18. Power

Energy for supplying mechanical power, heat, light and refrigeration for the complex machinery and processes necessary to maintain productivity and comfort in the United States is derived primarily from coal, oil, water, natural gas, wood and waste, wind, certain basic chemical and physical reactions, and the rays of the sun. Of these between 15 and 20 percent of the coal, over 2 percent of the oil, practically all of the water, and 10 percent of the natural gas are converted to electricity for application to the energy requirements of our economic system.

Statistics on these various sources of energy are compiled by numerous agencies but only a few of the series are reasonably complete or arranged to avoid duplication in a manner that permits ready computation of total energy requirements. Oil, coal, natural gas, and wood yield many products as well as power and, consequently, enter into many statistical series.

Data on coal, oil, and natural gas production, utilization, and related subjects are compiled annually by the Bureau of Mines and are published in the Minerals Yearbook. Data on natural gas utilization and the production of manufactured gas from coal, oil, and related products, its utilization, and related statistics are published by the American Gas Association in its monthly bulletins and annual statistical numbers. Summaries of statistical material from these sources appear in this Abstract in section 27, Mining and Mineral Products.

Data on the production of electric energy by type of prime mover and showing the quantities of basic fuels—coal, oil, natural gas, and others—used in production, and the capacity of all generating plants by type of prime mover and related statistics are compiled and published annually by the Federal Power Commission. These data cover both generation for public use by electric utilities and for use by the producer where generated by non-utility establishments. Data on sales, revenues, and customers by classes of service, on rates and typical bills, and related matters are also published by the Commission. Monthly statistics on production, fuels used in production, sales by classes of service, salaries and wages, taxes, and other costs are also published and distributed by the Federal Power Commission in a loose-leaf current data series known as Electric Power Statistics. Statistics on the distribution of electric energy by utilities for public use are presented monthly and annually by the Edison Electric Institute in its Statistical Bulletins. Summaries of these statistics appear in the following tables.

Data on the use of power by manufacturing, extracting, and related industries are issued from time to time by the Bureau of the Census in its Censuses of Manufactures and Mineral Industries. For the period 1939 to 1946, data on the use of electric power by major industry groups were compiled and published by the Federal Power Commission in a report on Industrial Electric Energy. This series has been discontinued, however, with 1946 the latest data available. Statistics based on these studies appear in the sections on manufacturing and mineral industries in this Abstract.

Over-all statistics on water as an actual and potential source of power are compiled by the Federal Power Commission and are shown in table 565.

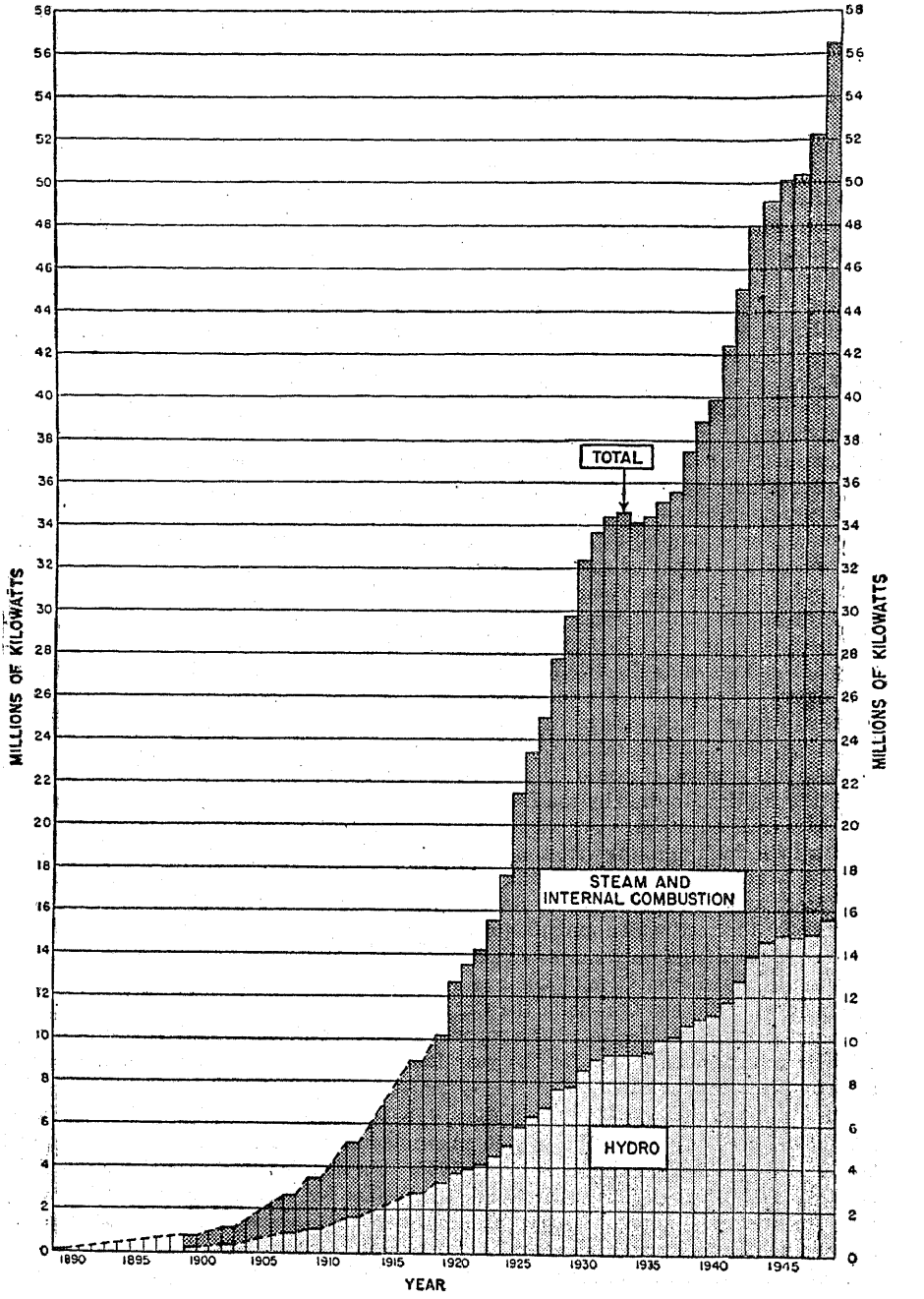
The Bureau of the Census in the Census of Electrical Industries compiled at five-year intervals beginning in 1902 a report on the Electric Light and Power Industry. The last survey made was for the year 1937. Summary statistics from this report are shown in table 561.

Historical statistics.—In this section, tabular headnotes (as "See also *Historical Statistics*, series G 159–170") provide cross-references, where applicable, to Historical Statistics of the United States, 1789–1945. In that historical supplement to the Statistical Abstract, statistics are carried back year by year as far as possible. See also the historical appendix of the present issue of the Abstract for specific titles of series and the earliest year shown in the supplement.

Data in this section relate to continental United States except as indicated.

FIGURE R.—INSTALLED CAPACITY OF ELECTRIC UTILITY GENERATING PLANTS IN THE UNITED STATES: 1889 TO 1948

[See table 556]



Source: Federal Power Commission.

No. 554.—Energy from Mineral Fuels and Water Power—Annual Supply: 1889 to 1947

[In trillions of British thermal units. Unit heat values employed are: Anthracite, 13,600 B. t. u. per pound-bituminous coal and lignite, 13,100 B. t. u. per pound; petroleum, 6,000,000 B. t. u. per barrel; natural gas, 1,075 B. t. u. per cubic foot. Water power includes installations owned by manufacturing plants and mines, as well as Government- and privately-owned public utilities. Fuel equivalent of water power calculated from kilowatt-hours of power produced wherever available, as is true of all public-utility plants since 1919. Otherwise, fuel equivalent calculated from reported horsepower of installed water wheels, assuming capacity factor of 20 percent for manufacturers and mines and of 40 percent for public utilities. See also *Historical Statistics*, series G 159–170]

PERIOD	TOTAL ENERGY		WATER POWER		MINERAL FUELS					
						Coal			Petroleum (total crude, including that refined) [3]	Natural gas
	Water power at constant fuel equivalent	Water power at prevailing central station equivalent	At constant fuel equivalent [1]	At prevailing central station equivalent [2]	Total	Total	Bituminous and lignite	Pennsylvania anthracite		
1889	4,316	[4]	91	[4]	4,225	3,746	2,507	1,239	211	[5] 268
1890	7,426	7,529	135	238	7,291	6,708	5,065	1,643	342	[5] 240
1900	7,905	8,009	146	250	7,759	7,123	5,563	1,560	382	[5] 254
1901–05 avg	10,102	10,216	209	323	9,893	8,958	7,140	1,818	612	323
1906–10 avg	13,867	13,974	369	477	13,498	11,990	9,783	2,207	1,037	470
1911–15 avg	16,722	16,743	591	611	16,132	13,954	11,527	2,427	1,559	619
1916–20 avg	20,648	20,505	851	708	19,797	16,504	13,981	2,523	2,473	820
1921–25 avg	21,308	20,856	1,105	653	20,203	14,722	12,610	2,112	4,457	1,024
1926–30 avg	25,002	24,006	1,781	785	23,221	15,679	13,595	2,084	5,782	1,760
1931–35 avg	19,988	18,777	1,931	719	18,057	10,667	9,207	1,460	5,566	1,824
1936–40 avg	25,007	23,418	2,442	853	22,565	12,335	10,945	1,390	7,648	2,582
1941–45 avg	33,600	31,050	3,782	1,232	29,818	16,724	15,114	1,610	9,458	3,636
1940	27,327	25,587	2,620	880	24,707	13,472	12,072	1,400	8,375	2,860
1941	29,549	27,679	2,804	934	26,745	15,004	13,471	1,533	8,717	3,024
1942	32,069	29,720	3,485	1,136	28,584	16,908	15,267	1,641	8,394	3,282
1943	33,900	31,205	3,999	1,304	29,901	17,113	15,463	1,650	9,117	3,671
1944	36,451	33,635	4,160	1,344	32,291	17,966	16,233	1,733	10,336	3,989
1945	36,030	33,009	4,463	1,442	31,567	16,628	15,134	1,494	10,726	4,213
1946	35,287	32,313	4,380	1,406	30,907	15,635	13,989	1,646	10,939	4,333
1947 [6]	[4]	36,015	[4]	1,426	34,589	18,078	16,522	1,556	11,733	4,778

[1] Assuming 4.02 pounds of coal per kilowatt-hour, average of central electric station practice in 1913, base period.
[2] Assuming average central-station practice for each year; declined from about 7.05 pounds of coal per kilowatt-hour in 1889 to 1.3 pounds in 1947. [3] Includes imports. [4] Not available.
[5] Based on amount of coal displaced by gas, as estimated by gas companies. [6] Preliminary.

Source: Department of Interior, Bureau of Mines; Minerals Yearbook. Preliminary data published in an nual report, Bituminous Coal and Lignite.

No. 555.—Consumption of Fuels by Electric Utilities for Production of Electric Energy: 1920 to 1948

[See headnote table 556. Use of fuels for stand-by purposes is included. See also *Historical Statistics*, series G 194–199]

CALENDAR YEAR	CONSUMPTION OF FUELS						Consumption of coal and coal equivalent of other fuels (thousand tons) [1]	Output by fuels [4] (million kilowatt-hours)	Consumption per kilowatt-hour (pounds)
	Coal (thousand tons) [1]				Fuel oil (thousand barrels) [3]	Gas (million cubic feet)			
	Total	Bituminous [2]	Anthracite	Lignite [2]					
1920	31,640	30,099	1,540	----------	12,690	22,136	35,791	23,495	3.0
1925	35,615	33,803	1,812	----------	9,794	45,472	40,014	39,443	2.0
1930	40,278	38,130	2,148	----------	8,805	119,553	47,545	59,583	1.60
1935	32,715	30,936	1,779	----------	11,257	124,118	40,797	56,689	1.44
1938	38,394	35,043	1,954	1,397	12,942	165,504	48,560	69,255	1.40
1939	44,539	40,821	2,235	1,483	17,139	188,877	57,598	83,628	1.38
1940	51,474	47,721	2,348	1,405	16,325	180,096	62,942	93,963	1.34
1941	62,668	58,686	2,780	1,202	20,077	201,763	75,700	113,272	1.34
1942	66,257	62,262	2,785	1,210	15,236	235,208	79,075	121,585	1.30
1943	77,301	73,072	3,265	963	17,986	301,937	93,275	143,785	1.30
1944	80,084	75,720	3,427	936	20,862	358,784	99,251	153,868	1.29
1945	74,725	70,621	3,122	982	20,228	326,212	92,642	142,331	1.30
1946	72,197	67,623	3,453	1,120	36,316	306,942	93,471	144,555	1.29
1947	89,531	85,033	3,522	976	45,309	373,054	115,672	176,983	1.31
1948 (preliminary)	99,661	[5]	[5]	[5]	42,700	476,729	[5]	200,163	[5]

[1] Of 2,000 pounds. [2] Lignite included with bituminous coal prior to 1938. [3] Of 42 gallons.
[4] Output by use of wood and waste not included. [5] Not yet available.

Source: Federal Power Commission; annual report, Consumption of Fuels for Production of Electric Energy, 1947; also, related 1948 monthly reports.

No. 556.—Production of Electric Energy and Capacity of Generating Plants, by Type of Prime Mover: 1920 to 1948

[Figures for 1947 in tables 555–559 for electric utilities (for public use) are based on operation of 3,865 power plants owned by 1,559 concerns. Production and capacity of plants owned by following classes of electric utility operators are included—privately owned electric utilities, municipal electric utilities, Federal power projects, cooperatives, power districts, State projects, and publicly owned noncentral stations. Industrial classification comprises production and capacity of 3,919 industrial electric power plants of 100 kilowatts and over in 1947, including amounts for stationary electric power plants of railroads and railways. Installed capacity as of Dec. 31. See also *Historical Statistics*, series G 171–182, and series G 205–216]

Year	Production (millions of kilowatt-hours)					Installed capacity (thousands of kilowatts)				
	Total	Hydro	Steam	Internal combustion	Hydro as percent of total	Total	Hydro	Steam	Internal combustion	Hydro as percent of total
TOTAL										
1939	161,308					49,438				
1940	179,907					50,962				
1941	208,306					53,995				
1942	233,146					57,237				
1943	267,540	79,078	183,952	4,511	29.6	60,539	14,991	43,840	1,708	24.8
1944	279,525	78,905	195,664	4,956	28.2	62,066	15,696	44,637	1,733	25.3
1945	271,255	84,747	181,708	4,799	31.2	62,868	15,892	45,248	1,728	25.3
1946	269,361	83,211	181,552	4,598	30.9	63,010	15,832	45,403	1,775	25.1
1947	307,810	83,097	218,625	5,588	27.0	65,090	15,956	47,197	1,937	24.5
1948 [1]	336,335	86,941	249,394		25.8	69,486	16,636	50,648	2,201	23.9
INDUSTRIAL [2]										
1939	33,667					10,575				
1940	38,070					11,035				
1941	43,519					11,590				
1942	47,167					12,184				
1943	49,781	5,445	41,571	2,765	10.9	12,589	1,108	10,826	656	8.8
1944	51,336	4,959	43,337	3,040	9.7	12,877	1,110	11,096	671	8.6
1945	48,769	4,777	41,273	2,719	9.8	12,757	980	11,135	641	7.7
1946	46,184	4,805	39,140	2,238	10.4	12,694	983	11,090	620	7.7
1947	51,571	4,671	44,125	2,775	9.1	12,768	985	11,163	620	7.7
1948 [1]	53,741	4,510	49,231		8.4	13,022	983	11,414	625	7.5
ELECTRIC UTILITIES [3]										
1920	39,405	15,760	23,488	156	40.0	12,714	3,704	8,920	90	29.1
1925	61,451	21,798	39,367	286	35.5	21,472	5,922	15,368	182	27.6
1926	69,353	25,603	43,422	328	36.9	23,386	6,405	16,792	189	27.4
1927	75,418	28,474	46,615	329	37.8	25,079	6,802	18,078	199	27.1
1928	82,794	32,874	49,370	550	39.7	27,805	7,702	19,790	312	27.7
1929	92,180	32,648	58,966	567	35.4	29,839	7,813	21,704	322	26.2
1930	91,112	31,190	59,293	629	34.2	32,384	8,585	23,386	414	26.5
1931	87,350	29,027	57,685	637	33.2	33,698	9,091	24,162	446	27.0
1932	79,393	32,878	45,922	593	41.4	34,387	9,258	24,646	483	26.9
1933	81,740	33,457	47,709	574	40.9	34,587	9,334	24,759	494	27.0
1934	87,258	32,684	53,938	635	37.5	34,119	9,345	24,253	521	27.4
1935	95,287	38,372	56,144	771	40.3	34,436	9,399	24,471	566	27.3
1936	109,316	39,058	69,359	899	35.7	35,082	10,037	24,441	603	28.6
1937	118,913	44,013	73,891	1,009	37.0	35,620	10,176	24,763	681	28.6
1938	113,812	44,279	68,423	1,110	38.9	37,492	10,657	26,066	769	28.4
1939	127,642	43,564	82,784	1,294	34.1	38,863	11,004	27,009	850	28.3
1940	141,837	47,321	93,002	1,514	33.4	39,927	11,224	27,775	928	28.1
1941	164,788	50,863	112,319	1,606	30.9	42,405	11,817	29,599	989	27.9
1942	185,979	63,871	120,479	1,630	34.3	45,053	12,842	31,169	1,042	28.5
1943	217,759	73,632	142,381	1,746	33.8	47,951	13,884	33,015	1,053	29.0
1944	228,189	73,945	152,327	1,916	32.4	49,189	14,586	33,541	1,062	29.7
1945	222,486	79,970	140,435	2,081	35.9	50,111	14,912	34,113	1,087	29.8
1946	223,178	78,406	142,412	2,360	35.1	50,317	14,848	34,313	1,155	29.5
1947	255,739	78,425	174,500	2,813	30.7	52,322	14,971	36,034	1,317	28.6
1948 [1]	282,594	82,431	200,163		29.2	56,464	15,653	39,234	1,576	27.7

[1] Preliminary.
[2] Series started with 1939 data. Detail by type of prime mover first available for 1943.
[3] For public use.

Source: Federal Power Commission; annual report, Production of Electric Energy and Capacity of Generating Plants, 1947, and industrial electric power summaries; also, related 1948 monthly reports.

No. 557.—Production of Electric Energy and Capacity of Generating Plants, by Class of Ownership: 1920 to 1947

[See headnote, table 556. See also *Historical Statistics*, series G 183–190 and series G 217–224]

Year	Total	Electric utilities (for public use)						Industrial plants
		Total	Privately owned	Publicly owned				
				Municipal	Federal	Cooperatives, power districts, State projects	Non-central stations	
Production	Millions of kilowatt-hours							
1920		39,405	37,716	1,373	58	94	163	
1925		61,451	58,685	2,302	103	172	189	
1926		69,353	65,480	2,832	518	335	188	
1927		75,418	70,920	3,051	668	536	243	
1928		82,794	78,207	3,245	356	612	373	
1929		92,180	87,514	3,498	300	451	418	
1930		91,112	86,108	3,604	465	518	416	
1931		87,350	82,597	3,435	497	421	401	
1932		79,393	74,488	3,517	445	572	371	
1933		81,740	76,668	3,583	458	654	377	
1934		87,258	82,079	3,834	357	565	423	
1935		95,287	89,330	4,229	555	732	442	
1936		109,316	102,293	4,705	1,072	801	444	
1937		118,913	110,464	5,270	1,843	863	473	
1938		113,812	104,090	5,237	3,029	994	462	
1939	[1] 161,309	127,642	115,078	5,688	5,476	944	456	[1] 33,667
1940	179,907	141,837	125,411	6,188	8,584	1,175	479	38,070
1941	208,306	164,788	144,290	7,023	10,794	2,192	490	43,519
1942	233,146	185,979	158,052	7,610	16,893	2,848	576	47,167
1943	267,540	217,759	180,247	9,223	24,485	3,156	648	49,781
1944	279,525	228,189	185,850	9,637	28,866	3,065	770	51,336
1945	271,255	222,486	180,926	9,624	28,001	3,146	790	48,769
1946	269,361	223,178	181,020	10,801	26,960	3,598	800	46,184
1947	307,310	255,739	208,105	12,415	29,877	4,511	831	51,571
Installed capacity	Thousands of kilowatts							
1920		12,714	12,042	601	10	21	59	
1925		21,472	20,045	1,125	198	49	56	
1926		23,386	21,819	1,204	206	99	59	
1927		25,079	23,418	1,210	209	131	112	
1928		27,805	25,990	1,347	213	139	116	
1929		29,839	27,953	1,424	214	138	111	
1930		32,384	30,285	1,601	226	154	118	
1931		33,698	31,498	1,696	231	154	119	
1932		34,387	32,033	1,828	232	155	139	
1933		34,587	32,163	1,879	232	171	141	
1934		34,119	31,547	1,963	288	182	138	
1935		34,436	31,820	2,002	300	175	139	
1936		35,082	31,787	2,164	804	184	144	
1937		35,620	31,958	2,476	833	207	146	
1938		37,492	33,246	2,631	1,156	310	149	
1939	[1] 49,438	38,863	33,908	2,807	1,650	333	164	[1] 10,575
1940	50,962	39,927	34,399	2,977	1,944	435	173	11,035
1941	53,995	42,405	36,041	3,158	2,371	666	168	11,590
1942	57,237	45,053	37,442	3,331	3,216	868	196	12,184
1943	60,539	47,951	39,128	3,419	4,322	883	199	12,589
1944	62,066	49,189	39,733	3,447	4,886	886	237	12,877
1945	62,868	50,111	40,307	3,586	5,081	891	245	12,757
1946	63,010	50,317	40,335	3,708	4,920	1,102	253	12,694
1947	65,090	52,322	41,986	3,825	5,027	1,226	257	12,768

[1] Industrial series started with 1939 data.

Source: Federal Power Commission; annual report, Production of Electric Energy and Capacity of Generating Plants, 1947, and industrial electric power summaries; also, related 1948 monthly reports.

No. 558.—Generating Plants—Installed Capacity of Electric Utilities and Industrial Plants, by Type of Prime Mover and by Class of Ownership, by States: 1947

[In thousands of kilowatts. See headnote, table 556]

Division and state	Total	Type of prime mover				Class of ownership				
		Electric utilities and industrial		Electric utilities		Electric utilities				Industrial plants
							Privately owned	Publicly owned		
		Fuel	Hydro	Fuel	Hydro	Total		Municipal	Other	
United States	65,090	49,134	15,956	37,351	14,971	52,322	41,986	3,825	6,510	12,768
New England	4,602	3,436	1,165	2,483	894	3,377	3,257	99	21	1,224
Maine	576	207	369	109	246	355	352	2	1	221
New Hampshire	427	144	283	100	233	332	330	2	-------	94
Vermont	204	29	175	19	161	179	168	10	(1)	25
Massachusetts	1,986	1,766	221	1,231	164	1,396	1,326	64	6	591
Rhode Island	402	389	13	319	3	322	316	-------	6	79
Connecticut	1,007	903	105	706	87	793	764	21	8	215
Middle Atlantic	13,838	12,176	1,662	9,321	1,584	10,906	10,724	160	22	2,932
New York	6,604	5,377	1,227	4,310	1,155	5,465	5,366	81	17	1,140
New Jersey	2,118	2,108	10	1,674	7	1,681	1,654	24	3	437
Pennsylvania	5,116	4,691	425	3,338	422	3,760	3,704	54	1	1,356
East North Central	15,386	14,569	818	11,341	741	12,081	10,979	904	198	3,305
Ohio	4,181	4,166	15	3,306	12	3,318	3,034	276	8	864
Indiana	2,185	2,149	37	1,608	35	1,643	1,409	233	1	542
Illinois	3,975	3,920	55	3,294	49	3,344	3,186	118	40	631
Michigan	3,473	3,091	382	2,110	367	2,478	2,163	207	108	991
Wisconsin	1,572	1,243	329	1,022	277	1,299	1,187	70	42	273
West North Central	4,238	3,621	617	3,107	562	3,669	2,502	771	396	569
Minnesota	1,004	832	172	661	126	787	610	161	16	217
Iowa	953	820	133	708	133	841	699	120	22	112
Missouri	924	774	151	651	151	802	653	143	6	112
North Dakota	125	125	-------	120	-------	120	101	9	10	4
South Dakota	135	123	12	108	3	112	82	28	2	23
Nebraska	449	306	143	293	142	435	2	95	338	13
Kansas	649	642	7	564	7	571	356	213	2	77
South Atlantic	8,782	6,120	2,662	4,563	2,221	6,784	6,020	320	445	1,998
Delaware	82	81	1	37	-------	37	27	11	-------	45
Maryland	1,072	800	272	658	271	930	901	20	8	143
Dist. of Columbia	526	522	4	505	3	508	505	-------	3	18
Virginia	1,230	1,025	206	612	182	794	752	26	16	436
West Virginia	1,521	1,314	208	862	101	963	962	(1)	(1)	559
North Carolina	1,753	825	927	697	658	1,354	1,077	633	214	398
South Carolina	1,015	339	676	163	650	813	652	7	155	202
Georgia	826	469	356	377	343	720	673	14	33	106
Florida	757	745	13	653	13	665	471	178	16	92
East South Central	4,035	1,805	2,229	1,339	2,221	3,561	1,474	84	2,002	474
Kentucky	730	491	239	426	239	665	496	28	141	65
Tennessee	1,581	557	1,023	422	1,023	1,445	179	17	1,249	136
Alabama	1,570	603	968	389	960	1,348	737	4	608	222
Mississippi	154	154	-------	103	-------	103	63	35	4	51
West South Central	4,145	3,756	388	2,609	385	2,994	2,310	302	383	1,150
Arkansas	411	306	105	154	102	256	192	30	35	154
Louisiana	951	951	-------	645	-------	645	560	56	30	306
Oklahoma	604	530	74	460	74	534	403	58	73	70
Texas	2,179	1,969	210	1,349	210	1,559	1,156	158	245	620
Mountain	3,296	1,270	2,026	690	2,021	2,711	1,272	109	1,330	584
Montana	388	29	359	17	358	375	336	-------	39	13
Idaho	313	29	284	5	282	287	251	13	23	25
Wyoming	146	97	50	35	50	84	33	2	49	62
Colorado	452	364	88	251	87	338	259	53	26	114
New Mexico	225	200	25	154	25	179	140	12	27	46
Arizona	864	323	541	141	541	681	95	3	583	182
Utah	289	196	92	83	92	175	147	24	4	114
Nevada	620	33	587	5	586	591	12	1	579	28
Pacific	6,768	2,381	4,387	1,898	4,341	6,239	3,448	1,077	1,714	529
Washington	2,072	402	1,670	205	1,642	1,847	547	479	822	225
Oregon	1,020	291	730	193	713	905	358	28	519	115
California	3,676	1,688	1,988	1,500	1,986	3,487	2,543	570	373	189

[1] Less than 500.

Source: Federal Power Commission; based on annual report, Production of Electric Energy and Capacity of Generating Plants, 1947, and industrial electric power summaries.

