
California	1,131	1,828	2,367	2,198	2,233	2,625	27.0	34.5	40.5	37.0	36.8	40.6
Colorado	148	232	319	284	298	328	15.2	22.8	30.6	27.1	28.3	31.0
Connecticut	260	376	457	409	452	464	17.8	24.0	28.1	25.0	27.5	27.3
Delaware	36	64	76	79	84	81	15.8	27.1	31.7	32.9	34.9	32.0
Florida	217	479	518	485	494	604	19.0	34.6	34.4	31.7	31.8	38.1
Georgia	[5] 260	[6] 519	608	541	651	777	[5] 9.0	[6] 17.8	20.9	18.6	22.4	23.7
Idaho	[7] 46	87	88	86	117	150	[7] 10.5	19.7	19.7	19.2	26.2	31.7
Illinois	1,051	1,645	2,049	1,831	1,943	2,288	15.3	22.1	26.5	23.6	24.8	29.4
Indiana	399	772	1,023	845	979	1,144	13.1	24.2	31.4	25.8	29.7	33.7
Iowa	[8] 241	376	564	422	514	531	[8] 9.9	15.3	22.8	17.0	20.7	21.0
Kansas	193	322	402	386	482	481	10.7	17.3	21.3	20.4	25.4	26.1
Kentucky	167	357	514	441	504	630	6.7	13.8	19.5	16.7	19.0	22.4
Louisiana	162	332	412	341	395	461	8.5	16.2	19.4	15.9	18.3	21.8
Maine	83	127	159	149	190	201	10.7	16.0	19.9	18.6	23.7	24.0
Maryland	232	363	466	410	429	488	15.3	22.7	28.3	24.8	25.8	29.3
Massachusetts	609	732	813	777	801	986	15.3	17.5	19.0	18.1	18.6	22.8
Michigan	714	1,284	1,407	1,143	1,196	1,416	17.5	27.7	28.5	22.9	23.7	30.3
Minnesota	306	439	622	486	525	624	12.5	17.3	24.1	18.8	20.2	23.8
Mississippi	96	265	284	234	283	401	5.1	13.4	14.0	11.5	13.8	20.4
Missouri	391	605	844	690	770	944	11.2	16.8	23.1	18.9	21.0	24.4
Montana	60	100	118	96	115	198	11.0	18.5	21.9	17.9	21.4	37.3
Nebraska	119	224	291	212	283	293	9.0	16.4	21.0	15.3	20.3	21.5
Nevada	(3)	[9] 40	63	59	63	69	(3)	[9] 44.2	68.5	63.4	67.7	70.4
New Hampshire	59	83	100	70	135	104	13.1	18.0	21.4	15.0	28.8	21.0
New Jersey	643	1,040	1,229	1,105	1,147	1,186	18.6	26.7	29.9	26.6	27.4	27.9
New Mexico	(3)	[9] 104	95	97	102	146	(3)	[9] 24.7	22.2	22.5	23.5	36.3
New York	1,889	2,628	3,077	2,813	2,784	2,903	17.0	21.5	24.1	21.9	21.5	22.6
North Carolina	254	555	650	558	725	874	9.2	18.1	20.2	17.2	22.1	25.9
North Dakota	[10] 52	78	110	57	101	118	[10] 7.8	11.6	16.1	8.3	14.7	16.9
Ohio	988	1,706	1,970	1,822	1,829	2,119	16.3	26.3	29.3	27.0	26.9	31.6
Oklahoma	(3)	[6] 433	404	437	485	584	(3)	[6] 18.3	16.7	17.9	19.7	23.5
Oregon	125	221	292	223	249	309	14.9	23.9	30.2	22.9	25.3	30.9
Pennsylvania	1,405	2,011	2,412	2,043	2,190	2,439	15.6	21.2	24.9	21.0	22.4	24.4
Rhode Island	104	136	116	101	97	103	16.4	20.2	16.7	14.5	13.8	15.1
South Carolina	123	288	380	329	342	470	7.2	16.7	21.8	18.9	19.6	23.9
South Dakota	(3)	[11] 112	116	101	115	119	(3)	[11] 16.1	16.6	14.4	16.4	17.6
Tennessee	195	409	547	474	540	672	8.0	15.9	20.7	17.9	20.3	23.5
Texas	(3)	(3)	(3)	(3)	1,292	1,579	(3)	(3)	(3)	(3)	21.5	26.2
Utah	68	109	157	115	135	178	14.5	21.9	30.7	22.3	26.1	34.6
Vermont	42	62	71	63	70	97	11.8	17.3	19.7	17.5	19.4	25.9
Virginia	198	413	656	561	592	747	8.4	13.0	27.0	23.0	24.3	28.7
Washington	236	397	461	413	442	596	16.5	26.0	29.2	26.0	27.6	36.7
West Virginia	[2] 208	305	427	332	382	416	[2] 13.0	18.1	24.4	18.9	21.5	23.1
Wisconsin	306	568	731	624	627	687	11.2	19.7	24.7	21.0	21.0	23.6
Wyoming	[7] 51	65	98	78	87	105	[7] 24.7	29.5	43.0	34.1	37.7	45.5
	1921–1925, avg.	1926–1930, avg.	1931	1932	1933	1934 [13]	1921–1925, avg.	1926–1930, avg.	1930	1931	1932	1933
REGISTRATION CITIES [12]												
Akron	39	82	77	80	85	88	18.0	34.3	39.1	29.3	30.3	32.
Albany	28	40	45	35	37	47	23.7	32.0	37.6	34.9	27.1	28.
Atlanta	53	76	95	99	105	108	23.5	29.2	32.0	34.2	35.7	37.
Baltimore	130	188	226	201	185	225	17.1	23.7	25.5	27.8	24.7	22.
Birmingham	46	63	82	75	80	74	22.3	25.6	26.8	30.4	27.9	29

For footnotes see following page.

No. 419.—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.	1931	1932	1933	1934[13]	1921–1925, avg.	1926–1930, avg.	1930	1931	1932	1933
Boston	132	138	148	151	143	166	17.4	17.8	15.3	18.8	19.2	18.2
Bridgeport	25	36	59	27	51	47	17.3	24.6	27.2	40.1	18.4	34.6
Buffalo	111	156	153	132	144	151	21.0	27.8	30.5	26.3	22.7	24.6
Chicago	597	795	953	846	882	952	20.4	24.4	24.8	27.6	24.5	25.3
Cincinnati	91	135	149	124	143	187	21.8	30.5	36.9	32.6	27.1	31.1
Cleveland	189	281	286	262	248	268	22.7	31.8	33.6	31.4	28.7	27.0
Columbus	54	99	121	99	109	120	21.1	35.0	46.3	40.9	33.5	36.4
Dallas	37	64	81	71	83	90	19.2	26.2	29.7	29.7	26.0	29.9
Dayton	28	61	75	58	70	80	16.6	31.7	35.2	36.7	28.3	33.9
Denver	44	63	86	86	97	106	16.5	22.3	27.7	29.5	29.5	33.1
Des Moines	[8] 19	33	43	45	43	45	[8] 14.2	23.6	32.2	29.8	31.1	29.6
Detroit	242	388	372	321	307	336	21.0	26.8	24.2	22.5	19.6	18.4
Flint	19	44	53	38	56	54	16.2	30.1	31.6	32.3	23.2	33.5
Fort Worth	[7] 21	43	55	56	45	63	[7] 15.3	27.3	34.1	32.9	33.4	26.6
Grand Rapids	28	38	36	29	23	39	19.1	23.2	27.8	21.0	16.9	13.3
Hartford	38	46	55	50	55	59	25.9	28.8	22.5	32.9	29.9	32.6
Houston	28	77	101	64	103	108	15.5	29.6	34.2	32.6	20.6	32.4
Indianapolis	58	110	156	99	124	143	17.5	31.0	36.7	42.2	26.8	33.3
Jacksonville	25	45	56	58	65	60	24.7	35.6	34.6	42.5	42.1	46.8
Jersey City	46	56	43	58	64	73	15.1	17.9	17.3	13.5	18.2	20.0
Kansas City, Kans.	17	19	24	36	30	47	15.2	15.8	29.5	19.5	29.3	24.3
Kansas City, Mo.	78	92	137	89	121	122	22.3	23.8	29.4	33.5	21.8	29.3
Long Beach	22	39	60	55	55	59	25.8	30.2	33.4	39.4	36.0	35.0
Los Angeles	220	365	488	486	466	521	27.6	32.2	33.3	37.0	36.8	34.4
Louisville	53	80	109	85	88	123	18.9	26.1	28.3	35.4	27.0	27.7
Memphis	41	75	100	101	116	112	23.4	36.2	34.3	38.6	39.0	44.4
Milwaukee	73	114	108	97	89	79	14.8	20.5	19.0	18.2	16.3	14.9
Minneapolis	68	88	114	91	98	105	16.7	19.6	23.6	24.1	19.2	20.5
Nashville	29	51	71	72	55	65	23.1	34.9	41.5	45.7	46.3	35.2
New Haven	34	49	51	53	45	48	20.9	30.1	27.7	31.3	32.6	27.7
New Orleans	64	108	126	91	120	126	15.5	24.2	26.1	27.0	19.5	25.5
New York	961	1,191	1,299	1,163	1,146	1,135	15.8	17.8	18.8	18.3	16.4	16.0
Newark, N. J.	94	123	106	98	100	90	27.2	28.1	31.4	23.8	22.0	22.4
Norfolk	17	27	44	36	41	40	13.3	20.4	18.5	33.9	27.8	31.6
Oakland	44	74	101	64	68	87	18.4	27.2	38.9	34.6	21.9	23.0
Oklahoma City	15	44	55	66	62	54	12.2	26.1	40.5	27.9	33.3	30.8
Omaha	30	49	66	44	58	67	15.1	23.3	27.0	30.5	20.3	26.6
Paterson	39	50	52	56	57	42	28.5	36.2	36.1	37.5	40.3	41.0
Philadelphia	262	346	354	321	367	364	14.0	17.9	19.3	18.0	16.6	18.6
Pittsburgh	146	193	218	159	137	143	23.7	29.4	34.0	32.2	23.5	20.2
Portland, Oreg.	40	61	95	74	83	98	14.7	20.8	23.4	30.9	24.1	26.9
Providence	56	69	52	51	48	40	23.1	27.6	28.4	20.4	20.0	18.8
Richmond	28	49	90	67	71	79	16.0	27.1	32.2	48.8	36.4	38.4
Rochester	48	67	76	62	45	80	15.6	20.8	24.3	22.9	18.7	13.5
St. Louis	164	177	180	156	149	173	20.8	21.8	21.3	21.7	18.8	17.9
St. Paul	45	61	87	84	70	90	18.2	23.0	27.9	31.5	30.4	25.2
Salt Lake City	28	42	50	58	46	67	22.3	30.8	31.3	35.0	40.5	31.9
San Antonio	30	58	63	50	68	77	16.2	26.4	28.3	26.2	20.8	27.9
San Diego	30	57	66	68	70	63	30.3	41.6	51.5	42.2	43.5	43.7
San Francisco	107	137	126	132	145	115	19.4	22.4	20.9	19.4	20.3	22.1
Scranton	30	38	36	32	42	53	21.5	26.7	30.6	25.0	22.2	29.1
Seattle	52	85	116	80	105	147	15.6	23.8	22.6	31.2	21.5	28.1
Springfield, Mass.	22	35	33	28	30	39	16.1	23.9	30.6	21.7	18.4	19.6
Syracuse	37	53	70	39	49	60	20.3	26.1	29.0	32.8	18.3	22.8
Toledo	52	96	120	109	89	113	20.1	33.9	36.7	40.4	36.7	29.8
Trenton	32	48	56	41	56	57	26.5	39.1	46.2	45.2	33.1	45.1
Tulsa	(3)	[6] 39	33	34	33	52	(3)	[5] 29.4	35.2	22.6	23.3	22.3
Washington, D. C.	80	117	161	186	142	192	17.6	24.5	28.3	32.8	37.7	28.7
Worcester	33	40	37	31	51	47	17.8	20.8	27.1	18.8	15.7	25.8
Yonkers	16	22	24	17	27	17	14.3	17.1	14.0	17.3	12.2	19.2
Youngstown	36	63	69	41	52	55	25.7	40.8	37.5	39.9	23.7	29.9

[1] Including the District of Columbia. All States were in the registration area in 1933 and 1934.
[2] 1925 only.
[3] Not in registration area.
[4] Average, 1927–30.
[5] Average, 1922–24.
[6] Average, 1928–30.
[7] Average, 1922–25.
[8] Average, 1923–25.
[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. Population estimates on which to base rates for 1934 are not available, except for Washington, D. C. The 1934 rate for this city is 34.3.
[13] See note 12 regarding rates.

Source; Bureau of the Census, Department of Commerce.

20.—TRANSPORTATION, AIR AND LAND—STEAM AND ELECTRIC RAILWAYS, EXPRESS COMPANIES, MOTOR BUSSES, 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 interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (*b*) switching and terminal railroads, also reporting to the commission; and (*c*) private railroads (defined by the commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, according to the amount of their annual operating revenues, class I, having more than $1,000,000 of such revenue; class II, from $100,000 to $1,000,000; and class III, less than $100,000. During recent years more detailed reports are required from class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of class II and class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district, the remainder of the country.

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

NOTE.—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,300 miles of main tracks). The first and second columns cover all railways, including "circular" and "unofficial" lines; the last five columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies

Year	Miles of road (first track) owned	Miles operated					
		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, 840
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
1933	245, 703	258, 465	256, 741	42, 397	126, 526	425, 664	239, 797
1934	243, 857	256, 418	254, 882	42, 109	125, 410	422, 401	238, 555
1935	241, 822	254, 347	252, 930	41, 916	124, 382	419, 228	237, 491

Source: Interstate Commerce Commission.

No. 421.—RAILWAY MILEAGE OWNED: By States

Note.—See headnote to table 420. 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	1933	1934
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,052	245,703	243,857
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,596	7,506	7,415
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,193	2,161	2,137
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,165	1,132	1,089
Vermont	554	614	914	921	1,012	1,100	1,077	1,056	1,035	1,016
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,022	1,999	1,992
Rhode Island	108	136	210	213	212	212	211	191	204	205
Connecticut	601	742	923	1,007	1,024	1,000	1,001	969	975	976
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	21,752	21,518	21,421
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,312	8,252	8,211
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,299	2,198	2,189
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,141	11,068	11,021
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,644	30,923	30,673
Delaware	127	197	275	323	347	335	335	325	325	325
District of Columbia	(4)	(4)	(4)	30	32	36	36	36	38	38
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,443	1,439	1,439
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,516	4,418	4,414
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,046	3,981	3,955
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,161	4,964	4,902
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,780	3,726	3,681
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,671	6,552	6,464
Florida	402	446	518	2,471	3,299	4,432	5,212	5,666	5,480	5,455
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,770	42,787	42,459
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,804	8,587	8,585
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,106	7,062	7,061
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	12,500	12,349	12,262
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,072	7,726	7,647
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,288	7,063	6,904
West North Central	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,400	50,905	50,446
Minnesota	--------	1,092	3,151	5,466	6,943	8,669	9,114	8,779	8,699	8,636
Iowa	655	2,683	5,400	8,356	9,185	9,755	9,808	9,698	9,579	9,517
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,117	7,897	7,867	7,718
North Dakota	--------	[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,275	5,276	5,276
South Dakota	--------	(6)	(6)	2,486	2,850	3,948	4,276	4,238	4,218	4,192
Nebraska	--------	705	1,953	5,295	5,685	6,067	6,166	6,174	6,105	6,104
Kansas	--------	1,501	3,400	8,806	8,719	9,007	9,388	9,339	9,161	9,003
East South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,452	16,984	16,903
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,054	3,821	3,791
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	3,940	3,903	3,868
Alabama	743	1,157	1,843	3,314	4,226	5,226	5,378	5,249	5,184	5,169
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,209	4,076	4,075
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	33,227	32,982	32,667
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,654	4,598	4,535
Texas	307	711	3,244	8,613	9,886	14,282	16,125	17,069	16,887	16,734
Oklahoma	--------	--------	289	1,214	2,151	5,980	6,572	6,678	6,733	6,657
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,826	4,764	4,741
Mountain	--------	1,466	5,082	12,676	15,808	22,956	25,170	24,973	24,751	24,631
Montana	--------	--------	106	2,181	3,010	4,207	5,072	5,228	5,209	5,222
Wyoming	--------	459	512	942	1,229	1,645	1,931	2,036	2,036	2,035
Colorado	--------	157	1,570	4,176	4,587	5,533	5,519	4,972	4,952	4,925
New Mexico	--------	--------	758	1,324	1,753	3,032	2,972	2,973	2,956	2,915
Arizona	--------	--------	349	1,097	1,512	2,097	2,478	2,494	2,335	2,316
Utah	--------	257	842	1,090	1,547	1,986	2,161	2,196	2,174	2,160
Nevada	--------	593	739	925	909	2,277	2,160	2,109	2,157	2,130
Idaho	--------	--------	206	941	1,261	2,179	2,877	2,965	2,932	2,928
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,238	17,347	17,242
Washington	--------	--------	289	1,783	2,914	4,875	5,587	5,542	5,433	5,433
Oregon	--------	159	508	1,428	1,724	2,285	3,305	3,456	3,632	3,619
California	23	925	2,195	4,356	5,751	7,772	8,356	8,240	8,272	8,190
Alaska Territory	--------	--------	--------	--------	22	390	246	790	732	732
Hawaii Territory	--------	--------	--------	--------	--------	175	243	232	229	223

[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. 422.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE.—See note to table 420. 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	1894	178,709	175,691	1915	253,789	257,569
1850		9,021	1895	180,657	177,746	1916	254,037	259,705
1855		18,374	1896	182,777	181,983	1917	253,626	259,705
1860		30,626	1897	184,428	183,284	1918	253,529	258,507
1865		35,085	1898	186,396	184,648	1919	253,152	258,525
1870		52,922	1899	189,295	187,535	1920	252,845	259,941
1875		74,096	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	240,831	1931	248,829	259,999
1890	168,597	156,404	1911	243,979	246,238	1932	247,595	258,869
1891	168,403	161,275	1912	246,777	249,852	1933	245,703	256,741
1892	171,564	162,397	1913	249,777	253,470	1934	243,857	254,882
1893	176,461	169,780	1914	252,105	256,547	1935	241,822	252,930

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

No. 423.—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 427

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
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	42,404	123,241	407,069	53,217	2,430,328	46,299	100,901
1933	239,797	42,248	122,863	404,908	50,802	2,348,821	46,916	96,734
1934	238,555	[1] 41,998	121,878	402,431	48,184	2,263,267	47,712	92,969
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
1930	60,014	23,131	46,552	129,697	24,247	1,108,965	46,531	50,618
1932	59,711	22,892	46,554	129,157	22,713	1,057,012	47,628	49,163
1933	59,307	22,648	46,177	128,132	21,438	1,012,309	48,427	47,416
1934	59,162	22,609	45,627	127,398	20,459	979,325	49,180	45,829
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
1930	46,087	6,377	21,882	74,346	10,717	483,145	45,404	19,871
1932	45,886	6,348	21,853	74,087	10,449	476,606	45,947	19,183
1933	45,560	6,389	22,052	74,001	9,981	462,827	46,727	17,909
1934	45,310	6,386	21,950	73,646	9,369	442,338	47,589	17,462
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
1930	136,290	13,076	54,590	203,956	21,529	934,830	43,682	35,691
1932	135,827	13,164	54,834	203,825	20,055	896,710	45,002	32,555
1933	134,930	13,211	54,634	202,775	19,383	873,685	45,374	31,409
1934	134,083	13,003	54,301	201,387	18,356	841,604	46,171	29,678

[1] Includes second track, 36,313 miles; third track, 3,134 miles; fourth and other, 2,551 miles.

Source: Interstate Commerce Commission.

No. 424.—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; 1933, 2,770 miles; 1934, 2,709 miles, consisting of 1,597 miles of road, 479 miles of second main track, 72 miles of industrial tracks, and 561 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1930, 21,694 miles; 1933, 21,601 miles; 1934, 21,288 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
1933	404,908	239,797	36,583	3,121	2,544	122,863	5,462	2,399	1,668	1,395
1934	402,431	238,555	36,313	3,134	2,551	121,878	5,436	2,368	1,659	1,409
Eastern district:										
1916	120,110	59,175	16,666	2,408	1,805	40,056	(1)	(1)	(1)	(1)
1933	128,132	59,307	17,996	2,656	1,996	46,177	3,563	1,283	1,403	877
1934	127,398	59,162	17,922	2,671	2,016	45,627	3,537	1,252	1,393	892
Southern district:										
1916	62,389	42,753	3,725	43	173	15,695	(1)	(1)	(1)	(1)
1933	74,001	45,560	5,928	140	321	22,052	661	265	191	205
1934	73,646	45,310	5,928	140	318	21,950	660	265	191	204
Western district:										
1916	181,638	129,746	8,832	265	212	42,583	(1)	(1)	(1)	(1)
1933	202,775	134,930	12,659	325	227	54,634	1,238	851	74	313
1934	201,387	134,083	12,463	323	217	54,301	1,239	851	75	313

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

No. 425.—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, 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
1933	[1] 268	[1] 2,681	6,410	117,268	607	3,443
1934	[1] 312	[1] 2,912	31,366	129,026	703	3,368

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

Source of tables 424 and 425: Interstate Commerce Commission.

No. 426.—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, also 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, 1910	60,019	-------	1,588,894	27,282	------	2,148,478	76,579	35.9	47,179
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
1933	54,228	53,302	[5] 2,348,821	[5] 46,916	780	2,072,632	[5] 96,734	[5] 47.5	47,677
1934	51,423	50,465	[5] 2,263,267	[5] 47,712	805	1,973,247	[5] 92,969	[5] 48.0	44,884

[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. 427.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Figures for "All operating companies" include switching and terminal companies *but not circular* and unofficial lines. Cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies, are not included

	All operating companies					Class I, 1934			
	1920	1925	1930	1933	1934	Total	Eastern district	Southern district	Western district
Freight-train cars [1]	2,388,424	2,414,083	2,322,267	2,072,632	1,973,247	1,938,362	909,065	363,815	665,482
Box	1,056,514	1,086,502	1,064,652	930,488	874,739	870,801	382,142	136,390	352,269
Flat	117,604	113,502	108,181	95,453	88,093	80,745	18,262	16,112	46,371
Stock	81,678	87,452	84,460	75,642	70,529	70,326	11,056	5,999	53,271
Coal	968,034	979,483	930,624	850,852	825,893	809,146	477,025	193,381	138,740
Tank	11,130	12,151	10,981	9,992	9,397	8,403	21	21	8,361
Refrigerator	60,768	49,488	41,006	32,370	29,338	29,243	1,702	4,816	22,725
Other	92,696	85,385	82,363	77,835	75,258	69,698	18,857	7,096	43,745
Steel [2]	630,150	757,065	854,864	816,548	819,673	819,673	543,221	160,654	115,798
Steel underframe [2]	886,296	1,056,125	1,118,257	1,038,276	974,920	974,920	352,537	169,332	453,051
Caboose cars	29,575	31,325	29,779	27,316	26,139	25,310	10,463	4,997	9,850
Passenger-train cars	56,102	56,814	53,584	47,677	44,884	43,845	22,203	6,222	15,420
Coaches	29,343	28,744	25,178	22,218	20,763	20,353	11,390	2,649	6,314
Combination	8,570	8,624	8,252	7,493	7,025	6,497	2,653	1,060	2,784
Emigrant	11	7	------	------	------	------	------	------	------
Parlor	574	502	507	470	438	433	68	52	313
Sleeping [3]	558	377	223	192	139	139	7	3	129
Baggage and express	12,101	13,174	12,981	11,294	10,699	10,633	5,348	1,416	3,869
Postal	1,243	1,092	954	949	933	931	360	186	385
Other	3,702	4,294	5,489	5,061	4,887	4,859	2,377	856	1,626
Steel [2]	15,111	21,190	29,041	28,747	28,824	28,824	16,126	3,675	9,023
Steel underframe [2]	6,573	9,369	10,376	9,637	9,147	9,147	4,591	1,600	2,956
Company service equipment	108,485	112,592	109,527	90,565	82,593	79,749	25,388	14,514	39,847
Motor cars and trailers [2]	(4)	2,469	5,594	5,179	4,653	4,653	3,389	374	890

[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 426 and 427: Interstate Commerce Commission.