No. 559.—Electric Energy—Production by Electric Utilities and Industrial Plants, by Type of Prime Mover and by Class of Ownership, by States: 1947

[In millions of kilowatt-hours. See headnote, table 556]

Division and state	Total	Type of prime mover				Class of ownership				
		Electric utilities and industrial		Electric utilities		Electric utilities				Industrial plants
							Privately owned	Publicly owned		
		Fuel	Hydro	Fuel	Hydro	Total		Municipal	Other	
United States	307,310	224,213	83,097	177,313	78,425	255,739	208,105	12,415	35,218	51,571
New England	16,702	12,070	4,632	9,838	3,507	13,346	13,025	263	57	3,356
Maine	2,379	564	1,816	275	1,176	1,451	1,440	7	4	928
New Hampshire	1,378	398	980	289	753	1,042	1,037	5	--------	336
Vermont	799	56	743	27	697	724	691	34	--------	74
Massachusetts	6,714	5,953	761	4,802	614	5,416	5,226	176	13	1,299
Rhode Island	1,306	1,280	26	1,150	7	1,157	1,133	--------	23	149
Connecticut	4,126	3,819	307	3,295	261	3,556	3,498	41	17	571
Middle Atlantic	63,463	53,432	10,030	43,543	9,658	53,201	52,694	394	113	10,261
New York	28,727	20,778	7,949	17,870	7,607	25,477	25,171	207	100	3,250
New Jersey	9,395	9,347	48	7,862	37	7,899	7,822	65	12	1,497
Pennsylvania	25,340	23,307	2,033	17,811	2,015	19,825	19,701	122	1	5,515
East North Central	72,562	69,050	3,513	55,764	3,115	58,879	55,427	2,819	632	13,683
Ohio	21,433	21,383	50	17,344	34	17,378	16,485	876	17	4,055
Indiana	10,376	10,251	125	7,866	121	7,988	7,331	656	2	2,388
Illinois	18,566	18,358	208	16,049	184	16,233	15,687	421	125	2,333
Michigan	15,590	14,018	1,572	10,286	1,515	11,801	10,786	629	386	3,789
Wisconsin	6,596	5,040	1,557	4,219	1,260	5,478	5,138	237	103	1,118
West North Central	17,109	14,215	2,895	12,394	2,639	15,033	11,497	2,019	1,518	2,076
Minnesota	4,224	3,262	962	2,768	736	3,498	3,071	394	32	726
Iowa	3,903	3,091	813	2,577	813	3,389	3,024	315	50	514
Missouri	3,475	2,945	531	2,567	531	3,098	2,713	373	12	377
North Dakota	435	435	--------	419	--------	419	379	24	17	16
South Dakota	443	401	42	351	15	366	292	71	2	77
Nebraska	1,647	1,118	529	1,094	528	1,622	3	217	1,401	25
Kansas	2,982	2,964	18	2,623	18	2,641	2,014	624	2	341
South Atlantic	42,087	31,584	10,503	23,995	8,271	32,266	29,413	988	1,865	9,821
Delaware	197	197	--------	42	--------	42	20	22	--------	155
Maryland	5,228	3,745	1,484	3,094	1,479	4,573	4,515	47	12	656
Dist. of Columbia	2,213	2,207	6	2,189	5	2,194	2,189	--------	5	19
Virginia	5,771	5,035	736	3,250	648	3,898	3,783	70	46	1,873
West Virginia	9,037	8,027	1,010	5,533	429	5,962	5,961	1	1	3,075
North Carolina	8,427	4,611	3,816	3,946	2,403	6,349	5,160	164	1,025	2,078
South Carolina	3,493	1,390	2,103	564	2,019	2,584	1,912	22	650	910
Georgia	3,962	2,668	1,294	2,244	1,234	3,478	3,370	26	83	484
Florida	3,757	3,704	53	3,133	53	3,186	2,504	637	45	571
East South Central	20,862	8,452	12,410	6,287	12,386	18,673	7,090	253	11,330	2,189
Kentucky	3,404	1,927	1,477	1,736	1,477	3,213	2,050	127	1,036	191
Tennessee	8,376	2,814	5,562	2,209	5,562	7,770	887	40	6,844	605
Alabama	8,480	3,108	5,371	1,975	5,347	7,322	3,857	15	3,450	1,158
Mississippi	603	603	--------	368	--------	368	296	71	--------	235
West South Central	21,074	19,913	1,161	14,190	1,151	15,340	13,021	1,038	1,282	5,734
Arkansas	1,795	1,532	263	664	253	917	680	70	168	878
Louisiana	5,088	5,088	--------	3,682	--------	3,682	3,464	162	56	1,406
Oklahoma	2,540	2,292	248	2,100	248	2,348	1,946	154	248	192
Texas	11,651	11,001	651	7,743	650	8,393	6,931	652	810	3,258
Mountain	15,273	4,956	10,317	2,583	10,298	12,881	6,504	356	6,022	2,392
Montana	2,798	55	2,743	25	2,739	2,764	2,537	(1)	227	33
Idaho	1,550	39	1,511	2	1,505	1,508	1,269	59	179	43
Wyoming	469	227	242	84	242	326	85	4	237	143
Colorado	1,797	1,421	376	1,005	368	1,374	1,119	164	91	424
New Mexico	977	924	53	707	53	760	672	32	56	217
Arizona	3,484	1,362	2,122	558	2,122	2,680	297	7	2,376	804
Utah	1,186	820	366	195	366	561	457	89	16	625
Nevada	3,011	109	2,903	7	2,901	2,908	66	1	2,841	103
Pacific	38,177	10,542	27,636	8,719	27,402	36,120	19,435	4,286	12,400	2,057
Washington	12,152	966	11,185	229	10,997	11,226	3,381	1,910	5,935	925
Oregon	5,811	551	5,260	247	5,214	5,462	1,268	131	4,063	349
California	20,215	9,024	11,191	8,242	11,190	19,432	14,786	2,244	2,402	783

[1] Less than 500,000.

Source: Federal Power Commission; based on annual report, Production of Electric Energy and Capacity of Generating Plants, 1947, and industrial electric power summaries.

No. 560.—Electric Utilities—Balance Sheet and Income Account of Privately Owned Classes A and B Companies: 1937 to 1947

[**All figures in thousands of dollars.** Data cover reports of all companies having annual electric revenues in excess of $250,000. These concerns represent approximately 98 percent of the total privately owned electric utility industry]

ITEM	1937	1939	1941	1943	1945	1947
COMPOSITE BALANCE SHEET						
Assets and other debits, total	16,873,384	17,179,663	17,794,542	18,136,828	17,633,242	19,257,655
Electric plant and adjustments	9,614,616	10,146,978	11,071,392	11,831,380	12,175,986	13,610,718
Other utility plant and adjustments	1,512,880	1,618,143	1,736,929	1,821,418	1,823,914	1,964,260
Unclassified and undistributed	2,724,088	2,349,573	1,928,472	1,190,850	490,882	454,053
Total utility plant	13,851,583	14,114,695	14,736,793	14,843,648	14,490,782	16,029,031
Investment and fund accounts	1,462,433	1,420,800	1,320,974	1,289,818	1,089,443	1,095,965
Cash and working funds	241,253	372,748	408,287	544,417	465,361	440,971
Special deposits and temporary investments	131,541	146,609	165,097	489,212	635,595	432,361
Notes and accounts receivable	360,938	293,575	336,610	286,245	309,854	338,599
Materials and supplies	181,090	164,969	251,972	214,247	230,961	476,306
Other current and accrued assets	44,254	63,775	55,241	48,815	53,950	98,271
Total current and accrued assets	959,075	1,041,676	1,217,207	1,582,936	1,695,721	1,786,508
Other assets	600,293	602,491	519,569	420,425	357,296	346,151
Liabilities and other credits, total	16,873,384	17,179,663	17,794,542	18,136,828	17,633,242	19,257,655
Common capital stock	4,306,364	4,327,184	4,405,818	4,210,241	3,879,314	3,949,270
Preferred capital stock	2,125,432	2,059,959	2,097,840	2,142,825	2,071,133	2,121,717
Premiums, assessments, etc	96,590	96,083	110,165	108,892	111,815	152,673
Total capital stock	6,528,385	6,483,226	6,613,823	6,461,958	6,062,262	6,223,660
Bonds	6,434,203	6,469,969	6,359,019	6,214,779	5,762,528	6,129,842
Other long-term debt	415,992	501,432	462,673	372,675	378,925	471,587
Total long-term debt	6,850,194	6,971,401	6,821,692	6,587,454	6,141,453	6,601,429
Notes and accounts payable	257,549	137,997	220,250	175,190	187,433	393,109
Accrued interest and taxes	281,474	300,058	452,102	646,929	590,285	599,775
Other current and accrued liabilities	153,361	217,095	135,340	164,480	187,062	210,618
Total current and accrued liabilities	692,384	655,150	807,692	986,599	964,830	1,203,502
Reserves for depr. and amort. of utility plant	1,495,250	1,762,386	2,096,412	2,557,241	3,064,919	3,571,634
Other liabilities	280,892	276,728	333,548	445,925	394,817	365,357
Capital surplus	223,998	219,631	253,166	252,421	239,439	403,966
Earned surplus	802,281	811,140	868,210	845,230	765,522	888,107
COMPOSITE INCOME ACCOUNT						
Electric utility operating income:						
Operating revenues	2,157,277	2,271,361	2,621,480	2,970,711	3,171,457	3,697,898
Operating expenses	928,629	957,284	1,125,001	1,315,210	1,453,615	1,953,744
Depreciation and amortization	212,865	243,178	274,913	300,445	315,858	332,197
Taxes	305,428	343,195	512,029	666,597	639,096	651,286
Total operating revenue deductions	1,446,921	1,543,657	1,911,943	2,282,252	2,408,569	2,937,227
Net operating revenues	710,356	727,703	709,537	688,459	762,888	760,671
Income from electric plant leased to others	7,514	7,512	7,403	5,963	4,750	4,524
Electric utility operating income	717,870	735,216	716,940	694,422	767,638	765,195
Other utility operating income	51,095	58,403	52,618	64,938	65,082	50,172
Total utility operating income	768,965	793,619	769,557	759,360	832,720	815,367
Other income	70,698	70,179	66,692	58,020	54,338	67,343
Gross income	839,662	863,797	836,249	817,380	887,058	882,710
Income deductions:						
Interest on long-term debt	282,905	277,563	255,970	243,910	210,771	190,516
Other income deductions (net)	47,278	51,466	53,642	71,947	141,833	49,512
Total income deductions	330,184	329,029	309,612	315,857	352,604	240,028
Net income	509,479	534,768	526,637	501,523	534,454	642,682

Source: Federal Power Commission; annual report, Statistics of Electric Utilities in the United States.

No. 561.—Electric Light and Power Industry—Summary: 1902 to 1937

[Figures cover all establishments engaged either in generation and distribution of electric energy, or distribution or transmission of electric energy, to public or private consumers. Statistics do not include establishments which consume all current generated, such as manufacturing and mining companies, railroads, railways, hotels, and other enterprises not in the nature of public utilities, unless a portion of their generated output is sold commercially. Plants operated by the Federal Government or by States were not included unless energy was sold commercially]

ITEM	1902	1912	1917	1922	1927	1932	1937
Number of reporting establishments,[1] total	3,620	5,221	6,542	6,355	4,335	3,429	3,501
Generating all or part of current	(2)	4,646	5,124	4,389	2,331	1,788	1,812
Distributing or transmitting only	(2)	575	1,418	1,966	2,004	1,641	1,689
Number of separate generating stations	(2)	(2)	5,952	5,444	4,801	4,339	[3] 4,027
Prime movers, hp. (thousands)	1,845	7,530	12,937	19,851	35,710	47,967	50,220
Steam engines	1,394	1,895	1,702	1,371	994	649	712
Steam turbines		3,054	6,747	12,355	24,323	32,904	33,177
Internal-combustion engines	12	111	210	303	548	881	1,101
Hydroturbines and water wheels	439	2,469	4,277	5,822	9,844	13,532	15,230
Generators, by type of prime mover, rated kilowatt capacity (thousands)	1,212	5,165	8,994	14,313	25,811	34,623	36,481
Steam engines	(2)	(2)			697	453	521
Steam turbines	(2)	(2)	6,209	9,963	17,848	24,033	24,600
Internal-combustion engines	(2)	(2)			417	598	762
Hydroturbines and water wheels	(2)	(2)	2,786	4,351	6,850	9,540	10,598
Output,[4] kilowatt-hours (millions)		14,183	31,044	50,274	96,829	111,716	168,300
Reported as generated	2,507	11,569	25,438	40,292	74,686	79,657	121,097
By steam	(2)	(2)	(2)	(2)	45,391	45,375	74,230
By internal-combustion	(2)	(2)	(2)	(2)	577	715	1,089
By water	(2)	(2)	(2)	(2)	28,718	33,567	45,779
Reported as purchased or received from other sources	(2)	2,614	5,606	9,983	22,142	32,058	47,202
Number of customers (thousands)	(2)	3,838	7,179	12,710	21,790	23,862	27,219
Ultimate consumers	(2)	(2)	(2)	(2)	21,786	23,858	27,216
Resale	(2)	(2)	(2)	(2)	4	3	3
Revenue from elec. service ($1,000)	[5] 84,187	[5] 287,139	[5] 502,060	[5] 1,020,439	1,802,655	1,975,304	2,356,513
Ultimate consumers	(2)	255,961	444,535	945,428	1,667,046	1,821,106	2,177,617
Resale	(2)	31,177	57,525	75,011	135,610	154,198	178,896
Kilowatt-hours sold (millions)	(2)	(2)	25,752	41,965	79,011	88,265	132,930
Ultimate consumers	(2)	(2)	18,287	32,948	63,612	65,896	103,070
Resale	(2)	(2)	7,465	9,017	15,399	22,369	29,859
Kilowatt-hours distributed for other purposes (nonrevenue) (millions)	(2)	(2)	(2)	(2)	17,817	23,451	35,370
Not reported sold	(2)	(2)	(2)	(2)	5,342	9,759	17,456
Energy lost in transmission, distribution, conversion, etc	(2)	(2)	(2)	7,135	12,476	13,692	17,914
Percent loss (based on total output)	(2)	(2)	(2)	14.2	12.9	12.3	10.6
Employees, number	30,326	79,335	105,541	150,762	251,020	244,573	[6] 281,335
Salaries and wages ($1,000)	20,647	61,162	95,242	212,433	[7] 367,632	[8] 323,880	470,353
Operating expenses (includes cost of fuel, purchased and interchanged power, maintenance and other operating expenses) ($1,000)	(2)	(2)	(2)	553,068	[7] 750,484	803,100	1,042,193
Value of electric utility plant (millions of dollars)	505	2,176	3,060	4,465	[9] 9,297	12,664	12,941
Fuel used for electric generation:[10]							
Coal, anthracite (1,000 short tons)	(2)	(2)	2,442	1,835	2,002	1,559	2,024
Coal, bituminous (1,000 short tons)	(2)	(2)	19,385	24,492	35,681	25,998	40,469
Coke (1,000 short tons)	(2)	(2)	63	37	32	153	88
Fuel oil (1,000 bbls. of 42 gals.)	(2)	(2)	6,158	11,856	7,146	7,868	13,896
Gasoline (1,000 bbls. of 42 gals.)	(2)	(2)					3
Gas, manufactured (1,000,000 cubic feet)	(2)	(2)	14,199	20,174	6,161	1,936	4,878
Gas, natural (1,000,000 cubic feet)	(2)	(2)			59,362	96,365	159,453

[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] Not available.
[3] Comprises 1,112 stations operated by steam; 1,283 by internal-combustion; 1,426 by water; and 206 composite (stations having more than 1 type of prime mover).
[4] Comprises generated output and energy purchased and received from other sources. Since the energy "Received from other sources" was, in a large part, purchased from other electric light and power companies, a considerable duplication is involved, as such energy would also be included in the "Generated."
[5] Includes "Estimated value of free service." [6] Number on June 30.
[7] Reported by commercial establishments only. No data for municipal establishments.
[8] Not comparable with figures for other years since amount includes only salaries and wages chargeable to electric operating service.
[9] Includes value of plant and equipment, $902,000,000, owned by companies engaged in the operation of electric light and power plants and other public utilities, not distributed among the several utilities.
[10] In addition, hogged fuel, sawmill, and other waste were reported.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Electric Light and Power Industry. Survey discontinued.

No. 562.—Electric Light and Power Industry—Energy Generated, Sales, Revenue, and Customers: 1930 to 1948

[Figures for energy generated obtained by Edison Electric Institute from Federal Power Commission. Figures for sales, revenue, and customers for 1930 and 1935 not strictly comparable with those for 1940 and subsequent years due to change in classification of sales. See also *Historical Statistics*, series G 225-233]

CLASS	1930 [1]	1935 [1]	1940	1945	1947	1948
Energy generated—million kilowatt-hours	91,112	95,287	141,837	222,486	255,739	282,594
Sales to ultimate customers—do	74,906	77,596	118,643	193,558	217,581	240,740
Residential or domestic [2]	11,018	13,978	23,318	34,184	44,171	50,978
Rural (distinct rural rates) [3]	1,473	1,211	1,991	3,668	5,551	6,327
Commercial and industrial:						
Small light and power	13,944	13,588	22,373	30,438	38,379	43,193
Large light and power	40,148	40,865	59,557	107,490	113,523	124,088
All other	8,323	7,955	11,405	17,777	15,957	16,154
Revenue from ultimate customers 1,000 dollars	1,990,955	1,911,989	2,440,218	3,341,518	3,852,765	4,313,313
Residential or domestic [2]	664,441	700,358	895,951	1,167,356	1,366,498	1,532,663
Rural (distinct rural rates) [3]	24,524	21,572	49,473	90,345	123,748	140,648
Commercial and industrial:						
Small light and power	575,598	519,213	689,253	850,213	1,031,335	1,152,783
Large light and power	566,468	531,107	631,428	1,001,957	1,106,555	1,250,684
All other	159,924	139,739	174,112	231,647	224,628	236,535
Ultimate customers, Dec. 31—thousands	24,556	25,313	30,191	34,031	38,432	40,722
Residential or domestic [2]	20,332	21,019	24,952	28,117	31,622	33,549
Rural (distinct rural rates) [3]	199	216	686	1,234	1,522	1,695
Commercial and industrial:						
Small light and power	3,626	3,711	4,260	4,398	4,961	5,132
Large light and power	347	305	178	162	191	204
All other	53	62	115	119	136	142

[1] See headnote.
[2] Prior to 1940 covers residential and eastern farms.
[3] Prior to 1940 covers western farms.

Source: Edison Electric Institute, New York, N. Y.; annual statistical bulletin.

No. 563.—Average Typical Bills for Specified Quantities of Electric Energy in Cities of 50,000 Population or More: 1928 to 1949

[25,100, and 250 kilowatt-hour consumptions were chosen to represent the typical usage, respectively, of residential consumers who use electricity for lighting and the operation of small appliances only; for lighting, small appliances, and refrigeration; and for lighting, small appliances, refrigeration, and cooking]

DATE	AVERAGE BILL IN DOLLARS FOR—			AVERAGE BILL IN CENTS PER KILOWATT-HOUR FOR—			INDEX OF AVERAGE BILL (JAN. 1, 1935=100) FOR—		
	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Oct. 1, 1928	1.76	5.34	11.25	7.0	5.3	4.5	112.1	120.0	125.6
Oct. 1, 1929	1.73	5.13	10.69	6.9	5.1	4.3	110.2	115.3	119.3
Oct. 1, 1930	1.70	4.98	10.38	6.8	5.0	4.2	108.3	111.9	115.8
Oct. 1, 1931	1.69	4.72	9.58	6.8	4.7	3.8	107.6	106.1	106.9
Oct. 1, 1932	1.67	4.65	9.42	6.7	4.7	3.8	106.4	104.5	105.1
Oct. 1, 1933	1.63	4.58	9.26	6.5	4.6	3.7	103.8	102.9	103.3
Oct. 1, 1934	1.58	4.47	8.98	6.3	4.5	3.6	100.6	100.4	100.2
Jan. 1, 1935 [1]	1.57	4.45	8.96	6.3	4.5	3.6	100.0	100.0	100.0
Jan. 1, 1935 [2]	1.60	4.47	8.90	6.3	4.5	3.6	100.0	100.0	100.0
Jan. 1, 1936	1.53	4.21	7.85	6.1	4.2	3.1	95.6	94.2	88.2
Jan. 1, 1937	1.45	4.10	7.51	5.8	4.1	3.0	90.6	91.7	84.4
Jan. 1, 1938	1.43	4.03	7.34	5.7	4.0	2.9	89.4	90.2	82.5
Jan. 1, 1939	1.40	3.96	7.21	5.6	4.0	2.9	87.5	88.6	81.0
Jan. 1, 1940	1.36	3.88	7.05	5.4	3.9	2.8	85.0	86.8	79.2
Jan. 1, 1941	1.34	3.83	6.98	5.4	3.8	2.8	83.8	85.7	78.4
Jan. 1, 1942	1.34	3.80	6.95	5.4	3.8	2.8	83.8	85.0	78.1
Jan. 1, 1943	1.33	3.80	6.94	5.3	3.8	2.8	83.1	85.0	78.0
Jan. 1, 1944	1.33	3.78	6.92	5.3	3.8	2.8	83.1	84.6	77.8
Jan. 1, 1945	1.32	3.76	6.89	5.3	3.8	2.8	82.5	84.1	77.4
Jan. 1, 1946	1.28	3.73	6.86	5.1	3.7	2.7	80.0	83.4	77.1
Jan. 1, 1947	1.23	3.64	6.78	4.9	3.6	2.7	76.9	81.4	76.2
Jan. 1, 1948	1.24	3.64	6.79	5.0	3.6	2.7	77.5	81.4	76.3
Jan. 1, 1949	1.25	3.68	6.87	5.0	3.7	2.7	78.1	82.3	77.2

[1] Average bills for 1935 and prior years are for 150 cities of 50,000 population or more. The index numbers are adjusted to be comparable with subsequent years.
[2] Average bills for 1935 and subsequent years are for all cities of 50,000 population or more.

Source: Federal Power Commission; annual report, Typical Electric Bills, Including Residential, Commercial and Industrial Service, Cities of 50,000 Population and More.

No. 564.—Lowest and Highest Net Monthly Residential Electric Bills for 100 Kilowatt-Hours Use, Based on Rates as of Jan. 1, 1948, for Communities of 2,500 Population and More, by States

Division and State	Served by privately-owned utilities		Served by publicly-owned utilities		Communities of 50,000 population and more		Communities of 10,000 to 50,000 population		Communities of 2,500 to 10,000 population	
	Utilities	Communities	Utilities	Communities	Lowest bills	Highest bills	Lowest bills	Highest bills	Lowest bills	Highest bills
New England:										
Maine	7	40	3	3	[1] $4.25	[1] $4.25	$4.20	$4.25	*$3.60	$5.40
New Hampshire	6	22	1	1	[1] 4.16	[1] 4.16	3.93	4.90	4.05	*5.00
Vermont	4	15	1	1	[2]	[2]	*4.07	4.98	4.00	4.98
Massachusetts	36	121	23	25	3.15	4.92	*2.93	5.77	*3.15	7.04
Rhode Island	3	25	1	1	4.60	4.61	4.58	4.61	4.58	*5.10
Connecticut	8	59	6	6	3.60	3.98	*3.28	*4.44	3.60	4.60
Middle Atlantic:										
New York	23	220	23	24	2.78	5.10	*2.41	5.26	*2.19	5.85
New Jersey	6	181	7	8	3.83	4.63	3.83	*5.67	3.83	*5.90
Pennsylvania	29	369	23	23	2.96	4.74	*3.65	5.04	2.96	6.13
East North Central:										
Ohio	13	150	47	48	2.50	4.20	2.50	4.25	*2.70	*5.00
Indiana	8	71	30	30	*2.75	3.95	*3.20	*4.45	*2.70	*5.50
Illinois	16	185	31	31	2.85	3.85	2.85	4.55	2.85	*6.50
Michigan	14	105	29	30	*2.40	3.20	*2.53	4.10	*2.56	*7.00
Wisconsin	12	66	27	28	2.40	3.48	*2.15	4.10	*2.50	4.35
West North Central:										
Minnesota	7	38	41	41	3.33	3.70	*2.10	3.90	*3.00	*5.00
Iowa	14	64	26	26	3.00	3.90	2.85	4.48	*2.81	*5.25
Missouri	10	60	36	37	2.85	3.25	2.85	4.05	2.85	*6.00
North Dakota	3	10	2	2	[2]	[2]	3.50	3.88	*3.05	4.25
South Dakota	6	14	6	6	[2]	[2]	3.50	4.40	3.50	*5.00
Nebraska			28	36	*2.45	*3.64	*2.38	*4.03	*2.59	*4.60
Kansas	8	35	29	29	*2.80	3.50	*2.60	*5.10	*3.25	*5.75
South Atlantic:										
Delaware	1	4	5	5	[1] 4.50	[1] 4.50	[2]	[2]	4.55	*5.50
Maryland	6	28	2	2	[1] 3.40	[1] 3.40	2.51	4.62	2.51	5.98
Virginia	6	55	11	11	3.10	3.82	3.40	4.25	*2.50	*5.23
West Virginia	8	51	1	1	3.82	3.82	3.82	4.25	3.75	4.41
North Carolina	6	49	31	31	3.20	3.40	3.20	*5.10	3.20	*5.50
South Carolina	6	40	17	17	3.48	3.92	3.20	*4.00	*2.18	*4.32
Georgia	4	45	34	34	3.10	3.88	*3.00	*4.95	*2.50	*4.90
Florida	5	57	20	20	3.75	*4.60	4.19	*6.00	4.19	*6.60
District of Columbia	1	1			2.51	2.51				
East South Central:										
Kentucky	4	44	15	15	2.50	2.75	*2.25	*4.50	2.50	*5.47
Tennessee	3	3	52	58	*2.50	*2.50	*2.00	*3.75	*2.00	*4.65
Alabama	3	41	25	25	2.75	3.10	*2.00	*4.30	*2.00	*5.00
Mississippi	2	27	21	21	[1] 3.95	[1] 3.95	*2.00	*4.38	*2.00	*6.45
West South Central:										
Arkansas	6	41	13	13	[1] 3.75	[1] 3.75	3.69	4.12	*3.22	*5.50
Louisiana	7	40	20	20	3.68	3.72	3.68	*5.25	3.68	*6.50
Oklahoma	3	50	26	26	3.57	3.69	3.69	*5.50	3.57	*7.10
Texas	13	175	42	46	2.84	4.05	3.19	*5.20	*2.15	5.75
Mountain:										
Montana	3	21	2	2	[2]	[2]	3.83	3.83	3.14	*5.00
Idaho	7	22	4	4	[2]	[2]	3.11	*3.40	*2.79	4.36
Wyoming	8	12	1	1	[2]	[2]	3.35	4.48	3.58	5.55
Colorado	6	21	9	9	3.30	4.07	*3.35	4.68	*2.70	4.68
New Mexico	5	16	6	6	[2]	[2]	3.56	5.98	3.56	*5.90
Arizona	9	20	2	2	[1] 3.14	[1] 3.14	[1] 3.17	[1] 3.17	*3.00	*5.40
Utah	3	12	14	14	[1] 3.10	[1] 3.10	*2.79	*3.28	*3.06	3.90
Nevada	5	7			[2]	[2]	[1] 3.51	[1] 3.51	2.78	6.85
Pacific:										
Washington	3	28	14	15	*1.70	2.76	*2.60	*3.09	*2.45	*3.50
Oregon	6	32	3	3	[1] 2.85	[1] 2.85	*1.80	3.35	*2.50	*3.65
California	10	197	22	25	*2.50	3.20	2.45	*4.69	2.82	4.94

*Publicly owned utility.
[1] Only 1 community in this population group.
[2] No community in this population group.

Source: Federal Power Commission; annual report on typical residential electric bills, Jan. 1, 1948.

No. 565.—Water Power—Developed, 1920 to 1947, and Estimated Undeveloped, January 1947

[**In thousands of kilowatts.** Developed water power for 1947 and prior years represent rated kilowatt capacity of electric generators operated by actual installations of water wheels and turbines. Amounts prior to 1939 include generator capacities of electric utility plants only (see headnote, table 556) as generator capacities of industrial plants not generally available. 1939 and 1947 industrial figures not directly comparable; in many instances appear to be in close agreement. Water wheel and turbine capacity of industrial and miscellaneous plants, expressed in horsepower, and including mechanical drive plants (of 395,000 horsepower in 1939) not having electric generators were: 1921, 1,726,578; 1925, 1,750,323; 1930, 1,665,932; 1935, 1,929,404; 1939, 2,122,228]

DIVISION AND STATE	DEVELOPED WATER POWER (CAPACITY OF ACTUAL INSTALLATIONS ONLY)										Estimated undeveloped water power Jan. 1947
	Electric utilities only				Electric utilities and industrial plants						
					Dec. 1939			Dec. 1947			
	Dec. 1920	Dec. 1925	Dec. 1930	Dec. 1935	Total	Utilities	Industrial	Total	Utilities	Industrial	
United States	3,704	5,922	8,585	9,399	12,075	11,004	1,071	15,956	14,971	985	77,130
New England	291	415	753	804	1,115	833	282	1,165	894	271	3,348
Maine	40	89	174	177	301	188	113	369	246	122	2,448
New Hampshire	43	58	212	223	292	235	57	283	233	50	393
Vermont	49	92	156	156	173	158	15	175	161	15	303
Massachusetts	114	126	129	167	228	161	67	221	164	56	110
Rhode Island	2	5	2	2	14	3	11	13	3	10	------
Connecticut	44	44	79	79	107	88	19	105	87	18	94
Middle Atlantic	662	1,027	1,290	1,517	1,633	1,563	70	1,662	1,584	78	5,175
New York	540	860	1,074	1,132	1,229	1,165	64	1,227	1,155	72	2,738
New Jersey	1	1	1	1	6	3	3	10	7	3	105
Pennsylvania	120	166	215	384	399	395	4	425	422	3	2,332
East North Central	372	528	602	644	790	703	87	818	741	77	2,574
Ohio	17	18	13	12	16	12	4	15	12	4	169
Indiana	11	35	35	33	38	35	3	37	35	1	378
Illinois	43	42	50	45	51	49	2	55	49	5	1,193
Michigan	167	219	258	316	368	344	24	382	367	15	305
Wisconsin	134	214	247	239	318	263	55	329	277	52	529
West North Central	257	285	279	427	537	501	36	617	562	55	4,735
Minnesota	88	124	122	126	158	126	32	172	126	46	310
Iowa	138	125	124	127	127	127	(1)	133	133	------	477
Missouri	12	13	13	150	151	151	(1)	151	151	------	2,073
North Dakota	------	------	------	------	(1)	------	(1)	------	------	------	320
South Dakota	5	4	4	4	4	4	------	12	3	8	1,097
Nebraska	7	12	11	13	87	86	1	143	142	(1)	314
Kansas	7	7	6	7	9	7	2	7	7	------	144
South Atlantic	589	878	1,603	1,678	2,224	1,803	421	2,662	2,221	442	7,462
Delaware	------	------	------	------	(1)	------	(1)	1	------	1	------
Maryland	1	22	272	272	273	271	2	272	271	1	463
District of Columbia	------	------	2	2	3	2	1	4	3	1	60
Virginia	45	57	83	97	204	182	22	206	182	24	916
West Virginia	9	7	56	56	209	101	108	208	101	107	2,600
North Carolina	144	185	397	398	651	400	251	927	658	270	716
South Carolina	231	339	506	503	520	495	25	676	650	25	515
Georgia	155	261	271	333	349	337	12	356	343	13	2,004
Florida	4	5	14	14	14	14	(1)	13	13	------	188
East South Central	170	469	863	823	1,270	1,140	130	2,229	2,221	8	4,552
Kentucky	------	26	105	105	111	111	(1)	239	239	------	1,695
Tennessee	97	124	127	128	432	310	122	1,023	1,023	------	737
Alabama	72	319	632	589	727	719	8	968	960	8	1,500
Mississippi	------	------	------	------	------	------	------	------	------	------	530
West South Central	4	13	19	101	140	139	1	388	385	3	2,894
Arkansas	1	10	11	67	67	67	------	105	102	3	1,142
Louisiana	------	------	------	------	1	------	1	------	------	------	128
Oklahoma	1	1	2	2	2	2	------	74	74	------	832
Texas	2	2	6	33	71	71	(1)	210	210	(1)	792
Mountain	487	570	784	792	1,583	1,581	2	2,026	2,021	5	17,755
Montana	212	236	300	300	321	321	(1)	359	358	1	3,711
Idaho	135	175	225	235	257	257	(1)	284	282	2	7,746
Wyoming	2	5	12	16	47	47	------	50	50	------	928
Colorado	48	52	52	54	67	66	1	88	87	1	1,116
New Mexico	1	(1)	1	1	1	1	------	25	25	------	183
Arizona	23	28	87	87	293	293	------	541	541	------	2,731
Utah	58	64	98	91	93	92	1	92	92	(1)	1,081
Nevada	9	8	9	9	505	504	1	587	586	1	259
Pacific	872	1,738	2,391	2,613	2,783	2,741	42	4,387	4,341	46	28,635
Washington	241	430	596	690	812	784	28	1,670	1,642	27	14,182
Oregon	65	121	156	177	286	278	8	730	713	17	6,528
California	566	1,187	1,640	1,745	1,685	1,680	5	1,988	1,986	2	7,925

[1] Less than 500.

Source: Federal Power Commission. Electric utility figures through 1939 based on report—Electric Power Statistics, 1920-40; industrial, 1939, based on Bureau of Census report—Power Equipment and Energy Consumption, 1939 Census of Manufactures. Developed water power, 1947, from annual report, Production of Electric Energy and Capacity of Generating Plants, 1947, and industrial electric power summaries.

19. Public Roads and Motor Vehicles

Historical statistics.—In this section, tabular headnotes (as "See also *Historical Statistics*, series K 174–181") provide cross-references, where applicable, to Historical Statistics of the United States, 1789–1945. In that historical supplement to the Statistical Abstract, statistics are carried back year by year as far as possible. See also the historical appendix of the present issue of the Abstract for specific titles of series and the earliest year shown in the supplement.

No. 566.—Rural Roads in the United States—Approximate Mileage: 1921 to 1946

[**In thousands of miles.** Rural roads include roads outside of incorporated areas and certain of the more populous unincorporated areas. Figures cover continental U. S. and refer to existing mileage at end of calendar year. See also *Historical Statistics*, series K 174–181]

TYPE AND CONTROL	1921	1925	1930	1935	1940	1944	1945	1946
All rural roads, total	2,925	3,006	3,009	3,032	2,990	3,005	3,012	3,009
Primary State highways	203	275	324	332	329	335	339	342
Secondary State highways				58	81	83	84	86
County roads under State control				115	114	117	118	119
County and local roads [1]	2,722	2,731	2,685	2,527	2,466	2,470	2,471	2,462
Surfaced rural roads, total	387	521	694	1,063	1,340	1,430	1,495	1,504
Primary State highways	84	145	227	280	302	312	316	318
Secondary State highways				39	65	69	71	73
County roads under State control				38	55	63	63	64
County and local roads [1]	303	376	467	706	918	986	1,045	1,049
Nonsurfaced rural roads, total [2]	2,538	2,485	2,315	1,969	1,650	1,517	1,517	1,505
Primary State highways	119	130	97	52	27	23	23	24
Secondary State highways				19	16	14	13	13
County roads under State control				77	59	54	55	55
County and local roads [1 2]	2,419	2,355	2,218	1,821	1,548	1,426	1,426	1,413

[1] Includes mileage in national and State parks, forests, reservations, etc., not included as part of State highway systems.
[2] Includes mileage not classified by type of surface.

Source: Federal Works Agency, Public Roads Administration; Highway Statistics, Summary to 1945; and subsequent annual reports.

No. 567.—State Highway Systems—Existing Mileage, Mileage Built, Funds Available and Disbursements: 1930 to 1947

[Figures cover continental U. S. and refer to calendar years for most States. See also *Historical Statistics*, series K 184 for data on total mileage built by State highway departments]

ITEM	1930	1935	1940	1944	1945	1946	1947
Total mileage at end of year	[1] 324,498	523,474	551,766	567,177	573,234	579,410	582,235
Mileage under State control	(2)	520,351	548,499	564,174	570,239	576,569	579,459
Primary State-highway systems	[1] 324,498	331,867	329,472	334,534	338,310	342,071	337,020
Nonsurfaced roads	[1] 97,726	52,060	26,991	22,944	22,873	24,116	15,447
Surfaced roads	[1] 226,772	279,807	302,481	311,590	315,437	317,955	321,573
Low type [3]	[1] 142,659	168,282	180,091	180,462	182,786	183,873	188,499
High type [3]	[1] 84,113	111,525	122,390	131,128	132,651	134,082	133,074
Secondary roads	(2)	173,603	195,245	200,545	202,356	204,293	211,676
Urban extensions of State-highway systems	(2)	14,881	23,782	29,095	29,573	30,205	30,763
Connecting streets not under State control	(2)	3,123	3,267	3,003	2,995	2,841	2,776
Total mileage built during year by State-highway departments	35,277	26,814	32,594	15,080	15,278	21,713	32,870
Graded and drained	7,813	3,284	2,207	350	283	440	1,343
Surfaced	27,464	23,530	30,387	14,730	14,995	21,273	31,527
State-highway funds available ($1,000) [4]	1,423,164	1,205,945	2,037,606	2,034,138	2,242,572	2,959,836	3,602,666
Disbursements of State-highway funds ($1,000) [4]	1,139,677	848,355	1,591,290	1,212,066	1,255,298	1,669,889	2,362,900

[1] No segregation of secondary State highways from primary systems in 1930; figures shown include an undetermined amount of municipal street mileage on State systems or connecting these systems. Not strictly comparable with subsequent years, since county road mileage had not yet been taken over by State highway departments.
[2] Not available.
[3] Low type includes soil-surfaced, gravel or stone, bituminous surface-treated, and mixed bituminous surfaces; high type includes bituminous penetration, bituminous concrete and sheet asphalt, Portland cement concrete, brick, block and dual-type surfaces, and unclassified surfacing on bridges.
[4] Includes funds transferred to or from local units. Data for D. C. not included prior to 1940. Beginning 1940, includes proceeds of highway-user imposts allotted by the State treasurer for (1) county and other local roads and streets and for (2) nonhighway purposes.

Source: Federal Works Agency, Public Roads Administration; Highway Statistics, Summary to 1945; and subsequent annual reports.

No. 568.—Existing Rural Road Mileage, by Type and by Governmental Control, by States, End of 1946

[Rural roads include roads outside incorporated areas and certain more populous unincorporated areas. Compiled for latest available year from reports of State authorities and planning survey data]

State	Total	Type				Governmental control		
		Surfaced			Nonsurfaced	State	Local	Federal [2]
		Total	Low type [1]	High type [1]				
Continental United States	[3] 3,009,145	1,503,846	1,309,497	194,349	1,505,212	[4] 549,873	2,387,542	71,730
Alabama	60,048	40,461	39,108	1,353	19,587	6,722	52,956	370
Arizona	29,208	7,103	6,570	533	22,105	3,804	15,608	9,796
Arkansas	55,532	21,612	19,836	1,776	33,920	9,318	46,214	
California	[3] 97,931	52,853	45,374	7,479	45,068	12,694	74,937	10,300
Colorado	75,767	16,280	15,788	492	59,487	11,817	63,162	788
Connecticut	10,928	8,857	6,520	2,337	2,071	2,677	8,251	
Delaware	3,756	2,941	2,045	896	815	3,756		
Florida	38,591	16,248	14,456	1,792	22,343	7,704	29,761	1,126
Georgia	90,439	19,694	14,452	5,242	70,745	12,862	77,577	
Idaho	36,091	16,598	16,353	245	19,493	4,975	24,918	6,198
Illinois	104,579	82,574	70,622	11,952	22,005	10,224	94,355	
Indiana	82,206	72,843	63,742	9,101	9,363	9,549	72,657	
Iowa	101,557	59,632	53,882	5,750	41,925	8,779	92,778	
Kansas	129,516	36,240	34,417	1,823	93,276	9,389	120,112	15
Kentucky	58,257	32,637	30,035	2,602	25,620	9,848	47,598	811
Louisiana	37,009	21,023	16,991	4,032	15,986	17,637	19,372	
Maine	20,654	16,986	16,247	739	3,668	9,519	11,039	96
Maryland	16,874	11,038	6,813	4,225	5,836	4,424	12,365	85
Massachusetts	17,323	16,147	13,175	2,972	1,176	1,807	15,516	
Michigan	93,099	67,717	60,417	7,300	25,382	8,437	84,662	
Minnesota	109,604	77,348	74,203	3,145	32,256	10,792	97,661	1,151
Mississippi	61,146	33,367	30,565	2,802	27,779	6,134	53,983	1,029
Missouri	116,814	54,293	49,670	4,623	62,521	15,540	100,504	770
Montana	69,620	17,322	17,287	35	52,298	8,562	55,292	5,766
Nebraska	100,611	27,236	25,968	1,268	73,375	8,846	91,506	259
Nevada	23,765	4,280	4,236	44	19,485	5,536	18,229	
New Hampshire	12,493	8,547	8,098	449	3,946	3,564	8,821	108
New Jersey	18,345	14,363	11,612	2,751	3,982	1,758	16,587	
New Mexico	61,859	8,313	7,612	701	53,546	9,749	48,238	3,872
New York	81,078	69,022	43,875	25,147	12,056	14,219	66,859	
North Carolina	61,403	35,268	30,300	4,968	26,135	60,134		1,269
North Dakota	114,610	24,210	24,180	30	90,400	6,849	107,347	414
Ohio	86,110	75,217	64,193	11,024	10,893	16,168	69,942	
Oklahoma	100,210	18,598	14,704	3,894	81,612	9,680	89,305	1,225
Oregon	54,054	22,468	18,959	3,509	31,586	7,477	33,784	12,793
Pennsylvania	86,621	48,727	30,738	17,989	37,894	38,665	47,876	80
Rhode Island	2,517	2,151	1,544	607	366	778	1,739	
South Carolina	46,023	15,241	12,846	2,395	30,782	14,639	31,384	
South Dakota	98,463	27,406	27,092	314	71,057	6,087	91,429	947
Tennessee	65,153	48,516	45,120	3,396	16,637	7,667	56,912	574
Texas	196,615	71,651	58,109	13,542	124,964	25,099	171,516	
Utah	24,385	8,621	7,940	681	15,764	4,864	15,427	4,094
Vermont	13,473	7,961	7,575	386	5,512	1,820	11,631	22
Virginia	[3] 48,318	36,929	30,889	6,040	11,312	46,887	757	674
Washington	49,980	30,583	26,469	4,114	19,397	6,044	39,821	4,115
West Virginia	34,236	15,859	12,973	2,886	18,377	32,816	1,085	335
Wisconsin	85,308	75,151	70,210	4,941	10,157	9,305	75,465	538
Wyoming	26,966	5,714	5,687	27	21,252	4,252	20,604	2,110

[1] Low type includes soil-surfaced, gravel or stone, and low-type bituminous; high type includes high-type bituminous, Portland cement concrete, brick, block, and dual-type surfaces.
[2] Mileages shown are in addition to those forming a part of State or local highway systems.
[3] Total includes 87 miles, not classified by type, for the following States: California, 10; Virginia, 77.
[4] Includes 3,509 miles of State park, forest, and reservation roads.

Source: Federal Works Agency, Public Roads Administration; Highway Statistics, 1947.

No. 569.—Disbursements of State-Highway Funds, by States: 1921 to 1947

[Includes disbursements, whether from current revenues or proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous disbursements. Beginning 1935 covers calendar years; figures for earlier years for many States represent fiscal years. Beginning with 1940, figures not comparable with those for prior years as they include data for certain State income applicable to highways, namely, proceeds of highway-user imposts allotted, without passing through State highway departments, by State treasurer for (1) county and other local roads and streets and for (2) nonhighway purposes. These data not included in prior years]

[In thousands of dollars]

DIVISION AND STATE	Year in which first State-aid law passed	1921	1930	1935	1940	1943	1944	1945	1946	1947
Cont. U. S.		**411,995**	**1,139,677**	**848,355**	**1,591,290**	**1,241,494**	**1,212,066**	**1,255,298**	**1,669,889**	**2,362,900**
New England		**25,910**	**76,418**	**81,054**	**98,625**	**56,743**	**58,070**	**64,034**	**89,091**	**129,988**
Maine	1901	6,524	17,184	11,671	13,550	9,275	9,791	10,169	18,848	32,707
New Hampshire	1903	2,360	9,640	6,165	8,386	5,174	5,110	6,935	7,993	9,953
Vermont	1898	951	9,013	5,920	8,365	3,972	4,093	3,975	6,134	9,204
Massachusetts	1892	7,864	21,926	36,719	37,635	16,190	20,157	21,428	22,905	36,365
Rhode Island	1902	2,213	3,367	3,681	8,011	5,889	5,764	6,350	7,613	9,235
Connecticut	1895	5,998	15,288	16,898	22,678	16,243	13,155	15,177	25,598	32,524
Middle Atlantic		**101,475**	**216,236**	**127,513**	**307,819**	**214,396**	**207,562**	**186,770**	**222,287**	**351,536**
New York	1898	36,855	73,233	54,770	158,946	99,406	97,142	72,575	88,766	162,509
New Jersey	1891	15,608	47,414	26,771	57,509	41,755	37,919	43,980	34,991	47,469
Pennsylvania	1903	49,012	95,589	45,972	91,364	73,235	72,501	70,215	98,530	141,558
E. N. Central		**68,512**	**190,673**	**141,442**	**312,905**	**277,505**	**267,129**	**242,329**	**308,047**	**389,683**
Ohio	1904	15,547	47,491	25,772	93,403	86,953	75,549	76,257	96,343	116,645
Indiana	1917	8,110	22,569	17,953	40,461	35,037	38,501	34,985	42,802	50,294
Illinois	1905	15,693	48,854	42,729	70,536	56,194	52,505	53,188	72,812	88,580
Michigan	1905	16,744	46,136	23,653	67,403	66,886	68,721	50,159	60,118	87,973
Wisconsin	1911	12,417	25,623	31,335	41,102	32,435	31,853	27,740	35,972	46,191
W. N. Central		**48,078**	**171,732**	**112,817**	**148,681**	**102,891**	**103,958**	**109,097**	**164,521**	**237,231**
Minnesota	1905	7,480	39,365	22,950	31,275	21,203	21,547	22,807	35,998	50,595
Iowa	1904	18,276	50,607	22,239	32,517	24,143	23,643	22,633	32,861	54,024
Missouri	1907	4,727	43,921	27,661	27,553	20,250	19,463	20,554	28,456	37,818
North Dakota	1909	1,030	3,992	4,911	7,355	4,741	5,833	6,105	6,927	13,888
South Dakota	1911	4,738	5,915	6,728	9,236	5,802	5,535	5,644	8,344	14,304
Nebraska	1911	4,836	11,087	10,379	20,117	13,119	15,130	15,802	22,168	27,090
Kansas	1911	6,991	16,845	17,949	20,628	13,633	12,807	15,552	29,767	39,512
South Atlantic		**51,181**	**139,904**	**127,216**	**232,740**	**178,262**	**173,081**	**194,163**	**288,117**	**386,894**
Delaware	1903	3,765	8,492	3,613	4,379	2,955	3,163	3,340	4,941	6,058
Maryland	1898	7,616	17,992	14,700	27,243	22,375	17,588	19,422	25,699	31,222
Dist. of Col.	1938	(1)	(1)	(1)	6,588	5,297	4,173	4,362	7,868	10,693
Virginia	1906	7,114	19,189	19,790	28,277	22,847	25,264	29,487	47,203	60,071
West Virginia	1909	1,877	23,308	20,406	25,835	23,965	25,794	26,878	31,922	40,957
North Carolina	1901	15,100	25,613	28,083	39,799	25,604	26,489	29,120	56,162	74,036
South Carolina	1917	3,941	22,753	12,597	22,804	15,668	15,309	21,609	27,003	38,290
Georgia	1908	9,664	12,699	16,479	38,803	26,230	18,208	24,214	36,384	50,536
Florida	1915	2,103	9,858	11,548	39,012	33,321	37,093	35,731	50,935	75,031
E. S. Central		**16,621**	**92,737**	**55,169**	**118,474**	**92,136**	**86,918**	**99,980**	**131,199**	**179,108**
Kentucky	1912	5,757	19,497	18,806	25,716	21,229	16,486	19,603	25,892	39,643
Tennessee	1915	6,328	53,278	14,190	34,031	28,243	31,418	31,705	45,638	54,193
Alabama	1911	1,036	15,373	12,197	27,723	26,253	20,407	25,813	31,620	45,639
Mississippi	1915	3,500	4,589	9,976	31,004	16,411	18,607	22,859	28,049	39,633
W. S. Central		**34,417**	**136,738**	**80,597**	**151,120**	**136,588**	**130,336**	**128,398**	**186,749**	**283,994**
Arkansas	1913	7,520	39,821	16,102	18,278	15,802	14,642	15,112	23,836	35,326
Louisiana	1910	5,347	29,357	19,022	29,662	26,343	25,955	21,702	31,737	47,370
Oklahoma	1911	4,775	20,228	11,568	23,506	26,917	26,879	24,222	33,955	47,467
Texas	1917	16,775	47,332	33,905	79,674	67,526	62,860	67,362	97,221	153,831
Mountain		**27,463**	**47,023**	**50,088**	**73,634**	**49,322**	**50,636**	**49,616**	**92,716**	**125,285**
Montana	1913	3,640	6,378	7,633	11,741	5,251	6,405	6,682	13,340	15,652
Idaho	1905	4,863	6,637	6,105	8,039	7,664	6,120	5,674	11,965	14,196
Wyoming	1911	3,446	3,590	5,078	6,272	2,140	3,101	3,318	8,159	12,193
Colorado	1909	4,156	8,144	7,781	14,694	11,468	11,113	11,671	16,560	25,978
New Mexico	1909	3,713	9,138	7,359	13,428	6,096	7,743	8,088	16,353	19,777
Arizona	1909	2,948	5,233	5,631	8,864	6,151	6,808	6,056	11,740	17,379
Utah	1909	3,107	5,193	5,914	6,342	8,003	6,962	6,222	8,360	12,567
Nevada	1911	1,590	2,710	4,587	4,254	2,549	2,384	1,905	6,239	7,543
Pacific		**38,339**	**68,215**	**72,459**	**147,292**	**133,651**	**134,376**	**180,911**	**187,162**	**279,181**
Washington	1905	9,696	15,806	17,666	39,925	25,659	27,352	28,602	39,668	50,996
Oregon	1913	17,828	14,668	16,991	18,385	16,137	15,819	14,234	22,750	34,629
California	1895	10,815	37,741	37,802	88,982	91,855	91,205	138,075	124,744	193,556

[1] Data not available.

Source: Federal Works Agency, Public Roads Administration; Highway Statistics, 1947, and previous annual statements on State-highway finance.

No. 570.—State-Highway Funds Available, by Source, and Disbursements, by Purpose, by States: 1947

[**In thousands of dollars.** Includes receipts and disbursements of all State imposts on highway users, all other funds available to State highway departments, and State funds other than those of highway department which were reported as being applied to highway purposes. Includes transactions of a number of interstate and intrastate toll authorities that are operated by State or quasi-State agencies]

Division and State	Funds available					Disbursements				
	Total	Motor-vehicle fees, motor-fuel and motor-carrier taxes	Federal funds	Income from bonds, notes, and other loans	All other sources[1]	Total[2]	For State-administered highways			For county and local roads and streets
							Capital outlay, roads and bridges[3]	Maintenance[3]	Other[4]	
Cont. U. S.	**3,602,666**	**1,838,741**	**288,336**	**73,349**	**1,402,240**	**2,362,900**	**882,351**	**367,509**	**330,835**	**537,349**
New England	**187,088**	**93,867**	**11,276**	**15,668**	**66,277**	**129,988**	**47,211**	**28,184**	**20,642**	**23,786**
Maine	38,712	15,209	1,962	5,650	15,891	32,707	17,846	7,078	6,215	1,179
New Hampshire	12,479	7,705	785	-------	3,929	9,953	3,050	3,927	1,799	946
Vermont	12,301	6,694	1,361	-------	4,246	9,204	2,542	2,647	609	3,266
Massachusetts	60,685	31,818	4,021	-------	24,846	36,365	11,220	6,766	4,940	10,719
Rhode Island	10,563	8,778	302	-------	1,483	9,235	838	1,885	1,236	85
Connecticut	52,348	23,603	2,845	10,018	15,882	32,524	11,715	5,881	5,843	7,591
Middle Atlantic	**807,625**	**304,417**	**31,598**	**7,425**	**464,185**	**351,536**	**139,620**	**53,204**	**50,318**	**60,002**
New York	436,216	134,413	8,771	-------	293,032	162,509	54,231	17,712	20,601	29,247
New Jersey	134,984	55,666	6,407	7,425	65,486	47,469	17,193	6,312	6,037	13,325
Pennsylvania	236,425	114,338	16,420	-------	105,667	141,558	68,196	29,180	23,680	17,430
E. N. Central	**561,637**	**353,976**	**30,693**	**1,367**	**175,601**	**389,683**	**109,233**	**61,869**	**33,370**	**158,210**
Ohio	142,452	109,247	6,910	-------	26,295	116,645	22,357	22,655	8,485	52,032
Indiana	57,624	48,965	5,414	-------	3,245	50,294	19,781	7,330	3,426	16,626
Illinois	155,458	77,591	6,227	-------	71,640	88,580	21,143	8,754	17,841	36,421
Michigan	105,977	71,292	7,954	-------	26,731	87,973	30,663	15,040	1,498	37,402
Wisconsin	100,126	46,881	4,188	1,367	47,690	46,191	15,289	7,590	2,120	15,729
W. N. Central	**336,178**	**178,579**	**40,733**	**178**	**116,688**	**237,231**	**89,428**	**40,971**	**36,817**	**60,566**
Minnesota	83,125	35,211	9,581	-------	38,333	50,595	22,519	7,963	6,467	12,039
Iowa	73,152	46,064	5,416	178	21,494	54,024	11,473	4,340	11,696	25,357
Missouri	66,789	32,103	5,845	-------	28,841	37,818	15,025	10,071	11,108	593
North Dakota	16,988	8,423	2,880	-------	5,685	13,888	5,379	3,227	839	4,083
South Dakota	18,856	8,730	4,363	-------	5,763	14,304	6,649	3,868	550	2,883
Nebraska	30,084	21,156	3,328	-------	5,600	27,090	9,067	4,662	2,004	8,485
Kansas	47,184	26,892	9,320	-------	10,972	39,512	19,316	6,840	4,153	7,126
South Atlantic	**530,541**	**286,596**	**40,781**	**10,040**	**193,124**	**386,894**	**162,396**	**73,145**	**62,921**	**42,578**
Delaware	6,058	4,222	841	-------	995	6,058	[5] 2,828	[5] 1,059	1,872	[6]
Maryland	50,037	26,864	2,445	-------	20,728	31,222	8,741	4,159	5,202	12,366
Dist. of Columbia	15,058	7,532	1,570	-------	5,956	10,693	-------	-------	-------	9,883
Virginia	63,932	43,714	5,245	-------	14,973	60,071	[5] 34,401	[5] 15,495	7,840	[5] 618
West Virginia	56,044	24,306	5,250	5,020	21,468	40,957	[5] 11,770	[5] 15,277	13,525	[6]
North Carolina	132,505	57,515	7,809	-------	67,181	74,036	[5] 38,041	[5] 19,030	13,963	[6]
South Carolina	52,516	24,778	5,235	5,020	17,483	38,290	16,437	6,583	10,596	3,355
Georgia	67,408	38,685	8,459	-------	20,354	50,536	18,880	5,871	4,641	6,560
Florida	86,893	58,980	3,927	-------	23,986	75,031	31,298	5,671	5,282	9,796
E. S. Central	**244,856**	**135,339**	**22,865**	**11,791**	**74,861**	**179,108**	**64,850**	**18,175**	**28,414**	**54,400**
Kentucky	56,367	31,542	5,569	1,001	18,255	39,643	20,539	7,187	4,256	6,587
Tennessee	81,836	44,911	5,921	736	30,268	54,193	16,335	3,704	11,370	13,595
Alabama	55,001	34,891	6,110	-------	14,000	45,639	11,250	4,172	5,823	22,165
Mississippi	51,652	23,995	5,265	10,054	12,338	39,633	16,726	3,112	6,965	12,053
W. S. Central	**408,066**	**204,086**	**42,894**	**19,241**	**141,845**	**283,994**	**111,108**	**44,366**	**43,504**	**44,267**
Arkansas	50,243	24,054	5,322	-------	20,867	35,326	13,020	5,806	10,506	5,387
Louisiana	89,794	33,181	3,111	19,172	34,330	47,370	11,380	13,579	12,790	5,438
Oklahoma	72,014	36,916	6,962	-------	28,136	47,467	15,665	6,422	3,053	14,122
Texas	196,015	109,935	27,499	69	58,512	153,831	71,043	18,559	17,155	19,320
Mountain	**151,065**	**81,527**	**31,254**	**4,019**	**34,265**	**125,285**	**60,906**	**20,770**	**18,062**	**20,820**
Montana	17,359	9,426	4,086	-------	3,847	15,652	7,004	4,733	1,985	1,637
Idaho	15,791	10,770	3,544	-------	1,477	14,196	5,623	3,098	846	4,453
Wyoming	16,761	5,906	4,426	-------	6,429	12,193	7,651	1,760	1,168	1,478
Colorado	33,800	21,254	3,186	-------	9,360	25,978	11,244	2,153	4,271	7,131
New Mexico	20,154	10,973	4,398	4,019	764	19,777	10,029	3,038	4,707	441
Arizona	24,007	11,395	4,657	-------	7,955	17,379	9,193	2,004	1,535	4,053
Utah	14,363	8,297	3,682	-------	2,384	12,567	5,843	2,763	2,383	1,032
Nevada	8,830	3,506	3,275	-------	2,049	7,543	4,319	1,221	1,167	595
Pacific	**375,610**	**200,354**	**36,242**	**3,620**	**135,394**	**279,181**	**97,599**	**26,825**	**36,787**	**72,720**
Washington	67,048	34,507	4,761	3,620	24,160	50,996	15,242	6,137	7,417	20,758
Oregon	53,581	28,492	6,772	-------	18,317	34,629	13,904	7,127	4,889	7,022
California	254,981	137,355	24,709	-------	92,917	193,556	68,453	13,561	24,481	44,940

[1] Balances from 1946, totaling $1,300,366,000; and miscellaneous revenues, totaling $101,874,000.
[2] Includes disbursements not shown separately and not elsewhere included: For collection and administration of highway-user revenues, $74,338,000; for nonhighway purposes, $170,518,000.
[3] Includes some administrative, equipment, and miscellaneous disbursements.
[4] Disbursements for interest; retirement of debt; local debt assumed; highway police; and those for administration, engineering, equipment, and miscellaneous purposes not charged to construction and maintenance.
[5] Expenditures on county roads under State control included with those for State-administered highways.
[6] Not available.

Source: Federal Works Agency, Public Roads Administration; Highway Statistics, 1947.