No. 428.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION [1]

Year ended—	All operating carriers: Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation: Per hour [2]	Average compensation: Per year
June 30:				
1890	749,301	-------	-------	-------
1895	785,034	445,508	-------	$568
1900	1,017,653	577,265	-------	567
1901	1,071,169	610,714	-------	570
1902	1,189,315	676,029	-------	568
1903	1,312,537	757,321	-------	577
1904	1,296,121	817,599	-------	631
1905	1,382,196	839,945	-------	608
1906	1,521,355	900,802	-------	592
1907	1,672,074	1,072,386	-------	641
June 30:				
1908	1,436,275	1,035,438	-------	$721
1909	1,502,823	988,324	-------	658
1910	1,699,420	1,143,725	-------	673
1911	1,669,809	1,208,466	-------	724
1912	1,716,380	1,252,348	-------	730
1913	1,815,239	1,373,831	-------	757
1914	1,710,296	1,381,117	-------	808
1916	1,654,075	1,403,968	$0.266	849
Dec. 31:				
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	Class I carriers: Total hours (thousands)	Class I carriers: Total yearly compensation (1,000 dollars)	Class I carriers: Average hours per employee	Class I carriers: Average compensation: Per hour [2]	Class I carriers: Average compensation: Per year
1917	1,785,893	1,732,876	5,437,977	1,739,482	3,138.1	$0.320	$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	1,031,703	2,378,206	1,512,816	2,305.1	.636	1,466
1933	990,839	971,196	2,233,045	1,403,841	2,299.3	.629	1,445
1934	1,027,426	1,007,702	2,393,899	1,519,352	2,375.6	.635	1,508
1935	1,013,654	994,371	2,397,353	1,643,879	2,410.9	.686	1,653

[1] Data exclude switching and terminal companies beginning 1910. Class III roads are excluded in 1913. Exclusion of the latter has practically no effect on the comparability of the figures. Information for 1915 is incomplete, as 20 of the larger railways did not report, and is not shown.
[2] Calculated for all classes of employees, including those not paid on an hourly basis.
[3] Data cover Federal reports, reports of companies not under Federal control, and corporate reports.

Source: Interstate Commerce Commission.

No. 429.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included

District or class	Average number of employees: 1934	Average number of employees: 1935	Total compensation (1,000 dollars): 1934	Total compensation (1,000 dollars): 1935	Average per day or hour, straight time (dollars): 1934	Average per day or hour, straight time (dollars): 1935	Average per month total compensation (dollars): 1934	Average per month total compensation (dollars): 1935
All employees, all districts	1,025,155	1,010,661	1,544,220	1,671,072	-------	-------	-------	-------
Daily basis	87,386	86,551	214,574	229,143	7.63	8.19	205	221
Hourly basis	937,769	924,110	1,329,646	1,441,929	.595	.643	118	130
Eastern district	467,581	447,136	702,830	747,268	-------	-------	-------	-------
Daily basis	42,124	41,241	97,298	103,387	7.22	7.79	192	209
Hourly basis	425,457	405,895	605,532	643,881	.625	.678	119	132
Southern district	188,752	186,143	272,764	290,862	-------	-------	-------	-------
Daily basis	14,613	14,505	38,332	40,886	8.09	8.69	219	235
Hourly basis	174,139	171,638	234,432	249,976	.550	.595	112	121
Western district	368,822	377,382	568,626	632,942	-------	-------	-------	-------
Daily basis	30,649	30,805	78,944	84,870	7.95	8.49	215	230
Hourly basis	338,173	346,577	489,682	548,072	.583	.629	121	132

No. 429.—Employees and Their Compensation: Class I Carriers—Con.

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per day or hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1934	1935	1934	1935	1934	1935	1934	1935
Executives, officials, and staff assistants	12,252	12,147	62,521	65,492				
Daily basis	12,252	12,147	62,521	65,492	16.18	17.07	425	449
Professional, clerical, and general	168,224	166,176	277,028	297,908				
Daily basis	37,340	37,179	82,571	89,338	7.14	7.72	184	200
Hourly basis	130,884	128,997	194,457	208,570	.594	.643	124	135
Maintenance of way and structures	211,126	208,210	206,110	221,768				
Daily basis	3,773	3,714	10,046	10,698	8.35	9.03	222	240
Hourly basis	207,353	204,496	196,064	211,070	.427	.458	79	86
Maintenance of equipment and stores	280,591	275,059	376,603	405,530				
Daily basis	9,668	9,522	26,017	27,845	8.17	8.82	224	244
Hourly basis	270,923	265,537	350,586	377,685	.589	.637	108	119
Transportation (other than train service, engine, and yard)	127,017	125,020	170,540	184,226				
Daily basis	20,523	20,206	22,341	23,821	3.20	3.47	91	98
Hourly basis	106,494	104,814	148,199	160,405	.547	.589	116	128
Transportation (yardmasters, switch tenders, and hostlers)	12,961	12,780	26,509	28,645				
Daily basis	3,830	3,783	11,077	11,949	8.09	8.76	241	263
Hourly basis	9,131	8,997	15,432	16,696	.628	.679	141	155
Transportation (train and engine service)	212,984	211,269	424,908	467,503				
Hourly basis	212,984	211,269	424,908	467,503	.774	.838	166	184

No. 430.—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	1911	39	4,593	5	2,606	210,607
1882			12	912	39,074	1912	44	9,786	13	3,784	182,112
1883			11	1,990	108,470	1913	49	16,286	17	9,020	477,781
1884			37	11,038	714,755	1914	68	18,608	22	4,222	199,571
1885			44	8,836	385,460	1915	85	30,223	12	20,143	1,070,809
1886			13	1,799	70,346	1916	80	34,804	9	4,439	208,160
1887			9	1,046	90,318	1917	82	17,376	19	2,486	61,170
1888			22	3,270	186,814	1918	74	19,208	8	3,519	242,091
1889			22	3,803	99,664	1919	65	16,590	7	244	11,887
1890			26	2,963	105,007	1920	61	16,290	10	541	21,620
1891			26	2,159	84,479	1921	68	13,512	14	1,744	63,872
1892			36	10,508	357,692	1922	64	15,259	12	4,330	329,115
1893			74	29,340	1,781,046	1923	64	12,623	10	2,218	87,914
1894	192	40,819	38	7,025	395,791	1924	61	8,105	11	920	30,223
1895	169	37,856	31	4,089	369,075	1925	53	18,687	6	11,368	680,422
1896	151	30,475	34	5,441	275,597	1926	45	17,632	6	88	2,821
1897	128	18,862	18	1,537	92,909	1927	40	16,752	6	924	45,237
1898	94	12,745	18	2,069	138,701	1928	33	5,256	1	19	529
1899	71	9,853	10	1,019	52,285	1929	29	5,703	3	634	30,981
1900	52	4,178	16	1,165	78,234	1930	30	9,486	4	4,752	277,324
1901	45	2,497	4	73	1,627	1931	45	12,970	19	5,195	432,152
1902	27	1,475	5	278	5,835	1932	55	22,545	13	11,817	626,577
1903	27	1,185	9	229	18,823	1933 [2]	78	41,698	32	25,124	1,750,397
1904	28	1,323	8	744	36,069	1934 [2]	80	42,168	4	1,016	51,074
1905	26	796	10	3,593	176,321	1935 [2]	87	68,345	13	27,124	2,168,871
1906	34	3,971	6	204	55,042						
1907	29	3,926	7	317	13,585						
1908	52	9,529	24	8,009	596,359						
1909	44	10,530	5	859	78,095						
1910	39	5,257	7	735	51,428						

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter. [2] Includes roads under trusteeship.

Sources: Table 429, Interstate Commerce Commission; table 430, first two columns and all data beginning with 1933, Interstate Commerce Commission; other data, The Railway Age, Chicago.

No. 431.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

NOTE.—**All amounts except "per mile of road" in millions of dollars.** Switching and terminal companies excluded beginning with 1910; their total capitalization in 1934 was $810,560,086. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies

Year	Total capitalization				Held by railroads		Net capitalization				
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road (dollars)	Stock	Funded debt	Funded debt, per cent of total
June 30, 1890	8,984	3,803	606	4,575	964	443	7,577	----------	3,445	4,132	54.5
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
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
1933	24,723	8,057	2,042	14,624	2,924	2,968	18,831	77,214	7,175	11,656	61.9
1934	24,570	7,994	2,044	14,532	2,999	2,918	18,653	77,090	7,039	11,614	62.3

No. 432.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

NOTE.—Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating as well as operating roads are included. Switching and terminal roads are excluded beginning with 1908. Dividend figures throughout cover all classes of roads, but interest figure for 1913 excludes the unimportant class III roads. The amount of stock shown in the first column is exclusive of stock held by the issuing company, but includes that held by other railway companies

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dolls.)
	Actually outstanding (1,000 dolls.)	Paying dividends (1,000 dolls.)	Per cent paying dividends	Amount declared (1,000 dolls.)	Per cent on stock paying dividends	Per cent on all stock outstanding	
1891–1895	----------	1,737,048	----------	94,093	5.42	----------	243,013
1896–1900	----------	1,977,832	----------	104,295	5.27	----------	249,548
1901–1905	----------	3,505,694	----------	199,752	5.70	----------	285,755
1906–1910	----------	4,930,368	----------	339,685	6.89	----------	363,470
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	468,286
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
1933	10,027,092	3,119,282	31.11	158,790	5.09	1.58	590,230
1934	9,958,550	3,411,520	34.26	211,767	6.21	2.13	569,760

Source of tables 431 and 432: Interstate Commerce Commission.

No. 433.—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	16,855,230	537,113	107,269	2,598,434
1925	21,734,096	8,527,168	3,444,426	9,762,502	18,098,164	437,022	86,157	3,112,753
1930	22,782,889	9,128,919	3,658,575	9,995,395	19,006,276	349,079	64,814	3,362,720
1933	22,656,920	9,178,360	3,534,098	9,944,462	18,846,113	345,554	56,520	3,408,733
1934	22,412,057	9,307,398	3,499,965	9,604,694	18,787,662	327,088	56,832	3,240,475
Stock:								
1920	8,843,100	3,474,212	1,166,809	4,202,079	7,209,735	286,688	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	8,267,120	207,556	45,068	1,491,785
1933	10,027,092	4,330,777	1,456,293	4,240,022	8,232,658	218,703	39,819	1,535,912
1934	9,958,550	4,331,703	1,436,317	4,190,530	8,225,836	212,732	40,105	1,479,877
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
1933	12,629,828	4,847,583	2,077,805	5,704,440	10,613,455	126,851	16,701	1,872,821
1934	12,453,507	4,975,695	2,063,648	5,414,164	10,561,826	114,356	16,727	1,760,598
1934								
Common stock	7,931,395	3,659,639	1,230,098	3,041,658	6,360,026	198,651	39,059	1,333,659
Preferred stock	2,027,155	672,064	206,219	1,148,872	1,865,810	14,081	1,046	146,218
Mortgage bonds	9,742,779	3,778,099	1,671,269	4,293,411	8,008,240	107,660	14,800	1,612,079
Collateral trust bonds	923,936	527,160	156,665	240,111	868,593	1,422	996	52,925
Income bonds	319,634	12,786	9,380	297,468	297,049	1,015	632	20,938
Miscellaneous obligations	845,832	382,366	74,619	388,847	787,649	3,329	299	54,555
Equipment obligations	621,326	275,284	151,715	194,327	600,295	930	--------	20,101

No. 434.—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
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	23,217,209	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
1933	25,901,962	106,437	477,326	1.84	213,592	703,745	98,443
1934	25,681,608	106,279	465,896	1.81	203,941	694,360	136,018

[1] Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies not rendering annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, $480,216,000; 1926, $831,574,000; 1927, $919,095,000; 1928, $1,013,752,000 1929, $1,051,469,000; 1930, $1,095,631,000; 1931, $1,114,637,000; 1932, $1,121,945,000; 1933, $1,096,264,000; 1934, $890,581,000. 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 433 and 434: Interstate Commerce Commission.

No. 435.—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. 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*	-------	-------
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	6,531,870	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] 23.6	[1] 19.8
1933	368,666	10,540,396	6,773,651	619	23.3	[1] 6.32	[1] 23.2	[1] 21.3
1934	397,150	11,410,710	7,347,667	624	23.2	[1] 6.23	[1] 22.7	[1] 24.2
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
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	362,775	10,494,078	6,743,372	633	25.5	6.32	23.2	21.3
1934	*391,005*	*11,359,267*	*7,313,330*	*637*	*25.5*	*6.23*	*22.7*	*24.2*
1935	397,903	11,778,169	7,145,348	659	25.8	6.51	23.2	25.8
Eastern district:								
1926-1930	219,468	6,956,068	4,125,220	818	28.1	8.92	28.6	26.4
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	134,630	4,222,329	2,716,352	748	26.5	7.60	24.9	18.1
1934	141,777	4,442,605	2,855,647	765	27.0	7.63	25.0	20.1
1935	142,319	4,578,589	2,738,329	792	27.2	8.10	25.8	21.0
Southern district:								
1926-1930	122,815	3,314,113	2,127,953	738	30.5	6.65	25.3	36.0
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	77,185	2,091,759	1,409,073	708	29.9	6.05	23.6	24.7
1934	82,244	2,217,318	1,490,001	709	30.1	5.93	23.1	27.6
1935	82,881	2,297,157	1,435,028	737	30.3	6.23	23.6	29.8
Western district:								
1926-1930	234,381	6,992,814	4,014,202	606	24.0	7.08	24.8	33.4
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	150,960	4,179,990	2,617,947	503	22.3	5.41	21.4	23.7
1934	166,984	4,699,344	2,967,682	503	22.1	5.28	20.4	27.9
1935	172,703	4,902,423	2,791,991	521	22.6	5.43	20.7	29.9

[1] Data available for class I roads only.

[2] Class I and class II roads.

Source: Interstate Commerce Commission.

No. 436.—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, 264	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
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. 80	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, 000	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
1933	733, 391	1, 322, 463	250, 651	--------	972, 262	341. 77	189. 53	2, 528, 968	1. 009
1934	802, 276	1, 440, 434	270, 292	--------	1, 058, 609	336. 91	187. 65	2, 671, 901	. 989
Class I roads:									
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, 223	273, 153	1, 035, 707	356. 6	198. 0	2, 488, 848	. 999
1934	765, 296	1, 369, 733	268, 711	295, 975	1, 124, 542	351. 1	196. 2	2, 629, 302	. 978
1935	789, 627	1, 427, 042	282, 037	310, 484	1, 185, 368	357. 2	197. 6	2, 786, 118	. 988
Eastern district:									
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, 562	112, 943	1, 760, 002	342. 5	160. 8	1, 062, 290	1. 016
1934	344, 052	714, 659	112, 261	121, 143	1, 900, 572	326. 3	157. 1	1, 120, 243	. 998
1935	349, 217	740, 928	116, 629	125, 530	1, 984, 121	334. 0	157. 4	1, 192, 014	1. 022
Southern district:									
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	63, 790	1, 288, 375	343. 1	232. 3	503, 276	. 854
1934	184, 608	271, 955	62, 367	67, 829	1, 373, 561	337. 8	229. 3	521, 053	. 835
1935	190, 814	282, 743	65, 152	70, 655	1, 441, 860	341. 4	230. 4	549, 995	. 844
Western district:									
1932	199, 028	331, 776	80, 922	91, 468	595, 793	406. 59	243. 91	926, 760	1. 145
1933	221, 847	355, 051	85, 727	96, 420	632, 777	386. 4	241. 5	923, 282	1. 077
1934	236, 636	383, 119	94, 083	107, 003	699, 610	397. 6	245. 6	988, 006	1. 050
1935	249, 596	403, 371	100, 256	114, 299	748, 378	401. 7	248. 5	1, 044, 109	1. 041

[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. 437.—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, exclude 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[1]	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[1]	460.9	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[1]	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[1]	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[1]	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[1]	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[1]	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[1]	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[1]	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[1]	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	463.4	391.8	397.4	470.4	412.9	444.6	469.0	439.1	469.2	495.8	544.4	518.2	508.4
1923	524.3	497.0	442.1	530.2	517.8	542.1	535.6	530.6	558.5	540.1	581.7	526.3	489.3
1924	493.6	463.7	474.1	499.7	470.0	472.3	460.9	477.0	503.2	535.5	566.9	500.6	499.9
1925	510.2	479.2	450.1	481.1	468.6	483.5	501.7	517.1	549.9	559.9	585.3	527.4	518.7
1926	532.7	476.0	455.7	525.7	494.9	512.2	535.4	551.6	573.8	584.8	603.6	556.2	522.1
1927	511.7	482.0	464.0	525.2	493.3	513.6	511.6	503.9	551.6	559.5	574.7	498.8	462.6
1928	509.5	452.8	451.3	499.9	469.3	505.3	496.9	507.6	552.2	550.4	611.7	526.0	491.1
1929	523.6	481.6	470.4	511.3	508.6	531.8	526.0	551.7	580.2	560.7	602.4	494.1	464.2
1930	440.1	446.3	423.2	447.7	445.9	457.6	439.7	451.8	461.0	462.2	478.0	394.3	373.9
1931	349.0	361.8	332.8	371.9	365.4	364.8	365.8	372.8	360.3	346.3	359.0	301.9	285.4
1932	260.6	272.2	264.2	286.7	264.9	251.9	243.5	235.3	249.4	269.5	295.2	250.7	243.3
1933	258.0	226.6	212.2	218.1	224.9	255.2	278.3	293.7	297.0	292.2	294.4	257.7	245.3
1934	272.6	268.0	248.5	293.2	265.4	282.0	282.8	276.0	282.7	275.5	292.9	257.0	257.5
1935	287.5	264.2	254.9	280.9	274.7	279.5	281.3	275.3	294.0	307.0	341.0	301.3	296.2
FREIGHT REVENUE (millions of dollars)													
1922	333.9	277.0	294.5	354.1	288.8	319.5	331.8	299.4	326.4	355.8	406.2	389.7	364.0
1923	385.3	366.9	326.7	398.6	386.1	405.3	387.1	379.2	402.0	390.8	441.4	395.8	344.0
1924	362.3	333.3	352.6	371.5	342.8	344.7	323.2	340.0	358.4	399.1	438.9	380.9	362.1
1925	379.4	350.6	336.8	360.6	347.0	359.2	366.0	377.4	403.2	419.6	450.5	402.4	379.4
1926	401.4	347.7	340.6	401.7	370.4	385.3	397.6	409.3	429.3	444.7	472.1	433.2	384.6
1927	387.3	357.9	353.9	406.3	371.4	391.1	381.9	369.9	415.1	426.7	452.7	385.8	334.7
1928	391.2	337.8	346.1	388.2	356.4	391.5	370.6	382.0	421.5	423.8	492.8	415.7	367.9
1929	402.4	367.0	363.6	393.6	393.5	412.5	390.9	416.8	446.3	435.3	483.3	384.3	341.1
1930	340.3	338.0	327.0	345.2	345.6	354.1	331.4	347.1	354.5	363.3	385.5	310.9	280.7
1931	271.2	276.9	257.4	291.2	283.5	282.9	281.1	290.1	279.9	270.0	289.0	238.3	214.4
1932	204.3	208.4	205.3	224.9	207.9	194.2	185.9	179.9	194.9	214.5	244.0	203.1	188.1
1933	207.7	179.2	169.2	175.3	180.2	207.5	223.3	240.2	241.3	235.4	239.6	209.9	191.7
1934	219.5	208.8	201.7	241.0	214.3	228.6	225.7	221.3	224.8	220.5	238.8	208.6	199.4
1935	232.4	211.0	206.0	228.6	222.0	224.3	225.2	220.5	235.0	249.9	284.6	248.1	234.1
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
1934	28.9	27.2	25.4	27.4	27.0	26.6	31.6	32.2	32.8	30.6	28.6	24.8	32.0
1935	29.8	30.4	27.3	27.7	27.2	27.1	31.1	31.6	33.8	30.8	28.6	27.8	34.4
FREIGHT TON-MILES (millions)[2]													
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	22,924	19,987	19,118	19,351	19,831	21,734	23,710	26,408	26,464	26,130	26,414	23,937	22,000
1934	24,805	23,771	23,199	27,796	23,475	25,262	25,208	24,260	25,405	25,889	26,504	23,785	23,102
1935	26,022	24,964	24,140	27,586	23,320	24,662	25,933	23,167	25,936	27,715	31,200	27,468	26,175

[1] Including switching and terminal companies. [2] Revenue and nonrevenue.

Source: Interstate Commerce Commission.

No. 438.—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
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
1933	434,848	16,368	37.64	380,435	2,496,969	329,816	[1] 1.27	2.02	[1] 43
1934	452,176	18,069	39.96	381,611	2,574,329	346,870	[1] 1.33	1.92	[1] 47
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
1931	596,391	21,894	36.71	480,367	3,265,923	550,250	1.61	2.51	46
1932	478,800	16,971	35.44	414,383	2,735,614	376,539	1.33	2.22	40
1933	432,980	16,341	37.74	376,093	2,490,051	328,957	1.27	2.01	43
1934	449,775	18,033	40.09	377,368	2,567,569	345,890	1.33	1.92	47
1935	445,872	18,476	41.44	381,747	2,633,758	357,493	1.35	1.93	47
Eastern district:									
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	316,983	9,497	29.96	164,981	1,126,870	197,166	1.62	2.08	57
1934	321,407	9,934	30.91	164,072	1,132,256	206,180	1.68	2.08	60
1935	318,885	9,777	30.66	162,586	1,129,165	207,556	1.69	2.12	60
Southern district:									
1931	48,702	2,292	47.07	80,984	515,450	66,331	1.20	2.89	28
1932	36,957	1,330	49.52	70,385	437,775	42,841	.97	2.34	25
1933	43,467	2,020	46.48	64,965	413,730	38,851	.97	1.92	30
1934	50,964	2,506	49.17	65,996	440,675	44,751	1.08	1.79	37
1935	47,527	2,609	55.01	67,833	458,470	46,429	1.09	1.78	38
Western district:									
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	72,530	4,824	66.51	146,147	949,451	92,940	1.03	1.93	32
1934	77,404	5,593	72.26	147,300	994,638	94,959	1.06	1.70	37
1935	79,560	6,090	76.54	151,328	1,046,123	103,508	1.09	1.70	39

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

Source: Interstate Commerce Commission.

No. 439.—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 440. Switching and terminal companies are excluded beginning with 1908; operating revenues of switching and terminal companies, 1933, $57,743,000, 1934, $61,910,000; operating expenses, *1933, $40,266,000, 1934, $44,960,000.* For certain principal items for individual 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
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	258,263	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
1933	257,802	3,133,186	2,285,218	852,968	253,522	477,326	12,173	3,309	72.82
1934	255,327	3,316,861	2,479,997	836,864	243,646	465,896	12,991	3,278	74.77
Class I roads:									
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	240,631	3,095,404	2,249,232	846,172	249,623	474,296	12,864	3,516	72.66
1934	238,951	3,271,567	2,441,823	829,744	239,625	462,652	13,691	3,472	74.64
1935	237,932	3,451,929	2,592,741	859,188	236,945	499,819	14,508	3,611	75.11
Eastern district:									
1932	59,604	1,416,801	1,076,555	340,246	116,867	159,696	23,770	5,708	75.98
1933	59,410	1,389,133	1,006,545	382,588	104,528	213,699	23,382	6,440	72.46
1934	59,067	1,459,598	1,086,856	372,742	101,229	206,649	24,711	6,310	74.46
1935	58,781	1,536,014	1,140,102	395,912	98,790	235,123	26,131	6,735	74.22
Southern district:									
1932	46,092	558,408	417,791	140,617	50,305	83,226	12,115	3,051	74.82
1933	45,743	583,066	399,751	183,315	47,207	127,811	12,747	4,007	68.56
1934	45,405	611,012	432,328	178,684	47,127	121,253	13,457	3,935	70.76
1935	45,186	644,018	462,904	181,114	49,828	124,159	14,253	4,008	71.88
Western district:									
1932	135,823	1,151,551	909,099	242,452	107,963	83,376	8,478	1,785	78.95
1933	135,478	1,123,205	842,936	280,269	97,888	132,786	8,291	2,069	75.05
1934	134,479	1,200,957	922,639	278,318	91,269	134,750	8,930	2,070	76.82
1935	133,965	1,271,897	989,735	282,162	88,327	140,537	9,494	2,106	77.82

[1] Class I and class II roads.