No. 571.—Federal Highway Projects, by States: Status as of June 30, 1948

[All figures except mileage data in thousands of dollars. Data include projects financed with Federal-aid and emergency funds]

STATE OR OTHER AREA	COMPLETED DURING FISCAL YEAR			UNDER CONSTRUCTION			APPROVED—NOT UNDER CONSTRUCTION			Federal aid funds available for future projects
	Total cost	Federal funds	Miles	Total cost	Federal funds	Miles	Total cost	Federal funds	Miles	
Total	**565,125**	**295,980**	**17,858.7**	**935,708**	**488,022**	**16,741.1**	**440,714**	**216,184**	**7,467.8**	[1] **195,889**
Alabama	15,505	7,142	513.4	10,386	5,090	334.4	5,705	3,426	90.6	7,951
Arizona	8,382	5,675	165.0	6,621	4,455	77.3	1,690	959	13.8	1,484
Arkansas	9,289	4,640	374.2	15,367	8,538	319.6	7,507	3,573	99.7	1,511
California	51,241	25,939	402.9	62,819	33,105	319.2	8,753	4,229	100.0	1,089
Colorado	10,177	6,077	273.9	13,283	7,738	254.4	7,149	4,261	88.1	2,681
Connecticut	4,309	2,181	22.0	6,640	3,138	27.7	3,830	1,995	6.5	1,077
Delaware	1,605	931	45.4	2,796	1,443	48.1	2,531	1,325	25.2	2,024
District of Columbia	2,150	1,172	6.5	12,692	6,175	4.0	1,814	837	.1	52
Florida	9,378	4,761	207.0	12,334	5,329	260.6	3,140	1,497	25.2	2,016
Georgia	12,902	6,705	439.9	31,042	16,196	838.6	16,114	7,160	255.3	[2] 2,076
Idaho	6,053	3,641	181.4	4,775	3,066	128.0	2,997	1,996	72.3	4,922
Illinois	10,723	5,386	215.8	35,502	18,507	598.0	27,818	12,623	251.8	12,125
Indiana	10,221	5,356	97.8	22,706	11,722	172.2	9,664	5,269	72.3	6,875
Iowa	13,511	6,785	707.0	23,311	11,555	813.4	12,123	5,331	395.8	3,983
Kansas	19,859	10,105	1,439.9	26,853	13,726	1,132.3	9,309	4,252	779.1	2,598
Kentucky	13,546	6,833	356.8	14,662	7,443	235.2	5,350	2,637	35.0	1,330
Louisiana	2,091	1,028	40.4	16,996	8,821	144.2	7,248	3,358	74.6	6,603
Maine	5,303	2,897	89.6	7,194	3,845	54.0	1,593	799	18.2	2,636
Maryland	4,663	2,566	75.1	9,785	5,717	72.4	6,968	3,392	20.7	544
Massachusetts	7,422	4,385	34.2	14,536	7,472	49.4	9,471	5,318	9.0	15,418
Michigan	20,601	10,079	405.9	36,517	17,151	269.8	18,786	8,399	243.3	3,668
Minnesota	23,408	11,450	1,414.5	26,324	12,980	853.5	9,137	4,008	362.3	376
Mississippi	11,430	5,788	378.9	23,507	11,698	662.7	5,739	2,822	178.0	2,656
Missouri	11,956	6,208	591.1	25,674	14,128	605.4	13,024	6,139	231.0	3,689
Montana	7,618	4,816	297.9	10,904	6,659	410.9	5,114	3,113	109.5	6,486
Nebraska	8,299	4,179	458.2	13,483	6,744	643.4	6,929	3,540	197.4	3,672
Nevada	5,349	4,303	232.9	4,421	3,495	148.8	1,116	791	71.6	1,057
New Hampshire	976	619	9.2	5,551	2,956	27.5	1,630	1,038	5.8	1,450
New Jersey	14,039	6,914	20.5	25,453	13,310	25.6	6,322	3,146	23.4	1,388
New Mexico	6,553	4,239	239.6	7,143	4,563	178.6	2,483	1,626	44.6	1,526
New York	12,996	7,292	110.7	40,537	18,187	228.4	59,809	27,454	194.9	30,833
North Carolina	14,109	7,176	405.3	28,851	14,298	678.9	6,575	2,776	149.9	3,666
North Dakota	5,501	3,031	407.4	11,024	6,090	590.5	6,486	3,624	524.5	3,021
Ohio	11,102	5,136	153.4	42,554	21,803	151.5	6,818	3,657	71.8	5,680
Oklahoma	16,381	8,580	749.1	6,718	3,475	360.4	8,073	3,959	309.1	6,043
Oregon	10,148	5,927	198.2	14,534	7,629	334.4	2,544	1,210	33.3	418
Pennsylvania	27,607	13,853	154.9	58,534	30,449	255.1	30,087	15,581	61.9	2,850
Rhode Island	980	487	3.7	3,883	1,898	14.4	6,461	3,236	10.2	3,211
South Carolina	12,287	6,022	452.2	11,877	5,871	300.1	3,239	1,771	101.7	1,739
South Dakota	7,054	4,607	512.4	10,970	6,437	708.3	6,307	3,812	460.1	3,400
Tennessee	12,516	6,360	336.5	19,998	11,818	330.5	14,583	7,387	137.8	1,984
Texas	53,120	26,878	2,944.4	58,487	30,998	1,493.3	28,306	14,041	840.7	2,911
Utah	5,491	3,980	188.2	5,095	3,750	193.5	1,185	876	44.9	1,300
Vermont	1,683	906	31.0	4,769	2,387	60.5	1,610	800	20.5	635
Virginia	9,376	4,752	327.3	19,940	12,098	159.6	6,615	2,917	141.3	7,832
Washington	9,237	4,766	225.7	12,074	6,314	174.9	4,488	2,243	51.0	1,551
West Virginia	5,770	2,884	88.2	8,401	4,366	93.9	2,308	1,201	43.0	2,805
Wisconsin	11,709	4,535	474.9	27,166	11,574	572.8	14,809	6,369	230.6	6,107
Wyoming	7,862	5,238	340.8	8,844	5,787	268.2	2,283	1,486	122.1	361
Alaska	125	105	.9							
Hawaii	1,333	562	13.8	4,439	3,114	23.8	3,803	1,651	4.6	977
Puerto Rico	231	103	2.8	7,726	2,814	39.8	3,271	1,177	13.7	1,953

[1] Includes $197,000 of Works Program grade-crossing funds apportioned to Georgia and $1,650,000 of Defense Access funds not apportioned to States.
[2] Includes $197,000 of Works Program grade-crossing funds.

Source: Federal Works Agency, Public Roads Administration; June 30 statements on status of Federal highway projects and balances of funds apportioned to all States for programmed projects.

No. 572.—Motor Vehicles—Factory Sales and Registrations: 1900 to 1947

[For 1921 and subsequent years includes data for motor vehicles assembled in foreign countries from parts made in United States. Excludes motorcycles. See also *Historical Statistics*, series K 225–232]

Year	Factory sales: Number (in thousands)			Factory sales: Wholesale value [2] (thousands of dollars)			Registrations (in thousands)		
	Total	Passenger cars	Motor trucks [1]	Total	Passenger cars	Motor trucks [1]	Total (excl. publicly owned)	Passenger cars, and taxis [3]	Motor trucks and busses [3]
1900	4	4		4,899	4,899		8	8	
1905	25	24	1	40,000	38,670	1,330	79	77	1
1910	187	181	6	225,000	215,340	9,660	469	458	10
1915	970	896	74	701,778	575,978	125,800	2,491	2,332	159
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,239	8,132	1,108
1921	1,616	1,468	148	1,204,262	1,038,191	166,071	10,494	9,212	1,282
1922	2,544	2,274	270	1,720,564	1,494,514	226,050	12,274	10,704	1,570
1923	4,034	3,625	409	2,504,810	2,196,272	308,538	15,102	13,253	1,849
1924	3,603	3,186	417	2,288,677	1,970,097	318,581	17,613	15,436	2,177
1925	4,266	3,735	531	2,916,770	2,458,370	458,400	19,941	17,440	2,501
1926	4,301	3,784	517	3,092,188	2,640,065	452,123	22,053	19,221	2,832
1927	3,401	2,937	465	2,584,802	2,164,671	420,131	23,140	20,142	2,997
1928	4,359	3,815	543	3,013,622	2,576,490	437,132	24,512	21,308	3,204
1929	5,358	4,587	771	3,413,148	2,847,119	566,030	26,503	23,060	3,442
1930	3,356	2,785	571	2,034,835	1,645,399	389,437	26,532	22,973	3,559
1931	2,390	1,973	417	1,373,691	1,111,274	262,418	25,862	22,330	3,532
1932	1,371	1,135	235	754,485	618,291	136,193	24,133	20,832	3,300
1933	1,920	1,574	347	948,806	762,737	186,069	23,877	20,586	3,290
1934	2,753	2,178	575	1,467,260	1,147,116	320,144	24,954	21,472	3,482
1935	3,947	3,252	695	2,088,834	1,709,426	379,408	26,230	22,495	3,735
1936	4,454	3,670	785	2,478,467	2,015,646	462,820	28,172	24,108	4,064
1937	4,809	3,916	893	2,778,227	2,243,732	534,495	29,706	25,391	4,315
1938	2,489	2,001	488	1,570,950	1,236,802	334,148	29,443	25,167	4,276
1939	3,577	2,867	710	2,260,018	1,765,189	494,829	30,615	26,140	4,476
1940	4,472	3,717	755	2,938,474	2,370,654	567,820	32,035	27,372	4,663
1941	4,841	3,780	1,061	3,637,006	2,567,206	1,069,800	34,472	29,524	4,948
1942	1,042	223	819	1,591,270	163,814	1,427,457	32,579	27,869	4,710
1943	700	[4]	700	1,451,896	102	1,451,794	30,500	25,913	4,587
1944	738	1	738	1,701,376	447	1,700,929	30,086	25,466	4,620
1945	725	70	656	1,239,210	57,255	1,181,956	30,638	25,691	4,947
1946	3,090	2,149	941	3,023,028	1,979,781	1,043,247	33,946	28,100	5,846
1947	4,798	3,558	1,240	5,672,518	3,963,896	1,708,622	37,360	30,719	6,642

[1] Includes busses. A substantial part of the trucks and busses reported comprises chassis without body; hence value of bodies for these chassis not included. Includes military trucks; total sales for the period Sept. 1, 1939, through 1946, amounted to 2,575,000, valued at $5,257,588,000. Production for the period Jan. 1, 1940, through 1946 was 2,601,000.

[2] Beginning 1937, represents standard equipment.

[3] Prior to 1925, busses included with passenger cars.

[4] Less than 500.

Sources: Factory sales—Automobile Manufacturers Association, Detroit, Mich.; Automobile Facts and Figures. Registrations—Federal Works Agency, Public Roads Administration; Highway Statistics, Summary to 1945 and subsequent annual reports.

No. 573.—Motor Fuel Consumption: 1939 to 1947

[**In millions of gallons.** Excludes exports and Federal purchases for military use. Data obtained chiefly from reports of State authorities. See also *Historical Statistics*, series K 233–235 for data on total highway and nonhighway usage]

Use	1939	1940	1941	1942	1943	1944	1945	1946	1947
Total consumption	**22,916**	**24,404**	**26,720**	**22,692**	**18,871**	**19,524**	**22,304**	**29,201**	**32,036**
Total usage	22,572	24,039	26,429	22,439	18,643	19,292	22,047	28,877	31,681
Highway	20,714	22,001	24,192	19,940	16,004	16,430	19,149	25,649	28,216
Nonhighway	1,857	2,037	2,237	2,499	2,639	2,862	2,898	3,228	3,465
Private and commercial use, total	21,912	23,324	25,713	21,831	18,196	18,837	21,576	28,382	31,030
Highway	20,171	21,418	23,638	19,473	15,668	16,090	18,798	25,269	27,714
Nonhighway	1,741	1,906	2,075	2,358	2,528	2,748	2,778	3,113	3,315
Public use, total	660	714	717	608	447	455	471	495	651
Federal	230	263	120	101	42	42	43	44	58
Highway	168	193	120	101	42	42	43	44	58
Nonhighway	63	70							
State, county, and municipal	430	452	597	507	405	412	428	450	593
Highway	376	391	435	366	294	298	308	336	443
Nonhighway	53	61	162	141	111	115	120	115	149
Losses allowed for evaporation, handling, etc	345	366	291	254	229	232	257	325	355

Source: Federal Works Agency, Public Roads Administration; Highway Statistics, Summary to 1945; and subsequent annual reports.

No. 574.—Motor Trucks and Truck Tractors—Production: 1936 to 1945

[Data cover production of trucks for military and civilian use. Jeeps, military ambulances, and wheel-drive personnel carriers are included; half-tracks and armored cars are excluded. Military classification includes those procured by Army, Navy, Aircraft Resources Control Office, Canada, and Treasury for military use; civilian classification includes those produced for civilian use under W. P. B. Limitation Orders. Data have been converted from "rated tonnage capacity" to "gross vehicle weight"]

YEAR	TOTAL	MILITARY	CIVILIAN	TOTAL	MILITARY	CIVILIAN
	All sizes			Light (under 9,000 lbs. gross vehicle weight)		
1936	773,342	2,725	770,617	318,193	1,004	317,189
1937	875,038	1,703	873,335	397,882	368	397,514
1938	483,560	2,248	481,312	212,253	690	211,563
1939	693,023	6,188	686,835	309,229	1,651	307,578
1940	758,565	55,389	703,176	354,403	13,365	341,038
1941	1,042,085	218,880	823,205	439,631	72,164	367,467
1942	796,927	671,633	125,294	300,840	277,413	23,427
1943	675,502	672,614	2,888	268,438	268,438	----------
1944	743,402	624,669	118,733	247,113	247,113	----------
1945	668,578	354,935	313,643	204,771	132,574	72,197
	Medium (9,000–15,000 lbs. gross vehicle weight)			Heavy (16,000 lbs. and over gross vehicle weight)		
1936	418,278	1,125	417,153	36,871	596	36,275
1937	438,496	1,266	437,230	38,660	69	38,591
1938	249,741	1,119	248,622	21,566	439	21,127
1939	345,890	2,900	342,990	37,904	1,637	36,267
1940	358,915	36,042	322,873	45,247	5,982	39,265
1941	519,714	119,530	400,184	82,740	27,186	55,554
1942	255,260	169,188	86,072	240,827	225,032	15,795
1943	154,987	154,808	179	252,077	249,368	2,709
1944	175,368	87,380	87,988	320,921	290,176	30,745
1945	208,180	24,232	183,948	255,627	198,129	57,498

Source: War Production Board, 1944 and earlier data; published in Facts For Industry series. 1945 figures from Civilian Production Administration; press release, Feb. 11, 1946.

No. 575.—Motor Truck Trailers—Production: 1939 to 1948

YEAR	TRAILERS		YEAR	TRAILERS	
	Civilian [1]	Military [2]		Civilian [1]	Military [2]
1939	24,182	----------	1944	24,085	185,349
1940	27,118	----------	1945	34,295	[3] 85,967
1941	41,869	----------	1946	76,234	----------
1942	8,408	71,520	1947	53,096	----------
1943	8,054	188,811	1948	44,443	----------

[1] Civilian-type truck trailers with a rated capacity of 5 gross tons or more, except those produced on direct military contract. Excludes trailers of less than 5 gross tons capacity or trailer bodies produced for mounting on purchased chassis.

[2] All types procured by the Army, Navy, or other agencies for military purposes, including civilian type trailers produced on direct military contract.

[3] First 6 months of 1945 only.

Source: War Production Board prior to September 1945; published in Facts for Industry series. Later data, Department of Commerce, Bureau of the Census; Facts for Industry Series M45F.

No. 576.—Motor-Vehicle Registrations (Combined Figures for Passenger Cars, Busses, and Motor Trucks), by States, 1915 to 1947

[Excludes publicly owned vehicles. For uniformity, figures have been adjusted to a calendar year basis as registration years in States differ. Figures represent net numbers where possible, excluding reregistrations and nonresident registrations]

[In thousands]

DIVISION AND STATE	1915	1920	1925	1930	1935	1940	1945	1946	1947
Continental U. S.	2,491	9,239	19,941	26,532	26,230	32,035	30,638	33,946	37,360
New England	206	573	1,281	1,699	1,682	2,020	1,967	2,187	2,333
Maine	22	63	140	186	181	206	207	230	240
New Hampshire	13	35	81	112	117	135	128	142	150
Vermont	11	32	70	87	82	94	90	102	107
Massachusetts	103	274	637	846	786	904	859	970	1,038
Rhode Island	16	50	102	137	149	187	178	194	208
Connecticut	41	119	251	331	367	494	505	550	590
Middle Atlantic	497	1,474	3,537	4,921	4,964	5,976	5,311	5,951	6,477
New York	255	676	1,626	2,308	2,331	2,743	2,330	2,642	2,889
New Jersey	82	228	581	853	888	1,087	1,020	1,125	1,221
Pennsylvania	160	570	1,330	1,760	1,745	2,146	1,961	2,184	2,367
East North Central	667	2,229	4,917	6,383	6,085	7,298	6,884	7,497	8,197
Ohio	181	621	1,346	1,759	1,715	1,919	1,905	2,087	2,239
Indiana	97	333	725	875	851	1,000	984	1,067	1,151
Illinois	181	569	1,263	1,638	1,526	1.926	1,721	1,856	2,030
Michigan	115	413	989	1,328	1,239	1,552	1,454	1,579	1,800
Wisconsin	93	293	594	783	754	901	820	908	977
West North Central	500	1,782	2,942	3,682	3,494	3,960	3,663	3,981	4,327
Minnesota	93	324	570	733	727	871	750	808	875
Iowa	145	437	659	778	699	794	693	741	817
Missouri	76	297	604	762	766	922	854	965	1,039
North Dakota	25	91	145	183	164	182	181	193	213
South Dakota	29	120	168	205	179	196	179	193	219
Nebraska	59	219	339	426	406	412	406	436	467
Kansas	73	294	457	595	553	583	600	645	697
South Atlantic	161	806	1,920	2,518	2,657	3,408	3,453	3,923	4,383
Delaware	5	18	40	56	57	72	68	73	80
Maryland	31	103	234	322	346	444	459	525	540
District of Columbia	19	34	103	157	171	162	111	127	156
Virginia	21	115	283	376	386	500	548	627	701
West Virginia	13	81	218	266	248	303	284	324	349
North Carolina	21	141	340	453	463	592	606	680	766
South Carolina	15	94	168	218	236	337	336	394	450
Georgia	25	146	248	342	394	503	523	576	649
Florida	11	74	286	328	356	495	518	597	693
East South Central	68	358	879	1,215	1,129	1,513	1,517	1,765	1,987
Kentucky	20	113	262	331	346	464	435	489	550
Tennessee	26	102	245	368	352	450	460	527	601
Alabama	12	75	195	279	245	340	359	430	484
Mississippi	10	68	177	237	186	259	263	319	352
West South Central	84	773	1,794	2,411	2,360	2,891	2,767	3,097	3,454
Arkansas	8	59	184	220	207	257	275	319	353
Louisiana	11	73	207	275	269	365	404	423	467
Oklahoma	25	213	424	550	502	575	505	560	611
Texas	40	428	979	1,366	1,382	1,694	1,583	1,795	2,024
Mountain	81	371	677	964	959	1,239	1,193	1,339	1,491
Montana	15	61	95	135	150	191	157	175	193
Idaho	7	51	82	119	118	163	151	170	191
Wyoming	4	24	48	62	70	86	82	91	100
Colorado	29	129	240	309	285	352	342	388	423
New Mexico	7	18	49	84	92	125	118	134	155
Arizona	8	35	68	111	103	138	143	160	186
Utah	9	43	74	114	106	140	154	171	185
Nevada	2	10	21	30	35	44	46	50	57
Pacific	227	873	1,994	2,739	2,900	3,730	3,883	4,206	4,713
Washington	39	174	329	446	454	562	614	645	712
Oregon	24	115	217	252	294	394	414	461	523
California	164	584	1,448	2,041	2,152	2,774	2,855	3,100	3,479

Source: Federal Works Agency, Public Roads Administration; Highway Statistics, Summary to 1945; and subsequent annual reports.

No. 577.—Motor-Vehicle Registrations and Revenues, by States: 1947

Division and state	Number of motor cars: Total	Registered vehicles, private and commercial: Passenger cars and taxis	Registered vehicles, private and commercial: Trucks and busses	Publicly owned vehicles, Federal, State, county, etc.[1]	Trailers, registered (including official)[2]	Motorcycles, registered (including official)	Receipts from motor-vehicle administration: Total receipts[3]	Receipts from motor-vehicle administration: Registration, motor cars
							Thousands of dollars	
Continental U. S.	37,841,498	30,718,852	6,641,611	481,035	2,186,516	434,741	611,650	485,304
New England	2,358,129	1,961,138	371,918	25,073	94,793	17,264	33,735	24,163
Maine	243,953	180,516	[4] 59,914	3,523	[4] 16,119	2,790	5,103	4,119
New Hampshire	153,294	114,608	35,663	3,023	8,633	1,710	3,517	[5] 2,926
Vermont	108,333	[6] 92,599	[6] 14,870	864	4,883	889	3,177	2,657
Massachusetts	1,047,319	889,530	148,113	9,676	43,647	5,869	8,841	5,322
Rhode Island	209,461	178,608	28,984	1,869	3,271	1,793	3,748	3,018
Connecticut	595,769	505,277	84,374	6,118	18,190	4,213	9,349	6,121
Middle Atlantic	6,550,235	5,495,142	981,387	73,706	197,716	58,014	131,277	106,079
New York	2,923,408	2,481,478	407,731	34,199	99,305	21,632	59,006	52,908
New Jersey	1,233,946	1,028,389	192,245	13,312	22,802	10,494	28,665	19,038
Pennsylvania	2,392,881	1,985,275	381,411	26,195	75,609	25,888	43,606	34,133
East North Central	8,285,149	7,053,889	1,142,986	88,274	595,102	102,877	134,068	113,889
Ohio	2,263,840	1,965,307	273,895	24,638	190,267	31,238	40,181	32,155
Indiana	1,160,392	950,072	201,085	9,235	124,740	20,958	13,046	10,431
Illinois	2,045,833	1,748,482	281,519	15,832	51,664	22,503	30,131	27,524
Michigan	1,824,958	[7] 1,597,137	[7] 202,441	25,380	216,731	19,475	31,220	25,633
Wisconsin	990,126	792,891	184,046	13,189	11,700	8,703	19,490	18,146
West North Central	4,369,726	3,455,458	871,796	42,472	400,771	42,607	56,058	48,143
Minnesota	883,865	724,207	150,835	8,823	103,224	9,270	11,823	10,395
Iowa	825,361	677,829	138,956	8,576	122,778	9,015	15,182	14,247
Missouri	1,046,689	829,151	209,998	7,540	72,925	8,375	13,689	11,768
North Dakota	215,191	152,208	[8] 61,100	1,883	[8] 1,445	1,142	2,595	1,881
South Dakota	221,745	167,991	50,915	2,839	31,171	2,019	1,767	1,585
Nebraska	471,923	369,975	96,872	5,076	55,293	5,031	5,098	3,511
Kansas	704,952	534,097	163,120	7,735	13,935	7,755	5,904	4,756
South Atlantic	4,451,481	3,506,020	876,861	68,600	217,011	65,208	73,030	55,258
Delaware	80,690	62,711	16,791	1,188	3,453	701	1,493	1,081
Maryland	544,510	445,041	94,556	4,913	12,431	6,774	10,442	6,595
District of Columbia	159,726	138,022	18,111	[9] 3,593	1,524	867	1,993	1,357
Virginia	711,453	564,676	136,015	10,762	29,770	13,168	9,758	7,974
West Virginia	354,628	270,961	78,338	5,329	8,590	3,793	10,263	6,787
North Carolina	781,502	615,574	150,660	15,268	70,286	11,739	14,208	12,415
South Carolina	456,967	356,416	93,403	7,148	10,359	7,435	3,708	2,972
Georgia	658,306	499,600	148,935	9,771	25,975	7,490	4,513	2,815
Florida	703,699	553,019	140,052	10,628	54,623	13,241	16,652	13,262
East South Central	2,017,331	1,502,974	483,710	30,647	28,177	24,231	32,596	24,328
Kentucky	556,572	428,423	121,274	6,875	[10] 19	5,492	9,343	[5] 4,759
Tennessee	609,578	476,056	124,826	8,696	[10] 104	7,992	9,964	[5] 8,239
Alabama	492,079	359,403	124,587	8,089	8,296	8,474	8,544	6,909
Mississippi	359,102	239,092	113,023	6,987	19,758	2,273	4,745	4,361
West South Central	3,501,000	2,649,739	804,352	46,909	160,774	39,709	65,273	46,978
Arkansas	357,734	241,120	111,738	4,876	23,767	3,143	5,559	4,709
Louisiana	470,315	357,288	109,368	3,659	29,239	6,038	5,837	3,890
Oklahoma	620,572	465,686	145,390	9,496	11,187	6,117	10,900	7,943
Texas	2,052,379	1,585,645	437,856	28,878	96,581	24,411	42,977	30,436
Mountain	1,522,320	1,120,762	369,747	31,811	81,358	16,285	17,061	12,765
Montana	198,481	131,468	61,915	5,098	5,652	1,171	2,095	1,568
Idaho	195,389	[7] 140,006	[7] 51,359	4,024	28,365	2,702	2,133	1,616
Wyoming	102,258	73,357	26,256	2,645	11,880	788	1,144	781
Colorado	429,594	326,970	95,955	6,669	7,451	4,270	3,960	2,770
New Mexico	158,388	113,052	42,435	2,901	5,411	1,625	2,834	2,261
Arizona	190,919	142,945	43,099	4,875	10,827	2,763	2,366	1,577
Utah	188,548	148,517	36,223	3,808	1,412	1,468	1,965	[5] 1,781
Nevada	58,743	44,447	12,505	1,791	4,360	1,498	564	411
Pacific	4,786,127	3,973,730	738,854	73,543	410,814	68,546	68,552	53,701
Washington	727,124	576,655	134,929	15,540	58,044	7,384	7,901	4,426
Oregon	531,875	405,015	[11] 117,485	9,375	[11] 30	6,023	6,079	[5] 5,070
California	3,527,128	2,992,060	486,440	48,628	352,740	55,139	54,572	44,205

[1] Does not include vehicles owned by War and Navy Departments and Maritime Commission.
[2] As reported. State registration requirements differ widely.
[3] Includes registration fees, certificates of title, transfer or registration fees, permits, fines, etc.; excludes motor-fuel and motor-carrier taxes; for Washington, excludes $4,563,597 vehicle excise tax.
[4] Commercial full trailers included with trucks.
[5] Includes fees for registration of trailers. For Kentucky and Tennessee, heavy semitrailers included with truck tractors as one unit.
[6] Data for trucks under 1,500 pounds capacity included with passenger cars, etc.
[7] Data for taxicabs included with trucks.
[8] Commercial trailers and semitrailers included with trucks as part of a truck-trailer-combination.
[9] Includes 1,113 automobiles of the diplomatic corps.
[10] Represents publicly-owned only. Other not registered.
[11] Private and commercial trailers included with trucks.

Source: Federal Works Agency, Public Roads Administration; Highway Statistics, 1947.

No. 578.—Commercial Motor Vehicles, by Vehicle Type, by States—Number as of Dec. 31, 1941

[The Nation-wide Truck and Bus Inventory covers 97.4 percent of all bus registrations and 92.4 percent of registrations of other commercial vehicles. Busses are defined as passenger-carrying vehicles of 9 persons or more. Excludes station wagons, sedan deliveries, fire engines, ambulances, hearses, small trailers of less than 3,000-pound capacity such as are pulled behind passenger cars, and converted passenger cars]

State of garaged address	Busses	Trucks	Truck-tractors	Semi-trailers	Trailers
Total	**128,483**	**3,711,137**	**121,256**	**138,816**	**30,417**
Alabama	3,245	41,769	790	559	29
Arizona	416	18,743	552	642	385
Arkansas	1,562	53,877	3,893	3,957	49
California	4,464	284,604	8,348	9,748	10,391
Colorado	1,024	51,033	1,033	1,222	154
Connecticut	1,415	50,511	694	892	146
Delaware	344	9,957	375	391	50
District of Columbia	1,149	14,106	280	297	176
Florida	1,991	62,314	2,244	2,883	847
Georgia	3,145	62,596	2,121	2,597	289
Idaho	587	25,236	214	494	383
Illinois	3,251	208,191	9,225	8,153	1,040
Indiana	7,161	94,472	5,231	5,303	276
Iowa	2,386	86,501	1,622	1,861	170
Kansas	894	92,339	1,585	2,673	496
Kentucky	2,225	56,286	552	584	54
Louisiana	3,183	52,751	4,085	4,453	324
Maine	766	37,096	308	421	101
Maryland	1,509	44,104	1,721	1,700	256
Massachusetts	3,290	91,562	2,733	3,429	195
Michigan	4,994	116,736	4,168	4,337	2,068
Minnesota	2,309	106,139	2,338	3,180	399
Mississippi	3,745	36,478	970	914	57
Missouri	3,597	121,573	5,567	6,980	432
Montana	860	43,716	387	417	224
Nebraska	528	57,351	1,807	1,990	107
Nevada	105	8,097	66	94	56
New Hampshire	404	17,503	252	306	16
New Jersey	5,470	104,907	3,620	3,733	243
New Mexico	923	19,753	667	785	38
New York	10,188	292,932	7,408	8,571	1,108
North Carolina	6,468	74,633	4,216	4,271	118
North Dakota	141	34,258	277	238	8
Ohio	9,310	191,006	10,614	12,258	3,170
Oklahoma	3,160	71,173	2,269	2,987	355
Oregon	1,203	60,813	3,986	4,568	1,010
Pennsylvania	6,793	223,795	6,484	7,012	1,096
Rhode Island	429	19,984	398	369	112
South Carolina	1,816	35,549	1,669	2,381	287
South Dakota	349	27,797	399	396	51
Tennessee	2,672	64,584	1,325	1,385	29
Texas	8,087	199,987	6,535	9,283	1,280
Utah	701	18,366	175	264	129
Vermont	181	15,421	201	220	41
Virginia	3,721	70,381	2,798	2,821	293
Washington	2,883	82,115	1,122	1,932	1,373
West Virginia	1,353	43,190	608	818	37
Wisconsin	1,726	100,364	2,874	3,445	382
Wyoming	360	14,488	450	602	87

Source: Federal Works Agency, Public Roads Administration; Nation-wide Truck and Bus Inventory (Memo. No. 60).