Source: Interstate Commerce Commission.

No. 440.—INCOME ACCOUNT OF CLASS I CARRIERS: OPERATING ROADS

NOTE.—All figures in thousands of dollars. Switching and terminal companies are excluded

Item	1921–1925 (average)	1926–1930 (average)	1931	1932	1933	1934	1935 [1]
Revenues	5,881,856	6,038,339	4,188,343	3,126,760	3,095,404	3,271,567	3,451,929
Freight	4,277,134	4,600,341	3,248,753	2,446,864	2,488,848	2,629,302	2,790,551
Passenger	1,100,603	903,748	550,250	376,539	328,957	345,890	357,905
Mail	94,900	111,887	105,423	97,162	91,871	91,140	92,052
Express	137,886	139,570	82,775	53,983	45,640	54,013	53,329
All other transportation	129,878	136,665	98,718	77,905	71,667	75,324	82,641
All other	141,455	146,128	102,424	74,307	68,421	75,898	75,451
Expenses	4,583,425	4,421,699	3,223,575	2,403,445	2,249,232	2,441,823	2,592,741
Maintenance, way, etc.	781,577	826,826	530,613	351,179	322,286	365,300	393,967
Maintenance, equipment	1,297,802	1,178,252	816,954	618,941	598,709	637,906	681,887
Traffic	93,919	123,608	117,218	96,223	85,817	89,249	94,212
Transportation	2,194,358	2,054,865	1,538,469	1,154,318	1,074,932	1,160,582	1,253,113
All other	215,769	238,148	220,321	182,784	167,488	188,785	169,562
Net revenue from railway operations	1,298,431	1,616,640	964,768	723,315	846,172	829,744	859,188
Deduct—							
Tax accruals	321,536	379,941	303,528	275,135	249,623	239,625	236,945
Uncollectible revenues	1,895	1,427	891	1,027	1,208	1,166	1,204
Equipment rents	67,659	91,786	99,193	85,102	85,008	89,849	85,662
Joint facility rents	23,742	28,583	35,528	35,753	36,037	36,452	35,558
Net railway operating income	883,599	1,114,903	525,628	326,298	474,296	462,652	499,819

Item	Eastern district			Southern district			Western district		
	1933	1934	1935 [1]	1933	1934	1935 [1]	1933	1934	1935 [1]
Revenues	1,389,133	1,459,598	1,536,014	583,066	611,011	644,018	1,123,205	1,200,957	1,271,897
Freight	1,062,290	1,120,243	1,192,014	503,276	521,052	549,996	923,282	988,006	1,048,542
Passenger	197,166	206,180	207,818	38,851	44,751	46,429	92,940	94,959	103,657
Mail	35,930	35,157	35,372	15,787	15,995	16,270	40,154	39,988	40,410
Express	19,867	22,291	22,005	8,691	10,742	11,374	17,082	20,980	19,950
All other transportation	39,572	38,771	40,523	6,458	7,197	8,121	25,637	29,357	33,997
All other	34,308	36,955	38,282	10,003	11,275	11,828	24,110	27,668	25,341
Expenses	1,006,545	1,086,855	1,140,102	399,751	432,328	462,904	842,936	922,639	989,735
Maintenance, way, etc.	129,428	144,737	151,043	63,062	70,506	75,083	129,796	150,056	167,841
Maintenance, equipment	270,474	284,698	300,310	113,061	121,358	133,225	215,174	231,849	248,352
Traffic	32,033	33,778	35,505	16,241	17,147	18,059	37,543	38,324	40,648
Transportation	501,317	541,290	574,532	180,571	194,201	208,523	393,044	425,092	470,058
All other	73,293	82,352	78,712	26,816	29,116	28,014	67,379	77,318	62,836
Net revenue from railway operations	382,588	372,742	395,912	183,315	178,684	181,114	280,269	278,318	282,162
Deduct—									
Tax accruals	104,528	101,229	98,790	47,207	47,128	49,828	97,888	91,268	88,327
Uncollectible revenues	520	605	656	163	195	130	525	366	418
Equipment rents	44,033	43,829	40,920	4,214	5,687	3,486	36,761	40,333	41,256
Joint facility rents	19,808	20,430	20,423	3,920	4,421	3,511	12,309	11,601	11,624
Net railway operating income	213,699	206,649	235,123	127,811	121,253	124,159	132,786	134,750	140,537

[1] Rail line and water line transportation combined in the several accounts; water line transportation included in "All other" in prior years.

Source: Interstate Commerce Commission.

No. 441.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE.—Data for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1916 include also class II carriers. Total railroad taxes, Federal and State, in 1934, by classes, were as follows: Class I and subsidiaries, $241,812,732 (including $510,350 Canadian, $1,418 Mexican and $52 not localized by States); class II and subsidiaries, $3,446,159; class III and subsidiaries, $577,066; switching and terminal companies, $11,654,844; grand total $257,490,801

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1916	1920	1925	1930	1933	1934	1920	1930	1933	1934
Total	162,475	282,751	359,370	349,207	251,214	241,301	1,262	1,519	1,106	1,068
United States Government taxes	12,531	50,543	87,680	40,986	21,070	21,646	226	178	93	96
New England:										
Maine	1,026	1,725	1,977	1,908	1,188	1,188	831	963	604	604
New Hampshire	746	1,005	1,042	1,125	844	734	827	990	765	692
Vermont	491	451	453	407	456	444	608	540	610	594
Massachusetts	2,575	3,339	3,920	4,709	3,760	3,914	1,616	2,369	1,913	2,011
Rhode Island	397	585	604	687	682	678	2,996	3,933	3,627	3,585
Connecticut	1,114	1,975	2,058	1,672	921	1,014	1,977	1,737	949	1,043
Middle Atlantic:										
New York	11,724	17,861	22,613	27,378	24,292	25,453	2,271	3,491	3,100	3,256
New Jersey	7,656	11,189	17,355	20,442	17,915	18,088	5,292	9,951	9,136	9,243
Pennsylvania	9,957	9,342	11,134	12,440	7,592	8,217	945	1,235	751	809
South Atlantic:										
Delaware	153	165	182	166	163	159	493	567	556	542
Dist. of Columbia	64	79	126	144	158	136	2,291	4,178	4,378	3,775
Maryland	1,211	2,004	1,352	2,076	1,738	1,684	1,591	1,829	1,538	1,491
Virginia	3,012	4,695	5,614	7,318	5,239	5,168	1,129	1,759	1,263	1,245
West Virginia	2,355	3,879	6,046	8,109	7,369	8,626	1,195	2,193	2,068	2,428
North Carolina	1,706	2,129	4,748	5,392	3,885	3,660	552	1,399	1,018	984
South Carolina	1,091	1,951	2,840	3,489	2,440	2,488	623	1,106	780	792
Georgia	1,957	2,481	3,310	3,966	2,540	2,547	455	719	463	469
Florida	1,572	2,167	3,888	4,964	2,991	2,775	542	965	600	559
East North Central:										
Ohio	10,618	16,841	18,518	19,928	14,742	12,983	2,048	2,334	1,746	1,538
Indiana	5,803	9,422	11,627	13,852	7,150	6,919	1,328	2,011	1,047	1,014
Illinois	9,049	16,422	21,576	22,084	18,552	13,520	1,421	1,827	1,548	1,136
Michigan	4,220	7,579	7,656	10,816	6,719	5,267	1,083	1,469	956	752
Wisconsin	4,968	6,876	7,295	7,201	5,497	5,247	995	1,034	803	780
West North Central:										
Minnesota	6,445	9,753	7,965	6,778	4,117	4,095	1,151	823	501	502
Iowa	3,871	7,855	6,842	8,026	4,835	4,250	808	831	508	449
Missouri	2,258	3,359	3,716	4,284	3,582	3,430	457	566	487	476
North Dakota	2,289	4,997	4,290	4,110	3,192	2,597	969	799	621	505
South Dakota	1,635	3,718	3,161	2,696	1,892	1,757	900	644	454	424
Nebraska	2,704	4,159	4,747	4,622	3,560	3,205	677	749	583	535
Kansas	4,108	6,188	6,670	8,871	6,848	6,753	688	968	758	761
East South Central:										
Kentucky	2,018	2,184	4,246	5,373	3,739	3,421	624	1,411	1,016	936
Tennessee	1,718	2,584	3,107	3,629	2,322	2,391	702	1,002	648	671
Alabama	1,751	2,548	2,687	3,681	2,351	2,226	560	797	514	488
Mississippi	1,916	3,612	5,064	5,047	3,017	2,857	942	1,322	802	760
West South Central:										
Louisiana	2,235	3,788	4,578	5,098	4,216	3,873	971	1,280	1,061	989
Texas	4,656	5,098	6,514	7,614	6,164	5,970	364	494	408	399
Oklahoma	3,653	5,463	5,682	6,468	4,583	3,922	864	994	702	598
Arkansas	2,248	3,912	2,663	3,025	2,378	2,288	948	690	548	532
Mountain:										
Montana	2,781	4,284	4,728	5,178	4,622	4,466	871	1,016	912	879
Wyoming	901	1,213	1,659	1,970	1,872	1,900	686	1,071	1,018	1,034
Colorado	2,451	3,344	3,719	4,271	3,324	3,597	729	972	759	827
New Mexico	1,179	2,467	2,212	2,785	2,410	1,771	915	993	861	640
Arizona	1,341	1,572	2,485	3,100	3,234	3,240	776	1,403	1,555	1,569
Utah	1,123	1,856	2,161	2,404	2,252	2,331	907	1,142	1,095	1,141
Nevada	1,028	1,543	1,762	1,970	1,984	1,850	942	1,163	1,158	1,097
Idaho	1,475	3,844	2,872	3,244	2,759	2,722	1,500	1,219	1,044	1,032
Pacific:										
Washington	4,064	8,795	6,647	7,430	5,041	4,609	1,698	1,480	1,009	923
Oregon	1,492	2,722	2,736	3,064	1,055	2,490	1,060	1,119	385	912
California	5,142	7,187	12,963	13,210	7,962	6,675	1,071	1,842	1,094	928

Source: Interstate Commerce Commission.

No. 442.—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 percent. 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	429,781	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	40,587
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
1934	765,296	79,305	20,363	323,500	112,880	35,650	179,253	14,345
1935	789,627	76,338	15,125	320,628	124,508	42,483	196,506	14,039
Eastern district:								
1933	305,305	16,518	4,400	158,446	27,319	3,234	88,245	7,143
1934	344,052	16,805	4,534	178,648	32,573	3,675	100,508	7,309
1935	349,217	17,112	3,960	170,302	32,789	4,093	113,787	7,174
Southern district:								
1933	171,791	9,926	1,274	110,074	16,296	10,899	20,156	3,166
1934	184,608	10,037	1,458	116,735	19,527	10,759	23,043	3,049
1935	190,814	9,373	1,370	119,789	19,937	12,744	24,535	3,066
Western district:								
1933	221,847	55,258	11,977	27,958	54,972	19,032	48,608	4,042
1934	236,636	52,463	14,371	28,117	60,780	21,216	55,702	3,987
1935	249,596	49,853	9,795	30,537	71,782	25,646	58,184	3,799
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	69,371
1926–1930	2,341,062	221,019	45,054	852,777	395,987	179,554	584,457	62,214
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
1934	1,369,733	150,761	39,240	575,991	168,158	64,199	344,135	27,249
1935	1,427,042	143,208	30,049	578,848	188,114	79,535	380,324	26,964
Eastern district:								
1933	650,091	44,959	15,112	337,042	59,124	14,480	165,314	14,060
1934	714,659	44,769	15,171	374,777	66,029	14,353	185,474	14,086
1935	740,928	43,868	12,943	368,996	73,503	17,753	209,906	13,959
Southern district:								
1933	253,681	22,920	3,013	138,670	23,186	17,428	42,056	6,408
1934	271,955	22,390	3,880	147,120	26,854	17,198	48,172	6,341
1935	282,743	21,125	2,984	150,741	27,864	21,150	52,391	6,488
Western district:								
1933	355,051	82,884	16,382	53,732	67,668	30,289	97,284	6,812
1934	383,119	83,602	20,189	54,094	75,275	32,648	110,489	6,822
1935	403,371	78,215	14,122	59,111	86,747	40,632	118,027	6,517

[1] Includes some undistributed freight. [2] Excluding class III. [3] Including receipts from connecting lines.
Source: Interstate Commerce Commission.

No. 443.—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, 1935 (thousands of tons of 2,000 pounds)		
	All districts								1935					
	1920	1925	1930	1931	1932	1933	1934	1935	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**	**1,153,19 7**	**894,186**	**646,223**	**698,943**	**765,296**	**789,627**	**349,217**	**190,814**	**249,596**	**740,928**	**282,743**	**403,371**
Grand total, carload traffic	**1,202,219**	**1,206,655**	**1,123,530**	**871,412**	**630,989**	**684,592**	**750,951**	**775,588**	**342,043**	**187,748**	**245,797**	**726,969**	**276,255**	**396,854**
Products of agriculture, total	**110,840**	**109,313**	**110,728**	**97,487**	**80,917**	**81,702**	**79,305**	**76,338**	**17,112**	**9,373**	**49,853**	**43,868**	**21,125**	**78,215**
Wheat	23,131	21,548	25,466	26,228	19,120	16,501	16,018	15,931	3,143	569	12,219	4,490	1,476	15,367
Corn	12,689	12,680	13,986	10,728	9,544	12,310	11,427	7,806	2,411	1,057	4,338	3,850	1,488	6,165
Oats	8,615	8,450	5,184	3,969	3,400	3,353	2,501	2,923	707	267	1,949	1,345	466	2,596
Other grain	5,669	4,564	4,045	2,924	2,229	2,995	3,213	3,886	464	91	3,331	823	307	4,427
Flour and meal	10,952	9,901	10,546	10,067	9,319	8,997	8,932	8,649	2,387	740	5,522	7,310	2,229	7,939
Cereal foods and other mill products	8,891	9,578	10,610	8,783	6,629	6,779	7,095	6,765	2,540	586	3,639	5,700	1,470	5,392
Hay, straw, and alfalfa	7,957	5,506	3,494	2,174	1,569	1,476	2,562	1,598	355	84	1,159	721	272	2,313
Leaf tobacco [1]	1,081	1,138	1,008	816	642	680	679	647	61	566	20	180	928	23
Cotton	3,379	4,127	3,032	2,432	2,777	3,374	2,503	2,962	83	1,351	1,528	735	2,801	2,185
Cottonseed and products, except oil	4,573	5,849	5,065	3,608	3,146	2,483	2,402	2,075	23	1,075	977	229	1,408	1,723
Citrus fruits	1,404	1,363	1,734	2,378	1,965	1,823	1,818	2,017	141	379	1,497	1,881	1,398	4,495
Other fresh fruits	5,271	5,910	5,919	5,175	4,068	3,416	3,648	3,683	624	927	2,132	3,342	2,237	5,650
Potatoes, except sweet [2]	4,118	4,614	4,332	4,114	3,418	3,466	3,804	3,383	1,415	314	1,654	5,201	1,150	4,002
Other fresh vegetables	2,205	2,828	3,262	2,927	2,575	2,449	2,687	2,464	390	534	1,540	2,741	1,638	4,937
Dried fruits and vegetables	1,165	1,533	1,674	1,426	1,258	1,239	1,260	1,347	394	61	892	1,067	328	1,968
Sugar beets	9,741	9,824	6,246	5,573	5,503	6,641	4,338	4,752	177	----------	4,575	236	----------	4,975
Other products of agriculture			5,125	4,165	3,755	3,720	4,418	5,450	1,797	772	2,881	4,017	1,529	4,008
Animals and products, total	**26,595**	**26,324**	**23,129**	**21,632**	**18,055**	**17,651**	**20,363**	**15,125**	**3,960**	**1,370**	**9,795**	**12,943**	**2,984**	**14,122**
Horses and mules	936	544	440	315	230	281	355	347	24	43	280	96	158	455
Cattle and calves	9,809	9,330	6,785	6,097	4,896	4,497	7,279	4,710	590	432	3,688	1,453	590	5,321
Sheep and goats	1,344	1,224	1,385	1,343	1,085	1,008	1,059	1,010	120	57	833	393	90	1,467
Hogs	5,421	5,502	4,902	4,501	3,884	3,608	3,004	1,643	485	162	996	1,015	208	1,231

[1] Includes refuse, stems, etc., prior to 1930.

[2] "Potatoes" prior to 1930.

No. 443.—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, 1935 (thousands of tons of 2,000 pounds)		
	All districts								1935					
	1920	1925	1930	1931	1932	1933	1934	1935	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Animals and products—Continued														
Fresh meats	2,770	2,904	2,928	2,933	2,724	2,951	3,229	2,582	789	249	1,544	3,386	664	1,856
Other packing-house products	2,206	2,139	1,970	1,833	1,632	1,585	1,584	1,081	452	154	475	1,102	568	768
Poultry	264	357	419	416	382	402	377	284	61	30	193	523	46	268
Eggs	536	591	612	582	424	422	403	322	75	23	224	551	52	349
Butter and cheese	425	686	807	768	735	756	771	678	126	36	516	1,072	138	669
Wool	293	263	354	388	271	336	237	339	169	13	157	561	50	245
Hides and leather	1,051	1,026	847	782	655	734	789	884	455	92	337	1,396	210	542
Other animals and products	1,540	1,758	1,680	1,674	1,137	1,071	1,276	1,245	614	79	552	1,395	210	951
Products of mines, total	712,154	678,336	642,537	501,903	362,226	395,065	436,380	445,136	203,091	139,726	102,319	442,499	178,605	145,858
Anthracite	78,100	58,260	71,252	65,673	55,681	56,467	68,630	60,644	60,343	107	194	91,705	188	493
Bituminous coal	389,349	346,346	322,150	263,991	218,197	230,837	244,735	249,413	102,147	118,396	28,870	265,561	148,384	56,396
Coke	26,895	19,798	14,536	9,872	7,346	9,173	10,136	10,572	7,812	1,287	1,473	11,929	2,170	2,222
Iron ore	84,453	72,134	59,980	31,073	5,440	26,526	27,942	34,888	1,350	1,303	32,235	22,518	1,897	33,115
Copper ore and concentrates	21,550	12,289	4,525	3,903	1,658	1,545	1,680	903	1	4	898	42	56	1,034
Other ores and concentrates			6,957	4,664	2,599	2,803	3,634	4,450	1,332	543	2,575	3,208	1,122	4,539
Gravel, sand, and stone [3]	98,720	145,405	112,196	84,058	47,138	36,706	46,015	46,826	11,699	9,644	25,483	15,329	12,324	30,531
Crude petroleum	6,435	11,245	6,598	7,448	2,803	4,702	3,381	3,495	1,136	110	2,249	1,510	185	4,345
Asphaltum	1,424	2,531	2,925	2,746	2,583	2,407	2,729	3,049	1,911	476	662	3,284	830	1,454
Salt	3,250	3,403	2,952	2,834	2,576	2,728	2,822	2,595	1,301	18	1,276	3,401	914	2,683
Phosphate rock, crude	6,997	6,925	5,712	3,930	2,891	3,817	4,403	5,108	29	5,009	70	143	5,416	129
Sulphur			1,934	1,259	961	1.590	1,469	1,572	220	57	1,295	413	225	1,832
Other products of mines [3]			30,820	20,452	12,353	15,764	18,804	21,621	13,810	2,772	5,039	23,666	4,894	7,085
Products of forests, total	100,766	107,391	69,371	43,024	26,109	33,165	35,650	42,483	4,093	12,744	25,646	17,753	21,150	40,632
Logs, posts, poles, piling, and cordwood	38,571	45,428	28,451	14,792	7,781	11,245	12,820	15,844	394	2,865	12,585	1,150	3,431	14,344
Ties	5,472	4,292	3,522	1,527	958	1,174	1,711	1,546	267	565	714	612	775	952
Pulp wood	4,992	5,826	6,524	4,797	3,309	4,142	4,719	5,047	1,313	1,325	2,409	2,389	2,045	3,265
Lumber, shingles, lath, cooperage materials, veneer, etc	48,618	49,019	27,800	19,497	12,418	14,491	14,178	17,875	1,366	7,019	9,490	11,396	13,427	21,322
Other forest products	3,112	2,826	3,074	2,411	1,643	2,113	2,222	2,171	753	970	448	2,206	1,472	749

Manufactures and miscellaneous, total	251, 864	285, 291	277, 765	207, 366	143, 682	157, 009	179, 253	196, 506	113, 787	24, 535	58, 184	209, 906	52, 391	118, 027
Refined petroleum and its products	29, 616	46, 273	62, 901	55, 615	46, 707	45, 464	49, 666	48, 718	19, 666	5, 532	23, 520	31, 570	11, 293	45, 620
Vegetable oils	938	1, 446	1, 602	1, 428	1, 333	1, 314	1, 405	1, 524	426	454	644	1, 229	895	1, 174
Sugar, sirup, glucose, and molasses	5, 664	5, 700	5, 659	5, 142	4, 286	4, 779	5, 059	4, 895	1, 325	648	2, 922	2, 538	2, 048	5, 375
Iron, pig [4]	16, 451	14, 577	5, 140	3, 139	1, 424	2, 689	2, 548	3, 471	2, 477	699	295	3, 995	1, 006	757
Scrap iron and steel	(5)	(5)	9, 901	6, 032	3, 444	5, 993	7, 173	9, 517	6, 670	992	1, 855	10, 481	1, 562	2, 621
Iron and steel (6th class, n. o. s.)	(5)	(5)	3, 680	2, 081	1, 298	2, 313	2, 597	3, 666	3, 615	21	30	4, 585	60	77
Rails, fastenings, frogs, and switches [6]	3, 047	2, 646	1, 778	1, 063	419	521	1, 032	891	639	100	152	892	269	359
Iron and steel pipes and fittings [7]	27, 443	29, 144	6, 442	4, 101	1, 789	1, 955	2, 708	2, 948	2, 025	398	525	3, 720	893	2, 092
Iron and steel (5th class, n. o. s.)[7]			26, 745	16, 877	9, 386	13, 475	15, 526	20, 117	17, 856	857	1, 404	29, 294	2, 319	5, 411
Iron and steel nails and wire	(5)	(5)	1, 372	1, 015	669	1, 040	1, 024	1, 307	935	91	281	1, 737	261	614
Copper: Ingot, matte, and pig	5, 170	5, 419	665	352	162	215	229	347	197	7	143	677	11	544
Lead and zinc: Ingot, pig, or bar			1, 124	908	592	723	833	1, 011	387	8	616	1, 204	112	1, 325
Other metals: Pig, bar, sheet, etc			379	306	118	181	261	284	105	2	177	285	18	267
Machinery and boilers [8]	9, 391	5, 359	3, 072	1, 943	1, 072	1, 122	1, 310	1, 507	1, 047	121	339	2, 187	447	847
Cement	15, 400	24, 516	23, 180	18, 392	11, 201	9, 509	11, 670	11, 454	5, 097	1, 631	4, 726	9, 967	3, 241	7, 426
Brick and artificial stone	15, 251	19, 668	12, 595	7, 723	3, 574	3, 516	3, 970	4, 595	2, 550	992	1, 053	4, 542	1, 610	1, 896
Lime and plaster	4, 410	6, 830	3, 452	2, 600	1, 690	1, 681	1, 844	2, 254	1, 307	327	620	2, 435	899	1, 365
Sewer pipe and drain tile	2, 165	2, 426	1, 946	1, 197	624	537	716	673	390	110	173	857	234	315
Agricultural implements and vehicles other than automobiles [9]	3, 324	2, 281	1, 657	766	304	353	634	1, 036	263	88	685	612	318	1, 349
Automobiles, autotrucks, parts, tires, etc	3, 427	6, 980	6, 624	4, 286	2, 317	3, 144	5, 087	6, 921	5, 658	291	972	10, 909	1, 623	4, 202
Furniture	743	970	733	564	353	393	375	473	164	159	150	594	402	416
Beverages	1, 240	841	893	654	351	1, 170	1, 957	2, 048	711	172	1, 165	1, 690	537	2, 197
Ice	5, 795	4, 928	2, 578	2, 262	1, 464	1, 054	1, 054	854	247	92	515	275	96	537
Fertilizers	9, 204	8, 463	12, 302	8, 524	5, 025	5, 187	6, 283	6, 940	2, 214	3, 482	1, 244	4, 075	5, 341	2, 193
Printing paper [10]	3, 144	3, 328	3, 399	2, 983	2, 397	2, 330	2, 408	2, 531	1, 812	164	555	6, 949	518	2, 030
Chemicals and explosives [11]	8, 348	9, 579	2, 672	2, 152	1, 579	1, 868	2, 101	2, 186	1, 169	536	481	1, 861	987	727
Textiles	805	966	710	613	493	581	512	518	120	306	92	482	664	241
Canned food products	3, 074	4, 144	4, 751	3, 954	3, 167	3, 308	3, 816	3, 844	1, 715	250	1, 879	4, 557	822	3, 891
Furnace slag	77, 814	78, 807	11, 000	4, 401	2, 105	2, 016	2, 495	2, 254	1, 743	464	47	1, 985	828	60
Paper board, pulpboard, and wall board (paper)			2, 241	2, 037	1, 581	1, 874	1, 812	2, 021	987	599	435	2, 513	1, 160	991
Building paper and prepared roofing materials			1, 687	1, 234	1, 102	1, 119	1, 184	1, 506	900	150	456	1, 727	583	861
Other manufactures and miscellaneous			54, 885	43, 022	31, 656	35, 535	39, 964	44, 195	29, 370	4, 792	10, 033	59, 482	11, 334	20, 247
Merchandise—all l. c. l. freight	53, 202	40, 587	29, 667	22, 774	15, 234	14, 351	14, 345	14, 039	7, 174	3, 066	3, 799	13, 959	6, 488	6, 517

[3] "Gravel, sand, and stone" includes clay prior to 1930 which is reported with "Other products of mines" in 1930 and thereafter. [4] Includes bloom prior to 1930.
[5] Not reported separately. [6] "Rails and fastenings" prior to 1930. [7] "Bar, sheet, and structural iron and pipe" prior to 1930. [8] Includes castings prior to 1930.
[9] Includes railway car wheels, axles, and trucks prior to 1930. [10] "Paper, printed matter, and books" prior to 1930. [11] Data beginning 1930 not comparable with prior years.

Source: Interstate Commerce Commission.

No. 444.—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, 992,996; 1928, 992,113; 1929, 1,015,922; 1930, 882, 269

Month	1931	1932	1933	1934	1935	1931	1932	1933	1934	1935
	Total, all commodities					Grain and grain products				
Year	714, 447	541, 922	561, 924	593, 192	606, 123	38, 931	31, 796	31, 931	31, 652	30, 330
January	718, 303	566, 693	481, 052	545, 770	542, 618	40, 682	31, 010	26, 743	29, 197	24, 018
February	708, 530	560, 805	492, 642	578, 619	581, 400	41, 162	34, 250	25, 377	30, 091	25, 617
March	734, 232	570, 209	470, 904	613, 522	602, 922	38, 333	28, 891	27, 724	29, 651	26, 943
April	751, 573	554, 827	506, 391	585, 115	575, 776	37, 519	30, 827	35, 914	26, 496	26, 898
May	739, 696	522, 022	535, 798	611, 591	581, 780	35, 834	29, 220	37, 126	28, 107	25, 624
June	747, 988	491, 622	585, 249	616, 926	607, 031	35, 007	25, 334	38, 685	34, 881	25, 383
July	738, 472	484, 197	624, 598	587, 754	557, 184	54, 647	36, 963	44, 828	42, 760	29, 974
August	747, 527	516, 200	632, 785	614, 573	620, 413	44, 348	38, 543	29, 706	39, 769	42, 199
September	727, 068	573, 474	648, 170	625, 488	657, 890	37, 247	37, 561	31, 264	33, 827	40, 551
October	762, 632	633, 512	658, 120	633, 735	720, 481	38, 515	33, 527	29, 872	31, 463	37, 027
November	654, 827	547, 482	596, 414	568, 600	635, 889	36, 202	27, 809	30, 949	26, 986	31, 322
December	554, 957	496, 656	517, 447	526, 392	579, 646	27, 145	26, 458	25, 997	25, 425	27, 272
	Livestock					Coal				
Year	22, 347	18, 256	17, 054	20, 663	13, 741	124, 869	102, 672	109, 512	117, 989	118, 219
January	25, 613	22, 070	17, 248	17, 499	14, 479	157, 380	115, 176	108, 568	131, 099	137, 645
February	22, 011	19, 034	15, 427	15, 281	12, 380	137, 136	114, 953	124, 641	144, 958	143, 423
March	19, 827	16, 532	13, 411	13, 448	11, 575	130, 954	121, 254	92, 322	147, 246	136, 619
April	21, 779	18, 699	16, 880	16, 285	12, 884	116, 075	92, 291	78, 865	101, 468	94, 750
May	20, 407	17, 146	16, 541	16, 252	12, 943	113, 882	74, 626	80, 844	107, 638	98, 435
June	18, 621	14, 912	15, 476	15, 449	10, 170	110, 620	66, 698	96, 320	101, 253	124, 208
July	18, 098	14, 381	14, 955	22, 197	9, 875	110, 307	72, 259	112, 848	94, 119	79, 586
August	21, 731	16, 871	16, 653	32, 108	12, 861	118, 660	84, 616	125, 051	101, 748	98, 264
September	24, 091	20, 750	20, 289	33, 446	17, 365	124, 251	108, 834	126, 614	116, 100	111, 388
October	29, 014	23, 699	23, 221	28, 556	21, 641	145, 437	136, 577	126, 754	121, 171	135, 891
November	25, 902	19, 012	20, 451	21, 189	16, 811	121, 376	122, 823	127, 068	120, 394	125, 050
December	20, 958	16, 608	15, 087	16, 367	12, 794	115, 413	125, 027	115, 962	129, 004	130, 551
	Coke					Ore				
Year	6, 245	4, 303	5, 736	6, 404	6, 652	16, 821	4, 046	14, 292	15, 253	19, 099
January	8, 998	5, 656	5, 208	7, 740	7, 810	5, 206	2, 949	1, 872	3, 106	2, 683
February	8, 744	6, 234	6, 285	0, 083	8, 628	5, 567	2, 699	1, 864	3, 106	3, 189
March	7, 889	6, 090	4, 381	8, 981	6, 658	5, 830	2, 647	2, 113	3, 725	3, 698
April	7, 007	3, 830	3, 352	5, 780	5, 715	7, 993	3, 424	3, 369	7, 186	8, 827
May	6, 486	3, 136	3, 834	6, 843	5, 777	17, 320	2, 583	7, 864	20, 711	25, 598
June	5, 488	2, 887	5, 389	6, 796	6, 042	29, 789	3, 547	13, 132	33, 106	31, 807
July	4, 813	2, 573	6, 498	4, 406	4, 692	34, 859	6, 030	24, 962	31, 346	32, 818
August	4, 555	2, 712	6, 712	4, 358	5, 252	35, 000	7, 111	36, 180	28, 556	34, 115
September	4, 783	3, 669	7, 030	5, 220	6, 459	30, 270	6, 065	39, 011	23, 716	33, 816
October	5, 562	4, 890	6, 762	5, 442	7, 554	20, 372	6, 521	29, 882	17, 138	32, 424
November	5, 318	4, 751	6, 478	5, 175	7, 294	6, 273	2, 951	8, 316	5, 768	13, 402
December	5, 758	5, 597	6, 748	6, 102	8, 283	3, 505	1, 748	2, 938	3, 041	5, 161
	Forest products					Miscellaneous and L. C. L.				
Year	28, 296	17, 292	21, 170	22, 095	26, 595	476, 938	363, 558	362, 229	379, 136	391, 487
January	33, 115	18, 358	13, 946	18, 352	18, 679	447, 308	371, 474	307, 467	338, 788	337, 305
February	34, 586	19, 266	13, 800	21, 818	25, 080	459, 322	364, 370	305, 247	353, 282	363, 084
March	34, 390	20, 018	15, 313	23, 705	25, 246	497, 010	374, 778	315, 641	386, 766	392, 183
April	32, 836	19, 707	17, 456	24, 242	25, 430	528, 363	386, 048	350, 555	403, 659	401, 273
May	32, 912	18, 695	21, 019	25, 246	25, 008	512, 854	376, 617	368, 570	406, 795	388, 396
June	31, 203	16, 810	26, 004	24, 652	26, 271	517, 260	361, 434	390, 242	400, 790	383, 151
July	26, 641	14, 555	26, 916	20, 762	26, 437	489, 107	337, 436	393, 591	372, 166	373, 803
August	27, 588	15, 490	27, 671	22, 168	30, 317	495, 746	350, 856	390, 812	385, 866	397, 405
September	26, 053	17, 552	25, 070	22, 069	30, 907	480, 373	379, 044	398, 891	391, 111	417, 404
October	24, 482	18, 849	24, 794	22, 390	31, 614	499, 251	409, 450	416, 835	407, 575	454, 332
November	21, 822	16, 051	23, 637	20, 723	27, 494	437, 936	354, 087	379, 516	368, 365	414, 517
December	16, 986	13, 196	18, 385	18, 295	25, 922	365, 190	308, 023	332, 331	328, 159	369, 664

Source: Association of American Railroads.

No. 445.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to table 446

Cause of accident	Killed					Injured				
	1926–1930, average	1931–1935, average	1933	1934	1935	1926–1930, average	1931–1935, average	1933	1934	1935
All accidents	6,480	4,970	5,019	4,879	5,107	89,404	29,816	27,494	28,631	28,080
Train accidents	308	225	218	256	239	2,985	1,125	1,365	1,000	1,056
Passengers on trains	30	8	23	12	1	1,455	465	657	394	367
Travelers not on trains			------	------	------			------	2	3
Employees	164	80	66	97	79	1,132	373	362	361	372
Other persons	114	137	129	147	159	398	287	346	243	314
Causes:										
Collisions	89	32	33	33	22	1,391	417	635	263	346
Passengers on trains	11	3	14	------	------	710	222	415	98	159
Travelers not on trains			------	------	------			------	1	------
Employees	70	25	16	30	18	526	144	137	126	146
Other persons	8	4	3	3	4	155	51	83	38	41
Derailments	139	113	127	142	110	1,379	577	610	601	564
Passengers on trains	18	5	9	12	------	718	230	236	276	200
Travelers not on trains			------	------	------			------	1	3
Employees	66	42	45	59	38	487	180	190	176	173
Other persons	55	66	73	71	72	173	167	184	148	188
Other causes	81	80	58	81	107	215	131	120	136	146
Passengers on trains	1	------	------	------	1	27	13	6	20	8
Travelers not on trains					------			------	------	------
Employees	28	12	5	8	23	119	48	35	59	53
Other persons	52	67	53	73	83	69	69	79	57	85
Train-service accidents	5,796	4,522	4,598	4,396	4,650	35,395	16,219	15,107	15,446	15,535
Passengers on trains	63	26	15	15	17	2,208	1,525	1,315	1,476	1,505
Travelers not on trains			10	8	7			84	68	65
Employees	940	376	354	338	387	23,275	7,005	6,104	6,442	6,390
Other persons	4,793	4,120	4,219	4,035	4,239	9,912	7,690	7,604	7,460	7,575
Causes:										
Coupling or uncoupling locomotives or cars	48	15	12	17	16	1,124	293	246	254	264
Coupling or uncoupling air hose	19	10	11	7	12	353	134	131	132	107
Operating locomotives	16	7	5	6	11	3,731	1,007	834	909	845
Operating hand brakes	30	14	15	14	10	1,875	596	514	514	536
Operating switches	1	1	------	1	2	747	202	176	192	186
Contact with fixed structures	57	59	64	54	48	534	258	284	201	134
Getting on or off cars or locomotives	419	449	516	417	346	7,084	3,689	3,785	3,358	3,259
Highway grade-crossing accidents [1]	2,315	1,521	1,446	1,442	1,554	6,400	4,135	3,607	4,182	4,443
Struck or run over, not at public crossings	2,267	1,726	1,792	1,725	1,794	1,721	969	958	994	958
Miscellaneous	625	718	737	713	857	11,824	4,937	4,572	4,710	4,753
Nontrain accidents	376	223	203	227	218	51,024	12,471	11,022	12,185	11,489
Passengers on trains	2	3	------	------	------	595	540	------	------	------
Travelers not on trains			2	4	1			466	614	577
Employees	288	132	112	121	134	48,990	10,844	9,466	10,535	9,980
Other persons	85	88	89	102	83	1,440	1,087	1,090	1,036	932

[1] Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents.

Source: Interstate Commerce Commission.

No. 446.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS

NOTE.—For various reasons, including the fact that returns were required under different acts, the statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of $150 or any damage and a resulting casualty. Thereafter they were considered as such when the damage exceeded $150 with or without a casualty. Where the damage is less than $150 and there is a reportable casualty it is classified as a train-service accident. Figures for years 1911–1915 include industrial and other nontrain accidents to employees only, and for years 1908–1910 do not cover switching and terminal roads. Otherwise the statement covers all reportable accidents

Yearly average or year ended—	Total		Passengers[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	-------	-------
1911	10,396	150,159	299	12,042	3,602	126,039	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	3,121
1923	7,385	171,712	143	6,463	2,026	152,678	2,397	9,279	2,819	3,297
1924	6,617	143,739	153	6,023	1,543	125,319	2,300	9,268	2,621	3,121
1925	6,766	137,435	176	5,643	1,599	119,224	2,347	9,640	2,644	2,926
1926	7,090	130,235	155	5,149	1,672	111,903	2,640	10,387	2,623	2,798
1927	6,821	104,799	82	4,560	1,566	88,223	2,519	9,020	2,654	2,992
1928	6,509	85,561	85	4,027	1,327	70,246	2,718	8,652	2,379	2,639
1929	6,496	76,995	100	4,371	1,424	60,739	2,665	9,308	2,307	2,578
1930	5,481	49,430	50	3,180	974	35,872	2,153	7,430	2,304	2,946
1931	5,099	35,656	41	2,689	676	23,358	1,981	6,288	2,401	3,326
1932	4,747	29,219	28	2,366	579	17,742	1,635	5,330	2,505	3,786
1933	5,019	27,494	50	2,522	532	15,932	1,611	5,043	2,826	3,997
1934	4,879	28,631	39	2,554	556	17,338	1,630	5,583	2,654	3,156
1935	5,107	28,080	26	2,517	600	16,742	1,769	5,791	2,712	3,030

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

No. 447.—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			1934		
	1932	1933	1934	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite ... 1,000 short tons	327	478	608	608	-------	-------
Bituminous coal ... do	66,498	66,198	70,496	33,603	15,863	21,030
Fuel oil[1] ... 1,000 gallons	1,759,124	1,709,032	1,868,381	6,783	27,374	1,834,224
Hardwood[1] ... cords	3,028	1,865	1,612	553	1,059	-------
Softwood[1] ... do	23,475	19,823	18,511	6,783	1,180	10,548
Total, coal equivalent[2] 1,000 short tons	77,859	77,384	82,811	34,256	16,027	32,528
Rails laid in replacement and betterment:						
Total tonnage ... 1,000 long tons	797	862	1,165	466	283	416
Total charges[3] ... 1,000 dollars	28,265	28,669	37,650	14,724	9,008	13,918
Ties laid in previously constructed tracks:						
Crossties ... thousands	39,190	37,296	43,306	9,679	11,093	22,334
Switch and bridge ties ... 1,000 board feet	140,566	134,149	155,249	43,310	46,637	65,302
Total charges[3] ... 1,000 dollars	50,940	44,195	51,516	16,018	11,570	23,928

[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 446 and 447: Interstate Commerce Commission.

No. 448.—EXPRESS COMPANIES: INCOME ACCOUNT

NOTE.—In thousands of dollars. Mileage operated by express companies, 1935: Total, 272,606; steam road, 216,147; electric line, 2,394; steamboat line, 24,987; airplane, 19,178; stage line, 9,900. The Railway Express Agency, Inc., operates 262,091 miles, and the Southeastern Express Co., 10,515 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
1925	290, 303	143, 832	149, 715	146, 433	3, 282	2, 059	1, 195	1, 088	2, 184
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*
1934	130, 953	50, 530	82, 907	79, 756	3, 151	1, 518	1, 612	156	4
1935	138, 751	53, 170	88, 068	84, 899	3, 169	1, 548	1, 603	148	4
Southeastern Express Co.:									
1921 [7]	4, 374	1, 649	2, 781	2, 719	61	25	37	10	47
1925	8, 041	3, 912	4, 241	4, 086	155	86	67	20	87
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
1934	5, 060	2, 049	3, 135	3, 003	132	96	35	11	46
1935	5, 520	2, 234	3, 406	3, 250	156	96	57	3	60

[1] Includes revenues from sources other than transportation.
[2] Deducting, besides taxes, a small amount of uncollectible revenue.
[3] Sum of two preceding columns less deductions.
[4] Result of operations for 2 months ended Feb. 28, 1929.
[5] Result of operations for 10 months ended Dec. 31, 1929.
[6] Deficit.
[7] Result of operations for 8 months ended Dec. 31, 1921.

No. 449.—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: Total	Expenses, car operations: Conducting car operations	Net revenues, car operation	Operating income	Revenue passengers carried: Thousands	Revenue passengers carried: 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:									
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
1934	44, 070	---------	2, 361	41, 976	17, 527	2, 094	400	15, 105	8
1935	48, 428	---------	2, 683	49, 077	19, 720	[3] *649*	[3] *1, 647*	15, 479	8

[1] Amounts due other carriers under the provisions of definite contracts. [2] Not separated. [3] Deficit.

Source of tables 448 and 449: Interstate Commerce Commission.

No. 450.—THE ALASKA RAILROAD TRAFFIC: Analysis of Statistics of Passenger and Freight Services, Years Ended June 30

	1934	1935		1934	1935
Road mileage operated—monthly average	502	501.1	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight train-miles	67,148	71,447
Passenger train-miles [1]	66,304	66,442	Mixed train-miles	6,010	7,059
Mixed train-miles	6,010	7,059	Loaded cars, 1 mile, freight and mixed trains	1,124,200	1,208,261
Passenger car-miles, passenger trains [1]	172,399	180,383	Empty cars, 1 mile, freight and mixed trains	778,817	858,014
Passenger car-miles, mixed trains	5,816	7,096	All cars, 1 mile	1,903,017	2,066,275
Total revenue passengers carried	15,824	23,310	Tons of revenue freight carried:		
Revenue passengers carried 1 mile	2,004,534	3,184,778	Coal	65,009	73,060
Total passenger revenue	$113,524	$166,086	Miscellaneous	28,503	36,154
Average revenue per passenger per mile	$0.05663	$0.05215	Tons of revenue freight carried 1 mile	16,128,792	18,824,470
			Total freight revenue	$964,918	$1,091,446
			Average revenue per ton per mile	$0.05983	$0.05798

[1] Including motor miles.

Source: Department of the Interior.

No. 451.—ELECTRIC RAILWAYS: Summary of Operations

Note.—This table does not include the electric operations of steam railway companies nor motor-bus operations of electric railways; for motor-bus statistics see table 459. Many electric railway companies also engage in other operations, especially in the sale of current for light and power; wherever possible, such light and power business has been excluded, but for numerous companies this is impossible. No distribution can be made in the statistics between purely urban street railways and suburban and interurban lines. The insignificant amount of business still conducted by cable and animal traction is included, as well as some operations conducted by primarily electric railways by means of steam traction and gasoline engine cars. Mileage figures expressed in nearest mile

	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 line operated [2]	5,783	16,645	30,438	32,548	31,264	27,948	20,110
Miles of single track operated [2]	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	----------	[3] 6	66	56	[4] 86	[4] 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	([5])	4,143,381
Number of employees	70,764	140,769	282,461	294,826	300,119	*264,575*	*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 (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) [6]	90,617	247,554	567,512	709,825	1,016,719	927,774	566,290
Operating expenses (thousand dollars) [6]	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 companies maintaining separate organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1912 these companies were treated as merged and not included in the number reported.

[2] Includes small mileage of track lying outside the United States.

[3] Compressed air.

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

[5] 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.

[6] Including revenues and expenses from auxiliary operations, except in 1932. Prior to 1927, auxiliary operations include data for electric light and power departments of electric railways; beginning with 1927, such data for most companies have been reported on separate schedules and are included in the statistics for "Central Electric Light and Power Stations."

Source: Bureau of the Census, Department of Commerce.

No. 452.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES

NOTE.—See headnote to table 451

	All companies					Surface lines	
	1912	1917	1922	1927	1932	1927	1932
Number of operating companies	975	943	858	682	485	678	478
Miles of single 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	93,246	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	2,025,821	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
Kilowatt capacity of generators [3]	2,505,316	2,924,779	2,972,834	1,470,904	1,126,714	(5)	751,714
Electric energy (1,000 kilowatt-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
Free-transfer passengers	2,423,918	3,021,138	2,496,570	2,571,249	1,827,533	2,570,937	1,827,308
Free passengers	165,869	181,116	168,272	155,594	105,022	154,114	99,420
Revenue car mileage (thousands)	1,921,620	2,139,802	2,124,523	2,103,773	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	269,880	236,730	161,905	208,775	131,923
Wages (thousand dollars)	174,762	233,331	387,643	380,978	241,686	333,695	191,224
Conductors and motormen:							
Number	131,321	136,184	130,224	113,180	78,928	108,680	74,173
Wages (thousand dollars)	95,452	127,222	204,690	196,636	121,752	187,149	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, capacity of generators, and output of stations in 1927 and 1932 are not comparable with those in prior years, as companies that formerly reported these data as auxiliary operations on railway schedules furnished separate and complete reports for light and power operations in 1927 and 1932. These are included in the statistics for "Central 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 of idle equipment in 1932.

[5] Not shown separately.

[6] Not including passengers carried by motor busses operated by electric railway companies (16,120,000 in 1922; 214,694,000 in 1927; 880,543,000 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. 453.—ELECTRIC RAILWAYS:

NOTE.—See headnote to table 451. 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**	**7,955,961**	**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	55,908	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	3,558	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	93,418	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	--------	221,417	10,614
Maryland	720	758	731	667	186,828	248,594	227,918	--------		
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 Connecticut combined.
[5] Data for Vermont, Rhode Island, and Connecticut combined.
[6] Data for Rhode Island included with Massachusetts.
[7] Data for Minnesota, North Dakota, and Nebraska 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.
30,803	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	16,985	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	3,798	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	--------	--------		410	334	--------	--------		N.Mex.
		--------	(13)		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	28,802	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 South Atlantic division represent District of Columbia, Georgia, and Florida.
[11] Data for West Virginia and Georgia combined.
[12] Data for Colorado included with Utah.
[13] Data for Arizona included with Utah.

Source: Bureau of the Census, Department of Commerce.

No. 454.—ELECTRIC RAILWAYS: Income Account of Operating Companies

Note.—See headnote to Table 451

[All figures except percentages in thousands of dollars]

	All companies				Surface lines	
	1913	1922	1927	1932	1927	1932
Gross operating revenue	567,511	1,016,719	[1] 927,774	[1] 566,749	798,754	447,628
Railway operations	535,996	925,477	918,869	566,290	789,849	447,169
Passenger	502,652	854,663	834,601	518,060	713,288	408,431
Baggage, express, and milk	3,688	5,285	4,271	1,328	4,271	1,328
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
Auxiliary operations	31,515	91,242	[1] 8,905	[1] 459	8,905	459
Operating expenses (total)	332,896	727,795	[1] 694,460	[1] 442,993	616,258	364,269
Railway operating expenses	318,700	678,563	686,638	442,607	608,436	363,883
Way and structures	44,270	102,003	96,285	61,000	85,807	48,674
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	[2] 129,205	286,690	294,322	186,515	262,415	154,633
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
Ratio of expenses to revenue (per cent)	58.7	71.6	74.9	78.2	77.2	81.4
Net operating revenue	234,615	288,924	[1] 233,314	[1] 123,756	182,496	83,359
Taxes	35,028	64,788	57,809	40,670	49,594	33,416
Operating income	199,587	224,136	[1] 175,505	[1] 83,086	132,902	49,943

[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 complete separate reports for these departments in 1927 and 1932 which are included in statistics for "Central Electric Light and Power Stations."