No. 579.—Commercial Vehicles, by Vehicle Type, Ownership, Kind of Trucking, Kind of Business, Manufacturer's Rated Capacity, Body Type, Fuel Type—Number as of Dec. 31, 1941, With Annual Average Mileage for Trucks and Truck-Tractors

[See headnote, table 578]

ITEM	TRUCKS		TRUCK-TRACTORS		SEMI-TRAILERS	TRAILERS
	Number	Annual average mileage	Number	Annual average mileage	Number	Number
Vehicles, total	**3,711,137**	**10,013**	**121,256**	**30,500**	**138,816**	**30,417**
Ownership:						
Private fleets	1,472,876	11,800	108,044	31,400	126,550	25,558
Private nonfleets	2,099,147	8,800	12,085	24,500	10,617	2,421
Public	139,114	11,100	1,127	10,900	1,649	2,438
Kind of trucking:						
Private—Not for hire	2,935,607	9,400	49,269	25,100	61,832	17,911
Private—For hire	636,416	12,500	70,860	34,400	75,335	10,068
Not reported	19,140	10,700	892	22,600	1,164	216
Common carrier	195,230	14,700	45,996	36,900	49,441	5,570
Intrastate	128,425	(1)	8,935	(1)	8,553	2,401
Interstate	23,135	(1)	12,957	(1)	12,612	958
Intrastate and interstate	43,670	(1)	24,104	(1)	28,276	2,211
Contract carrier	63,831	15,500	16,197	35,000	16,298	2,306
Intrastate	45,558	(1)	6,021	(1)	6,038	1,433
Interstate	7,280	(1)	3,577	(1)	3,154	219
Intrastate and interstate	10,993	(1)	6,599	(1)	7,106	654
Local haul	358,215	10,800	7,775	17,980	8,432	1,976
Business:						
Agriculture	1,162,174	7,800	5,901	19,300	6,210	5,499
Forestry and fishing	4,317	10,200	52	31,200	61	7
Mining	38,634	11,100	1,199	19,100	2,841	941
Contract construction	237,347	8,600	2,346	14,300	2,845	1,510
Manufacturing	368,300	12,700	21,898	26,000	25,003	4,264
Public utilities	116,319	8,500	3,120	21,100	7,249	2,124
Retail and wholesale trade	881,300	11,300	21,519	30,400	23,608	3,601
Finance, insurance, etc	3,939	5,600	21	8,500	10	8
Service industries	285,534	8,800	1,595	13,400	1,528	418
Government	15,750	11,800	42	14,000	34	19
Miscellaneous	458,319	12,900	62,436	35,300	67,778	9,588
Manufacturer's rated capacity (tons):						
Trucks, truck-tractors / *Trailers and semitrailers*						
Less than 1 / 1½–1¾	1,578,526	9,200	753	14,600	12,983	3,876
1–1¼ / 2–2¾	257,595	8,200	648	18,300	9,391	2,850
1½ / 3	1,376,228	10,800	52,761	27,100	17,274	2,028
1¾–2¾ / 3½–4½	167,514	11,800	22,432	33,500	7,125	1,555
3–4½ / 5–6½	92,840	12,700	20,171	36,400	16,507	3,177
5–6½ / 7–9½	40,870	13,100	7,111	33,100	14,496	1,704
7–9½ / 10–14½	16,253	13,978	2,459	32,400	24,806	3,566
10–22½ / 15–22½	8,363	18,700	4,533	31,900	4,949	916
Not reported / Not reported	172,948	9,400	10,388	27,700	31,285	10,745
Body type:						
Pick-up	1,263,464	8,600	----------	----------	----------	----------
Panel	566,910	11,200	----------	----------	----------	----------
Stake or platform	887,590	9,800	----------	----------	36,825	13,189
Dump	303,794	11,300	----------	----------	2,069	659
Cargo	128,688	10,600	----------	----------	15,505	1,247
Van	109,512	14,500	----------	----------	40,506	2,421
Rack	111,323	10,500	----------	----------	2,589	1,410
Express or screen	54,052	8,900	----------	----------	379	63
Tanks [2]	97,005	11,600	----------	----------	5,829	2,283
Special and other [2]	133,845	----------	----------	----------	28,129	5,351
Not reported	54,954	11,200	----------	----------	6,985	3,794
Refrigerated [2]	27,102	16,100	----------	----------	4,634	348
Fuel types: [2]						
Gasoline	3,700,997	----------	116,942	----------	----------	----------
Diesel	4,050	----------	3,212	----------	----------	----------
Butane	3,138	----------	1,084	----------	----------	----------
Electric (battery)	2,952	----------	18	----------	----------	----------

[1] Data not yet available.

[2] Preliminary data.

Source: Federal Works Agency, Public Roads Administration; Nation-wide Truck and Bus Inventory (Memo No. 60).

No. 580.—Busses, by Type of Passenger Service, Seating Capacity, Mileage Driven Last Calendar Year, Year Model, Special Fuel Types, Garaged Address and Registrations—Number as of Dec. 31, 1941

[See headnote, table 578]

Item	Type of passenger service							
	All types		Local and intercity		School		Other	
	Number	Percent [1]	Number	Percent [1]	Number	Percent [1]	Number	Percent [1]
Busses, total	**128,483**	**100.0**	**49,322**	**100.0**	**74,547**	**100.0**	**4,614**	**100.0**
Seating capacity:								
9 persons	107	.1	34	.1	60	.1	13	.3
10–14	2,688	2.2	917	1.9	1,300	1.9	471	12.0
15–19	3,227	2.6	1,349	2.7	1,600	2.3	278	7.1
20–24	14,090	11.5	8,413	17.2	5,022	7.2	655	16.5
25–29	19,699	16.0	14,056	28.6	4,805	6.9	838	21.3
30–34	19,568	15.9	9,793	19.9	9,005	12.9	770	19.3
35–39	21,546	17.6	8,120	16.6	12,871	18.4	555	13.9
40–44	17,825	14.5	5,052	10.3	12,545	18.0	228	5.7
45–49	9,382	7.6	486	1.0	8,826	12.6	70	1.8
50–54	6,492	5.3	38	.1	6,403	9.2	51	1.3
55 and over	8,205	6.7	810	1.6	7,363	10.5	32	.8
Not reported	5,654		254		4,747		653	
Estimated mileage during last calendar year [2] in thousands:								
1–4	19,214	16.8	2,952	6.8	15,352	23.0	910	24.7
5–9	36,187	31.6	2,772	6.4	32,757	49.1	658	17.9
10–14	16,229	14.2	2,720	6.2	13,031	19.6	478	13.0
15–19	6,107	5.4	2,821	6.5	3,068	4.6	218	5.9
20–29	9,000	7.9	7,081	16.2	1,568	2.4	351	9.5
30–39	8,904	7.8	8,294	19.0	424	.6	186	5.0
40–49	6,970	6.1	6,617	15.1	189	.3	164	4.5
50–69	6,952	6.1	6,434	14.7	207	.3	311	8.4
70–99	2,634	2.4	2,400	5.5	89	.1	145	4.0
100–149	1,454	1.3	1,229	2.8	27	[3]	198	5.4
150–199	407	.4	335	.8	8	[3]	64	1.7
Not reported	14,425		5,667		7,827		931	
Annual average miles	19,600		36,700		7,956		27,500	
Year of model:								
1942 [4]	1,870	1.5	724	1.5	1,076	1.4	70	1.5
1941	16,340	12.7	6,539	13.2	9,298	12.5	503	11.0
1940	16,526	12.9	6,053	12.3	10,101	13.6	372	8.2
1939	16,849	13.2	4,469	9.1	12,030	16.2	350	7.7
1938	13,438	10.5	4,032	8.2	9,052	12.2	354	7.7
1937	16,344	12.7	6,455	13.1	9,327	12.6	562	12.3
1936	14,841	11.6	5,905	12.0	8,446	11.4	490	10.7
1935	10,668	8.3	4,089	8.3	6,314	8.5	265	5.8
1934	5,655	4.4	2,326	4.7	3,108	4.2	221	4.8
1933	2,431	1.9	1,120	2.3	1,189	1.6	122	2.7
1932	1,989	1.6	777	1.6	1,050	1.4	162	3.5
1931	2,786	2.2	1,338	2.7	1,221	1.6	227	5.0
1930	2,752	2.1	1,618	3.3	844	1.1	290	6.4
Prior to 1930	5,665	4.4	3,813	7.7	1,271	1.7	581	12.7
Not reported	329		64		220		45	
Fuel types:								
Gasoline	125,361	97.5	46,289	93.8	74,506	100.0	4,566	99.0
Diesel	2,640	2.1	2,561	5.2	32	[3]	47	1.0
Gasoline-butane	130	.1	128	.3	2	[3]		
Gasoline-electric	241	.2	240	.5	1	[3]		
Other	111	.1	104	.2	6	[3]	1	[3]
Garaged location:								
Urban	78,646	61.2	47,000	95.3	28,284	37.9	3,362	72.9
Rural	49,837	38.8	2,322	4.7	46,263	62.1	1,252	27.1
Registrations:								
Number	138,113	100.0	57,260	41.5	74,795	54.1	6,058	4.4
Duplicate registrations	6,475	100.0	5,338	82.4	199	3.1	938	14.5
Busses registered in more than one State	9,630	100.0	7,938	82.4	248	2.6	1,444	15.0

[1] Based on reported records.
[2] Reference is to 1941.
[3] Less than 0.05 percent.
[4] Includes only a partial year's production.

Source: Fed. Works Agency, Pub. Roads Admin.; Nation-wide Truck and Bus Inventory (Memo. No. 60).

No. 581.—Number of Motor-Vehicle Accident Fatalities by Place of Accident, Place of Death, and Place of Residence: Reporting Area and Each Reporting State, 1946

[Based on special transcripts supplied through cooperation of State vital statistics offices and State traffic authorities in a reporting area which covered 46 States and the District of Columbia and represented 93 percent of population of U. S. Reported fatalities represented about 92 percent of total motor-vehicle accident fatalities in U. S. in 1946]

STATE	FATALITIES FROM ACCIDENTS OCCURRING IN 1946 (BY PLACE OF ACCIDENT)			DEATHS OCCURRING IN 1946 (BY PLACE OF DEATH)			FATALITIES FROM ACCIDENTS OCCURRING IN 1946 (BY PLACE OF RESIDENCE)		
	Total	Traffic	Non-traffic	Total	Traffic	Non-traffic	Total	Traffic	Non-traffic
Reporting area	**30,100**	**29,481**	**619**	**30,138**	**29,517**	**621**	**29,942**	**29,328**	**614**
Alabama	753	732	21	743	722	21	761	742	19
Arizona	246	237	9	242	232	9	195	189	6
Arkansas	299	294	5	298	293	5	317	312	5
California	3,637	3,553	84	3,642	3,559	83	3,656	3,572	84
Colorado	367	355	12	370	359	11	355	344	11
Connecticut	253	248	5	250	244	6	254	250	4
Delaware	82	78	4	81	77	4	70	66	4
District of Columbia	60	58	2	84	82	2	89	88	1
Florida	782	761	21	777	756	21	723	705	18
Georgia	766	740	26	777	751	26	770	742	28
Idaho	194	187	7	194	188	6	178	171	7
Illinois	1,837	1,825	12	1,810	1,798	12	1,886	1,872	14
Indiana	998	972	26	1,009	983	26	1,005	982	23
Iowa	558	545	13	576	563	13	556	544	12
Kansas	459	446	13	456	443	13	466	452	14
Kentucky	720	702	18	715	698	17	708	692	16
Louisiana	465	459	6	466	460	6	450	443	7
Maine	195	185	10	196	185	11	197	188	9
Maryland	431	421	10	420	410	10	403	394	9
Massachusetts	529	515	14	540	526	14	576	560	16
Michigan	1,505	1,477	28	1,501	1,471	30	1,570	1,542	28
Minnesota	551	536	15	560	545	15	571	555	16
Mississippi	513	512	1	511	510	1	483	482	1
Missouri	789	782	7	784	777	7	775	767	8
Montana	166	160	6	170	162	8	166	161	5
Nebraska	275	268	7	269	262	7	287	281	6
Nevada	81	80	1	84	83	1	50	50	-------
New Hampshire	115	112	3	109	107	2	104	101	3
New Jersey	731	710	21	736	713	23	735	714	21
New Mexico	262	258	4	260	256	4	181	177	4
New York	1,912	1,895	17	1,900	1,883	17	1,971	1,953	18
North Carolina	1,048	1,036	12	1,058	1,046	12	1,004	991	13
North Dakota	146	140	6	145	141	4	145	139	6
Ohio	1,818	1,798	20	1,824	1,804	20	1,788	1,764	24
Oklahoma	520	505	15	544	529	15	554	537	17
Oregon	502	484	18	484	466	18	474	458	16
Pennsylvania	1,854	1,813	41	1,841	1,802	39	1,886	1,847	39
Rhode Island	84	82	2	87	85	2	92	90	2
South Carolina	643	643	-------	632	632	-------	615	615	-------
South Dakota	179	174	5	179	174	5	166	161	5
Tennessee	641	625	16	669	652	17	635	618	17
Texas	-------	-------	-------	-------	-------	-------	-------	-------	-------
Utah	196	189	7	200	191	9	180	173	7
Vermont	85	82	3	87	84	3	85	82	3
Virginia	-------	-------	-------	-------	-------	-------	-------	-------	-------
Washington	624	605	19	629	610	19	613	592	21
West Virginia	348	344	4	353	349	4	377	372	5
Wisconsin	733	710	23	730	707	23	716	694	22
Wyoming	148	148	-------	147	147	-------	104	104	-------

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1946.

No. 582.—Number of Motor-Vehicle Traffic Accident Fatalities by Age, Race, and Sex, and by Status of Decedent: Reporting Area, 1946

[See headnote, table 581]

Age and race	Male					Female				
	Total	Driver	Passenger	Pedestrian	Other and not stated	Total	Driver	Passenger	Pedestrian	Other and not stated
All ages	**22,959**	**8,196**	**5,179**	**8,073**	**1,511**	**6,522**	**595**	**3,399**	**2,161**	**367**
Under 1 year	63	-------	59	1	3	50	-------	44	1	5
1 to 4 years	647	-------	174	459	14	395	-------	124	261	10
5 to 14 years	1,527	47	339	877	264	671	8	209	405	49
15 to 19 years	1,929	721	797	235	176	697	54	517	75	51
20 to 24 years	3,334	1,850	1,026	232	226	638	73	460	61	44
25 to 34 years	3,724	2,090	956	450	228	817	148	525	108	36
35 to 44 years	2,618	1,278	548	646	146	656	99	371	143	43
45 to 54 years	2,627	909	489	1,074	155	722	93	382	202	45
55 to 64 years	2,671	676	411	1,443	141	754	72	355	295	32
65 to 74 years	2,315	449	254	1,517	95	670	38	249	357	26
75 years and over	1,461	168	109	1,127	57	441	8	155	252	26
Not stated	43	8	17	12	6	11	2	8	1	-------
White	**20,919**	**7,727**	**4,657**	**7,266**	**1,269**	**5,963**	**564**	**3,174**	**1,920**	**305**
Under 1 year	59	-------	55	1	3	44	-------	39	1	4
1 to 4 years	565	-------	162	392	11	347	-------	115	223	9
5 to 14 years	1,354	46	295	773	240	593	8	184	357	44
15 to 19 years	1,791	698	736	200	157	635	48	479	68	40
20 to 24 years	3,084	1,761	944	191	188	581	68	428	53	32
25 to 34 years	3,342	1,922	853	381	186	747	142	483	90	32
35 to 44 years	2,295	1,184	474	524	113	573	93	338	109	33
45 to 54 years	2,332	858	416	944	114	663	89	365	172	37
55 to 64 years	2,457	646	365	1,328	118	710	69	341	271	29
65 to 74 years	2,200	440	240	1,438	82	637	37	243	334	23
75 years and over	1,408	165	104	1,086	53	426	8	154	242	22
Not stated	32	7	13	8	4	7	2	5	-------	-------
Nonwhite	**2,040**	**469**	**522**	**807**	**242**	**559**	**31**	**225**	**241**	**62**
Under 1 year	4	-------	4	-------	-------	6	-------	5	-------	1
1 to 4 years	82	-------	12	67	3	48	-------	9	38	1
5 to 14 years	173	1	44	104	24	78	-------	25	48	5
15 to 19 years	138	23	61	35	19	62	6	38	7	11
20 to 24 years	250	89	82	41	38	57	5	32	8	12
25 to 34 years	382	168	103	69	42	70	6	42	18	4
35 to 44 years	323	94	74	122	33	83	6	33	34	10
45 to 54 years	295	51	73	130	41	59	4	17	30	8
55 to 64 years	214	30	46	115	23	44	3	14	24	3
65 to 74 years	115	9	14	79	13	33	1	6	23	3
75 years and over	53	3	5	41	4	15	-------	1	10	4
Not stated	11	1	4	4	2	4	-------	3	1	-------

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1946.

No. 583.—Number of Traffic Accident Fatalities by Hour of Accident and Place of Accident, Urban and Rural: Reporting Area, 1946

[See headnote, table 581]

Hour of accident	Total	Urban	Rural	Hour of accident	Total	Urban	Rural
Total	**29,481**	**9,744**	**19,737**	12 m. to 12:59 p. m.	581	195	386
				1 p. m. to 1:59 p. m.	760	210	550
12 p. m. to 12:59 a. m.	1,435	494	941	2 p. m. to 2:59 p. m.	875	225	650
1 a. m. to 1:59 a. m.	1,204	357	847	3 p. m. to 3:59 p. m.	1,065	284	781
2 a. m. to 2:59 a. m.	874	272	602	4 p. m. to 4:59 p. m.	1,302	359	943
3 a. m. to 3:59 a. m.	484	119	365	5 p. m. to 5:59 p. m.	1,750	607	1,143
4 a. m. to 4:59 a. m.	284	76	208	6 p. m. to 6:59 p. m.	1,842	623	1,219
5 a. m. to 5:59 a. m.	278	68	210	7 p. m. to 7:59 p. m.	1,826	637	1,189
6 a. m. to 6:59 a. m.	363	111	252	8 p. m. to 8:59 p. m.	1,474	489	985
7 a. m. to 7:59 a. m.	494	155	339	9 p. m. to 9:59 p. m.	1,251	416	835
8 a. m. to 8:59 a. m.	493	128	365	10 p. m. to 10:59 p. m.	1,269	415	854
9 a. m. to 9:59 a. m.	567	127	440	11 p. m. to 11:59 p. m.	1,341	388	953
10 a. m. to 10:59 a. m.	637	173	464	Hour not stated	6,268	2,589	3,679
11 a. m. to 11:59 a. m.	764	227	537				

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1946.

No. 584.—Number of Motor-Vehicle Traffic Accident Fatalities by Type of Accident, at Intersection, Urban and Rural: Reporting Area, 1946

[See headnote, table 581]

Accident involving—	Total	Urban				Rural			
		Total	At intersection	Not at intersection	Not stated	Total	At intersection	Not at intersection	Not stated
Total	**29,481**	**9,744**	**3,692**	**4,554**	**1,498**	**19,737**	**2,307**	**14,868**	**2,562**
Collision with:									
Pedestrian	10,217	5,876	2,331	2,683	862	4,341	532	3,223	586
Other motor vehicle	8,129	1,630	879	559	192	6,499	1,242	4,535	722
Railroad train	1,641	464	23	437	4	1,177	53	1,115	9
Streetcar	130	121	44	58	19	9	5	4	
Bicycle	495	206	88	86	32	289	43	210	36
Animal-drawn vehicle	56	7	2	5		49	5	38	6
Animal	42	3		3		39	3	33	3
Fixed object	2,460	641	185	364	92	1,819	111	1,537	171
Noncollision:									
Overturning on roadway	958	108	26	68	14	850	53	644	153
Running off roadway	3,720	250	46	183	21	3,470	213	3,011	246
Other noncollision	876	210	65	98	47	666	43	479	144
Other and not stated	757	228	3	10	215	529	4	39	486

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1946.

No. 585.—Number of Motor-Vehicle Traffic Accident Fatalities of Pedestrians and Nonpedestrians by Place and Month of Accident: Reporting Area, 1946

[See headnote, table 581]

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
REPORTING AREA													
Total	**29,481**	**2,583**	**2,243**	**2,419**	**2,185**	**2,142**	**2,035**	**2,223**	**2,546**	**2,495**	**2,713**	**2,865**	**3,032**
Pedestrian	10,234	1,084	891	955	777	643	557	632	704	786	945	1,121	1,139
Nonpedestrian	19,247	1,499	1,352	1,464	1,408	1,499	1,478	1,591	1,842	1,709	1,768	1,744	1,893
URBAN													
Pedestrian	5,886	638	531	561	432	372	298	360	376	436	538	630	714
Nonpedestrian	3,858	352	277	314	303	321	287	273	316	305	377	320	413
Places 100,000 or more:													
Pedestrian	3,435	377	323	332	234	215	178	207	221	252	300	358	438
Nonpedestrian	1,529	138	129	92	125	139	110	102	119	127	145	142	161
Places 25,000 to 100,000:													
Pedestrian	1,106	115	97	104	95	65	51	69	80	83	95	116	136
Nonpedestrian	790	66	49	87	55	61	61	62	67	55	72	69	86
Places 10,000 to 25,000:													
Pedestrian	651	79	48	56	43	41	40	45	35	47	69	68	80
Nonpedestrian	666	70	36	56	55	57	49	38	57	62	65	42	79
Places 2,500 to 10,000:													
Pedestrian	694	67	63	69	60	51	29	39	40	54	74	88	60
Nonpedestrian	873	78	63	79	68	64	67	71	73	61	95	67	87
RURAL													
Pedestrian	4,348	446	360	394	345	271	259	272	328	350	407	491	425
Nonpedestrian	15,389	1,147	1,075	1,150	1,105	1,178	1,191	1,318	1,526	1,404	1,391	1,424	1,486

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1946.

No. 586.—Number of Motor-Vehicle Accident Fatalities (Traffic and Nontraffic) in Registration States: 1915 to 1947

[For continental United States. Excludes automobile collisions with trains and streetcars, and motorcycle accidents, 1915 to 1925, inclusive]

Year	Death-registration states [1]				Year	Death-registration states [1]			
	Number of deaths	Rate per 100,000 estimated population	Number of cars registered (including official)	Deaths per 100,000 cars		Number of deaths	Rate per 100,000 estimated population	Number of cars registered (including official)	Death per 100,000 cars
1915	3,573	5.8	1,775,064	201.3	1931	32,020	27.1	24,705,328	129.6
1916	4,737	7.1	2,511,805	188.6	1932	28,029	23.6	23,085,036	121.4
1917	6,064	8.6	3,530,268	171.8	1933	31,363	25.0	24,103,969	130.1
1918	7,310	9.3	4,715,317	155.0	1934	36,101	28.6	25,210,503	143.2
1919	7,771	9.3	5,922,572	131.2	1935	36,369	28.6	26,513,491	137.2
1920	8,878	10.3	7,440,420	119.3	1936	38,089	29.7	28,519,059	133.6
1921	9,903	11.3	8,578,536	115.4	1937	39,643	30.8	30,039,892	132.0
1922	11,466	12.4	10,374,993	110.5	1938	32,582	25.1	29,851,210	109.1
1923	14,157	14.6	13,359,965	106.0	1939	32,386	24.7	31,009,870	104.4
1924	15,221	15.3	15,714,878	96.9	1940	34,501	[2] 26.2	32,452,861	106.3
1925	17,149	16.8	17,875,567	95.9	1941	39,969	30.0	34,842,847	114.7
1926	20,625	19.9	19,838,947	104.0	1942	28,309	21.2	33,002,600	85.8
1927	23,114	21.6	21,084,564	109.6	1943	23,823	17.8	30,888,134	77.1
1928	26,311	23.2	23,126,127	113.8	1944	24,282	18.3	30,479,306	79.7
1929	29,439	25.5	25,097,555	117.3	1945	28,076	21.3	31,035,420	90.5
1930	31,256	26.7	25,350,499	123.3	1946	33,411	23.9	34,373,002	97.2
					1947	32,697	22.8	37,841,498	86.4

[1] Includes District of Columbia. All States were in registration system in 1933 and thereafter.
[2] Based on enumerated population, Apr. 1, 1940.

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; basic figures are published in annual reports as follows: 1915–36, Mortality Statistics; 1937–47, Vital Statistics of the United States, Pt. I. Motor-vehicle registrations, Federal Works Agency, Public Roads Administration; annual statements on motor-vehicle registrations.

20. Transportation, Air and Land—Steam and Electric Railways, Express Companies, Motor Busses, and Civil Aeronautics

Steam railways.—Because of the long period in which it has been subject to close Federal regulation and the degree of its consolidation, there is an extensive coverage of important statistical items relating to the railway industry. The Statistics of Railways in the United States, published annually by the Interstate Commerce Commission since 1888, is the most important source for steam railway statistics. Various other periodical reports are also issued by the Interstate Commerce Commission. The Association of American Railroads supplements official railway statistics with various releases.

The term "steam railways" as used in this section includes electrified divisions operated by such carriers. The total steam railroad mileage of the United States comprises: (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.

Electric railways.—The Interstate Commerce Commission issues annually an abstract of the annual reports of electric railways, chiefly interurban, which report to it. The American Transit Association publishes street railway statistics in its annual Transit Fact Book. The Bureau of the Census has published a quinquennial report on electric railways from 1902 to 1937. In the more recent years the report also covered affiliated trolley-bus and motor bus operations. The last Census of Electrical Industries was for the year 1937.

Motor carriers.—Statistics of class I for-hire carriers (those with $100,000 or more of gross annual operating revenues) are compiled by the Interstate Commerce Commission from annual and quarterly reports submitted to it by these carriers. This series begins with 1939 data.

The annual review and statistical number of Bus Transportation, a McGraw-Hill publication, summarizes operations of common carriers and school busses.

Civil aeronautics.—Federal promotion and regulation of civil aviation are carried out by two bodies—the Civil Aeronautics Administration and the Civil Aeronautics Board. The Civil Aeronautics Board is an independent agency concerned primarily with the issuance of certificates of public necessity, economic regulation, the formula-

tion of safety regulations and the investigation of accidents to civil aircraft. The Civil Aeronautics Administration is an operating agency of the Department of Commerce. Its principal activities are the building and operation of air navigation aids, the enforcement of safety regulations and promotion of a national airport system.

The Statistical Handbook of Civil Aviation is published by the Civil Aeronautics Administration. The 1948 issue of this Handbook brings together all official statistical data on the development of civil aviation in the United States, including summaries of statistics published by the Civil Aeronautics Board in Annual Airline Statistics. The Civil Aeronautics Administration has also published a detailed historical record of America's aircraft production during the recent war. This publication is entitled, "U. S. Military Aircraft Acceptances, 1940–45—Aircraft, Engine, and Propeller Production."

Historical statistics.—In this section, tabular headnotes (as "See also *Historical Statistics*, series K 28–33") provide cross-references, where applicable, to Historical Statistics of the United States, 1789–1945. In that historical supplement to the Statistical Abstract, statistics are carried back year by year as far as possible. See also the historical appendix of the present issue of the Abstract for specific titles of series and the earliest year shown in the supplement.

No. 587.—Steam Railways—Mileage Owned and Mileage Operated: 1925 to 1947

[As of Dec. 31. See also *Historical Statistics*, series K 28–33]

ITEM	1925	1930	1935	1940	1945	1946	1947
Number of operating companies [1]	947	775	661	574	517	513	502
Road owned, first track (miles) [2]	249,398	249,052	241,822	233,670	226,696	226,438	225,808
Miles operated: [3]							
All railways, road, first track	261,871	262,215	254,347	246,739	240,156	239,869	238,962
Total, reporting railways	417,954	429,883	419,228	405,975	398,054	398,037	397,355
Road, first track	258,631	260,440	252,930	245,740	239,438	239,069	238,209
Other main tracks	40,962	42,742	41,916	41,373	41,106	41,015	40,954
Yard track and sidings	118,361	126,701	124,382	118,862	117,510	117,953	118,192
Class I railways, road, first track	236,848	242,391	237,491	232,524	227,877	227,599	227,038

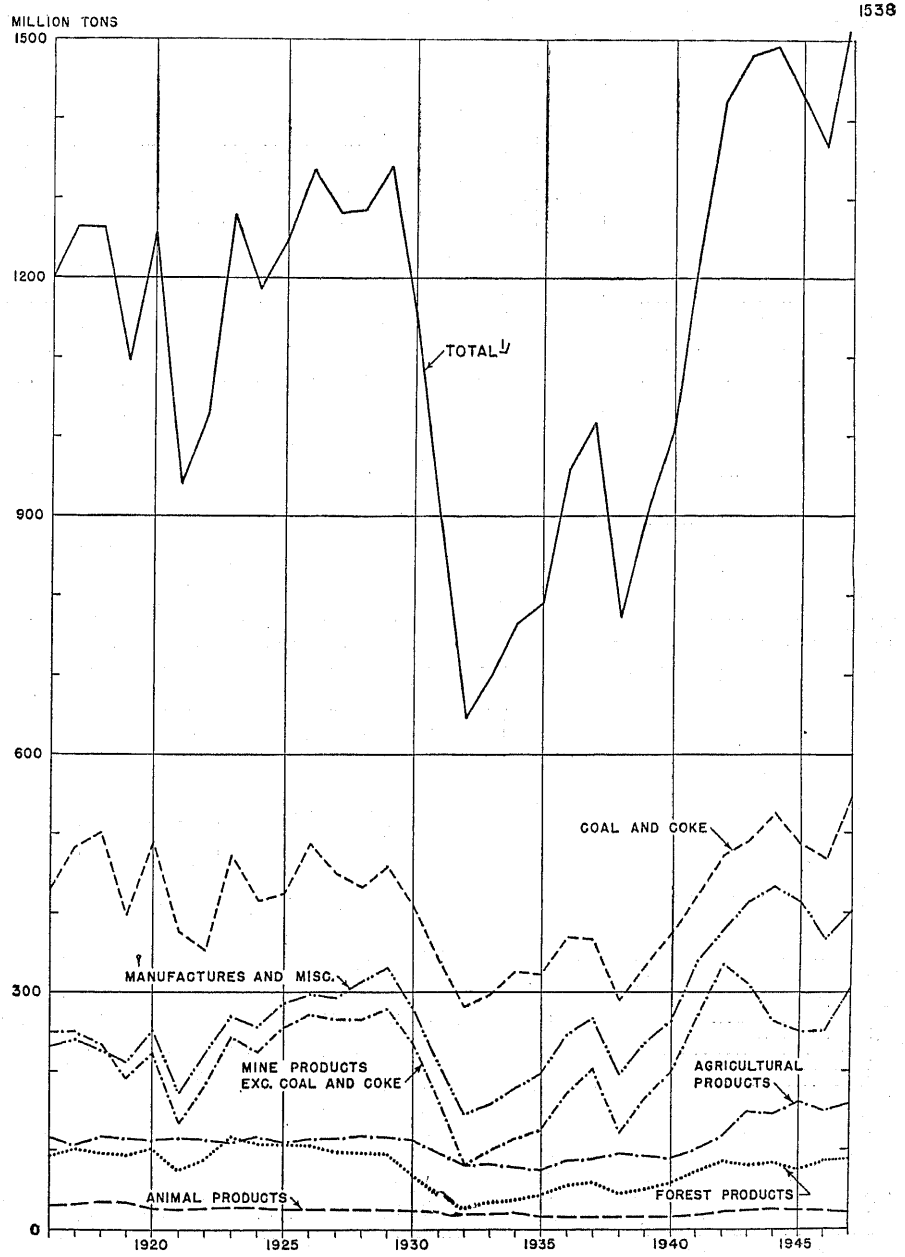
CLASS OF COMPANIES	1946			1947		
	Companies	Miles of road		Companies	Miles of road	
		Owned [2]	Operated [3]		Owned [2]	Operated [3]
Total	**1,133**	**226,438**	**239,869**	**1,114**	**225,806**	**238,962**
Class I line-haul operating	130	177,574	227,599	127	177,949	227,038
Lessors to Class I	213	30,333		201	30,123	
Class II line-haul operating	170	7,780	8,767	173	7,625	8,608
Lessors to Class II	6	189		6	189	
Class III line-haul operating	180	2,454	2,703	175	2,330	2,563
Lessors to Class III	7	65		8	68	
Switching and terminal	[4] 253	([5])	([5])	[4] 252	([5])	([5])
Proprietary [6]	120	6,405		122	6,414	
Circular	30	610	456	33	692	513
Unofficial	24	528	344	17	416	240

[1] Classes I, II, III, circular, and unofficial.
[2] First track. Covers continental U. S. only, excluding all duplication.
[3] Includes some duplication under trackage rights and some mileage in Canada operated by U. S. companies.
[4] Includes 213 operating, 13 lessor, 15 proprietary, 9 circular, and 3 unofficial companies in 1946 and 212 operating, 13 lessor, 15 proprietary, 10 circular, and 2 unofficial companies in 1947.
[5] Figures omitted as "miles of road" of switching and terminal companies is not comparable with that of line-haul companies.
[6] Excludes proprietary companies in systems which file consolidated reports combining mileage, investment, and other items on a net system basis.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

FIGURE 8.—REVENUE FREIGHT ORIGINATED, CLASS I RAILROADS: 1916 TO 1947

[See table 605]



[1] Includes "All less than carload shipments," not shown separately.

Source: Department of Commerce, Bureau of the Census. Data are from Interstate Commerce Commission.

No. 588.—Steam Railways—Summary Statistics: 1890 to 1947

[Includes intercorporate duplications. Unless otherwise noted, covers railways of Classes I, II, and III only, except that prior to 1908 returns for switching and terminal companies were included where applicable. See also *Historical Statistics*, series K 1–83]

Year	Mileage		Equipment [4]				
	Number of operating railways [1]	Road owned (first track) [2]	Track operated (all track) [3]	Locomotives		Cars in service		
				Number in service	Average tractive effort [5]	Passenger cars	Freight-train cars	Average capacity of freight cars [5]
June 30:	*Number*	*Miles*	*Miles*	*Number*	*Pounds*	*Number*	*Number*	*Tons*
1890	1,013	163,597	199,875	30,140	----	26,820	918,491	----
1895	1,104	180,657	233,275	35,699	----	33,112	1,196,119	----
1900	1,224	193,346	258,784	37,663	----	34,713	1,365,531	----
1905	1,380	218,101	306,797	48,357	23,666	40,713	1,731,409	30.8
1910	1,306	240,293	351,767	60,019	27,282	47,179	2,148,478	35.9
1915	1,260	253,789	391,141	66,502	31,501	55,810	2,341,567	39.7
Dec. 31:								
1920	1,085	252,845	406,579	68,942	36,365	56,102	2,388,424	42.4
1925	947	249,398	417,954	68,098	40,666	56,814	2,414,083	44.8
1930	775	249,052	429,883	60,189	45,225	53,584	2,322,267	46.9
1935	661	241,822	419,228	49,541	48,367	42,426	1,867,381	48.3
1940	574	233,670	405,975	44,333	50,905	38,308	1,684,171	50.0
1941	559	231,971	403,625	44,375	51,217	38,334	1,732,673	50.3
1942	543	229,174	399,627	44,671	51,811	38,446	1,773,735	50.5
1943	534	227,999	398,730	45,406	52,451	38,331	1,784,472	50.7
1944	524	227,335	398,437	46,305	52,822	38,217	1,797,012	50.8
1945	517	226,696	398,054	46,253	53,217	38,633	1,787,073	51.1
1946	513	226,438	398,037	45,511	53,735	38,697	1,768,400	51.3
1947	502	225,806	397,355	44,344	54,506	39,057	1,759,758	51.5

Year	Employment and wages		Capital and property investment (includes lessors)				
	Number of employees	Compensation of railroad employees	Road and equipment		Railway capital outstanding [9]	Net capitalization	Stock paying dividends
			Investment book value [6 7]	Depreciation reserve [8]			
June 30:	*1,000*	*$1,000*	*$1,000*	*$1,000*	*$1,000,000*	*$1,000,000*	*$1,000*
1890	749	----	8,133,665	----	8,984	7,577	1,598,132
1895	785	445,508	9,203,491	----	10,347	8,900	1,485,618
1900	1,018	577,265	10,263,313	----	11,491	9,548	2,668,970
1905	1,382	839,945	11,951,349	----	13,805	11,167	4,119,087
1910	1,699	1,143,725	14,557,816	----	18,417	14,376	5,412,578
1915	1,548	1,277,663	17,441,420	511,452	21,128	16,308	5,219,847
Dec. 31:							
1920	2,076	3,754,281	19,849,320	1,081,342	21,891	16,994	5,075,040
1925	1,786	2,916,193	23,217,209	1,681,291	23,644	18,191	6,278,532
1930	1,517	2,588,598	26,051,000	2,360,767	24,331	19,066	7,702,021
1935	1,014	1,666,229	25,500,465	2,771,404	24,247	18,342	3,412,968
1940	1,046	1,990,631	25,646,014	3,095,237	23,371	17,630	3,741,132
1941	1,159	2,360,369	25,668,984	3,240,145	22,952	17,568	3,861,658
1942	1,291	2,966,062	25,838,351	3,561,570	22,742	17,315	5,355,928
1943	1,375	3,556,189	26,145,458	3,939,562	22,149	16,755	5,466,566
1944	1,434	3,897,755	26,631,654	4,382,604	21,693	16,276	5,523,271
1945	1,439	3,900,928	26,967,756	5,549,720	20,891	15,667	5,383,158
1946	1,378	4,213,530	27,277,974	5,800,975	20,545	15,509	5,221,681
1947	1,371	4,399,296	27,686,103	6,037,033	20,173	15,301	5,184,182

See footnotes at end of table.

No. 588.—Steam Railways—Summary Statistics: 1890 to 1947—Continued

Year or yearly average	Income and expenses					Interest and dividends (includes lessors)	
	Operating revenue	Operating expenses	Railway operating income	Railway tax accruals	Net income (includes lessors)	Dividends declared	Interest accrued on funded debt
June 30:	*$1,000*	*$1,000*	*$1,000*	*$1,000*	*$1,000*	*$1,000*	*$1,000*
1891–1895	1,127,531	759,588	----------	34,915	93,876	94,093	243,013
1896–1900	1,264,048	832,377	----------	41,970	151,550	104,295	249,548
1901–1905	1,854,682	1,226,737	----------	53,106	321,776	199,752	285,755
1906–1910	2,528,171	1,705,542	[10] 740,607	80,931	478,097	339,685	363,470
1911–1915	3,007,262	2,123,282	760,502	123,345	459,489	401,944	436,178
Dec. 31:							
1916–1920	4,870,468	3,971,453	672,380	227,680	562,892	350,789	480,053
1921–1925	6,003,699	4,684,135	988,751	328,822	562,314	400,389	558,375
1926–1930	6,139,269	4,502,029	1,249,408	386,372	807,103	543,007	582,701
1931–1935	3,473,819	2,622,222	585,346	265,137	29,932	225,072	580,677
1936–1940	4,071,163	2,998,447	719,380	353,335	132,951	198,307	532,413
1941–1945	8,122,360	5,507,771	1,349,035	1,265,554	746,475	268,997	512,508
1941	5,413,972	3,709,921	1,148,081	555,970	557,672	239,438	543,954
1942	7,547,826	4,653,705	1,682,347	1,211,775	992,843	254,088	564,174
1943	9,138,419	5,714,804	1,560,675	1,862,940	946,150	263,919	515,617
1944	9,524,628	6,345,035	1,317,941	1,861,652	733,461	292,248	488,877
1945	8,986,954	7,115,391	1,036,130	835,434	502,250	295,294	449,917
1946	7,709,171	6,422,494	780,197	506,480	334,966	283,171	406,147
1947	8,784,214	6,869,806	965,136	949,273	537,405	280,397	374,150

Year or yearly average	Passenger service			Freight service					
	Passenger revenue (rail line)	Passenger miles	Revenue per passenger mile	Freight revenue (rail line)	Revenue tons originated	Tons carried 1 mile	Revenue ton miles per mile of road	Revenue per ton-mile	Haul per ton
June 30:	*$1,000*	*1,000,000*	*Cents*	*$1,000*	*Million tons*	*Million tons*	*Ton-miles*	*Cents*	*Miles*
1891–1895	281,415	13,383	2.10	758,930	----------	85,693	506,809	0.886	----------
1896–1900	279,900	13,863	2.02	879,837	[11] 543	113,962	611,128	.772	----------
1901–1905	416,609	20,737	2.01	1,298,714	691	167,715	820,016	.774	242.67
1906–1910	566,815	28,683	1.98	1,744,525	930	228,936	1,006,849	.762	246.10
1911–1915	672,792	33,768	1.99	2,051,625	1,074	277,073	1,104,718	.740	257.95
Dec. 31:									
1916–1920	1,021,536	42,548	2.40	3,419,260	1,326	390,815	1,510,297	.875	294.78
1921–1925	1,112,634	36,869	3.02	4,377,618	1,231	375,468	1,455,589	1.166	304.96
1926–1930	908,341	31,846	2.85	4,690,122	1,365	430,310	1,657,434	1.090	315.34
1931–1935	392,869	18,375	2.14	2,763,961	798	270,192	1,051,083	1.023	339.12
1936–1940	419,760	23,068	1.82	3,315,398	986	341,321	1,370,519	.971	346.13
1941–1945	1,342,958	71,713	1.87	6,221,235	1,482	654,687	2,711,448	.950	439.36
1941	515,851	29,406	1.75	4,509,760	1,296	477,576	1,950,166	.944	368.54
1942	1,030,486	53,747	1.92	6,026,416	1,498	640,992	2,638,067	.940	427.76
1943	1,655,814	87,925	1.88	6,865,754	1,557	730,132	3,032,199	.940	469.07
1944	1,793,322	95,663	1.88	7,087,033	1,565	740,586	3,084,195	.957	473.28
1945	1,719,316	91,826	1.87	6,617,213	1,493	684,148	2,852,615	.967	458.14
1946	1,261,416	64,754	1.95	5,866,351	1,432	594,943	2,488,499	.986	415.48
1947	965,005	45,972	2.10	7,140,881	1,613	657,878	2,752,915	1.085	407.82

[1] Includes circular and unofficial companies.
[2] Includes lessors, proprietary, circular, and unofficial companies.
[3] For railways reporting track by class.
[4] Includes switching and terminal companies except as noted.
[5] Since 1916 represents steam locomotives and freight cars of class I railways, excluding switching and terminal companies.
[6] Includes lessor companies since 1921; for 1925 and subsequent years, also includes proprietary companies except those which are part of systems filing consolidated annual reports.
[7] Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale, or abandonment reclassification, etc.
[8] Includes depreciation on "Miscellaneous physical property" for years prior to 1920. Amortization of defense projects included subsequent to 1940.
[9] Includes actually outstanding, nominally issued, and nominally outstanding securities, and equipment obligations.
[10] Average for 1908–1910.
[11] Average for 1899 and 1900.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 589.—Steam Railways—Miles of Road Owned, by States: 1860 to 1947

[Data are for 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 beginning with 1910 exclude switching and terminal roads. See also *Historical Statistics*, series K 1, 2, and 29 for annual U. S. totals]

STATE	1860 [1]	1870 [1]	1880 [1]	1890	1900	1910 [2]	1920	1930	1940	1947
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,052	233,670	225,806
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,596	6,677	6,467
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,193	1,882	1,828
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,165	1,002	946
Vermont	554	614	914	921	1,012	1,100	1,077	1,056	919	902
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,022	1,793	1,732
Rhode Island	108	136	210	213	212	212	211	191	194	184
Connecticut	601	742	923	1,007	1,024	1,000	1,001	969	887	875
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	21,752	20,175	19,392
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,312	7,739	7,550
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,299	2,108	2,039
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,141	10,328	9,803
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,644	29,475	28,353
Delaware	127	197	275	323	347	335	335	325	295	295
Dist. of Columbia	[4]	[4]	[4]	30	32	36	36	36	35	34
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,443	1,367	1,321
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,516	4,261	4,110
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,046	3,831	3,742
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,161	4,668	4,554
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,780	3,466	3,316
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,671	6,334	6,135
Florida	402	446	518	2,471	3,299	4,432	5,212	5,666	5,218	4,846
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,770	41,281	40,052
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,804	8,501	8,424
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,106	6,889	6,651
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	12,500	11,949	11,711
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,072	7,303	6,900
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,288	6,639	6,366
West North Central	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,400	48,293	47,480
Minnesota	-------	1,092	3,151	5,466	6,943	8,669	9,114	8,779	8,421	8,369
Iowa	655	2,683	5,400	8,356	9,185	9,755	9,808	9,698	8,950	8,781
Missouri	817	2,900	3,965	6,004	6,875	8,083	8,117	7,897	7,042	6,834
North Dakota	-------	[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,275	5,266	5,257
South Dakota	-------	[6]	[6]	2,486	2,850	3,948	4,276	4,238	4,006	3,979
Nebraska	-------	705	1,953	5,295	5,685	6,067	6,166	6,174	6,044	5,820
Kansas	-------	1,501	3,400	8,806	8,719	9,007	9,388	9,339	8,564	8,440
East South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,452	16,179	15,705
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,054	3,691	3,579
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	3,940	3,573	3,491
Alabama	743	1,157	1,843	3,314	4,226	5,226	5,378	5,249	4,996	4,841
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,209	3,919	3,794
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	33,227	31,497	30,112
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,654	4,357	4,158
Texas	307	711	3,244	8,613	9,886	14,282	16,125	17,069	16,356	15,662
Oklahoma	-------	-------	289	1,214	2,151	5,980	6,572	6,678	6,302	5,990
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,826	4,482	4,302
Mountain	-------	1,466	5,082	12,676	15,808	22,956	25,170	24,973	23,518	22,335
Montana	-------	-------	106	2,181	3,010	4,207	5,072	5,228	5,149	5,058
Wyoming	-------	459	512	942	1,229	1,645	1,931	2,036	2,008	1,925
Colorado	-------	157	1,570	4,176	4,587	5,533	5,519	4,972	4,552	4,380
New Mexico	-------	-------	758	1,324	1,753	3,032	2,972	2,973	2,812	2,495
Arizona	-------	-------	349	1,097	1,512	2,097	2,478	2,494	2,228	2,206
Utah	-------	257	842	1,090	1,547	1,986	2,161	2,196	2,082	1,854
Nevada	-------	593	739	925	909	2,277	2,160	2,109	1,941	1,704
Idaho	-------	-------	206	941	1,261	2,179	2,877	2,965	2,746	2,713
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,238	16,575	15,910
Washington	-------	-------	289	1,783	2,914	4,875	5,587	5,542	5,243	5,218
Oregon	-------	159	508	1,428	1,724	2,285	3,305	3,456	3,385	3,255
California	23	925	2,195	4,356	5,751	7,772	8,356	8,240	7,947	7,437
Alaska Territory	-------	-------	-------	-------	22	390	246	790	536	568
Hawaii Territory	-------	-------	-------	-------	-------	175	243	232	192	29

[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; annual report, Statistics of Railways in the United States.

No. 590.—Steam Railways (All Reporting Companies)—Equipment in Service: 1925 to 1947

["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. Excludes the large number of cars owned by private car lines. See also *Historical Statistics*, series K 34-38]

Year ending Dec. 31—	Locomotives					Freight-train cars [3]			Passenger-train cars
	Total number [1]	Steam			Electric locomotive units	Total number	Capacity [2]		
		Number	Tractive effort [2]				Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lb.)	Average (lb.)					
1925	68,092	67,713	2,586,868	40,666	379	2,414,083	105,570	44.8	56,814
1930	60,189	59,406	2,526,940	45,225	663	2,322,267	106,180	46.6	53,584
1935	49,541	48,477	2,206,201	48,367	884	1,867,381	88,677	48.3	42,426
1936	48,009	46,923	2,162,699	48,972	858	1,790,043	85,721	48.8	41,390
1937	47.555	46,342	2,155,555	49,412	872	1,776,428	85,808	49.2	40,949
1938	46,544	45,210	2,123,464	49,803	882	1,731,096	84,032	49.4	39,931
1939	45,172	43,604	2,072,110	50,395	879	1,680,519	82,002	49.7	38,977
1940	44,333	42,410	2,038,284	50,905	900	1,684,171	82,722	50.0	38,308
1941	44,375	41,911	2,029,425	51,217	895	1,732,673	85,682	50.3	38,334
1942	44,671	41,755	2,046,064	51,811	892	1,773,735	88,187	50.5	38,446
1943	45,406	41,983	2,083,618	52,451	907	1,784,472	88,968	50.7	38,331
1944	46,305	41,921	2,096,046	52,822	902	1,797,012	89,960	50.8	38,217
1945	46,253	41,018	2,067,639	53,217	885	1,787,073	89,872	51.1	38,633
1946	45,511	39,592	2,017,807	53,735	867	1,768,400	89,391	51.3	38,697
1947	44,344	36,942	1,913,593	54,506	864	1,759,758	89,225	51.5	39,057

[1] Includes locomotives other than classes shown. [2] Class I roads. [3] Excludes caboose cars.

No. 591.—Steam Railways—Cars in Service, by Class: 1935 to 1947

["All operating companies" include switching and terminal companies but not circular and unofficial lines. Excludes cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies]

Class	All operating companies					Class I, 1947			
	1935	1940	1945	1946	1947	Total	Eastern district	Southern district	Western district
Freight-train cars [1]	**1,867,381**	**1,684,171**	**1,787,073**	**1,768,400**	**1,759,758**	**1,734,239**	**735,300**	**407,200**	**591,739**
Box	812,776	708,682	745,901	732,331	730,640	726,882	273,958	142,123	310,801
Flat	83,405	65,752	71,092	69,565	68,336	65,005	11,577	14,136	39,292
Stock	68,455	54,674	54,484	53,169	51,928	51,882	6,835	4,584	40,463
Gondola and hopper (open and closed tops)	793,776	809,538	874,553	872,808	868,293	852,312	440,617	240,627	171,068
Tank	9,266	8,836	9,030	9,011	8,914	8,196	4	20	8,172
Refrigerator	26,703	21,772	21,001	20,630	20,833	20,816	391	2,116	18,309
Other	73,000	14,917	11,012	10,886	10,814	9,146	1,918	3,594	3,634
Steel [2]	809,612	956,004	1,153,145	1,181,784	1,219,787	1,219,787	619,747	304,466	295,574
Steel underframe [2]	908,252	640,428	570,513	529,688	488,299	488,299	114,756	92,331	281,212
Caboose cars	24,994	22,216	25,198	24,944	24,758	23,905	9,327	5,138	9,440
Passenger-train cars	**42,426**	**38,308**	**38,633**	**38,697**	**39,057**	**38,770**	**20,628**	**5,709**	**12,433**
Coaches	(3)	17,470	17,668	17,654	17,542	17,454	10,519	2,325	4,610
Combination coach	(3)	3,207	2,748	2,692	2,635	2,502	1,356	411	735
Parlor and sleeping [4]	(3)	422	731	825	776	766	398	56	312
Dining	(3)	1,535	1,552	1,549	1,628	1,628	617	302	709
Club, lounge, and observation	(3)	370	278	299	354	352	52	58	242
Postal	(3)	1,829	1,701	1,690	1,693	1,693	822	273	598
Baggage, express, and other nonpassenger	(3)	13,087	13,671	13,708	14,160	14,123	6,810	2,256	5,057
Other passenger	(3)	105	26	25	17	12	6	6	
Other passenger-train	(3)	283	258	255	252	240	48	22	170
Steel [2]	28,951	29,897	31,838	32,184	33,146	33,146	18,120	4,658	10,368
Steel underframe [2]	8,394	6,442	5,576	5,424	5,018	5,018	2,367	912	1,739
Company service equipment	79,584	77,811	90,056	93,376	95,202	93,250	29,272	18,704	45,274
Motor cars and trailers [2]	4,545	4,081	3,820	3,759	3,743	3,743	2,969	374	400

[1] Excludes caboose cars. [2] Data represent class I roads only. [3] No comparable data available because of change in classification. [4] Excludes cars owned by Pullman Co.

Source of tables 590 and 591: Interstate Commerce Commission; annual report, Statistics of Railways in th United States.