[2] Includes superintendence of power.

Source: Bureau of the Census, Department of Commerce.

No. 455.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

Year	Placed under receivership or trusteeship				Sold under foreclosure				
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities		Receivers' certificates
			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)
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	285,359
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
1934	5	246	3,887,600	7,217,100	6	329	13,685,100	19,563,000	----------
1935	11	939	42,681,037	70,371,343	10	861	32,517,800	91,512,071	----------

[1] Data not available.

Source: Annual Statistical Number, Transit Journal.

No. 456.—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 freight and switching roads; for 1917, 1922, and 1927, on running track exclusive of idle track and freight and switching roads; for 1932, on total main track.
[5] No data.

No. 457.—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
Illinois	141.9	146.9	163.9	178.7	178.7	Massachusetts	18.5	25.2	27.0	29.4	30.6
Pennsylvania	9.9	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] Kansas, Missouri, Oregon, and Tennessee, 1912; Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Rhode Island, Minnesota, and Missouri, 1922; Minnesota, Missouri, Rhode Island, and Washington, 1927; Minnesota, Missouri, Montana, Rhode Island, and Washington, 1932.

No. 458.—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 456, 457, and 458: Bureau of the Census, Department of Commerce.

No. 459.—MOTORBUS 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			
	Total	Operated by—		Total	Operated by—		
		Electric railway companies	Subsidiary companies		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
Revenue passengers	771,806	163,199	608,608	1,135,500	749,423	202,531	183,546
Pay-transfer passengers	12,453	4,583	7,871	12,162	4,361	6,528	1,273
Free-transfer passengers	85,235	45,667	39,568	143,729	118,704	15,658	9,367
Free passengers	5,907	1,246	4,661	10,928	8,055	1,268	1,605
Number of bus-miles (thousands)	272,518	65,905	206,613	499,025	275,633	102,770	120,622
Revenue miles	270,483	65,068	205,415	494,922	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] *753*	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	3,896	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. 460.—MOTORBUS INDUSTRY: Statistics of Public and Private Carriers

	1930	1931	1932	1933	1934	1935
PUBLIC CARRIER (REVENUE) OPERATIONS						
Number of operating companies	5,875	5,250	5,201	5,200	5,024	4,700
Owned by:						
Motor carriers [1]	5,549	4,944	4,915	4,920	4,754	4,432
Electric railways	267	251	231	220	199	206
Steam railroads	59	55	55	60	71	62
City	5,475	4,870	975	850	805	800
Intercity			3,896	4,096	3,904	3,570
Sightseeing and irregular	400	380	330	254	315	330
Number of busses	44,650	45,400	45,000	45,000	43,000	45,000
Owned by:						
Motor carriers [1]	31,064	31,850	32,213	33,280	29,990	30,650
Electric railways	11,827	12,050	11,541	11,000	11,600	12,600
Steam railroads	1,759	1,500	1,246	720	1,410	1,750
City	13,350	14,050	16,225	16,500	17,580	19,250
Intercity	28,550	28,350	26,706	26,314	22,820	23,750
Sightseeing and irregular	2,750	3,000	2,069	2,186	2,600	2,000
Miles of route operated	367,000	390,000	400,000	410,000	401,665	395,774
On lines owned by:						
Motor carriers	314,700	343,000	357,099	381,150	361,795	335,000
Electric railways	24,300	20,000	17,263	17,000	16,420	15,520
Steam railroads	28,000	27,000	25,638	11,850	23,450	45,254
City	9,500	10,600	14,830	17,442	19,665	24,000
Intercity	332,500	356,400	364,570	364,676	354,000	346,774
Sightseeing and irregular	25,000	23,000	20,600	27,882	28,000	25,000
Revenue bus-miles (millions)	[2] 1,612	[2] 1,604	[2] 1,513	1,521	1,544	1,813
City	510	521	537	547	595	691
Intercity	1,102	1,083	976	930	895	1,085
Sightseeing and irregular	(3)	(3)	(3)	44	54	38
Revenue passengers (millions)	1,784	1,726	1,663	1,672	2,203	2,738
City	1,350	1,325	1,300	1,323	1,809	2,084
Intercity	428	395	357	329	378	652
Sightseeing and irregular	6	6	6	20	15	2
Gross revenue (thousands of dollars)	326,000	310,000	292,250	283,199	310,600	393,046
City	109,000	107,000	100,000	98,619	131,200	145,596
Intercity	205,000	191,000	185,000	176,580	171,200	239,950
Sightseeing and irregular	12,000	12,000	7,250	8,000	8,200	7,500
Investment in plant and equipment [4] (thousands of dollars)	306,500	322,500	334,810	331,585	362,235	407,817
Number of employees	(3)	101,000	88,500	85,578	94,532	106,831
Total taxes and fees (thousands of dollars)	36,100	36,650	38,650	37,500	37,280	40,375
Special taxes and fees [5]	31,200	32,525	34,500	33,470	33,300	35,625
General taxes [6]	4,900	4,125	4,150	4,030	3,980	4,750
PRIVATE CARRIER (NONREVENUE) OPERATIONS						
Number of operating agencies	17,615	17,750	22,400	23,900	24,100	28,740
School	16,600	16,700	21,500	23,400	23,600	28,240
Others	1,015	1,050	900	500	500	500
Number of busses operated	47,150	53,500	60,700	61,500	65,130	72,850
School	45,000	51,500	59,000	60,300	64,130	71,850
Others	2,150	2,000	1,700	1,200	1,000	1,000
Miles of route operated	460,000	508,000	649,800	692,000	706,600	929,000
School	451,000	500,000	642,500	688,000	702,600	925,000
Others	9,000	8,000	7,300	4,000	4,000	4,000
Passengers carried (millions)	(3)	313	332	437	524	594
School	(3)	296	317	427	514	584
Others	(3)	17	15	10	10	10

[1] Common carriers and sightseeing carriers.
[2] Not including sightseeing and irregular bus-miles.
[3] Not available.
[4] Rolling stock only.
[5] All taxes paid as users of the highway and as operators of motor vehicles; includes excise taxes levied under Revenue Acts of 1932 and 1934.
[6] All taxes paid as citizens and businesses in general.

Source: National Association of Motor Bus Operators.

No. 461.—CIVIL AERONAUTICS: Summary of Statistics

Item	1928	1930	1932	1933	1934	1935
SCHEDULED AIR TRANSPORT OPERATIONS						
Services in operation Dec. 31 [1]	63	122	136	112	98	109
Miles of all airways in operation Dec. 31	16,667	49,549	48,530	47,687	50,801	60,451
Domestic [2]	15,590	29,887	28,550	27,812	28,084	28,267
Foreign [2]	1,077	19,662	19,980	19,875	22,717	32,184
Airplanes in service and reserve Dec. 31:						
Number	325	600	564	504	518	459
Domestic [2]	----------	497	456	408	417	356
Foreign [2]	----------	103	108	96	101	103
Value (thousands of dollars)	7,000	11,490	8,763	9,500	10,500	12,465
Total personnel employed Dec. 31 [1]	1,496	3,475	[3] 5,588	[3] 6,273	[3] 6,455	[3] 8,121
Pilots employed	308	675	709	749	751	987
Airplane-miles flown, all operators (thousands)	10,673	36,945	50,933	54,643	48,787	63,540
Domestic [2]	10,400	31,993	45,606	48,772	40,955	55,380
Foreign [2]	273	4,953	5,327	5,871	7,831	8,160
Airplane-miles flown daily, average for the year [1]	29,242	101,220	139,542	149,706	133,662	174,084
Passengers carried	49,713	417,505	540,681	568,940	561,370	860,761
Domestic [2]	47,840	374,935	474,279	493,141	461,743	746,946
Foreign [2]	1,873	42,570	66,402	75,799	99,627	113,815
Average passenger-mile rate (domestic)	$0.11	$0.083	$0.061	$0.061	$0.059	$0.057
Express and freight carried [4] (thousands of pounds)	217	469	1,601	2,453	3,450	5,512
Domestic [2]	210	360	1,034	1,510	2,133	3,822
Foreign [2]	6	109	567	943	1,316	1,689
Miles of mail airways Dec. 31 [1]	14,561	41,501	45,436	44,665	46,003	51,428
Airplane-miles flown with mail (thousands) [1]	7,846	19,904	36,053	41,671	[5] 27,340	39,977
Mail carried by contractors (thousands of pounds)	4,063	8,514	7,909	7,817	7,872	13,780
Domestic [2]	3,546	7,985	7,393	7,362	7,411	13,276
Foreign [2]	518	529	515	454	461	504
Mail income to contractors (thousands of dollars)	7,433	20,016	26,234	23,414	[6] 15,722	17,266
Domestic [2]	7,205	14,703	19,294	16,467	[6] 8,804	10,663
Foreign [2]	227	5,313	6,940	6,946	6,918	6,603
MISCELLANEOUS [7]						
Airplane-miles flown, miscellaneous flying operations (thousands)	60,000	108,270	78,179	71,223	75,602	84,756
Miles airways lighted by Department of Commerce	6,988	15,258	19,500	18,655	19,081	22,012
Under construction	2,314	3,221	----------	2,638	3,048	338
Beacons, revolving and flashing (federally operated)	1,188	1,652	1,988	1,796	1,520	1,868
Beacons, privately owned and certified	54	140	228	269	310	330
Radio communication stations	29	45	61	68	71	74
Radio range beacon stations	2	33	68	94	112	137
Radio marker beacons	----------	6	74	77	84	57
Weather reporting airway and airport stations [8]	----------	143	234	205	206	203
Weather Bureau first-order stations	206	209	216	194	185	191
Commercial and private airports	365	564	645	713	618	552
Municipal airports	368	550	549	563	702	739
Intermediate landing fields—Department of Commerce—						
Lighted	210	347	337	246	250	282
Unlighted	----------	7	15	19	9	9
Auxiliary airports—marked	340	240	476	550	580	631
Army, Navy, Marine Corps, National Guard, reserve and miscellaneous airports	81	74	95	97	138	156
Pilots licensed (active), airplane [9]	4,887	15,280	18,594	13,690	13,949	14,805
Airplanes licensed (active) [9]	3,165	7,354	7,330	6,896	6,339	7,371

[1] Domestic and foreign; see note 2.
[2] Domestic scheduled air lines operate within the continental limits of the United States; foreign operations cover activities of American air lines in foreign countries.
[3] Includes operation and office personnel.
[4] Not including express and freight privately carried.
[5] Includes 1,719,919 airplane-miles flown by Army Air Corps.
[6] Includes $2,249,004 paid to Army Air Corps.
[7] All data, except airplane-miles flown, are as of Dec. 31; figures, except as noted, cover the domestic field only.
[8] Long line teletypewriter equipped.
[9] Pilots and airplanes licensed by the American Government; figures include some pilots and airplanes operating on foreign extensions.

Source: Bureau of Air Commerce, 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, and, beginning Jan. 1, 1935, Virgin Islands; 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 required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety. Displacement tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

No. 462.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

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

	1929	1930	1931	1932	1933	1934
Foreign commerce, total	127,510	114,110	89,526	70,429	69,467	77,898
Imports, through seaports	51,591	46,448	37,375	29,843	27,671	30,553
Exports, through seaports	55,761	48,148	38,841	30,039	31,197	33,570
Imports, Great Lakes ports	6,385	7,590	4,016	3,072	3,034	4,287
Exports, Great Lakes ports	13,773	11,924	9,294	7,475	7,565	9,488
Domestic commerce, unadjusted total	527,535	477,220	403,918	319,870	377,777	403,027
Coastwise, between ports	124,999	117,821	113,949	94,434	110,346	113,240
Great Lakes, between ports	135,838	109,791	71,788	39,544	69,240	71,795
Local traffic of seaports and Great Lakes ports [1]	91,892	81,403	70,814	57,929	57,993	64,744
Traffic between seaports and river points	39,632	35,601	34,044	24,134	23,244	31,179
Traffic on rivers, canals, and connecting channels [2]	135,174	132,604	113,323	103,829	116,954	122,069
Foreign and domestic, unadjusted total	655,045	591,330	493,444	390,299	447,244	480,925
Deduction of duplications:						
Traffic between seaports and river points	39,632	35,601	34,044	24,134	23,244	31,179
Other duplications (canals, etc.) [3]	31,613	35,449	13,752	23,676	29,896	35,438
Net total, foreign and domestic	583,800	520,280	445,648	342,489	394,104	414,308
Approximate net total, domestic [4]	456,290	406,170	356,122	272,060	324,637	336,410

[1] Includes the following, with figures for 1934: Harbor traffic of New York, Philadelphia, and San Francisco (37,470,000 tons); local traffic of other seaports (21,731,000); local traffic of lake ports (1,797,000).

[2] Excluding St. Marys Falls Canal traffic (42,248,000 tons in 1934) and additional Detroit River traffic (30,469,000 tons in 1934), 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. 463.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1934

NOTE.—In thousands of short tons of 2,000 pounds. In addition to the commerce here shown, many of the ports have (1) commerce with ports on internal rivers and canals; (2) purely local port traffic, including in the case of New York, Philadelphia, and San Francisco, what is called intraport traffic between parts of a harbor for which separate statistics are maintained. These forms of traffic, although the aggregate tonnage is large, are of much less economic importance than foreign and coastwise traffic

Port	Imports	Exports	Coastwise	
			Receipts	Shipments
Grand total	30, 553	33, 570	115,440	111, 039
Atlantic ports	25, 027	10, 444	83, 043	39, 659
Searsport, Me	9	4	457	103
Portland, Me	342	21	1, 943	260
Portsmouth, N.H	32	2	317	1
Boston Harbor, Mass	2, 579	238	11, 129	1, 233
Beverly, Mass	22	-------	519	14
Salem, Mass	(1)	-------	585	-------
Lynn, Mass	61	-------	306	(1)
New Bedford and Fairhaven, Mass	(1)	(1)	615	29
Fall River, Mass	97	-------	1, 468	569
Providence, R.I	308	3	4, 004	1, 350
New London, Conn	15	-------	448	77
New Haven, Conn	7	-------	2, 153	236
Bridgeport, Conn	28	-------	1, 006	39
Stamford, Conn	-------	-------	255	20
New York Harbor, N.Y	11, 915	5, 979	28, 569	6, 946
Hempstead, N.Y	-------	-------	275	1, 719
Port Jefferson, N.Y	-------	-------	96	575
Philadelphia, Pa.[2]	4, 045	1, 436	14, 071	5, 028
Baltimore, Md	3, 006	629	4, 484	1, 453
Hampton Roads, Va	746	979	1, 848	16, 337
Wilmington, N.C	133	32	832	25
Charleston Harbor, S.C.[3]	337	174	949	248
Savannah, Ga	401	304	1, 084	494
Brunswick, Ga	31	51	259	213
Jacksonville, Fla	161	311	1, 342	892
Miami, Fla	14	33	491	111
Key West, Fla	25	51	43	3
San Juan, P. R	204	18	406	238
Ponce Harbor, P. R	49	1	93	202
Gulf ports	3, 191	13, 330	9, 470	48, 944
Charlotte, Fla	-------	218	1	338
Tampa, Fla	67	944	1, 015	951
Pensacola, Fla	44	311	147	52
Mobile, Ala	180	678	832	548
Gulfport, Miss	35	151	18	-------
New Orleans, La	1, 818	1, 861	2, 896	2, 502
Gulf ports—Con.				
Baton Rouge, La	169	592	26	2, 489
Norco, Good Hope, St. Rose, La	107	89	955	889
Galveston, Tex	187	727	532	1, 043
Texas City, Tex	17	107	104	2, 136
Houston, Tex	353	3, 213	1, 030	12, 730
Freeport, Tex	-------	187	(1)	187
Port Aransas, Tex	-------	-------	-------	646
Sabine, Tex	-------	-------	-------	665
Port Arthur, Tex	20	2, 467	646	9, 709
Beaumont, Tex	153	1, 398	1, 033	12, 104
Corpus Christi, Tex	3	224	133	391
Pacific ports	2, 336	9, 796	22, 927	22, 437
San Diego, Calif	40	10	447	25
Los Angeles, Calif	497	4, 080	3, 644	5, 833
San Luis Obispo, Calif	-------	486	3	1, 729
San Francisco Bay, Calif	770	1, 920	8, 122	5, 419
Monterey, Calif	-------	-------	54	517
Humboldt, Calif	-------	12	186	146
Long Beach, Calif	53	316	864	1, 469
Coos Bay, Oreg	-------	168	55	127
Portland, Oreg	79	794	2, 577	917
Other ports on Columbia and Willamette Rivers	1	80	122	210
Longview, Wash	5	109	101	279
Grays Harbor, Wash	-------	320	128	253
Port Gamble, Wash	-------	11	26	147
Olympia, Wash	-------	82	113	257
Tacoma, Wash	216	353	500	553
Seattle, Wash	259	584	3, 024	1, 263
Everett, Wash	17	77	96	196
Anacortes, Wash	33	26	140	68
Bellingham, Wash	28	120	107	278
Port Angeles, Wash	181	47	232	129
Port Townsend, Wash	31	1	292	51
Port Ludlow, Wash	-------	21	1	184
Honolulu, Hawaii	73	17	1, 118	779
Kahului, Hawaii	11	1	158	211
Hilo, Hawaii	12	8	158	250

[1] Less than 500 tons.
[2] Including Delaware and Schuylkill Rivers, Pa.
[3] Including Ashley River.

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

No. 464.—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			
	1931	1932	1933	1934	1931	1932	1933	1934
Total	74, 300	42, 484	72, 230	75, 341	82, 586	47, 151	76, 849	82, 023
Agate Bay, Minn	67	7	65	80	3, 742	460	3, 878	3, 584
Alpena, Mich	207	133	144	143	1, 412	1, 763	2, 146	1, 178
Ashland, Wis	590	337	287	319	3, 259	756	2, 689	2, 561
Ashtabula, Ohio	2, 123	406	2, 338	1, 961	4, 021	3, 460	3, 382	4, 387
Buffalo, N.Y	9, 695	6, 716	9, 223	8, 902	2, 359	2, 016	2, 003	2, 230

No. 464.—Great Lakes, Commerce of the Principal Ports—Continued

Port	Receipts				Shipments			
	1931	1932	1933	1934	1931	1932	1933	1934
Calumet, Mich	40	24	169	55	3,753	1,323	2,643	3,208
Charlotte, N. Y. (Rochester)	138	74	63	56	851	503	427	446
Chicago, Ill.[1]	7,046	2,741	5,977	6,098	2,472	2,112	1,935	1,509
Cleveland, Ohio	4,683	2,230	6,929	5,968	1,953	1,929	2,673	2,627
Conneaut, Ohio	4,246	369	3,146	3,691	1,426	832	1,211	1,828
Detroit, Mich.[2]	7,813	6,218	7,659	8,293	751	687	1,290	1,069
Duluth-Superior	8,766	6,615	7,251	9,228	17,692	3,904	15,328	16,322
Erie, Pa	1,269	306	1,405	1,555	2,416	1,753	2,336	2,432
Escanaba, Mich	154	119	204	279	1,784	368	1,833	1,713
Fairport, Ohio	1,719	674	2,214	1,555	529	1,052	987	937
Frankfort, Mich	607	656	467	557	480	375	324	339
Gary, Ind	3,997	379	2,701	3,211	60	58	55	24
Grand Haven, Mich	365	242	204	89	447	595	214	65
Green Bay, Wis	1,374	1,197	1,536	1,593	6	18	19	25
Huron, Ohio	489	205	583	448	828	569	617	656
Indiana Harbor, Ind	3,012	838	2,275	3,520	1,406	1,478	1,319	1,750
Kewaunee, Wis	168	151	119	112	207	149	169	198
Lorain, Ohio	2,266	772	2,870	2,705	1,468	981	1,143	1,088
Ludington, Mich	222	540	699	742	1,541	872	901	830
Manistique, Mich	88	50	48	62	85	61	81	103
Manitowoc, Wis	1,083	801	821	782	503	514	404	441
Marquette Harbor, Mich	162	99	149	152	450	137	467	696
Marquette Bay, Mich					1,372	200	2,194	1,748
Menominee, Mich. and Wis	409	338	508	544	173	108	111	119
Milwaukee, Wis	4,840	4,185	4,826	4,837	1,682	1,044	1,503	1,194
Muskegon, Mich	583	285	539	785	94	313	179	333
Ogdensburg, N. Y	404	409	386	475	460	323	190	232
Oswego, N. Y	19	117	260	145	87	162	169	209
Port Huron, Mich	383	526	538	439	17	2	7	7
Port Inland Harbor, Mich					766	230	920	1,000
Rockport, Mich	5	6	5		519	168	202	234
Saginaw River, Mich	738	441	731	865	312	366	308	506
Sandusky, Ohio	41	62	12	3	6,498	4,644	6,114	6,281
Sault Ste. Marie, Mich	494	320	405	541	(3)	1	9	20
Sheboygan, Wis	368	468	449	414	11	12	7	2
Sturgeon Bay, Wis	27	23	12	24	210	198	78	178
Toledo, Ohio	1,439	1,035	1,865	2,107	13,133	9,697	12,984	16,142
All other	2,161	1,370	2,148	2,006	1,351	958	1,400	1,572

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

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

No. 465.—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, freight originating	Yearly average or year	All canals	Erie division, freight originating			
					Total	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	1931–1935	4,014,269	3,516,522	923,230	105,677	1,202,495
1861–1865	5,049,341	2,743,929	1927	2,581,892	2,047,774	791,037	325,076	327,616
1866–1870	5,987,724	3,018,359	1928	3,089,998	2,535,684	1,118,788	307,642	343,593
1871–1875	5,974,097	3,326,073	1929	2,876,160	2,422,204	810,385	229,047	398,831
1876–1880	5,219,888	3,542,020	1930	3,605,457	3,044,271	1,152,200	264,292	653,399
1881–1885	5,210,389	3,495,590	1931	3,722,012	3,277,936	1,149,471	202,978	781,867
1886–1890	5,281,441	3,589,631	1932	3,643,433	3,186,094	1,039,698	130,674	880,095
1891–1895	4,112,061	2,962,528	1933	4,074,002	3,574,951	705,950	94,182	1,239,632
1896–1900	3,544,951	2,446,065	1934	4,142,728	3,645,125	883,510	35,483	1,513,020
1901–1905	3,335,210	2,144,492	1935	4,489,172	3,898,506	837,520	65,066	1,597,863
1906–1910	3,238,129	2,206,595						

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

No. 466.—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
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	33,130	33,807	1.02	534
1934	42,248	30,455	11,793	36,218	6,030	34,412	35,153	1.02	620
1935	48,293	37,192	11,101	41,532	6,761	39,141	41,783	1.07	688

	1910	1915	1920	1925	1930	1934	1935
Passengers carried ... number	66,933	50,336	68,451	56,956	45,303	33,636	32,937
Freight, eastbound ... 1,000 tons	47,134	56,369	63,464	67,305	57,067	30,455	37,192
Flour ... 1,000 bbls	7,576	8,437	7,478	9,289	8,532	6,162	6,841
Wheat ... 1,000 bus	86,260	255,482	143,456	292,818	243,027	173,034	179,603
Other grain ... do	39,243	64,756	51,630	149,927	55,434	46,499	43,107
Lumber ... 1,000 ft. b. m.	[1] 603,101	[1] 456,451	[1] 192,854	[1] 186,486	[1] 150,986	27,897	40,044
Pulpwood ... 1,000 cords						130	114
Iron ore ... 1,000 short tons	41,600	45,212	56,643	53,821	46,990	22,945	29,278
All other ... do	380	506	176	222	351	421	639
Freight, westbound ... 1,000 tons	15,299	14,921	15,818	14,570	15,831	11,793	11,101
Coal ... do	13,514	13,357	14,156	12,874	14,059	10,408	9,162
All other ... do	1,715	1,564	1,662	1,696	1,772	1,385	1,939

[1] 1,000 ft. b. m.

No. 467.—OHIO RIVER TRAFFIC: Tonnage, Ton-mileage, and Freight

Note.—Figures exclude ferry traffic. In 1934 the tons of freight carried on ferries were reported as 1,072,249 but the hauls, of course, are very short. The passengers carried other than on ferries for 1934 were 1,228,720. 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*
1922	6,292	807,793	144,796	1933—Total	16,751	1,708,422	199,235
1923	8,281	----------	110,022	Up	2,518	----------	37,110
1924	10,867	----------	128,356	Down	4,408	----------	35,418
1925	15,737	825,497	151,622	Inbound	7,929	----------	73,429
1926	19,755	----------	150,086	Outbound	1,896	----------	53,278
1927	20,129	1,214,491	168,423				
1928	20,938	1,344,687	191,519	1934—Total	18,636	1,783,925	224,444
1929	21,955	1,512,585	192,308	Up	2,265	----------	34,899
1930	22,337	1,473,927	188,245	Down	4,987	----------	36,579
1931	18,071	1,486,445	166,987	Inbound	9,009	----------	81,532
1932	14,317	1,392,229	153,757	Outbound	2,374	----------	71,435

Source of tables 466 and 467: Reports of the Chief of Engineers, United States Army.

No. 468.—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 [1]	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Receipts	Shipments
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	651,002	1,037,652	1,391,234	1,821,025	1,363,254	7,738,396	467,616	5,359,639
1926	420,379	585,600	732,729	927,459	1,165,142	3,627,638	1,462,325	9,612,163	2,828,072	6,116,517
1927	448,459	659,743	839,718	1,304,599	1,371,134	2,986,963	1,727,352	7,089,393	2,150,476	4,633,338
1928	474,173	956,010	855,631	1,675,625	1,856,842	2,946,998	1,680,541	6,974,085	1,372,071	4,804,534
1929	309,986	581,770	699,019	1,629,315	1,362,443	1,472,617	1,530,519	6,196,864	1,424,738	3,830,807
1930	341,158	585,799	726,417	2,104,930	949,015	1,428,553	2,540,936	6,636,769	830,296	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	930,246	3,796,431
1932	608,982	968,408	1,140,997	1,764,265	2,200,004	2,574,598	2,589,318	5,893,243	644,754	4,310,034
1933	845,176	1,153,787	1,259,447	1,619,106	1,814,826	2,153,501	2,739,496	6,373,243	432,818	4,423,240
1934	951,028	906,983	1,379,090	1,695,416	2,095,591	1,784,720	3,478,841	5,708,126	670,860	4,011,825

	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	1933	1934	1933	1934	1933	1934	1933	1934
Upbound	845,176	951,028	1,259,447	1,379,090	1,814,826	2,095,591	2,739,496	3,478,841
Coffee	46,341	37,761	55,940	59,159	65,766	70,829	68,141	73,865
Fruits and vegetables, canned	26,997	18,061	36,076	29,456	45,091	36,887	48,914	42,864
Sugar	109,927	165,329	283,313	314,790	332,672	346,939	359,761	371,550
Sisal	52,291	26,969	47,180	31,369	47,895	31,285	47,875	31,485
Burlap and bagging	21,060	14,509	35,735	18,924	41,110	21,973	42,069	22,669
Logs, barged			9,865	2,425	17,249	34,411	787	3,587
Petroleum and products [2]	7,079	35,038	237,902	314,366	499,878	688,917	1,685,428	2,415,160
Gravel and sand		114,700	13,691	73,785	211,733	402,243	600	36,112
Cement	20,781	32,648	2,689	2,783	12,500	6,300	19,568	20,943
Concrete			26,528	59,100	140,864	38,735	81,274	75,664
Sulphur	46,045	63,004	86,964	88,895	89,147	88,895	86,364	89,659
All other	514,655	443,009	423,564	384,038	310,921	328,177	298,715	295,283
Downbound	1,153,787	906,983	1,619,106	1,695,416	2,153,501	1,784,720	6,373,243	5,708,126
Wheat	21,497	8,962	10,464	9,367	2,888	1,482	2,888	1,482
Corn	154,072	119,103	141,416	124,568	132,000	95,871	131,992	101,936
Fruits and vegetables, canned	13,193	15,220	42,627	37,322	32,295	25,396	30,600	24,552
Tobacco	766	2,040	8,781	8,784	27,864	23,827	26,390	23,849
Cotton, raw		1,547	14,826	8,957	49,816	28,598	79,024	53,826
Logs, barged	399	35	9,805	3,210	1,430	39,972	67,485	55,358
Logs, rafted or floated	450	210	112,764	64,849	210,053	137,472	45,975	50,990
Coal and coke [2]	38,044	100,957	100,774	123,390	34,473	38,246	64,265	7,299
Petroleum and products [2]	51,401	126,609	18,018	43,143	390,021	369,065	5,472,485	4,889,273
Stone	494,753	216,388	81,468	137,603	121,557	77,641		2,869
Gravel and sand	3,541	375	238,837	164,190	279,686	231,426	5,848	29,485
Cement	43,451	84,680	71,821	91,798	9,419	6,815	1,694	52
Concrete			164,193	115,779	171,930	222,418		
Iron and steel products	50,894	40,604	280,697	392,908	165,180	166,234	128,645	186,141
Machinery	8,775	6,289	13,463	46,164	21,243	39,574	14,285	18,057
All other	272,551	183,964	309,152	323,384	503,646	280,683	301,667	262,957

[1] Traffic is also included in report for Vicksburg to New Orleans.
[2] Petroleum coke is included with coal and coke.

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

No. 469.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 403. 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
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
1934	24,904	18,335	6,569	14,862	12,687	2,175	4,598	10,220	9	35
1935	24,919	18,495	6,424	14,654	12,535	2,118	4,560	10,049	9	35

Classes	Number					Thousands of gross tons				
	1910	1920	1930	1934	1935	1910	1920	1930	1934	1935
By utilization:										
Registered—										
Foreign trade	1,490	5,932	4,175	3,828	3,859	783	9,925	6,296	4,598	4,560
Whale fisheries	36	26	14	14	14	9	4	7	9	9
Enrolled—										
Coasting and internal trade	13,654	12,181	12,497	12,219	12,041	6,555	6,233	9,608	10,100	9,928
Cod and mackerel fisheries	395	196	261	232	230	39	32	36	30	30
Licensed—										
Coasting and internal trade	9,328	9,463	8,004	8,382	8,553	114	124	115	120	122
Cod and mackerel fisheries	337	385	263	229	222	8	6	6	5	5
By location:										
Atlantic and Gulf[5]	17,084	16,850	14,321	14,324	14,310	3,523	9,739	9,904	9,932	9,837
Pacific[6]	3,574	6,512	6,466	6,472	6,508	937	3,326	3,227	2,951	2,863
Northern lakes	3,273	3,091	2,450	2,206	2,195	2,895	3,139	2,758	1,802	1,773
Western rivers	1,809	1,730	1,977	1,902	1,906	154	120	178	177	181
By power:										
Sail	8,947	4,030	1,584	1,094	999	1,655	1,272	757	500	441
Steam[7]	12,452	8,103	6,087	5,332	5,166	4,900	13,466	12,775	11,599	11,433
Motor[7]	--------	10,711	12,124	13,003	13,329	--------	357	982	1,087	1,102
Canal boats	674	448	226	154	99	74	52	29	20	14
Barges	3,667	4,891	5,193	5,321	5,326	878	1,177	1,525	1,655	1,663
By material:										
Wood	23,527	23,781	20,211	19,921	19,878	3,391	3,876	2,554	2,261	2,185
Metal	2,213	4,402	5,003	4,983	5,041	4,117	12,448	13,514	12,601	12,469

[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. 470.—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	3,880,639
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
1931–1935	828	184,034	1930	1,020	254,296
1910	1,361	342,068	1931	1,302	386,906
1911	1,422	291,162	1932	722	212,892
1912	1,505	232,669	1933	642	190,803
1913	1,475	346,155	1934	724	66,649
1914	1,151	316,250	1935	748	62,919

[1] Years ended Dec. 31 from 1797 to 1834; Sept. 30 from 1835 to 1842; June 30 beginning with 1843.
[2] Nine-year average, there being no record of the tonnage for 1802.
[3] Average for period Jan. 1, 1831, to Sept. 30, 1840.
[4] Average for period Oct. 1, 1840, to June 30, 1850.

Source: Reports of the Commissioner of Navigation.

No. 471.—VESSELS BUILT IN UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: By Classes and Region

Note.—For definition of "gross ton" see general note p. 403. Data are for years ended June 30

Class and where built	1916–1920, average	1921–1925, average	1926–1930, average	1931–1935, average	1932	1933	1934	1935
Total ..... **number**	**1,556**	**998**	**928**	**828**	**722**	**642**	**724**	**748**
Gross tons	**1,899,604**	**737,190**	**222,054**	**184,034**	**212,892**	**190,803**	**66,649**	**62,919**
Sailing ..... number	82	38	9	4	2	3	3	6
Gross tons	70,599	27,685	365	40	18	46	33	50
Steam and motor ..... number	1,111	697	646	585	523	539	577	602
Gross tons	1,734,296	639,341	148,737	120,672	164,620	168,488	26,916	30,341
Canal boats ..... number	19	9	5	(1)	----------	----------	----------	----------
Gross tons	2,613	1,043	952	52	----------	----------	----------	----------
Barges ..... number	344	254	268	239	197	100	144	140
Gross tons	92,096	69,121	71,999	63,270	48,254	22,269	39,700	32,528
Metal ..... gross tons	1,511,043	631,109	151,808	125,483	174,794	163,148	37,512	39,758
Wood ..... do	388,561	106,081	70,246	58,551	38,098	27,655	29,137	23,161
Gross tons built on:								
New England coast	112,835	45,913	10,874	21,485	52,163	25,851	862	1,910
Middle Atlantic and Gulf coasts	833,438	442,721	123,600	129,835	133,625	151,823	37,390	38,452
Pacific coast	687,076	174,926	28,612	15,059	9,741	3,919	11,694	8,692
Northern lakes	260,138	58,317	45,292	8,347	11,813	2,044	4,404	3,937
Western rivers	6,117	15,313	13,676	9,309	5,550	7,166	12,299	9,928

[1] One canal boat of 258 gross tons built in 1931.

Source: Reports of the Commissioner of Navigation.

No. 472.—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. 403. Vessels under construction in the world Dec. 31, 1935, numbered 393 of 1,543,153 gross tons; in the United States, 9 of 33,371 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
1931–1935, average	484	1,020,444	461	1,010,567	25	83,485
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
1934	536	967,419	514	954,777	21	24,625
1935	649	1,302,080	617	1,290,660	14	32,607

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

Source: Lloyd's Register of Shipping.

No. 473.—MERCHANT MARINE OF THE WORLD AND THE UNITED STATES

Note.—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia are not included. Figures for Philippine Islands are included with United States beginning with 1910. See general note, p. 403

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	1931	70,131	13,642
1900	28,957	2,750	1925	64,641	15,377	1932	69,734	13,547
1905	35,998	3,996	1928	66,955	14,633	1933	67,920	13,358
1910	41,913	5,059	1929	68,074	14,482	1934	65,577	13,045
1915	49,262	5,893	1930	69,608	14,046	1935	64,886	12,852

	Number					Thousands of tons (see headnote)					
	1910	**1920**	**1930**	**1934**	**1935**	**1910**	**1914**	**1920**	**1930**	**1934**	**1935**
World total	**30,058**	**31,595**	**32,713**	**30,997**	**30,979**	**41,915**	**49,090**	**57,314**	**69,608**	**65,577**	**64,886**
Steam and motor	22,008	26,513	29,996	28,964	29,071	37,291	45,404	53,905	68,024	64,358	63,727
Steel and iron	20,403	23,382	27,595	26,680	26,564	36,769	44,934	51,661	67,304	63,791	63,141
Wood and composite	1,605	3,131	2,401	2,284	2,507	521	470	2,244	720	566	586
Sailing	8,050	5,082	2,717	2,033	1,908	4,624	3,686	3,409	1,584	1,219	1,159
Steel and iron	2,115	1,314	742	717	718	2,508	2,095	1,524	654	584	579
Wood and composite	5,935	3,768	1,975	1,316	1,190	2,116	1,590	1,885	930	634	580
United States	**3,469**	**5,457**	**4,223**	**3,739**	**3,629**	**5,059**	**5,368**	**16,049**	**14,046**	**13,045**	**12,852**
Steam and motor	1,712	4,110	3,517	3,218	3,194	3,827	4,330	14,574	13,202	12,382	12,223
Steel and iron	1,270	3,242	3,001	2,827	2,783	3,602	4,120	13,341	12,914	12,202	12,042
Wood and composite	442	868	516	391	411	226	210	1,234	288	180	181
Sailing	1,757	1,347	706	521	498	1,232	1,038	1,475	844	663	629
Steel and iron	139	154	147	153	156	245	236	304	288	281	278
Wood and composite	1,618	1,193	559	368	342	987	803	1,171	556	382	351

Source: Lloyd's Register of Shipping.

No. 474.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: By Nationality of Vessel

Note.—See general note, p. 403. Net tonnage is according to Panama Canal measurement. Beginning 1935, vessels of less than 300 tons are excluded

Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
Total traffic:				
1915-1935, total	84, 673	394, 567	359, 855	389, 077
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
1934	5, 533	28, 567	24, 064	24, 719
1935	5, 180	27, 806	23, 307	25, 310
United States:				
1915-1935, total	37, 012	186, 542	170, 662	187, 629
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
1934	2, 269	13, 226	11, 187	11, 578
1935	2, 143	12, 266	10, 216	10, 826
British:				
1933	1, 039	5, 660	4, 814	4, 171
1934	1, 208	6, 831	5, 757	5, 193
1935	1, 170	6, 635	5, 671	5, 776
Chilean:				
1933	7	27	25	28
1934	7	27	24	22
1935	13	44	42	39
Danish:				
1933	113	531	423	449
1934	135	637	502	533
1935	125	593	468	556
Danzig:				
1933	44	344	305	348
1934	70	559	501	575
1935	49	388	352	440
French:				
1933	66	382	305	249
1934	92	509	405	431
1935	116	662	535	570
German:				
1933	325	1, 011	823	813
1934	301	1, 060	871	962
1935	341	1, 317	1, 116	1, 301
Italian:				
1933	52	395	317	189
1934	68	478	378	256
1935	77	488	397	336
Japanese:				
1933	217	1, 180	1, 154	1, 160
1934	258	1, 413	1, 378	1, 511
1935	255	1, 484	1, 375	1, 446
Netherlander:				
1933	80	500	414	381
1934	91	535	441	403
1935	114	548	456	439
Norwegian:				
1933	407	2, 014	1, 571	1, 773
1934	450	2, 237	1, 748	2, 081
1935	515	2, 479	1, 946	2, 464
Panamanian:				
1933	324	121	93	79
1934	383	287	239	151
1935	103	204	154	122
Swedish:				
1933	88	423	321	403
1934	122	569	451	767
1935	111	546	439	783
Miscellaneous:				
1933	46	136	121	146
1934	79	197	181	255
1935	48	151	139	212

No. 475.—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. 403. Beginning 1935, vessels of less than 300 tons are excluded

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
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
1934	5, 533	34, 374	28, 567	24, 719	6, 167	18, 551
1935	5, 180	33, 013	27, 806	25, 310	7, 530	17, 780

[1] Panama Canal measurement.

Source of tables 474 and 475: Report of the Governor of the Panama Canal.

No. 476.—REVENUES, EXPENSES, AND COMPUTED SURPLUS OF THE PANAMA CANAL

[In thousands of dollars]

Year ended June 30—	Tolls	Civil revenues	Business profits	Total revenue	Net appropriation expenses [1]	Net revenues	Capital interest, 3 percent [2]	Computed surplus
1914 to 1921	44, 566	1, 421	1, 100	47, 086	45, 986	1, 100		1, 100
1922	11, 193	192	323	11, 709	8, 169	3, 540	15, 759	[3] *12, 219*
1923	17, 508	184	1, 141	18, 832	7, 941	10, 892	15, 759	[3] *4, 867*
1924	24, 290	392	902	25, 583	8, 624	16, 960	15, 759	1, 200
1925	21, 375	208	766	22, 349	8, 367	13, 982	15, 759	[3] *1, 777*
1926	22, 927	218	841	23, 986	8, 243	15, 743	15, 796	[3] *53*
1927	24, 217	392	877	25, 485	9, 248	16, 238	15, 831	407
1928	26, 944	233	737	27, 913	9, 201	18, 712	15, 845	2, 866
1929	27, 124	243	738	28, 105	9, 887	18, 218	15, 875	2, 342
1930	27, 077	349	761	28, 187	9, 594	18, 593	15, 901	2, 693
1931	24, 645	346	563	25, 553	10, 393	15, 160	15, 951	[3] *791*
1932	20, 707	327	557	21, 591	9, 839	11, 752	15, 914	[3] *4, 162*
1933	19, 621	310	1, 136	21, 067	9, 156	11, 911	15, 993	[3] *4, 082*
1934	24, 065	97	1, 367	25, 528	7, 351	18, 177	16, 176	2, 001
1935	23, 339	82	1, 021	24, 442	8, 901	15, 541	16, 312	[3] *771*
Total	359, 596	4, 994	12, 829	377, 418	170, 901	206, 517	222, 632	[3] *16, 114*

[1] After deduction of canal earnings repaid to appropriations.
[2] No interest charge against the Canal is actually made by the Treasury. In order to present the net results of the operation of the Canal, the interest on capital invested is computed at a rate considered reasonable for Government borrowings over an indefinite period. Computed interest to June 30, 1921, is included in capital investment account.
[3] Deficit.

Source: Annual Report of the Governor of the Panama Canal.

No. 477.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: By Regions

Note.—The table covers all disasters involving damage or loss amounting to $300 or more. The figures exclude some reports of casualties to United States vessels received after the closing of the report for the year which are not distributed by regions. Casualties to United States vessels in the Panama Canal Zone are not included in the table; data for 1935 are as follows: Vessels involved, 2; tonnage, 11,986; property loss, $5,000; persons on board, 66; 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:									
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
1931–1935	217	546	60	1, 815	11, 824	1, 679	8, 134	17, 819	164
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
1934	179	654	69	2, 307	10, 404	2, 327	10, 328	20, 941	68
1935	161	645	52	2, 233	15, 034	1, 952	9, 768	21, 154	355
Atlantic, Gulf, and Pacific coasts:									
1932	174	284	45	766	7, 413	939	5, 754	7, 698	60
1933	139	315	34	866	4, 687	339	2, 202	8, 959	94
1934	100	344	23	941	4, 246	999	6, 925	7, 885	42
1935	106	384	41	1, 113	10, 616	1, 082	6, 048	10, 924	317
Great Lakes:									
1932	16	23	4	71	707	4	57	472	2
1933	17	35	7	122	929	28	18	907	7
1934	16	29	6	106	671	80	252	838	8
1935	12	71	4	320	1, 186	41	330	2, 125	7
Rivers of the United States:									
1932	67	74	11	179	1, 788	104	94	1, 730	33
1933	75	67	16	155	2, 364	204	928	1, 877	28
1934	43	103	4	352	1, 673	201	881	3, 021	8
1935	31	58	3	127	684	103	229	1, 208	5
At sea and in foreign waters:									
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
1934	20	178	36	908	3, 814	1, 047	2, 270	9, 197	10
1935	12	132	5	673	2, 548	727	3, 161	6, 897	26

Source: U. S. Coast Guard, Treasury Department.

No. 478.—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. 403. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

Origin and class	1934	1935	
	Deadweight tons	Number	Deadweight tons
Grand total	[1] 2,411,518	264	2,264,775
ORIGIN			
Requisitioned steel	411,033	41	372,551
Contract steel	1,867,968	206	1,788,467
Contract wood or concrete		[2] 3	
Purchased	77,004	6	49,808
Seized enemy	55,513	5	53,949
All other		[2] 3	
CLASS			
Steel	12,411,518	261	2,264,775
Cargo (completed)	2,293,865	247	2,165,308

Class	1934	1935	
	Deadweight tons	Number	Deadweight tons
Steel—Continued.			
Cargo and passenger	42,024	4	42,024
Refrigerators	64,665	6	48,043
All other	10,964	[3] 4	9,400
Wood, composite, and concrete		[2] 3	
Active steel	428,044	50	420,146
Cargo	428,044	47	420,146
All other		[2] 3	
Inactive steel	1,983,474	211	1,844,629
Cargo	1,875,221	201	1,754,562
Cargo and passenger	42,024	4	42,024
Refrigerators	64,665	6	48,043
All other	1,564		

[1] Includes 3 vessels of 10,883 deadweight tons transferred or returned to Merchant Fleet Corporation in 1934.
[2] Tugs.
[3] Includes 3 steel tugs.

No. 479.—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		
	1933	1934	1935	1933	1934	1935	1933	1934	1935
Total commerce	[2] 70,561	[2] 80,497	[2] 84,054	35,282	39,596	40,132	14,438	15,265	17,088
Inbound	36,461	40,738	43,878	26,206	28,485	28,581	2,953	3,459	4,892
Outbound	41,707	48,233	47,373	9,076	11,111	11,552	11,484	11,807	12,196
With foreign countries [3]	58,953	67,635	72,112	27,280	30,537	32,265	12,953	13,773	15,582
Imports	26,567	29,814	33,966	19,756	21,252	22,926	2,259	2,801	4,168
Exports	32,386	37,821	38,146	7,524	9,284	9,339	10,694	10,972	11,413
Intercoastal				6,590	7,551	6,235	1,018	923	962
Inbound	7,607	8,474	7,197	5,419	6,120	4,454	494	416	472
Outbound	7,607	8,474	7,197	1,171	1,430	1,781	523	508	490
With noncontiguous territories [4]	4,001	4,389	4,746	1,412	1,509	1,632	467	570	545
Imports	2,287	2,451	2,716	1,031	1,112	1,201	200	242	253
Exports	1,714	1,938	2,030	381	397	431	267	327	293

	Pacific coast ports			Great Lakes ports			Ports in all territories and possessions [5]		
Total commerce	19,446	22,216	22,200	9,002	11,894	11,830	[6] 7,267	[6] 8,053	[6] 7,550
Inbound	4,602	5,047	6,329	2,700	3,748	4,076	[6] 4,450	[6] 4,834	[6] 4,217
Outbound	14,845	17,169	15,871	6,302	8,146	7,754	[6] 2,817	[6] 3,219	[6] 3,334
With foreign countries [3]	9,717	11,432	12,434	9,002	11,894	11,830	[6] 544	[6] 494	[6] 457
Imports	1,852	2,013	2,796	2,700	3,748	4,076	[6] 511	[6] 427	[6] 353
Exports	7,865	9,419	9,639	6,302	8,146	7,754	[6] 33	[6] 68	[6] 104
Intercoastal	7,607	8,474	7,197						
Inbound	1,694	1,938	2,271						
Outbound	5,913	6,536	4,925						
With noncontiguous territories [4]	2,122	2,310	2,569				[1] 6,723	[1] 7,559	[1] 7,094
Imports	1,056	1,096	1,262				[1] 3,939	[1] 4,407	[1] 3,864
Exports	1,066	1,214	1,306				[1] 2,784	[1] 3,152	[1] 3,230

[1] Continental United States.
[2] Duplication in intercoastal trade is eliminated.
[3] In showing trade of Continental United States ports, Philippine Islands, Virgin Islands, and Canal Zone are included with foreign countries.
[4] Alaska, Hawaii, Puerto Rico, Guam, Samoa.
[5] Territories and possessions named in notes 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 478 and 479: United States Shipping Board Bureau, Department of Commerce.