No. 592.—Steam Railways (Class I)—Equipment Installed and Permanently Withdrawn From Service: 1932 to 1947

[Includes owned and leased equipment]

YEAR	LOCOMOTIVES		FREIGHT-TRAIN CARS		PASSENGER-TRAIN CARS	
	New units installed	Units permanently withdrawn [1]	New units installed	Units permanently withdrawn [1]	New units installed	Units permanently withdrawn [1]
1932	90	2,141	2,815	65,744	58	1,345
1933	14	2,401	1,936	109,623	7	2,081
1934	90	2,743	23,948	119,740	270	2,318
1935	139	1,966	6,987	109,539	225	2,075
1936	98	1,644	37,554	113,582	159	988
1937	441	973	69,118	81,451	576	842
1938	252	1,129	15,213	60,827	275	1,009
1939	298	1,660	23,236	74,229	209	790
1940	421	1,260	60,455	54,846	154	754
1941	632	718	76,392	26,693	297	587
1942	716	579	58,595	15,257	273	364
1943	891	268	28,000	13,516	8	255
1944	1,245	519	38,970	24,589	104	223
1945	901	1,110	37,132	44,247	111	375
1946	712	1,424	38,823	52,713	481	521
1947	1,398	2,739	55,543	62,594	858	736

[1] Permanently withdrawn for sale or demolition.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 593.—Steam Railways (Class I)—Fuel Consumption and Rail and Tie Replacements: 1925 to 1947

[Excludes rails and ties laid in new construction. Short ton is 2,000 pounds; long ton 2,240 pounds]

CLASS	ALL DISTRICTS						
	1925	1930	1935	1940	1945	1946	1947
Consumption of fuel by steam locomotives:							
Anthracite, 1,000 short tons	2,174	1,140	508	286	139	145	42
Bituminous coal, do	117,714	98,400	71,335	79,628	115,154	100,486	100,437
Fuel oil [1], 1,000 gallons	2,457,827	2,366,569	1,998,176	2,502,868	4,413,072	3,869,371	3,788,666
Other fuel equivalent, 1,000 short tons				34	32	32	34
Total, coal equivalent, [2] 1,000 short tons	135,420	114,458	84,783	96,067	143,806	125,568	124,942
Rails laid in replacement and betterment:							
Total tonnage, 1,000 long tons	3,485	2,674	1,159	1,912	2,956	2,302	2,532
Total charges [3], 1,000 dollars	126,487	98,521	36,218	64,516	106,010	87,537	114,891
Ties laid in previously constructed tracks:							
Cross ties, thousands	82,717	63,354	44,326	43,621	43,912	37,562	37,289
Switch and bridge ties, 1,000 board feet	[4] 282,630	235,315	156,536	145,553	130,520	106,205	108,159
Total charges [3], 1,000 dollars	[4] 120,644	94,207	52,370	59,047	97,908	90,717	98,319

CLASS	1946			1947		
	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Consumption of fuel by steam locomotives:						
Anthracite, 1,000 short tons	145			42		
Bituminous, do	48,973	24,255	27,258	49,872	24,610	25,955
Fuel oil [1], 1,000 gallons	4,662	39,965	3,824,744	17,768	42,218	3,728,680
Other fuel equivalent, 1,000 short tons	4	1	27	5	1	28
Total, coal equivalent [2], 1,000 short tons	49,152	24,493	51,923	50,032	24,862	50,048
Rails laid in replacement and betterment:						
Total tonnage, 1,000 long tons	773	495	1,034	803	594	1,135
Total charges [3], 1,000 dollars	28,369	18,547	40,621	34,976	27,300	52,615
Ties laid in previously constructed tracks:						
Cross ties, thousands	9,886	10,384	17,292	8,738	10,424	18,127
Switch and bridge ties, 1,000 board feet	31,003	28,720	46,482	27,668	34,365	46,126
Total charges [3], 1,000 dollars	27,166	26,688	36,863	26,609	28,616	43,094

[1] Ratio of fuel oil to coal based upon experience of various roads.
[2] Totals include equivalent of a small amount of miscellaneous fuel.
[3] Excludes labor cost of applying rails or ties. [4] Excludes 1,435 linear feet of steel ties.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 594.—Steam Railways—Stock Outstanding, Dividends, and Interest: 1891 to 1947

[For years ending June 30 prior to 1916, calendar years thereafter. Includes nonoperating as well as operating roads. Excludes switching and terminal roads beginning with 1908. Dividend figures throughout cover all classes of roads, but interest figure for 1913 excludes unimportant class III roads. Amount of stock shown in first column is exclusive of stock held by issuing company, but includes that held by other railway companies. See also *Historical Statistics*, series K 67, 80, and 81]

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dol.)
	Actually outstanding (1,000 dol.)	Paying dividends (1,000 dol.)	Percent paying dividends	Amount declared (1,000 dol.)	Percent on stock paying dividends	Percent 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
1911–1915	8,561,050	5,595,888	65.36	401,944	7.18	4.70	436,178
1916–1920	8,866,429	5,310,622	59.90	350,789	6.61	3.96	480,053
1921–1925	9,131,529	5,669,613	62.09	400,389	7.06	4.38	558,375
1926–1930	9,697,138	7,108,596	73.31	543,007	7.64	5.60	582,701
1931–1935	9,992,404	4,113,651	41.17	225,072	5.47	2.25	580,677
1936–1940	9,814,851	3,511,140	35.77	198,307	5.65	2.02	532,413
1941–1945	9,460,110	5,118,116	54.10	268,997	5.26	2.84	512,508
1941	9,498,962	3,861,658	40.65	239,438	6.20	2.52	543,954
1942	9,500,543	5,355,928	56.37	254,088	4.74	2.67	564,174
1943	9,429,323	5,466,566	57.97	263,919	4.83	2.83	515,617
1944	9,448,379	5,523,271	58.46	292,248	5.29	3.09	488,877
1945	9,423,342	5,383,158	57.13	295,294	5.49	3.13	449,917
1946	9,408,536	5,221,681	55.50	283,171	5.42	3.01	406,147
1947	9,225,219	5,184,182	56.20	280,397	5.41	3.04	374,150

No. 595.—Steam Railways—Securities Actually Outstanding: 1930 to 1947

[**All figures in thousands of dollars.** Capital actually outstanding represents securities in hands of public or of railway companies other than those issuing same; excludes securities held by or for issuing company. Excludes switching and terminal companies]

Security and year ending Dec. 31—	All railroads				Class I	Class II	Class III	Nonoperating subsidiaries
	All districts	Eastern district	Southern district	Western district				
Total:								
1930	22,782,889	9,128,919	3,658,575	9,995,395	19,006,276	349,079	64,814	3,362,720
1935	22,079,551	9,210,379	3,401,012	9,468,160	18,530,040	300,476	53,426	3,195,609
1940	21,047,280	8,910,221	3,344,555	8,792,504	17,761,161	237,786	44,147	3,004,186
1941	20,707,778	8,672,317	3,349,057	8,686,404	17,551,014	229,134	39,029	2,888,601
1942	20,471,191	8,643,736	3,243,102	8,584,353	17,368,326	225,853	34,902	2,842,110
1943	19,913,582	8,407,292	3,123,713	8,382,577	16,902,111	218,372	33,578	2,759,521
1944	19,402,593	8,239,475	3,025,482	8,137,636	16,480,870	208,611	28,836	2,684,276
1945	18,681,292	8,074,078	2,839,008	7,768,206	16,030,795	207,822	27,088	2,415,587
1946	18,449,437	8,026,132	2,834,629	7,588,676	15,928,644	200,968	25,131	2,294,694
1947	18,050,122	7,855,370	2,953,752	7,241,000	15,583,640	196,580	23,338	2,246,564
Stock:								
1930	10,011,538	4,290,108	1,461,628	4,259,802	8,267,129	207,556	45,068	1,491,785
1935	9,925,202	4,325,471	1,431,397	4,168,334	8,218,994	194,922	38,217	1,473,069
1940	9,769,974	4,364,337	1,441,969	3,963,668	8,159,960	162,720	31,765	1,415,529
1945	9,423,342	4,029,886	1,398,890	3,994,566	8,008,565	150,861	21,024	1,242,892
1946	9,408,536	4,019,613	1,392,027	3,996,896	8,036,390	146,411	19,954	1,205,781
1947	9,225,219	3,844,210	1,430,857	3,950,152	7,891,676	146,588	18,904	1,168,051
Funded debt:								
1930	12,771,351	4,838,811	2,196,947	5,735,593	10,739,147	141,523	19,746	1,870,935
1935	12,154,349	4,884,908	1,969,615	5,299,826	10,311,046	105,554	15,209	1,722,540
1940	11,277,306	4,545,884	1,902,586	4,828,836	9,601,201	75,066	12,382	1,588,657
1945	9,257,950	4,044,192	1,440,118	3,773,640	8,022,230	56,961	6,064	1,172,695
1946	9,040,901	4,006,519	1,442,602	3,591,780	7,892,254	54,557	5,177	1,088,913
1947	8,824,903	4,011,160	1,522,895	3,290,848	7,691,964	49,992	4,434	1,078,513
1947								
Common stock	7,250,031	3,300,003	1,211,182	2,738,846	6,039,679	135,752	18,596	1,056,004
Preferred stock	1,975,188	544,207	219,675	1,211,306	1,851,997	10,836	308	112,047
Mortgage bonds	7,297,036	3,284,051	1,266,118	2,746,867	6,197,766	41,314	4,387	1,053,569
Collateral trust bonds	296,850	201,502	17,370	77,978	287,915	2,065	----------	6,870
Unsecured bonds (debentures)	419,977	140,010	43,336	236,631	400,886	1,466	----------	17,625
Miscellaneous obligations	31,274	11,297	10,869	9,108	28,331	2,447	47	449
Equipment obligations	779,766	374,300	185,202	220,264	777,066	2,700	----------	----------

Source of tables 594 and 595: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 596.—Steam Railways (All Reporting Companies)—Capitalization and Capital Expenditures: 1890 to 1947

[All amounts except "per mile of road" in millions of dollars. Excludes switching and terminal companies beginning with 1910; their total capitalization in 1947 was $741,908,000. Includes both operating and nonoperating railways. Gross figures include considerable amounts of securities held by companies issuing them as well as larger amounts held by other railway companies. See also *Historical Statistics*, series K 62-66, 69, and 70]

YEAR	TOTAL CAPITALIZATION				HELD BY RAILROADS		NET CAPITALIZATION		CAPITAL EXPENDITURES FOR ADDITIONS AND BETTERMENTS	
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road (dollars)	Equipment	Roadway and structures
June 30:										
1890	8,984	3,803	606	4,575	964	443	7,577			
1900	11,491	4,522	1,323	5,646	1,470	473	9,548			
1910	18,417	6,710	1,403	10,304	2,555	1,486	14,376	62,819		
Dec. 31:										
1920	21,891	7,215	1,898	12,778	2,407	2,490	16,994	68,787		
1925	23,644	7,602	1,937	14,105	2,654	2,799	18,191	74,460	338,114	410,077
1930	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	328,269	544,339
1934	24,570	7,994	2,044	14,532	2,999	2,918	18,653	77,090	92,005	120,707
1935	24,247	7,987	2,036	14,224	3,022	2,883	18,342	76,389	79,335	108,967
1936	24,003	7,993	2,036	13,974	2,933	2,734	18,336	76,910	159,104	139,887
1937	24,123	8,064	2,050	14,009	3,045	2,759	18,319	77,280	322,877	186,916
1938	23,855	8,040	2,049	13,766	3,067	2,800	17,988	76,449	115,408	111,529
1939	23,609	8,025	2,050	13,534	3,084	2,827	17,698	75,701	133,388	128,641
1940	23,371	8,005	2,064	13,302	3,048	2,693	17,630	75,839	271,906	157,241
1941	22,952	7,832	1,980	13,140	2,808	2,576	17,568	76,139	367,568	175,453
1942	22,742	7,882	1,959	12,901	2,880	2,547	17,315	75,974	349,374	185,523
1943	22,149	7,842	1,936	12,371	2,857	2,537	16,755	74,162	255,981	198,301
1944	21,693	7,790	2,023	11,880	2,849	2,568	16,276	72,037	328,231	231,881
1945	20,891	7,743	2,004	11,144	2,739	2,485	15,667	69,654	314,779	248,201
1946	20,545	7,733	1,980	10,832	2,699	2,337	15,509	68,982	319,017	242,940
1947	20,173	7,539	2,003	10,631	2,540	2,332	15,301	68,161	565,901	208,788

Source: Capitalization: Interstate Commerce Commission; annual report, Statistics of Railways in United States. Capital expenditures: Association of American Railroads, Bureau of Railway Economics; Railroad Transportation.

No. 597.—Steam Railways—Investment, Income, and Dividends: 1910 to 1947

[All figures, except as indicated, in thousands of dollars. Excludes data for switching and terminal companies. Investment is as reported by carrier and should not be confused with tentative valuation fixed by Interstate Commerce Commission. See also *Historical Statistics*, series K 60, 61, and 77 for earlier data on investment and net operating income]

YEAR ENDING DEC. 31—	Investment book value [1]	Investment per mile of road	Depreciation reserve [2]	Net railway operating income	Return on investment	Other income [3]	Interest, rents, and other deductions [3]	Dividends declared [3]
		Dollars			*Percent*			
1910, June 30	[4] 14,557,816	64,382		805,097	5.53	222,915	511,417	351,202
1920	19,849,320	81,954	1,081,342	12,101	.06	(5)	[6] 640,516	275,348
1925	23,217,209	94,917	1,681,291	1,136,728	4.89	272,102	706,272	349,089
1930	26,051,000	105,661	2,360,767	874,154	3.36	361,196	716,730	511,259
1935	25,500,465	106,339	2,771,404	505,415	1.98	186,228	686,688	131,448
1936	25,432,388	106,783	2,809,063	675,600	2.66	182,821	693,479	175,332
1937	25,636,082	108,235	2,950,848	597,841	2.33	176,322	676,276	172,795
1938	25,595,739	108,871	3,044,972	376,865	1.47	156,841	660,298	85,329
1939	25,538,157	109,331	3,102,779	595,961	2.33	162,599	665,054	129,386
1940	25,646,014	110,449	3,095,237	690,554	2.69	170,794	670,257	166,506
1941	25,668,984	111,352	3,240,145	1,009,592	3.93	178,066	683,002	189,750
1942	25,888,351	113,364	3,561,570	1,499,364	5.80	184,245	737,185	206,118
1943	26,145,458	115,288	3,939,562	1,370,568	5.24	202,969	667,257	220,522
1944	26,631,654	117,771	4,382,604	1,113,153	4.18	213,082	640,423	249,592
1945	26,967,756	119,664	5,549,720	858,864	3.18	206,993	589,073	249,581
1946	27,277,974	121,074	5,800,975	624,868	2.29	211,983	548,819	237,605
1947	27,686,103	123,215	6,037,033	790,534	2.86	230,980	536,442	240,733

[1] Includes proprietary companies. Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale or abandonment, reclassification, etc.

[2] Amortization of defense projects included subsequent to 1940. [3] Excludes returns for lessor companies.

[4] Investment originally published is increased by $170,000,000, estimated reserve for accrued depreciation, to make figures comparable with those of other years.

[5] Figure not comparable on account of Federal control accounting requirements.

[6] Excludes returns for class II and class III companies.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 598.—Steam Railways—Revenues, Expenses, and Income: 1926 to 1947

[Method of calculating net revenue and net operating income is more fully shown in table 600. Excludes switching and terminal companies; operating revenues of switching and terminal companies: 1945, $148,583,000; 1946, $143,039,000; 1947, $188,560,000; operating expenses: 1945, $125,343,000; 1946, $120,500,000; 1947, $138,057,000. See also *Historical Statistics*, series K 71-79]

ITEM	ALL ROADS						
	1926–30, average	1931–35, average	1936–40, average	1941–45, average	1945	1946	1947
Average miles of line (first track) operated	259,646	257,098	249,100	241,723	239,832	239,077	238,975
Income account items ($1,000):							
Operating revenues	6,139,269	3,473,819	4,071,163	8,122,360	8,986,954	7,709,171	8,784,214
Per mile of line (dollars)	23,645	13,512	16,343	33,602	37,472	32,246	36,758
Operating expenses	4,502,029	2,622,222	2,998,447	5,507,771	7,115,390	6,422,494	6,869,806
Percent of revenue	73.33	75.49	73.65	67.81	79.17	83.31	78.21
Net revenue from operations	1,637,240	851,597	1,072,716	2,614,589	1,871,564	1,286,677	1,914,408
Per mile of line (dollars)	6,306	3,312	4,306	10,816	7,804	5,382	8,011
Tax accruals	386,732	265,137	353,335	1,265,554	835,434	506,480	949,273
Net railway operating income	1,125,224	460,435	587,364	1,170,308	858,864	624,868	790,534

ITEM	CLASS I							
	Total		Eastern district		Southern district		Western district	
	1946	1947	1946	1947	1946	1947	1946	1947
Average miles of line (first track) operated	227,764	227,927	56,024	54,570	43,278	45,755	128,462	127,602
Income account items ($1,000):								
Operating revenues	7,627,651	8,684,918	3,029,150	3,442,436	1,435,553	1,695,494	3,162,948	3,546,988
Per mile of line (dollars)	33,489	38,104	54,069	63,083	33,171	37,056	24,622	27,797
Operating expenses	6,357,415	6,797,265	2,658,284	2,839,429	1,149,020	1,300,484	2,550,111	2,657,352
Percent of revenue	83.35	78.27	87.76	82.48	80.04	76.70	80.62	74.92
Net revenue from operations	1,270,236	1,887,653	370,866	603,007	286,533	395,010	612,837	889,636
Per mile of line (dollars)	5,577	8,282	6,620	11,050	6,621	8,633	4,771	6,972
Tax accruals	498,144	936,395	151,704	304,980	133,936	210,489	212,504	420,926
Net railway operating income	620,120	780,694	147,010	217,543	155,050	189,581	318,060	373,570

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 599.—Steam Railways—Receiverships and Trusteeships: 1884 to 1947

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 long-term debt (1,000 dollars)		Number	Mileage operated	Number	Miles	Stocks and long-term debt (1,000 dollars) [2]
1884			37	11,038	714,755	1936 [3]	91	69,712	10	1,874	190,806
1885			44	8,836	385,460	1937 [3]	109	70,884	26	1,963	207,975
1890			26	2,963	105,007	1938 [3]	109	76,938	9	6,997	730,287
1895	169	37,856	31	4,089	369,075	1939 [3]	108	77,013	3	734	78,869
1900	52	4,178	16	1,165	78,234	1940 [3]	103	75,270	1	24	33
1905	26	796	10	3,593	176,321	1941 [3]	91	69,859	1	[4] 25	250
1910	39	5,257	7	735	51,428	1942 [3]	87	66,904	4	[4] 974	83,329
1915	85	30,223	12	20,143	1,070,809	1943 [3]	82	64,758	2	[4] 14	5,522
1920	61	16,290	10	541	21,620	1944 [3]	76	50,497	3	[4] 22	3,854
1925	53	18,687	6	11,368	680,422	1945 [3]	72	39,714	1	[4] 96	7,012
1930	30	9,486	4	4,752	277,324	1946 [3]	65	34,389			
1935 [3]	87	68,345	13	27,124	2,168,871	1947 [3]	52	22,750	2	[4] 31	425

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter.
[2] Beginning 1936, includes receivers and trustees certificates and nonnegotiable debt to affiliated companies
[3] Includes roads under trusteeship.
[4] Owned mileage for recent years as follows: 1941, 25; 1942, 709; 1943, 171; 1944, 98; 1945, 118; 1947, 365.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States for fir. 2 columns and all data beginning with 1933; The Railway Age, Chicago, for other data.

No. 600.—Steam Railways (Class I)—Income Account of Operating Roads: 1926 to 1947

[**In thousands of dollars.** Excludes switching and terminal companies. Beginning 1936, rail line and water line transportation combined in the several accounts; water line transportation included in "All other" in prior years]

ITEM	1926–30, average	1931–35, average	1936–40, average	1941–45, average	1945	1946	1947
Revenues	6,038,339	3,426,801	4,015,180	8,041,257	8,902,248	7,627,651	8,684,918
Freight	4,600,341	2,719,977	3,266,554	6,141,351	6,533,767	5,786,556	7,041,185
Passenger	903,748	391,826	419,049	1,340,485	1,716,379	1,259,169	963,322
Mail	111,887	95,530	97,924	120,887	129,571	129,001	170,182
Express	139,570	57,948	55,433	113,958	143,969	92,763	115,836
All other transportation	136,665	81,230	83,902	118,078	127,369	122,833	135,815
All other	146,128	80,291	92,318	206,498	251,193	237,329	258,578
Expenses	4,421,699	2,582,163	2,956,063	5,451,293	7,051,627	6,357,415	6,797,264
Maintenance, way, etc.	826,826	392,669	466,882	1,036,465	1,411,304	1,150,241	1,212,096
Maintenance, equipment	1,178,252	670,879	774,225	1,475,776	2,147,406	1,468,758	1,558,010
Traffic	123,608	96,544	104,492	127,962	144,133	164,749	176,311
Transportation	2,054,865	1,235,538	1,439,204	2,538,462	3,015,571	3,212,292	3,476,434
All other	238,148	186,533	171,260	272,628	333,213	361,375	374,413
Net revenue from railway operations	1,616,640	844,638	1,059,117	2,589,964	1,850,621	1,270,236	1,887,654
Deduct—							
Tax accruals	379,941	260,971	347,655	1,252,963	823,512	498,144	936,395
Uncollectible revenues	1,427	1,099	(1)	(1)	(1)	(1)	(1)
Equipment rents	91,786	88,963	95,338	134,979	131,354	113,333	128,664
Joint facility rents	28,583	35,866	35,847	41,819	43,608	38,639	41,901
Net railway operating income	1,114,903	457,739	580,277	1,160,203	852,147	620,120	780,694
Net income or deficit after charges	737,898	[2] *8,931*	84,250	678,516	450,434	287,139	478,875

ITEM	EASTERN DISTRICT			SOUTHERN DISTRICT			WESTERN DISTRICT		
	1945	1946	1947	1945	1946	1947	1945	1946	1947
Revenues	3,355,902	3,029,150	3,442,436	1,639,384	1,435,553	1,695,494	3,906,962	3,162,948	3,546,988
Freight	2,404,531	2,228,798	2,684,992	1,229,032	1,147,734	1,429,810	2,900,204	2,410,024	2,926,383
Passenger	704,242	578,938	487,814	314,384	203,990	150,314	697,753	476,241	325,194
Mail	44,333	45,655	61,504	22,347	22,262	30,390	62,891	61,084	78,288
Express	39,228	9,382	33,772	20,638	14,784	20,212	84,103	68,597	61,852
All other transportation	53,199	55,675	58,980	17,272	14,909	18,054	56,898	52,249	58,781
All other	110,369	110,702	115,374	35,711	31,874	46,714	105,113	94,753	96,490
Expenses	2,836,908	2,658,284	2,839,429	1,278,643	1,149,020	1,300,484	2,936,076	2,550,111	2,657,351
Maintenance, way, etc.	501,045	426,541	447,361	256,712	231,297	257,586	653,547	492,403	507,149
Maintenance, equipment	839,516	629,054	671,231	428,629	269,436	306,965	879,261	570,208	579,814
Traffic	51,471	60,074	61,645	26,999	30,962	36,894	65,663	73,713	77,772
Transportation	1,313,948	1,401,384	1,515,211	506,556	554,426	628,440	1,195,067	1,256,482	1,332,783
All other	130,928	141,231	143,981	59,747	62,899	70,599	142,538	157,245	159,833
Net revenue from railway operations	518,994	370,866	603,007	360,741	286,533	395,010	970,886	612,837	889,637
Deduct—									
Tax accruals	152,617	151,704	304,980	188,577	133,936	210,489	482,318	212,504	420,926
Equipment rents	55,953	52,371	60,057	[2] *5,803*	[2] 7,*148*	[2] *11,060*	79,204	68,110	79,667
Joint facility rents	21,685	19,781	20,427	4,936	4,695	6,000	16,987	14,163	15,474
Net railway operating income	288,739	147,010	217,543	171,031	155,050	189,581	392,377	318,060	373,570
Net income or deficit after charges	118,148	[2] 477	81,805	95,694	93,814	134,565	236,591	193,801	262,505

[1] Account eliminated. [2] Deficit.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 601.—Steam Railways (Class I)—Railway Tax Accruals, by States: 1930 to 1947

[Excludes switching and terminal companies and includes nonoperating subsidiaries. Total railroad taxes, Federal and State in 1947, by classes; were as follows: Class I and subsidiaries, $938,377,309 (including $1,826,307 Canadian, $734,886 Mexican, $107 Cuban, and $4 Great Britain taxes); class II and subsidiaries, $11,320,064; class III and subsidiaries, $1,552,924; switching and terminal companies, $36,919,570; grand total, $988,169,867]

STATE	AMOUNT (THOUSANDS OF DOLLARS)						PER MILE OF LINE (DOLLARS)			
	1930	1935	1940	1945	1946	1947	1940	1945	1946	1947
Total	349,207	238,372	397,391	822,868	497,838	935,815	1,809	3,834	2,320	4,367
U. S. Government taxes	40,986	26,796	183,546	551,004	243,831	655,849	836	2,568	1,136	--------
New England:										
Maine	1,908	1,232	1,161	1,795	1,621	1,694	636	1,001	903	943
New Hampshire	1,125	718	538	523	526	560	550	565	568	605
Vermont	407	413	288	286	285	286	361	402	402	403
Massachusetts	4,709	3,964	3,832	4,414	3,920	4,657	2,147	2,574	2,302	2,725
Rhode Island	687	664	635	798	778	775	3,567	4,585	4,474	4,451
Connecticut	1,672	711	946	1,416	1,223	1,208	1,071	1,626	1,404	1,490
Middle Atlantic:										
New York	27,378	23,685	24,156	29,878	30,136	31,277	3,276	4,070	4,114	4,316
New Jersey	20,442	17,520	19,793	30,901	13,378	14,724	10,395	16,767	7,259	8,006
Pennsylvania	12,440	9,342	10,754	9,378	7,391	11,222	1,098	986	780	1,196
South Atlantic:										
Delaware	166	151	150	154	156	168	509	522	527	569
Dist. of Columbia	144	138	224	253	254	289	6,410	7,429	7,475	8,490
Maryland	2,076	1,748	2,110	3,523	3,418	3,765	1,879	3,179	3,085	3,401
Virginia	7,318	5,192	5,500	7,811	7,553	7,380	1,358	1,999	1,949	1,897
West Virginia	8,109	8,229	8,096	7,870	8,355	8,145	2,288	2,273	2,412	2,349
North Carolina	5,392	3,696	4,110	4,907	3,745	3,854	1,131	1,362	1,040	1,069
South Carolina	3,489	2,396	1,937	2,548	1,611	1,776	629	845	534	589
Georgia	3,966	2,434	2,519	3,146	3,891	4,397	472	593	749	846
Florida	4,964	3,039	2,132	3,046	3,435	3,907	445	731	748	860
East North Central:										
Ohio	19,928	10,452	11,063	12,722	12,843	13,898	1,320	1,534	1,548	1,676
Indiana	13,852	6,520	6,278	7,488	8,903	9,862	946	1,141	1,357	1,504
Illinois	22,084	13,610	12,900	19,040	17,163	18,965	1,103	1,640	1,479	1,639
Michigan	10,816	5,346	5,035	5,538	5,054	5,649	742	853	785	877
Wisconsin	7,201	4,921	4,455	4,581	4,879	5,206	683	728	776	830
West North Central:										
Minnesota	6,778	4,291	6,529	9,871	9,687	11,037	815	1,210	1,187	1,349
Iowa	8,026	3,804	2,986	3,388	3,952	4,485	334	386	451	511
Missouri	4,284	3,336	2,757	2,900	3,266	3,918	399	424	480	576
North Dakota	4,110	2,114	2,559	2,954	2,984	3,427	499	568	574	660
South Dakota	2,696	2,191	1,063	1,115	1,250	1,456	267	282	317	369
Nebraska	4,622	3,060	2,978	3,689	3,901	4,846	493	634	670	833
Kansas	8,871	6,232	5,327	6,322	6,546	8,494	623	750	777	1,008
East South Central:										
Kentucky	5,373	3,552	5,048	5,380	9,466	6,353	1,411	1,553	2,723	1,833
Tennessee	3,629	2,558	2,841	5,784	5,827	6,666	844	1,767	1,782	2,039
Alabama	3,681	2,378	2,736	3,592	3,344	3,590	611	819	762	816
Mississippi	5,047	2,937	3,079	3,962	3,327	3,698	840	1,110	984	1,039
West South Central:										
Louisiana	5,098	4,087	3,854	4,318	4,123	4,384	1,001	1,169	1,120	1,196
Texas	7,614	5,487	5,250	5,562	5,274	6,338	359	388	369	443
Oklahoma	6,468	3,667	3,723	4,277	4,021	4,771	603	726	682	810
Arkansas	3,025	2,290	2,038	2,880	2,874	2,522	497	722	727	638
Mountain:										
Montana	5,178	4,460	4,068	4,058	4,487	5,746	809	815	901	1,154
Wyoming	1,970	1,671	1,715	1,970	2,037	2,337	925	1,110	1,148	1,316
Colorado	4,271	3,363	3,021	4,026	4,143	4,867	748	1,009	1,039	1,227
New Mexico	2,785	1,883	1,758	2,019	1,859	2,215	651	824	758	915
Arizona	3,100	3,055	2,597	3,154	2,140	4,199	1,276	1,554	1,055	2,072
Utah	2,404	2,243	2,309	2,956	2,848	3,381	1,135	1,605	1,561	1,867
Nevada	1,970	1,756	1,813	1,819	1,951	2,070	1,073	1,229	1,318	1,3
Idaho	3,244	2,516	2,524	2,949	3,291	3,610	942	1,111	1,240	[illegible]
Pacific:										
Washington	7,430	3,882	3,346	4,734	5,076	5,631	684	952	1,020	
Oregon	3,064	2,413	2,297	2,673	3,219	3,604	767	901	1,085	
California	13,210	6,229	7,047	13,496	12,596	12,567	1,018	2,023	1,893	

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 602.—Steam-Railway Freight Service—Summary Statistics: 1926 to 1947

[Excludes switching and terminal roads except as noted. Tons of 2,000 pounds. See also *Historical Statistics*, series K 43–52]

ITEM	ALL ROADS						
	1926–1930, average	1931–1935, average	1936–1940, average	1941–1945, average	1945	1946	1947
Freight revenue, rail line ($1,000)	4,690,122	2,763,961	3,313,398	6,221,235	6,617,213	5,866,351	7,140,881
Per train-mile [1] [2]	$7.67	$6.46	$6.95	$9.29	$10.02	$9.80	$11.43
Per loaded car-mile (cents) [1] [2]	26.4	23.5	23.6	27.9	28.9	28.6	32.9
Revenue tons originated (1,000)	1,364,607	798,205	986,094	1,481,798	1,493,314	1,431,936	1,613,148
Total revenue tons carried (1,000)	2,481,018	1,437,728	1,778,746	2,925,421	2,961,789	2,734,818	3,039,365
Tons carried 1 mile:							
Revenue freight (millions)	430,310	270,192	341,322	654,687	684,148	594,943	657,878
Revenue and nonrevenue (millions)							
Revenue ton-miles per mile of road	1,657,434	1,051,083	1,370,519	2,711,448	2,852,615	2,488,499	2,752,915
Revenue per ton-mile (cents) [3]	1.090	1.023	.971	.950	.967	.986	1.085
Freight-train miles (1,000) [1]	586,389	396,917	478,402	666,694	661,341	599,165	625,104
Freight-train car-miles: [1]							
Loaded (revenue and nonrevenue) (1,000)	17,357,165	11,419,604	13,882,934	21,969,322	22,669,137	20,340,175	21,490,484
Empty (1,000)	10,330,175	7,283,037	8,371,016	11,938,016	11,136,973	10,016,300	10,860,301
Average miles per car per day [4]				46.2	46.5	42.4	45.7
Revenue ton-miles:							
Per train-mile	700	625	713	977	1,034	993	1,052
Per loaded car-mile [5]	24.5	23.2	24.6	29.7	30.2	29.2	30.6
Haul per ton:							
U. S. as a system (miles)	315.34	339.12	346.13	439.36	458.14	415.48	407.32
Individual railway (miles)	173.44	187.93	191.89	222.44	230.21	217.54	216.45
Revenue per ton:							
U. S. as a system	$3.44	$3.46	$3.36	$4.20	$4.43	$4.10	$4.43
Individual railway	$1.89	$1.92	$1.86	$2.13	$2.23	$2.15	$2.35