No. 480.—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
1934	29,814	476	12,291	7,076	9,971	37,821	541	8,895	13,164	15,222
1935	33,966	554	13,572	8,122	11,719	38,146	522	8,218	12,635	16,771
Percent distribution:										
1921	100.0	15	56	29		100.0	15	23	62	
1935	100.0	2	40	24	34	100.0	1	22	33	44
Dry cargoes: [1]										
1921	12,357	5,437		6,920		34,855	11,502		23,353	
1925	24,903	2,077	4,997	7,314	10,515	32,556	5,467	3,834	10,494	12,761
1929	29,067	1,744	7,267	8,429	11,627	32,253	4,515	5,806	9,353	12,579
1930	25,461	1,528	6,365	7,638	9,930	25,997	3,120	4,939	7,279	10,659
1931	19,856	1,191	4,765	4,964	8,935	20,855	2,503	4,171	5,214	8,968
1932	14,926	633	3,500	3,633	7,160	15,782	1,698	3,462	3,684	6,938
1933	16,507	632	4,153	3,982	7,740	16,023	749	4,709	3,497	7,068
1934	18,081	476	4,971	4,404	8,230	18,041	540	5,356	3,937	8,208
1935	21,323	554	5,235	5,217	10,317	18,460	522	5,360	3,817	8,761
Percent distribution:										
1921	100.0	44		56		100.0	33		67	
1935	100.0	3	25	24	48	100.0	3	29	21	47
Tanker cargoes: [1]										
1921	17,362	2,662	12,443	2,257		5,980	725	1,667	3,588	
1925	12,783	208	9,238	1,522	1,815	10,368	157	3,500	3,999	2,712
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
1933	7,684	--------	5,078	1,245	1,361	10,536	--------	1,530	2,152	6,854
1934	8,457	--------	5,631	1,087	1,739	11,758	--------	1,581	3,167	7,010
1935	9,035	--------	6,837	862	1,336	12,057	--------	1,189	2,883	7,985
Percent distribution:										
1921	100.0	15	72	13		100.0	12	28	60	
1935	100.0	--------	76	9	15	100.0	--------	10	24	66
North Atlantic ports:										
1932	20,387	444	8,151	4,305	7,487	6,946	535	1,503	1,806	3,102
1933	18,895	512	7,213	4,303	6,867	6,816	399	1,646	1,506	3,265
1934	20,312	427	7,924	4,376	7,585	8,437	483	2,118	2,068	3,767
1935	21,875	529	8,623	4,407	8,317	8,448	438	2,164	1,906	3,941
South Atlantic ports:										
1932	985	13	557	117	298	616	41	200	213	162
1933	861	27	315	109	411	708	44	198	239	228
1934	940	27	332	113	468	847	41	205	230	371
1935	1,051	23	385	92	550	891	47	207	226	411
Gulf ports:										
1932	2,918	176	1,494	256	992	10,296	1,112	1,388	2,217	5,579
1933	2,259	93	955	215	997	10,694	306	2,178	1,728	6,482
1934	2,801	22	1,465	248	1,066	10,972	16	2,330	2,050	6,575
1935	4,168	2	2,110	319	1,737	11,413	38	2,264	1,943	7,169
Pacific ports:										
1932	1,724	(2)	642	476	606	7,848	10	2,038	1,697	4,103
1933	1,852	--------	744	385	723	7,865	--------	2,199	1,795	3,871
1934	2,013	--------	832	394	786	9,419	--------	2,284	2,702	4,433
1935	2,796	--------	920	835	1,041	9,639	--------	1,914	2,521	5,204
Great Lakes ports:										
1932	2,696	--------	1,847	786	63	6,139	--------	1,320	4,780	39
1933	2,700	--------	1,159	1,427	114	6,302	--------	1,386	4,839	78
1934	3,748	--------	1,739	1,943	66	8,146	--------	1,958	6,113	74
1935	4,076	--------	1,534	2,469	73	7,754	--------	1,669	6,039	46

[1] Not including Great Lakes cargoes, which are principally dry.
[2] Less than 500 tons.

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

No. 481.—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		
	1933	1934	1935	1933	1934	1935
Grand total	26,566,967	29,813,903	33,965,678	32,385,550	37,821,061	38,145,865
United Kingdom[1]	908,388	843,628	947,899	3,813,903	3,707,278	3,943,832
England	618,536	611,381	717,700	3,448,039	3,190,773	3,424,677
Ireland[1]	2,687	2,644	11,878	128,390	196,313	110,559
Scotland	101,561	94,018	117,968	207,832	269,420	354,547
Wales	185,604	135,580	100,353	29,642	41,772	54,049
North Atlantic and Baltic Europe	1,476,926	1,379,096	1,796,524	930,866	1,199,045	1,306,335
Greenland	3,000	3,265	6,200	1,338		
U. S. S. R. (Russia)	94,595	56,998	162,506	19,802	21,861	54,943
Finland	216,786	203,797	244,994	36,595	73,103	53,937
Norway	261,869	278,992	356,675	119,047	177,474	178,884
Sweden	737,209	656,972	726,748	312,780	430,030	506,407
Denmark	33,320	36,029	56,232	235,012	206,294	248,275
Danzig	74,384	88,903	114,171	9,698	14,836	38,748
Poland	15,662	35,132	88,309	105,008	209,163	135,757
Germany	19,454	5,871	1,461	58,195	45,592	73,476
Estonia	12,012	9,337	7,611	8,247	8,719	8,432
Latvia		500	29,195	14,144	1,475	1,476
Lithuania	8,535	2,400	2,422	11,000	10,498	6,000
Havre-Hamburg range	1,878,856	1,567,606	2,076,730	5,686,383	5,272,774	4,762,081
Germany	772,666	680,226	936,464	1,743,356	1,405,608	1,435,030
Netherlands	535,361	394,762	324,242	1,192,790	1,196,008	975,664
Belgium	474,254	387,694	706,407	947,613	1,012,781	1,013,290
France	96,575	104,924	109,617	1,802,624	1,658,377	1,338,097
South Atlantic Europe	462,094	442,325	494,775	865,054	791,828	948,105
France	16,610	11,245	14,350	528,036	442,516	514,255
Portugal	63,302	48,937	44,050	42,246	65,476	147,346
Spain	382,068	381,965	436,307	209,021	248,321	260,587
Azores Islands	102	85	68	357	406	33
Canary Islands				84,225	33,640	22,783
Madeira	12	93		1,169	1,469	3,101
West Mediterranean	435,941	482,277	442,422	1,819,154	1,895,945	2,390,716
Spain	119,584	144,129	130,835	211,083	286,956	453,926
France	36,354	28,881	43,703	643,581	507,883	520,166
Italy	214,126	212,161	200,147	917,692	1,040,962	1,336,796
Yugoslavia	3,158	16,805	18,471	4,661	12,364	16,945
Malta	10		2	8,806	12,677	5,127
Tunisia	28,375	10,113	19,168	772	1,081	11,271
Algeria	18,198	63,630	30,095	30,222	29,511	43,342
Morocco	16,136	6,558	1	2,337	4,511	3,143
East Mediterranean and Black Sea	602,128	698,447	863,552	151,379	194,600	369,338
Rumania	9,045	7,524	25,503	3,490	18,807	54,072
U. S. S. R. (Russia)	442,280	535,678	667,615	1,234	11,010	17,837
Turkey	65,472	62,880	46,190	13,534	9,861	54,154
Cyprus	2,202	4,262	34,403			
Greece	41,107	46,955	42,788	49,833	63,788	96,847
Egypt	33,618	35,643	40,851	57,182	66,078	95,870
Palestine	248	1,244	674	12,926	16,196	25,322
Syria	5,966	3,609	4,030	13,180	7,848	20,987
West Indies	4,903,551	5,419,637	6,481,568	1,319,221	1,771,924	1,747,240
Cuba	2,422,947	2,773,668	3,010,672	637,097	910,497	978,998
Jamaica	42,846	44,882	49,247	71,142	89,719	95,506
Bahama Islands	6,294	4,636	12,359	13,220	14,220	15,595
Haiti	36,546	40,125	34,464	46,006	46,929	35,952
Dominican Republic	146,368	119,068	174,023	69,715	44,314	38,901
Lesser Antilles	2,246,882	2,435,794	3,199,840	458,533	643,465	557,347
Bermudas	1,668	1,464	963	22,908	22,780	24,941
Mexico	1,355,889	1,373,214	1,089,282	249,746	320,629	305,440
Central America	872,657	913,562	1,007,864	689,990	843,651	759,015
British Honduras	4,668	22,942	43,718	7,910	5,329	5,432
Guatemala	93,674	103,243	171,827	51,313	64,817	39,104
Honduras	357,144	400,367	319,915	70,639	85,970	85,105
Nicaragua	92,575	71,734	91,949	17,923	15,372	13,456
Costa Rica	110,174	90,292	87,140	22,437	23,756	19,978
Panama	85,494	96,492	124,292	9,460	3,823	9,772
Canal Zone	118,152	117,643	144,767	485,300	605,170	570,553
El Salvador	10,776	10,849	24,256	25,008	39,414	15,615

[1] Includes Irish Free State.

No. 481.—Cargo Tonnage of Water-Borne Imports and Exports: By Trade Regions and Individual Countries—Continued

Foreign origin or destination	Imports			Exports		
	1933	1934	1935	1933	1934	1935
North Coast South America	3,578,635	4,159,216	4,317,128	158,662	234,710	219,477
Venezuela	2,266,395	3,263,710	3,406,838	92,857	141,469	117,862
British Guiana	33,008	46,586	84,532	4,941	7,192	6,691
Surinam (Netherland Guiana)	106,004	101,756	108,685	7,802	5,756	9,713
French Guiana			10	2,701	3,438	3,242
Colombia	1,173,228	747,164	717,063	50,361	76,855	81,969
East Coast South America	1,208,552	1,212,371	2,526,079	994,003	1,361,740	1,340,221
Brazil	616,949	611,508	738,634	481,503	579,179	554,642
Uruguay	37,229	46,927	64,744	84,213	164,230	177,592
Argentina	549,534	553,936	1,722,701	428,287	618,331	607,987
South Atlantic Islands	4,840					
West Coast South America	927,274	1,605,831	1,608,035	299,886	461,780	519,861
Colombia	19,343	20,626	19,264	11,100	25,397	15,824
Chile	713,409	1,470,339	1,450,849	212,726	331,744	367,495
Peru	85,146	74,406	102,930	59,796	96,192	123,794
Ecuador	109,376	40,460	34,992	16,264	8,447	12,748
West Africa	176,091	206,357	324,847	103,995	117,730	136,086
Morocco	11,907	6,949	11,129	8,796	9,689	17,939
Cape Verde Islands	20		21	1,563	952	182
Senegal				4,901	5,969	7,446
Sierra Leone	2,242	1,859	3,233	3,649	4,146	4,276
Liberia	176	174	758	440	1,361	2,284
Ivory Coast	3,991	6,617	14,021	5,881	10,886	12,158
Gold Coast	97,904	144,975	213,091	31,244	30,163	39,207
Togo		206		1,768	2,016	2,557
Dahomey	263		6,251	1,561	2,137	2,848
Nigeria	41,667	31,685	46,929	18,500	21,731	22,200
Cameroons	566	1,581	6,784	3,798	4,997	6,550
Gabon				3,791	6,157	5,514
Belgian Congo	17,333	12,310	21,050	9,397	6,802	4,202
Southwest Africa				1,761	1,582	600
Angola	22			3,390	3,230	1,667
South and East Africa	56,853	85,570	126,204	254,902	469,597	484,785
Union of South Africa	22,408	17,759	11,272	161,058	309,579	295,569
Mozambique	34,436	66,677	97,846	70,315	122,336	126,555
British East Africa		[2] 104	[2] 16,194	[2] 8,527	[2] 11,456	[2] 19,188
French Somaliland	9	1,015	203	373	1,320	1,777
Madagascar			689	6,293	9,897	6,828
Mauritius Island		15		5,040	6,144	4,142
Australia and Antarctic Region	74,009	142,413	320,065	879,576	909,717	985,038
New Guinea	105	222	174	2,591	2,024	1,096
New Zealand	23,582	18,875	41,313	298,860	305,685	277,680
Australia	17,790	73,052	209,269	561,590	572,680	662,944
Fiji Islands	1,896	3,140	3,294	5,884	4,850	6,686
New Caledonia	15,150	23,177	60,625		4,432	2,799
Society Islands	6,731	798	1,233	3,168	8,450	20,364
Gilbert Islands	4,244		4	8		
Tasmania		15		5,694	4,401	1,774
East Indies	841,472	794,098	880,378	136,957	146,726	148,567
Straits Settlements	353,771	387,101	372,342	23,800	30,405	36,775
French Indo-China and Siam	510	3,745	568	7,688	11,756	22,114
Sumatra	159,478	125,297	151,945	9,858	12,206	12,322
Java	245,440	238,726	325,464	90,200	89,490	75,272
Borneo	7,556	4,964	3,830	1,500	20	
Celebes	71,869	34,265	26,229	3,911	2,849	2,084
East Asia	2,186,884	2,542,352	1,980,593	5,571,928	7,348,087	7,313,824
China	173,151	181,998	279,645	1,213,586	1,525,215	880,987
U. S. S. R. (Russia)	1,976	1,901	381	24,165	978	602
Japan	482,267	524,517	699,805	3,768,446	5,242,017	5,847,194
Philippine Islands	1,529,490	1,833,936	1,000,762	565,731	579,877	585,041
India, Persian Gulf, and Red Sea	573,862	643,198	703,846	186,038	180,102	200,783
Anglo-Egyptian Sudan	4,848	4,221	5,706	47	149	835
Egypt	680	410	1,167	4,789	788	285
Iraq	17,341	23,305	35,664			
Arabia	3,953	4,415	4,919	5,566	5,923	8,454
Iran (Persia)	1,502		1,500			
India	490,421	550,668	598,445	166,313	163,795	167,534
Ceylon	55,117	58,179	56,445	9,323	9,447	6,639
Canada	4,046,905	5,302,710	5,977,887	8,273,907	10,593,198	10,265,121
Pacific	428,155	433,595	675,627	841,030	967,217	966,348
Atlantic and Newfoundland	1,022,454	1,174,445	1,289,054	1,205,099	1,531,668	1,560,337
Great Lakes	2,596,296	3,694,670	4,013,206	6,227,778	8,094,313	7,738,436

[2] Kenya and Tanganyika Territory only.

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

No. 482.—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 notshown

State and port	Imports			Exports		
	1933	1934	1935	1933	1934	1935
North Atlantic District	18, 895, 148	20, 312, 417	21, 875, 225	6, 815, 887	8, 436, 812	8, 447, 915
Maine, total	393, 075	506, 924	516, 640	44, 925	23, 460	55, 354
Portland	296, 238	300, 181	293, 786	39, 285	18, 599	41, 787
New Hampshire: Portsmouth	13, 724	28, 975	25, 725		62	6, 483
Massachusetts, total	1, 690, 701	1, 706, 723	2, 450, 882	146, 767	220, 168	281, 455
Boston	1, 584, 022	1, 428, 851	1, 803, 360	146, 679	220, 122	280, 099
Everett	10, 000	141, 863	541, 419			
Fall River	43, 429	88, 506	49, 119	11		
Rhode Island, total	310, 855	267, 422	312, 258	7, 384	2, 736	16, 329
Providence	310, 855	267, 422	310, 962	7, 384	2, 736	16, 329
Connecticut, total	47, 291	42, 011	51, 199	5, 311		
New Haven	13, 188	6, 719	22, 154	5, 311		
New London	20, 248	14, 365	16, 417			
New York, total [1]	10, 049, 433	10, 491, 087	10, 839, 092	4, 093, 477	5, 186, 076	5, 138, 124
New York [1]	9, 651, 539	10, 208, 506	10, 237, 418	4, 008, 859	5, 152, 276	5, 051, 071
New Jersey, total	9, 566	43, 757	58, 472	53, 222	93, 333	64, 656
Paulsboro		30, 780	39, 780	53, 222	93, 333	62, 608
Pennsylvania: Philadelphia [1]	3, 065, 642	2, 830, 491	3, 058, 231	1, 241, 189	1, 222, 768	1, 209, 222
Delaware, total	412, 166	466, 203	400, 033	3, 285	2, 190	2, 304
Claymont	133, 418					
Wilmington	278, 748	466, 203	400, 033	3, 285	2, 190	2, 304
Maryland: Baltimore	2, 423, 028	3, 142, 147	3, 393, 943	453, 678	636, 379	609, 679
Virginia, total	479, 667	786, 677	768, 750	766, 649	1, 049, 640	1, 064, 309
Newport News	72, 040	89, 942	90, 862	206, 366	330, 732	303, 350
Norfolk	389, 360	683, 438	660, 863	482, 454	573, 821	633, 345
South Atlantic District	860, 722	939, 924	1, 050, 900	708, 170	847, 399	891, 427
North Carolina: Wilmington	140, 795	115, 392	143, 820	13, 210	28, 480	26, 934
South Carolina, total	228, 644	291, 282	304, 005	117, 339	154, 136	198, 019
Charleston	228, 644	291, 282	304, 005	115, 147	153, 847	198, 019
Georgia, total	316, 722	365, 763	406, 766	284, 049	287, 304	334, 021
Brunswick	21, 724	27, 374	16, 116	53, 005	40, 370	38, 988
Savannah	294, 998	338, 389	390, 650	231, 044	246, 934	295, 033
Florida, east coast, total	174, 561	167, 487	196, 309	293, 572	377, 479	332, 453
Fernandina				41, 925	94, 853	101, 176
Jacksonville	152, 848	150, 880	163, 645	247, 014	251, 299	207, 085
Miami	20, 733	15, 234	26, 035	3, 504	9, 225	10, 469
Gulf District	2, 258, 803	2, 800, 781	4, 168, 010	10, 694, 254	10, 971, 887	11, 413, 499
Florida, west coast, total	146, 677	148, 781	208, 447	1, 133, 403	1, 310, 227	1, 397, 795
Boca Grande		26	2	181, 311	177, 389	182, 063
Key West	33, 086	26, 762	24, 333	28, 130	45, 497	33, 079
Pensacola	26, 378	39, 492	76, 105	201, 828	242, 526	189, 807
Tampa	70, 191	65, 526	90, 524	688, 209	810, 219	952, 502
Alabama: Mobile	171, 815	169, 336	273, 544	397, 387	406, 876	394, 589
Mississippi	20, 470	27, 239	65, 971	97, 149	119, 267	78, 964
Louisiana, total	1, 592, 955	1, 834, 627	2, 456, 682	2, 371, 336	2, 135, 364	2, 100, 407
Baton Rouge		152, 176	125, 015	493, 191	493, 085	373, 233
Lake Charles	4, 963	10, 922	20, 160	113, 210	89, 625	232, 600
New Orleans	1, 587, 992	1, 671, 529	2, 197, 389	1, 757, 944	1, 515, 484	1, 471, 055
Texas, total	326, 886	620, 798	1, 163, 366	6, 694, 979	7, 000, 153	7, 441, 744
Beaumont	1, 993	11, 193	11, 843	560, 053	761, 583	847, 045
Corpus Christi	53	2, 311	3, 530	301, 644	236, 749	461, 389
Freeport		15		110, 943	167, 291	111, 028
Galveston	144, 438	170, 773	201, 978	881, 593	634, 651	605, 188
Houston	94, 208	289, 356	799, 084	2, 645, 560	2, 845, 052	2, 970, 768
Orange		1, 938	10, 965	2, 565	2, 619	9, 951
Port Arthur	79, 446	112, 755	85, 147	1, 852, 005	2, 228, 065	2, 309, 399
Texas City	6, 748	12, 253	19, 986	297, 845	84, 622	58, 435

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

No. 482.—Cargo Tonnage of Water-Borne Imports and Exports: By States and Individual Ports—Continued

State and port	Imports			Exports		
	1933	1934	1935	1933	1934	1935
Pacific District	1,852,253	2,012,715	2,795,619	7,865,013	9,419,273	9,638,868
California, total	1,205,913	1,353,559	1,651,846	5,854,090	6,808,128	7,600,278
Eureka				9,834	8,947	19,834
Los Angeles	443,835	523,470	744,708	3,067,277	4,112,613	4,157,349
San Diego	10,528	11,247	13,504	5,729	4,839	10,309
San Francisco [2]	751,550	818,842	893,634	1,889,575	1,754,976	2,040,413
Port San Luis				753,691	801,094	1,372,373
Oregon, total	80,485	60,721	137,833	611,816	898,807	607,905
Astoria	4,303		1,155	34,506	26,982	24,710
Coos Bay				61,755	151,680	167,708
Portland	73,214	58,721	134,478	485,710	699,004	381,575
Prescott				7,941	6,728	1,952
Wauna				5,629	2,709	2,550
Westport				2,672	3,195	3,141
Washington, total	565,855	598,435	1,005,940	1,399,107	1,712,338	1,430,685
Anacortes	54,557	8,480	9,312	2,684	25,481	23,452
Bellingham	19,121	20,326	24,640	61,684	76,675	76,865
Everett	4,099	4,633	31,410	100,282	120,969	111,764
Grays Harbor	157	2,025	970	204,965	279,932	231,325
Longview	5,323	5,272	1,032	118,962	80,751	72,264
Olympia	77	2,719	943	75,203	79,478	78,910
Port Angeles	71,998	114,248	186,994	18,490	39,828	41,148
Port Townsend	36,855	28,271	57,668	1,146	2,843	839
Seattle	227,428	204,002	296,361	376,823	523,565	389,562
Tacoma	143,858	203,389	384,954	322,231	333,439	269,210
Vancouver	544		1,733	7,478	20,193	10,759
Willapa Harbor	1,634	995	3,171	75,482	95,972	98,530
Great Lakes District	2,700,041	3,748,066	4,075,924	6,302,226	8,145,690	7,754,156
New York, total	1,408,919	1,856,130	2,482,644	1,308,995	1,551,983	1,592,900
Buffalo	1,151,505	1,538,940	2,111,723	651,717	751,955	870,178
Ogdensburg	72,690	88,005	83,673			3,096
Oswego	23,746	33,605	26,613	68,732	88,184	91,609
Rochester	17,243	34,047	114,421	346,332	361,860	311,594
Sodus Point				229,067	335,169	296,995
Tonawanda	34,328	42,656	30,476			4,200
Waddington	81,450	84,424	62,732			
Pennsylvania: Erie	261,542	239,784	173,744	706,654	665,591	405,927
Ohio, total	146,867	126,412	250,147	3,532,804	4,668,586	4,535,944
Ashtabula				771,472	1,231,240	1,246,539
Cleveland	86,242	58,121	87,698	471,205	559,150	539,139
Conneaut				212,729	257,286	259,102
Fairport				145,458	500,338	344,318
Lorain	5,762		2,496	122,259	112,059	124,248
Sandusky	2,061	2,437	2,528	673,948	513,339	388,233
Toledo	52,802	65,854	155,325	1,132,333	1,487,574	1,626,760
Indiana				570	3,029	4,449
Illinois: Chicago	306,308	404,428	394,732	157,946	167,995	209,327
Michigan, total	363,798	426,939	364,697	502,537	713,996	486,364
Algonac	300				3,110	2,610
Bay City		1,035			33,820	35,799
Detroit	177,058	175,393	141,098	380,187	370,698	200,887
Escanaba	3,570	3,238	3,655	86,094	215,103	61,272
Marquette				10,120	37,486	98,811
Port Huron	59,098	53,161	62,057	4,498	5,713	10
Sault Ste. Marie	4,548	2,477	3,643	2	2,285	4,718
South Haven	77,657	87,581	85,795		50	
Wyandotte	12,424	4,100	1,000	5,018	3,017	30
Wisconsin, total	183,622	435,521	346,277	84,958	368,234	487,885
Ashland	49,274	87,763	72,124	20,721	55,562	94,929
Milwaukee	48,752	108,582	98,029	13,491	8,618	2,599
Superior	5,120	87,572	70,453	50,746	301,366	388,999
Minnesota: Duluth	28,985	258,852	63,683	7,762	6,276	31,360

[2] Includes all ports within San Francisco Bay.

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

No. 483.—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	1932	1933	1934	1935					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Imports, total	28,710	26,567	29,814	33,966	21,875	1,051	4,168	2,796	4,076
Wheat	1,646	1,148	1,689	2,104	64	------	4	1	2,036
Other grains	58	296	746	1,724	846	3	258	267	351
Oil seeds	257	418	424	624	493	------	1	121	9
Vegetable oils	342	446	373	640	431	3	89	114	3
Vegetables and vegetable products, n. e. s.	504	594	669	702	527	12	37	124	2
Animal, fish, and dairy products	254	263	285	451	324	9	37	72	7
Bananas	1,048	970	1,124	1,250	642	47	481	79	------
Coconuts and copra	259	345	260	302	47	------	51	204	------
Other fruits and nuts	202	172	224	218	173	1	29	14	1
Sugar	2,617	2,487	2,890	2,116	1,371	130	528	76	11
Molasses	959	956	1,060	1,229	908	3	319	------	------
Coffee	693	745	741	800	475	6	222	97	------
Cocoa	217	213	212	246	238	------	5	4	------
Tobacco and manufactures	32	32	32	35	29	------	4	3	------
Cotton	45	46	55	42	36	------	1	4	------
Cotton manufactures	41	54	60	89	59	------	1	28	------
Wool	25	86	46	88	85	------	------	3	------
Wool manufactures	13	12	7	10	9	------	------	1	------
Silk	31	27	25	32	22	------	------	10	------
Silk manufactures	10	14	7	4	2	------	------	1	------
Jute	32	57	52	64	58	3	1	1	------
Jute manufactures	192	208	194	281	158	13	68	42	------
Other vegetable fibers and grasses	255	246	215	235	135	2	72	17	9
Textiles and manufactures, n. e. s.	54	83	75	90	60	------	14	10	5
Hides, skins, and manufactures	92	159	92	138	132	------	------	6	------
Furs and fur skins	10	14	13	18	16	------	------	2	------
Rubber	427	437	488	463	422	------	3	38	------
Pulpwood and wood pulp	1,732	2,183	2,435	2,455	1,282	------	42	111	1,021
Paper stock, n. e. s.	47	73	43	78	58	------	2	18	------
Paper and manufactures	682	704	753	860	400	36	99	116	210
Clays	125	142	124	163	143	------	1	7	12
Clay manufactures	44	58	66	79	47	2	1	30	------
Coal and coke	740	642	598	798	719	------	------	79	------
Petroleum and products	10,370	6,677	7,280	7,725	6,478	185	1,058	5	------
Gypsum	332	324	328	392	355	------	------	37	------
Pyrites	233	369	378	439	372	12	2	50	3
Nonmetallic minerals, n. e. s.	471	447	442	545	293	20	10	69	152
Iron ore	690	968	1,645	1,731	1,646	------	9	1	75
Manganese and manganese ore	107	198	315	435	381	------	35	2	17
Iron and steel and manufactures	411	401	333	492	292	12	77	69	42
Copper and manufactures	215	185	300	376	255	------	------	121	------
Miscellaneous metals and mfrs.	358	325	339	527	164	------	154	207	3
Logs and lumber	465	470	384	678	280	1	61	333	3
Dyeing and tanning materials	107	153	173	148	133	1	12	1	------
Potash	225	347	357	436	156	192	71	9	8
Nitrates	302	470	525	542	105	286	118	32	------
Other fertilizers	128	207	145	178	75	47	24	32	1
Pigments, chemicals, and mfrs., n. e. s.	333	388	405	409	190	23	154	42	1
All other	278	306	388	486	292	2	16	83	94
Exports, total	31,845	32,386	37,821	38,146	8,448	891	11,413	9,639	7,754
Wheat	2,736	1,000	1,333	881	572	------	3	4	302
Rye	75	9	------	12	5	------	------	------	7
Corn	214	139	85	25	13	2	8	1	2
Barley	191	152	126	162	5	------	1	147	9
Oats	33	9	6	20	9	------	11	------	------
Rice	116	59	43	78	3	------	68	7	------
Other grains	250	18	14	13	9	------	2	1	------
Wheat flour	526	381	385	288	212	------	20	46	11
Oil-cake and meal	277	337	213	215	179	1	13	11	11
Vegetables and vegetable products, n. e. s.	291	182	192	227	144	1	16	31	36
Animal, fish, and dairy products	449	462	417	243	90	31	35	86	1
Fruits and nuts	830	732	654	851	201	1	19	630	------
Sugar	123	94	159	111	78	2	17	12	1
Naval stores	270	315	260	301	4	220	72	3	2
Tobacco and manufactures	211	221	228	207	156	19	31	1	------
Cotton	2,104	1,985	1,371	1,399	26	95	1,185	93	------
Cotton manufactures	50	45	38	37	25	7	3	1	------
Other textiles and manufactures	55	62	72	77	60	------	10	3	3
Hides, skins, and manufactures	20	18	31	24	16	------	1	6	------
Rubber and manufactures	35	42	48	46	31	------	6	9	------
Paper stock and manufactures	228	250	355	381	143	------	27	211	------

No. 483.—Cargo Tonnage of Water-Borne Imports and Exports: By Major Commodities and by Coastal Districts—Continued

Commodity	1932	1933	1934	1935					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Exports—Continued.									
Coal and coke	5,580	6,393	7,978	7,222	669	77	92	1	6,382
Petroleum and products	11,422	11,741	13,021	14,333	1,626	2	6,451	6,129	126
Sulphur	350	520	499	404	2	-------	399	2	1
Cement	52	104	76	54	49	-------	1	2	-------
Nonmetallic minerals and mfrs., n. e. s.	130	206	255	331	83	22	39	82	106
Iron ore	54	160	607	647	2	-------	-------	-------	645
Iron, steel, and manufactures	491	1,202	2,519	2,589	1,592	158	495	270	75
Machinery	101	110	178	239	199	1	25	12	2
Vehicles	160	220	482	591	550	-------	14	19	8
Copper and manufactures	147	161	294	282	209	-------	38	36	-------
Ores, metals and manufactures, n. e. s.	124	136	232	206	74	1	111	20	1
Logs and lumber	2,166	2,564	2,855	2,742	96	137	1,044	1,462	3
Phosphates	574	849	1,029	1,143	39	107	995	1	-------
Other fertilizers	216	154	251	302	237	1	14	50	1
Pigments, chemicals, and mfrs., n. e. s.	567	671	653	535	288	2	102	134	9
All other	624	681	860	929	751	5	46	116	11

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

No. 484.—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. 403. 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	
	Seaports	Other ports	Seaports	Other ports
1840 [1]	1,788	501	1,861	492
1850	3,169	1,179	3,167	1,194
1860	5,000	3,275	5,257	3,533
1870	6,270	2,886	6,362	2,807
1871–1875	8,462	2,997	8,514	2,994
1876–1880	12,134	2,792	12,197	2,807
1881–1885	13,604	2,931	13,781	2,917
1886–1890	13,479	2,602	13,655	2,593
1891–1895	16,801	2,816	16,965	2,876
1896–1900	20,931	3,989	21,077	4,007
1901–1905	24,551	5,939	24,633	5,918
1906–1910	29,651	8,071	29,156	8,036
1911–1915	36,035	11,879	35,954	12,061
1915–1920 [2]	38,071	13,440	40,137	13,511
1921–1925	52,959	13,334	53,578	13,075
1926–1930	63,768	15,293	64,441	15,319
1931–1935	54,928	10,462	55,214	10,350
1910–1914	35,212	11,408	34,965	11,614
1914–1920 [3]	37,604	13,169	39,417	13,190
1890	15,366	2,741	15,429	2,720
1891	15,394	2,810	15,411	2,850
1892	18,180	2,833	18,258	2,903
1893	16,679	2,903	16,825	2,936
1894	17,025	2,965	17,306	2,966
1895	16,725	2,570	17,024	2,727
1896	17,453	3,536	17,819	3,596
1897	20,003	3,757	19,878	3,831
1898	21,700	3,879	21,892	3,856
1899	21,963	4,148	22,177	4,089
1900	23,534	4,629	23,618	4,663
1901	24,791	4,977	24,889	4,931
1902	24,361	6,293	24,242	6,202
1903	24,698	6,396	24,823	6,493

Year	Entered		Cleared	
	Seaports	Other ports	Seaports	Other ports
1904	24,111	5,841	24,192	5,824
1905	24,793	6,190	25,020	6,138
1906	27,401	6,754	26,970	6,814
1907	29,248	7,374	28,499	7,491
1908	30,444	8,095	30,198	8,084
1909	30,243	8,815	29,604	8,592
1910	30,917	9,319	30,510	9,196
1911	32,457	10,218	32,299	10,138
1912	34,659	11,499	34,706	11,711
1913	37,973	12,666	37,566	13,586
1914	40,052	13,337	39,743	13,440
1915	35,032	11,678	35,458	11,427
1916	37,744	13,806	38,946	13,477
1917	36,521	13,951	38,094	13,983
1918	31,101	14,356	31,869	14,145
1918 (July–Dec.)	16,113	8,916	16,112	9,360
1919	36,381	10,320	40,750	10,506
1920	51,532	12,572	54,981	12,837
1921	49,958	12,327	50,423	12,242
1922	51,701	13,490	51,799	13,040
1923	52,775	13,544	53,215	13,409
1924	54,726	13,565	55,294	13,616
1925	55,636	13,742	57,160	13,069
1926	63,759	13,174	65,583	13,458
1927	58,921	15,389	59,759	15,682
1928	62,809	17,402	63,331	17,336
1929	66,852	15,749	67,030	15,313
1930	66,499	14,753	66,500	14,808
1931	60,427	12,355	61,204	12,297
1932	55,229	9,607	54,900	9,547
1933	51,564	9,372	52,083	9,204
1934	53,132	10,655	53,162	10,541
1935	54,289	10,324	54,722	10,165

[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. 485.—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 484

Customs district	1932		1933		1934		1935	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	64, 837	64, 446	60, 936	61, 287	63, 787	63, 702	64, 612	64, 887
Seaports, total	55, 229	54, 900	51, 564	52, 083	53, 132	53, 162	54, 289	54, 722
North Atlantic coast, total	28, 121	26, 192	26, 332	24, 798	25, 940	24, 549	26, 059	24, 906
Maine, New Hampshire	588	392	507	334	642	398	664	419
Massachusetts	4, 169	3, 295	4, 058	3, 157	3, 963	3, 138	3, 956	2, 954
Rhode Island	228	145	175	87	145	84	143	112
Connecticut	20	7	31	4	33	16	44	30
New York	21, 190	20, 922	19, 531	19, 584	19, 263	19, 344	19, 314	19, 632
Philadelphia	1, 927	1, 431	2, 030	1, 632	1, 893	1, 569	1, 938	1, 759
South Atlantic coast, total	4, 361	4, 586	3, 681	4, 022	4, 266	4, 638	4, 693	5, 305
Maryland	1, 342	1, 006	1, 000	718	1, 160	1, 023	1, 375	1, 090
Virginia	996	1, 174	661	1, 218	1, 170	1, 625	841	1, 588
North Carolina	76	72	128	38	95	44	98	49
South Carolina	282	129	262	119	297	155	379	194
Georgia	181	419	167	402	184	395	234	398
Puerto Rico	1, 484	1, 787	1, 463	1, 527	1, 359	1, 396	1, 133	1, 131
Virgin Islands [1]							633	855
Gulf coast, total	8, 136	9, 143	7, 124	8, 294	7, 586	8, 367	8, 300	9, 042
Florida	2, 181	1, 998	1, 794	1, 524	1, 689	1, 534	1, 641	1, 600
Mobile	393	538	231	447	323	541	350	555
New Orleans	2, 896	2, 807	2, 554	2, 551	2, 610	2, 586	2, 843	3, 041
Sabine	847	885	1, 010	1, 124	1, 250	1, 306	1, 384	1, 479
Galveston	1, 819	2, 915	1, 535	2, 648	1, 715	2, 400	2, 082	2, 367
Mexican border: San Antonio	159	104	211	132	133	74	209	224
Pacific coast, total	14, 452	14, 875	14, 216	14, 837	15, 207	15, 534	15, 028	15, 245
Washington	5, 913	5, 285	5, 770	5, 320	5, 933	5, 380	5, 664	5, 354
Oregon	222	448	231	453	469	602	322	455
San Francisco	1, 869	2, 452	1, 945	2, 356	1, 689	2, 166	1, 583	1, 714
Los Angeles	4, 224	4, 828	4, 214	4, 974	5, 092	5, 640	5, 345	5, 927
Alaska	257	196	175	169	200	215	181	238
Hawaii	1, 406	1, 466	1, 450	1, 442	1, 455	1, 429	1, 456	1, 457
San Diego	560	199	431	123	369	102	477	100
Northern border, total	9, 607	9, 547	9, 372	9, 204	10, 655	10, 540	10, 323	10, 165
Vermont	4	4	4	4	3	3	4	5
St. Lawrence	455	437	479	458	491	478	427	394
Rochester	2, 081	1, 956	1, 571	1, 574	1, 774	1, 748	1, 865	1, 858
Buffalo	1, 888	981	1, 528	879	1, 542	603	1, 823	789
Ohio	3, 090	2, 917	3, 186	3, 109	3, 886	3, 822	3, 267	3, 615
Michigan	1, 007	1, 608	1, 485	1, 916	1, 546	2, 021	1, 673	2, 022
Chicago	220	445	256	459	305	455	313	403
Wisconsin	572	300	589	323	550	312	445	343
Duluth and Superior	290	899	274	482	558	1, 098	506	736

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 [2]	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
1931–1935	31, 721	28, 668	8, 058	4, 858	14, 968	9, 239	180	10, 462	4, 997
1933	30, 013	27, 299	7, 124	4, 051	14, 216	8, 990	211	9, 372	4, 444
1934	30, 206	27, 504	7, 586	4, 461	15, 207	9, 277	133	10, 655	4, 717
1935	30, 752	27, 971	8, 300	5, 003	15, 028	9, 469	209	10, 323	4, 976
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 [2]	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
1931–1935	30, 658	23, 563	9, 018	8, 079	15, 411	13, 20	127	10, 350	7, 309
1933	28, 820	22, 684	8, 294	7, 601	14, 837	12, 781	132	9, 204	6, 629
1934	29, 187	22, 832	8, 367	7, 683	15, 534	13, 291	74	10, 540	7, 318
1935	30, 210	23, 152	9, 042	7, 888	15, 245	12, 895	224	10, 165	7, 155

[1] Reported as a foreign country prior to Jan. 1, 1935. [2] July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 486.—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 484]

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
1931–1935	31,338	65,390	23,847	41,543	36.4	54,928	227	54,701	42,835	12,093
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
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
1934	29,736	63,787	23,192	40,594	36.2	53,132	196	52,936	41,297	11,835
1935	32,246	64,612	22,372	42,240	34.6	54,289	281	54,008	42,501	11,788

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
1931–1935	19,854	16,870	35,074	25,865	36.1	10,463	4,997	3,993	6,469
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
1921	24,402	18,620	25,556	17,446	48.8	12,327	5,672	6,783	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
1934	19,186	16,500	33,946	24,297	36.1	10,655	4,717	4,006	6,649
1935	18,893	16,206	35,395	26,295	34.8	10,324	4,976	3,479	6,845

[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. 487.—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 484]

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
1931-1935	30,520	65,565	23,616	41,949	36.0	55,214	221	54,993	44,990	10,224
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
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
1934	28,874	63,702	22,799	40,903	35.8	53,162	177	52,985	43,881	9,281
1935	31,554	64,887	22,126	42,761	34.1	54,722	277	54,445	44,159	10,563

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Percent 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
1931-1935	19,653	15,729	35,561	29,261	35.6	10,351	7,309	3,962	6,388
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
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
1934	18,901	15,571	34,261	28,310	35.5	10,540	7,318	3,899	6,641
1935	18,651	14,447	36,071	29,712	34.0	10,165	7,155	3,475	6,690

[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. 488.—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. The first column covers years ended June 30, the second column the period July 1, 1914, to Dec. 31, 1920, the others, calendar years. For definition of net tonnage see general note, p. 403

Country	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1931–1935, average	1933	1934	1935
Total by sea:								
Entered	35,212	37,604	52,959	63,768	54,028	51,564	53,132	54,289
Cleared	34,965	39,417	53,578	64,441	55,214	52,083	53,162	54,722
Belgium:								
Entered	955	392	1,231	1,560	1,068	1,078	994	932
Cleared	1,039	452	1,190	1,280	1,013	980	996	991
Denmark:								
Entered	297	373	372	532	451	425	426	407
Cleared	305	498	450	686	402	393	333	308
France:								
Entered	1,047	2,251	1,953	2,321	2,027	2,090	1,989	2,050
Cleared	1,453	3,345	2,250	2,475	2,582	2,714	2,770	2,604
Germany:								
Entered	3,113	290	2,998	3,813	3,806	3,779	3,479	3,188
Cleared	3,474	298	3,165	3,714	3,235	3,241	2,610	2,774
Italy:								
Entered	1,305	2,171	1,707	2,101	1,909	2,032	1,833	1,872
Cleared	1,662	2,489	1,986	2,023	1,869	2,006	1,858	2,040
Netherlands:								
Entered	1,169	1,291	1,654	2,081	1,389	1,382	1,399	1,350
Cleared	1,521	1,459	1,464	1,499	1,050	1,015	996	976
Norway:								
Entered	193	521	384	360	379	441	348	427
Cleared	159	830	412	361	269	237	278	287
Spain:								
Entered	724	838	608	850	674	656	677	741
Cleared	337	490	463	612	597	562	643	738
Sweden:								
Entered	68	240	504	681	695	698	677	711
Cleared	66	440	353	498	412	339	408	467
United Kingdom:								
Entered	7,238	8,765	9,378	10,614	6,087	5,478	5,712	5,656
Cleared	7,162	8,164	8,647	10,577	6,147	5,626	5,481	5,806
Canada:								
Atlantic coast—								
Entered	1,479	1,092	1,201	1,607	2,265	2,159	2,294	2,296
Cleared	1,594	1,007	1,331	1,709	2,267	2,063	2,119	2,718
British Columbia, Yukon—								
Entered	2,539	3,117	4,571	6,619	6,682	6,406	6,614	6,095
Cleared	2,589	3,094	4,573	6,556	6,878	6,779	6,938	6,357
Central America: [1]								
Entered	1,879	1,535	1,734	2,391	2,368	2,223	2,410	2,522
Cleared	2,121	1,610	1,640	2,692	2,801	2,629	2,865	2,916
Mexico:								
Entered	1,789	3,788	8,160	2,840	1,548	1,363	1,446	1,616
Cleared	1,847	3,727	8,391	2,892	1,755	1,687	1,704	1,759
British West Indies, Bermudas, and British Honduras:								
Entered	1,038	564	1,351	1,975	3,210	2,522	3,358	3,221
Cleared	1,181	642	1,435	2,216	3,400	2,992	3,381	3,295
Cuba:								
Entered	3,030	3,450	4,769	5,875	5,435	5,576	4,671	4,755
Cleared	2,449	3,560	4,659	5,832	5,292	5,428	4,444	4,719
Dominican Republic:								
Entered	179	345	380	713	688	765	644	607
Cleared	200	404	449	920	903	976	865	813
Haiti:								
Entered	123	108	105	220	176	191	171	173
Cleared	124	186	230	204	188	170	167	209
Argentina:								
Entered	792	633	1,006	966	499	370	391	784
Cleared	619	762	707	997	358	188	291	402
Brazil:								
Entered	1,131	550	552	918	803	756	788	847
Cleared	558	841	913	1,252	924	866	936	1,039
Chile:								
Entered	462	853	975	1,387	545	331	580	754
Cleared	327	797	793	1,058	507	430	619	625
Colombia:								
Entered	199	231	144	958	1,056	1,174	974	957
Cleared	196	213	226	966	1,015	967	992	1,141
British East Indies:								
Entered	329	347	576	833	459	355	240	199
Cleared	131	204	330	428	181	57	35	53

[1] Not including British Honduras.

No. 488.—Net Tonnage of Vessels Entered and Cleared at Seaports in Foreign Trade: By Countries of Origin and Destination—Contd.

Country	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1931–1935, average	1933	1934	1935
China, Hong Kong, and Kwantung:								
Entered	442	519	959	1,044	827	772	771	686
Cleared	391	479	963	894	562	520	614	274
Japan:								
Entered	646	733	1,607	2,320	2,169	1,941	2,286	2,953
Cleared	542	796	2,106	3,284	3,815	3,440	4,037	4,488
Philippine Islands:								
Entered	85	132	408	611	1,012	1,080	1,248	899
Cleared	144	124	359	503	466	484	537	545
Oceania:								
Entered	238	379	509	931	778	768	761	864
Cleared	534	567	946	1,396	831	795	820	844
All other countries:								
Entered	2,725	2,094	3,165	6,649	5,922	4,753	5,952	6,727
Cleared	2,240	1,938	3,149	6,913	5,496	4,499	5,425	5,534

No. 489.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: By Nationality of Vessel

NOTE.—In thousands of net tons. Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See tables 486 and 487 in which the columns for northern border represent trade with Quebec and Ontario. For periods covered see note, table 488

	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1931–1935, average	1933	1934	1935
Total by sea:								
Entered	35,212	37,604	52,959	63,768	54,928	51,564	53,132	54,289
Cleared	34,965	39,417	53,578	64,441	55,214	52,083	53,162	54,722
American:								
Entered	4,753	13,327	22,526	23,182	19,855	19,051	19,186	18,894
Cleared	4,778	14,171	22,556	23,338	19,653	19,093	18,901	18,651
Total foreign:								
Entered	30,459	24,276	30,433	40,586	35,074	32,513	33,946	35,395
Cleared	30,186	25,245	31,022	41,102	35,561	32,990	34,261	36,071
Belgian:								
Entered	412	269	332	374	274	235	225	352
Cleared	404	283	343	370	269	228	225	333
British:								
Entered	17,901	14,168	16,807	20,189	15,270	13,714	14,925	14,528
Cleared	17,814	14,755	17,064	20,291	15,373	14,012	14,851	14,544
Danish:								
Entered	472	774	929	1,136	917	827	861	1,050
Cleared	450	795	928	1,168	902	852	833	966
Dutch:								
Entered	1,004	1,007	1,300	1,798	1,634	1,307	1,561	1,827
Cleared	1,007	1,055	1,292	1,809	1,627	1,291	1,567	1,793
French:								
Entered	997	876	1,492	1,870	1,652	1,601	1,542	1,809
Cleared	990	919	1,518	1,905	1,694	1,589	1,595	1,935
German:								
Entered	4,362	107	847	2,654	3,260	3,333	2,885	2,936
Cleared	4,300	79	870	2,736	3,280	3,354	2,859	3,000
Italian:								
Entered	821	1,211	1,490	2,175	1,798	2,094	1,665	1,599
Cleared	850	1,366	1,569	2,150	1,800	2,089	1,674	1,690
Japanese:								
Entered	353	1,099	2,059	2,618	2,473	2,372	2,528	2,653
Cleared	244	1,046	2,235	2,741	2,682	2,468	2,765	3,001
Norwegian:								
Entered	2,679	2,744	2,817	4,026	4,072	3,729	4,231	4,829
Cleared	2,684	2,822	2,784	4,136	4,178	3,822	4,321	4,932
Spanish:								
Entered	413	606	480	571	459	421	446	495
Cleared	398	637	487	586	457	431	457	481
Swedish:								
Entered	70	353	564	985	1,013	959	983	1,081
Cleared	70	367	566	1,005	1,017	927	999	1,092
All other foreign:								
Entered	975	1,062	1,317	2,190	2,252	1,921	2,094	2,236
Cleared	977	1,122	1,366	2,206	2,281	1,927	2,115	2,304

Source of tables 488 and 489: Bureau of Foreign and Domestic Commerce.

No. 490.—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
1931–1935	1,569	1,742	617	1,125	284	1,708	1,507	538	970	180	35.4	35.8
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
1934	2,133	1,837	658	1,179	296	1,636	1,446	528	917	190	35.8	36.5
1935	2,283	1,973	705	1,268	310	2,039	1,813	649	1,164	226	35.8	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	1931–1935	3,249	1,155	2,095	35.6
1860 [2]	762	507	255	66.5					
1870 [2]	913	323	590	35.6	1924	7,155	2,544	4,611	35.7
					1925	7,940	2,624	5,316	33.0
1871–1875 [3]	1,162	326	835	30.6					
1876–1880 [3]	1,206	289	917	23.9	1926	7,941	2,596	5,345	34.0
1881–1885	1,419	229	1,190	16.2	1927	7,759	2,649	5,110	34.1
1886–1890	1,398	198	1,200	14.1	1928	7,827	2,605	5,222	33.3
1891–1895	1,598	198	1,400	12.4	1929	8,129	2,692	5,437	33.1
					1930	5,803	2,015	3,788	34.7
1896–1900	1,784	179	1,605	10.0					
1901–1905	2,225	220	2,005	9.9	1931	3,871	1,351	2,520	34.9
1906–1910	2,838	287	2,552	10.1	1932	2,549	907	1,643	35.6
1911–1915	3,639	385	3,254	10.6	1933	2,758	976	1,782	35.4
1915–1920 [4]	8,673	2,534	6,140	29.2	1934	3,283	1,186	2,097	36.1
					1935	3,786	1,354	2,432	35.8

[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.