ITEM	CLASS I							
	Total		Eastern district		Southern district		Western district	
	1946	1947	1946	1947	1946	1947	1946	1947
Freight revenue, rail line ($1,000)	5,786,556	7,041,185	2,228,798	2,684,992	1,147,734	1,429,810	2,410,024	2,926,383
Per train-mile [1] [3]	$9.80	$11.43	$11.68	$13.61	$8.88	$10.51	$8.92	$10.35
Per loaded car-mile (cents) [1] [2]	28.6	32.9	31.6	37.0	28.6	32.6	26.3	30.0
Revenue tons originated (1,000)	1,366,617	1,537,546	553,220	606,026	340,656	399,472	472,741	532,048
Total revenue tons carried (1,000)	2,602,186	2,888,589	1,252,985	1,359,533	557,690	653,868	791,511	875,188
Tons carried 1 mile:								
Revenue freight (millions)	591,982	654,728	215,388	231,361	130,446	151,849	246,148	271,518
Revenue and nonrevenue (millions)	632,558	696,643	227,279	243,328	139,004	160,942	266,275	292,373
Revenue ton-miles per mile of road	2,596,647	2,869,909	3,835,313	4,232,039	3,014,141	3,315,735	1,915,796	2,127,520
Revenue per ton-mile (cents) [3]	.978	1.076	1.036	1.162	.880	.942	.979	1.078
Freight-train miles (1,000) [1]	590,413	616,071	190,857	197,261	129,228	136,002	270,328	282,808
Freight-train car miles: [1]								
Loaded (revenue and nonrevenue) (1,000)	20,249,139	21,395,870	7,060,991	7,256,897	4,016,817	4,392,181	9,171,331	9,746,792
Empty (1,000)	9,962,515	10,805,463	3,532,253	3,622,211	2,091,353	2,390,267	4,338,909	4,792,985
Average miles per car per day [4]	42.4	45.7	33.2	34.9	47.0	51.3	51.5	55.6
Revenue ton-miles:								
Per train-mile	1,016	1,076	1,147	1,194	1,022	1,128	920	970
Per loaded car-mile [5]	31.2	32.6	32.2	33.5	34.6	36.6	29.0	30.0
Haul per ton:								
U. S. as a system (miles)	433.2	425.8	389.3	381.8	382.9	380.1	520.7	510.3
Individual railway (miles)	227.5	226.7	171.9	170.2	233.9	232.2	311.0	310.2
Revenue per ton:								
U. S. as a system	$4.23	$4.58	$4.03	$4.43	$3.37	$3.58	$5.63	$5.50
Individual railway	$2.22	$2.44	$1.78	$1.97	$2.06	$2.19	$3.04	$3.34

[1] 1935 and prior years not strictly comparable with subsequent years due to change in train classifications.
[2] Class I roads only.
[3] Based on freight revenue from rail-line operations.
[4] Includes switching and terminal companies.
[5] Obtained by dividing revenue ton-miles by total loaded car miles.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 603.—Steam Railways—Passengers Carried and Passenger Revenue: 1926 to 1947

[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. See also *Historical Statistics*, series K 39-42]

ITEM	ALL ROADS						
	1926–30, average	1931–35, average	1936–40, average	1941–45, average	1945	1946	1947
Passengers carried (thousands)	801,503	483,006	471,362	772,393	897,384	794,824	706,551
Passengers carried 1 mile (millions)	31,846	18,375	23,068	71,713	91,826	64,754	45,972
Average journey per passenger (miles)	39.73	38.04	48.94	92.85	102.33	81.47	65.07
Passenger train-miles (thousands) [1]	569,310	410,509	403,715	453,217	484,444	451,135	417,500
Passenger train car-miles (thousands) [1]	3,818,089	2,745,969	2,992,350	4,167,194	4,758,828	4,324,969	3,818,297
Passenger revenue ($1,000)	908,341	392,869	419,760	1,342,958	1,719,316	1,261,416	965,005
Passenger service train revenue per train-mile [1 2]	2.15	1.38	1.49	3.58	4.23	3.39	3.09
Revenue per passenger per mile (cents)	2.85	2.14	1.82	1.87	1.87	1.95	2.10
Average passengers per train [1]	56	45	57	158	190	144	110

ITEM	CLASS I							
	Total		Eastern district		Southern district		Western district	
	1946	1947	1946	1947	1946	1947	1946	1947
Passengers carried (thousands)	790,130	703,280	562,698	513,292	101,568	86,326	125,864	103,662
Passengers carried 1 mile (millions)	64,673	45,921	28,755	22,888	10,067	7,086	25,851	15,947
Average journey per passenger (miles)	81.90	65.29	51.10	44.59	99.10	82.09	205.40	153.84
Passenger train-miles (thousands) [1]	448,247	414,909	180,544	170,679	73,261	73,021	194,442	171,209
Passenger train car-miles (thousands) [1]	4,316,984	3,811,674	1,643,143	1,525,876	714,587	685,796	1,959,254	1,600,002
Passenger revenue ($1,000)	1,259,169	963,322	578,938	487,814	203,990	150,314	476,241	325,194
Passenger service train revenue per train-mile [1]	3.39	3.09	3.63	3.51	3.34	2.79	3.18	2.78
Revenue per passenger per mile (cents)	1.95	2.10	2.01	2.13	2.03	2.12	1.84	2.04
Average passengers per train [1]	144	111	159	134	137	97	133	93

[1] 1935 and prior years not strictly comparable with subsequent years due to change in train classification.
[2] Data available for class I roads only.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 604.—Steam Railways (Class I)—Operating Revenues, Freight and Passenger Revenue, and Freight Ton-Miles, by Months

[Except at times of general revisions in freight rates, changes in freight revenue closely parallel those of ton-mileage. Excludes 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)												
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
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
1935	287.5	264.2	254.9	280.9	274.7	279.5	281.3	275.3	294.0	306.9	341.0	301.3	296.1
1940	358.2	345.6	313.6	327.1	321.6	343.5	345.0	366.2	381.5	382.7	413.7	375.5	381.9
1941	445.6	377.4	358.4	416.3	375.0	442.3	455.0	485.4	493.7	489.0	517.6	457.0	479.6
1942	622.2	480.7	462.5	540.3	572.5	601.1	623.7	665.2	683.8	697.8	745.6	690.1	703.0
1943	754.5	671.3	663.5	756.2	748.7	759.3	747.3	791.1	800.2	776.5	796.2	762.0	781.7
1944	786.4	740.7	735.3	797.0	759.5	804.1	799.5	809.0	836.2	799.2	818.7	780.7	756.9
1945	741.6	750.9	712.8	812.9	778.6	822.6	819.9	795.7	754.9	678.9	697.0	661.2	613.7
1946	635.6	641.0	579.1	646.2	566.6	532.6	612.0	674.1	710.3	660.4	710.0	658.2	637
1947	724.0	685.6	636.2	718.7	690.3	725.4	697.8	706.0	746.0	727.1	794.8	755.9	80
1948	806.0	750.7	715.9	776.6	729.0	796.4	838.1	842.0	868.1	844.8	878.1	825.3	c
	FREIGHT REVENUE (millions of dollars)												
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	2
1935	233.0	211.5	206.5	229.2	222.6	224.9	225.8	221.1	235.7	250.6	285.4	248.7	234
1940	294.8	283.1	257.7	266.7	265.3	284.7	280.7	300.7	310.7	316.1	348.2	315.2	308.4
1945	544.2	558.4	536.8	622.8	593.9	626.0	610.7	589.2	547.3	488.3	492.3	463.7	401.2
1946	482.3	453.5	421.2	483.9	411.8	399.3	458.5	513.3	546.2	515.6	567.0	522.9	493.9
1947	586.9	551.1	518.7	592.3	565.0	591.9	557.1	558.2	597.0	593.3	664.9	625.4	627.9
1948	664.7	613.4	590.0	642.3	601.4	667.0	690.8	685.4	711.4	696.8	738.6	691.2	648.0

No. 604.—Steam Railways (Class I)—Operating Revenues, Freight and Passenger Revenue, and Freight Ton-Miles, by Months—Continued

YEAR	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	PASSENGER REVENUE (millions of dollars)												
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
1935	29.8	30.5	27.3	27.7	27.2	27.1	31.0	31.6	33.9	30.8	28.6	27.8	34.4
1940	34.8	36.1	31.9	33.3	30.0	29.7	35.9	37.7	41.0	36.1	33.5	31.2	40.8
1945	143.0	139.2	125.9	133.6	129.2	138.9	152.2	150.7	153.3	140.1	146.5	145.6	161.1
1946	104.9	137.6	114.7	114.6	106.1	92.2	106.6	112.4	112.1	95.4	89.3	85.5	92.7
1947	80.3	82.5	70.8	71.4	70.4	77.4	84.8	93.6	94.0	80.4	75.0	73.7	89.5
1948	80.4	80.9	72.1	74.4	69.5	71.8	84.3	95.1	92.5	83.6	75.3	74.2	90.7
	FREIGHT TON-MILES (millions) [1]												
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
1935	26,031	24,967	24,124	27,598	23,340	24,672	25,951	23,174	25,938	27,731	31,218	27,482	26,179
1940	33,820	32,518	29,662	31,118	29,909	33,081	32,900	33,716	36,406	37,060	38,614	35,955	34,903
1945	60,504	60,676	58,924	68,224	65,215	68,631	66,558	64,696	60,487	56,078	53,260	53,453	49,844
1946	52,714	52,076	48,738	56,517	39,814	42,407	53,557	55,197	59,443	56,434	60,827	54,860	52,704
1947	58,069	56,994	51,848	60,026	53,938	60,014	56,654	54,674	61,663	59,422	64,612	59,656	57,332
1948	56,602	55,125	53,579	52,466	49,902	60,250	58,231	57,995	61,253	58,815	62,900	56,162	52,541

[1] Revenue and nonrevenue.

Source: Interstate Commerce Commission; monthly reports, Operating Revenues and Operating Expenses of Class I Steam Railways and Operating Statistics of Class I Steam Railways.

No. 605.—Steam Railways (Class I)—Revenue Freight Originated, By Commodity Groups: 1926 to 1947

[**In thousands of tons of 2,000 pounds.** Excludes switching and terminal roads. Excludes nonrevenue freight; this is a large item in the case of a few commodities, notably coal. See also *Historical Statistics*, series K 52-59]

ITEM	1926–30, average	1931–35, average	1936–40, average	1941–45, average	1945	1946	1947
Total	**1,279,197**	**758,855**	**931,474**	**1,409,293**	**1,424,913**	**1,366,617**	**1,537,546**
Products of agriculture	113,844	83,150	90,377	134,344	159,571	149,941	153,168
Animals and their products	25,183	18,565	15,341	21,905	23,748	21,587	19,716
Products of mines:							
Coal and coke	447,293	312,273	345,521	477,837	485,109	467,645	543,012
Other	262,328	115,869	171,925	283,030	247,832	250,161	304,795
Products of forests	93,033	36,086	52,833	79,269	75,604	84,817	87,027
Manufactures and miscellaneous	301,396	176,763	239,989	393,793	412,216	368,079	402,267
All less than carload	36,119	16,149	15,488	19,107	20,833	24,387	22,561

ITEM	EASTERN DISTRICT		SOUTHERN DISTRICT		WESTERN DISTRICT	
	1946	1947	1946	1947	1946	1947
Total	**553,220**	**606,026**	**340,656**	**399,472**	**472,741**	**532,048**
Products of agriculture	28,537	26,482	18,046	18,526	103,358	113,160
Animals and their products	5,216	4,446	1,978	2,270	14,393	13,000
Products of mines:						
Coal and coke	245,136	276,074	176,389	213,835	46,120	53,103
Other	60,050	67,468	49,377	61,644	140,734	175,683
Products of forests	6,811	6,096	32,577	32,132	45,420	48,799
Manufactures and miscellaneous	194,930	214,015	57,599	66,391	115,550	121,861
All less than carload	12,540	11,445	4,690	4,674	7,157	6,442

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 606.—Steam Railways (Class I)—Number of Cars of Revenue Freight Loaded, by Principal Commodities: 1925 to 1948

[In thousands. Figures are 52-week totals]

YEAR	Total	Grain and grain products	Live-stock	Coal	Coke	Forest products	Ore	Miscel-laneous	Mdse., less than carload
1925	51,224	2,306	1,636	8,905	623	3,737	2,012	18,813	13,193
1930	45,878	2,265	1,285	7,927	488	2,369	1,662	17,681	12,201
1931	37,151	2,024	1,162	6,493	325	1,471	875	13,852	10,949
1932	28,180	1,653	949	5,339	224	899	210	9,835	9,070
1933	29,220	1,660	887	5,695	298	1,101	743	10,390	8,446
1934	30,846	1,646	1,074	6,135	333	1,149	793	11,474	8,241
1935	31,504	1,577	714	6,145	340	1,384	1,036	12,227	8,081
1936	36,109	1,805	759	6,937	480	1,683	1,623	14,546	8,276
1937	37,670	1,789	722	6,977	508	1,828	2,208	15,174	8,466
1938	30,457	1,967	703	5,541	275	1,418	846	12,026	7,682
1939	33,911	1,940	694	6,083	414	1,584	1,615	13,751	7,831
1940	36,358	1,835	685	6,820	549	1,800	2,148	14,842	7,679
1941	42,352	2,028	651	7,606	679	2,190	2,683	18,476	8,040
1942	42,771	2,185	745	8,356	732	2,445	3,016	19,755	5,537
1943	42,440	2,648	838	8,507	752	2,229	2,816	19,571	5,080
1944	43,408	2,521	892	8,890	751	2,271	2,649	20,007	5,428
1945	41,918	2,734	894	8,296	695	2,039	2,474	19,258	5,529
1946	41,341	2,497	925	8,004	587	2,263	1,996	18,744	6,325
1947	44,502	2,726	770	9,088	732	2,415	2,651	20,049	6,071
1948 (prel.)	42,834	2,467	631	8,730	736	2,359	2,781	19,672	5,458

Source: Association of American Railroads, Car Service Division, Washington, D. C.; annual summary, Cars of Revenue Freight Loaded. Weekly reports are published currently.

No. 607.—Steam Railways—Number and Compensation of Employees: 1920 to 1947

[Excludes switching and terminal companies. See also *Historical Statistics*, series K 82-83]

YEAR	ALL OPERATING CARRIERS		CLASS I CARRIERS					
	Average number of em-ployees	Total yearly compensa-tion (1,000 dollars)	Average number of em-ployees	Total hours (thou-sands)	Total yearly compen-sation (1,000 dollars)	Average hours per em-ployee	Average com-pensation	
							Per hour [1]	Per year
1920	2,075,886	3,754,281	2,022,832	5,446,741	3,681,801	2,692.6	$0.676	$1,820
1925	1,786,411	2,916,193	1,744,311	4,531,361	2,860,600	2,597.8	.631	1,640
1930	1,517,043	2,588,598	1,487,839	3,759,772	2,550,789	2,527.0	.678	1,714
1931	1,282,825	2,124,784	1,258,719	3,039,110	2,094,994	2,414.4	.689	1,664
1932	1,052,285	1,535,066	1,031,703	2,378,206	1,512,816	2,305.1	.636	1,466
1933	990,839	1,424,392	971,196	2,233,045	1,403,841	2,299.3	.629	1,445
1934	1,027,426	1,541,313	1,007,702	2,393,899	1,519,352	2,375.6	.635	1,508
1935	1,013,654	1,666,229	994,371	2,397,353	1,643,879	2,410.9	.686	1,653
1936	1,086,405	1,873,819	1,065,624	2,675,345	1,848,636	2,510.6	.691	1,735
1937	1,136,912	2,013,677	1,114,663	2,799,539	1,985,447	2,511.6	.709	1,781
1938	958,280	1,771,083	939,171	2,329,606	1,746,141	2,480.5	.750	1,859
1939	1,006,711	1,889,130	987,675	2,488,635	1,863,334	2,519.7	.749	1,887
1940	1,045,738	1,990,631	1,026,848	2,615,905	1,964,125	2,547.5	.751	1,913
1941	1,159,025	2,360,369	1,139,925	2,989,788	2,331,650	2,622.8	.780	2,045
1942	1,290,818	2,966,062	1,270,687	3,440,957	2,932,070	2,708.0	.852	2,307
1943	1,374,518	3,556,189	1,355,114	3,816,420	3,520,926	2,816.3	.923	2,598
1944	1,434,167	3,897,755	1,414,776	3,996,873	3,857,957	2,825.1	.965	2,727
1945	1,438,545	3,900,928	1,419,505	3,979,637	3,862,001	2,803.5	.970	2,721
1946	1,377,700	4,213,530	1,359,263	3,632,338	4,170,767	2,672.3	1.148	3,068
1947	1,370,510	4,399,296	1,351,863	3,613,296	4,352,047	2,672.8	1.204	3,219

[1] Calculated for all classes of employees, including those not paid on an hourly basis.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 608.—Steam Railways (Class I)—Number and Compensation of Employees, by Districts and by Class: 1946 and 1947

[For years ending Dec. 31. Includes class I switching and terminal companies]

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per day or hour, straight time		Average per month, total compensation	
	1946	1947	1946	1947	1946	1947	1946	1947
DISTRICT								
All employees, all districts	1,403,000	1,397,407	4,309,654	4,502,182				
Daily basis	98,655	98,668	410,823	431,036	$12.69	$13.37	$347	$364
Hourly basis	1,304,345	1,298,739	3,898,831	4,071,146	1.070	1.127	249	261
Eastern district	588,862	583,093	1,825,240	1,901,825				
Daily basis	43,183	42,439	175,586	181,266	12.50	13.17	339	356
Hourly basis	545,679	540,654	1,649,654	1,720,559	1.102	1.159	252	265
Southern district	259,083	274,236	759,285	853,566				
Daily basis	17,255	18,658	74,699	85,264	13.12	13.86	361	381
Hourly basis	241,828	255,578	684,586	768,302	1.026	1.088	236	251
Western district	555,055	540,078	1,725,129	1,746,791				
Daily basis	38,217	37,571	160,538	164,506	12.72	13.35	350	365
Hourly basis	516,838	502,507	1,564,591	1,582,285	1.058	1.114	252	262
CLASS								
Executives, officials, and staff assistants	15,566	15,745	107,955	113,519				
Daily basis	15,566	15,745	107,955	113,519	21.69	22.51	578	601
Professional, clerical, and general	234,122	231,452	695,400	719,018				
Daily basis	42,587	42,465	154,829	161,977	11.51	12.10	303	318
Hourly basis	191,535	188,987	540,571	557,041	1.070	1.133	235	246
Maintenance of way and structures	270,527	269,872	622,032	662,479				
Daily basis	4,596	4,595	19,084	19,964	12.83	13.44	346	362
Hourly basis	265,931	265,277	602,948	642,515	.894	.956	189	202
Maintenance of equipment and stores	382,146	381,524	1,139,381	1,198,361				
Daily basis	11,900	11,950	51,917	54,449	12.70	13.30	364	380
Hourly basis	370,246	369,574	1,087,464	1,143,912	1.079	1.143	245	258
Transportation (other than train service, engine, and yard)	184,250	178,809	511,005	518,079				
Daily basis	17,442	17,247	46,333	48,523	7.43	7.99	221	234
Hourly basis	166,808	161,562	464,672	469,556	.987	1.053	232	242
Transportation (yardmasters, switch tenders, and hostlers)	18,462	18,394	72,233	74,435				
Daily basis	6,564	6,666	30,705	32,604	12.91	13.55	390	408
Hourly basis	11,898	11,728	41,528	41,831	1.119	1.140	291	297
Transportation (train and engine service)	297,927	301,611	1,161,648	1,216,291				
Hourly basis	297,927	301,611	1,161,648	1,216,291	1.282	1.307	325	336

Source: Interstate Commerce Commission; annual report, Wage Statistics of Class I Steam Railways in the United States.

No. 609.—Steam-Railway Accidents—Number of Persons Killed and Injured, by Status: 1891 to 1947

[For various reasons, including fact that returns were required under different acts, 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 damage exceeded $150 with or without a casualty. Where damage is less than $150 and there is a reportable casualty it is classified as a train-service accident. Figures for years 1911–15 include industrial and other nontrain accidents to employees only, and for years 1908–10 exclude switching and terminal roads. Otherwise, data cover all reportable accidents, including those due to suicide, mental derangement, and attempting to escape custody. See also *Historical Statistics*, series K 84–93]

YEARLY AVERAGE OR YEAR ENDING—	TOTAL		PASSENGER [1]		EMPLOYEES [2]		OTHER PERSONS		TRESPASSERS	
	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	595	1,283	3,618	4,011
1896–1900	6,946	42,248	222	3,237	2,054	32,793	634	1,547	4,036	4,672
1901–1905	9,326	72,943	392	7,894	3,249	57,209	891	2,793	4,795	5,047
1906–1910	10,210	105,617	385	11,625	3,572	83,502	994	4,830	5,258	5,660
1911–1915	10,174	174,941	273	13,382	3,273	148,640	1,262	6,836	5,366	6,083
Dec. 31:										
1916–1920	8,662	176,693	304	7,419	2,855	157,523	2,074	8,460	3,429	3,291
1921–1925	6,618	141,688	173	5,578	1,654	123,790	2,225	9,420	2,566	2,901
1926–1930	6,623	89,543	101	3,667	1,395	73,522	2,606	9,822	2,521	2,532
1931–1935	5,127	29,834	38	1,995	589	18,222	1,811	6,529	2,688	3,087
1936–1940	4,987	31,292	56	2,533	613	19,765	1,866	6,883	2,452	2,111
1941–1945	5,060	53,813	174	4,274	989	41,223	2,059	7,038	1,838	1,278
1939	4,492	28,144	40	2,580	536	17,383	1,564	6,225	2,352	1,956
1940	4,740	29,606	83	2,597	583	18,350	1,979	6,886	2,095	1,773
1941	5,191	37,829	48	3,009	807	25,866	2,141	7,378	2,195	1,576
1942	5,337	48,123	122	3,501	1,005	36,032	2,197	7,237	2,013	1,353
1943	5,051	60,348	278	5,166	1,072	46,971	1,946	7,076	1,755	1,135
1944	4,908	61,251	267	4,854	1,087	48,613	1,958	6,632	1,596	1,152
1945	4,812	61,515	156	4,840	972	48,632	2,052	6,870	1,632	1,173
1946	4,508	52,026	128	4,714	738	39,472	1,971	6,670	1,671	1,170
1947	4,285	48,819	79	4,246	791	36,880	1,903	6,502	1,512	1,191

[1] Data cover passengers on trains and travelers not on trains. Casualties sustained in nontrain accidents included with "other persons."

[2] Prior to 1921 casualties sustained by employees not on duty in nontrain accidents included with "other persons."

Source: Interstate Commerce Commission, annual report, Accident Bulletin—Steam Railways.

No. 610.—Accidents at Highway Grade Crossings (All Steam Railways)—Automobile and Total Casualties: 1934 to 1947

[Excludes casualties due to suicide, mental derangement, and attempting to escape custody. See also headnote, table 609]

YEAR	Number of accidents	ALL PERSONS		ACCIDENTS WHICH INVOLVED AUTOMOBILES		
		Number killed	Number injured	Persons killed	Persons injured	Total casualties per 10,000 automobiles registered
1934	3,728	1,554	4,300	1,320	4,099	2.17
1935	3,933	1,680	4,658	1,442	4,434	2.24
1936	4,277	1,786	4,930	1,519	4,662	2.19
1937	4,489	1,875	5,136	1,607	4,904	2.19
1938	3,494	1,517	4,018	1,307	3,783	1.73
1939	3,476	1,398	3,999	1,190	3,744	1.61
1940	4,104	1,808	4,632	1,576	4,430	1.88
1941	4,320	1,931	4,885	1,679	4,667	1.85
1942	4,150	1,970	4,616	1,621	4,386	1.84
1943	3,781	1,732	4,217	1,378	3,944	1.74
1944	3,811	1,840	4,216	1,512	3,983	1.83
1945	4,100	1,903	4,446	1,577	4,126	1.86
1946	4,001	1,851	4,397	1,558	4,137	1.68
1947	4,015	1,790	4,251	1,521	4,055	1.49

Source: Interstate Commerce Commission, annual report, Statistics of Railways in the United States.

No. 611.—The Alaska Railroad—Summary of Passenger and Freight Services: Years Ending June 30, 1947 and 1948

ITEM	1947	1948	ITEM	1947	1948
Road mileage operated—monthly average	513	513	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight-train miles	402,882	677,207
Passenger-train miles [1]	146,952	253,749	Loaded cars, 1 mile, freight and mixed trains	5,242,000	8,383,000
Passenger-car miles, passenger trains [1]	556,633	627,187	Empty cars, 1 mile, freight and mixed trains	3,646,000	6,597,000
Total revenue passengers carried	69,607	79,015	All cars, 1 mile	8,888,000	14,980,000
Revenue passengers carried 1 mile	8,682,007	9,523,925	Tons of revenue freight carried:		
Total passenger revenue	$451,204	$505,878	Coal	281,098	299,935
Average revenue per passenger per mile	$0.05197	$0.05311	Miscellaneous	360,743	600,420
			Tons of revenue freight carried 1 mile	111,868,000	190,090,000
			Total freight revenue	$8,138,445	$13,741,089
			Average revenue per ton per mile	$0.07275	$0.07229

[1] Including motor miles.

Source: Department of the Interior, Division of Territories and Island Possessions.

No. 612.—Electric Railways—Summary: 1890 to 1937

[The census of street railways, which was first taken in 1890, and which has been taken at quinquennial intervals through 1937 beginning with the inquiry for 1902, covers (1) all street railways, without regard to kind of motive power, and (2) all interurban railways using other than steam as motive power. The nonelectric railroads included are those operated principally by cable and gasoline engines. Operations of electrified divisions of steam-railway companies are not included. Figures in this table do not include data for motorbus and trolley-bus operations of electric street railways. (For motorbus and trolley-bus statistics from census reports, see source)]

ITEM	1890	1902	1912	1922	1927	1932	[1] 1937
Number of companies	789	987	1,260	[2] 1,200	[2] 963	[2] 706	[2] 478
Miles of line operated [3]	5,783	16,645	30,438	31,264	27,948	20,110	14,214
Miles of all track operated [3]	8,123	22,577	41,065	43,932	40,722	31,548	23,770
Value of road and equipment (thousand dollars)	389,357	2,167,634	4,596,563	5,058,762	([4])	4,143,381	4,399,768
Number of employees [5]	70,764	140,769	282,461	300,119	264,575	[6] 182,165	152,476
Number of passenger cars	32,505	60,290	76,162	77,301	70,309	59,692	44,864
Revenue passengers, including pay-transfer (thousands)	2,023,010	4,774,212	9,545,555	12,666,558	12,174,592	[7] 7,955,981	7,485,290
Operating revenues (thousand dollars) [8]	90,617	247,554	567,512	1,016,719	927,774	566,290	513,129
Operating expenses (thousand dollars) [8]	62,011	142,313	332,896	727,795	694,460	442,607	406,119
Operating ratio (percent)	68.4	57.5	58.7	71.6	74.9	78.2	79.1

[1] Excludes data for 22 companies, operating on a part-year basis. These companies reported 36,810,221 passengers; 9,108,009 car-miles; 1,042,866 car-hours; $2,388,295, operating revenue; and $2,412,010, operating expense.
[2] Includes certain companies in Pennsylvania which maintained separate organizations, though controlled through stock ownership by other companies. For 1912 these companies were treated as merged and not included in the number reported.
[3] Includes small mileage of track lying outside United States.
[4] Data incomplete. Some of the companies engaged in both light-and-power and electric-railway operations were unable to report separately the values of plant and equipment assignable to their railway activities.
[5] Number reported as of June 30, for 1890, 1922, 1927, and 1932; for 1902, average for the year; for 1912, as of Sept. 16. Figures for 1937 represent an average of numbers reported on June 30 and Dec. 31.
[6] Includes 334 trolley-bus operators.
[7] Includes 29,721,000 trolley-bus passengers.
[8] Includes auxiliary operating revenues of $8,905,000 for 1927 and $91,242,000 for 1922; auxiliary expenses, $7,822,000 for 1927, and $49,232,000 for 1922. Data for operating revenues and operating expenses of auxiliary operations excluded so far as possible for earlier years.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations. Survey discontinued.

No. 613.—Express Companies—Income Account: 1921 to 1947

[**In thousands of dollars.** Mileage operated by Railway Express Agency, Inc., 1947: Total, 307,912; steam road 195,084; electric line, 1,740; steamboat line, 15,271; motor carrier, 16,705; airplane, 79,112]

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	204,664	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
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
1935	138,751	53,170	88,068	84,899	3,169	1,548	1,603	148	4
1936	155,446	59,326	98,634	92,668	5,966	4,534	1,418	191	[6] *5*
1937	160,788	58,009	105,396	100,441	4,955	3,395	1,528	167	22
1938	155,590	50,478	107,640	98,827	8,813	6,401	2,394	173	731
1939	167,179	57,803	111,976	104,158	7,818	6,967	831	192	2
1940	176,521	59,003	119,957	111,478	8,479	7,539	907	178	4
1941	195,696	63,117	135,262	125,638	9,624	8,488	1,106	225	188
1942	260,259	107,708	155,306	144,448	10,858	9,785	1,055	320	191
1943	350,215	146,042	207,545	193,590	13,955	13,074	861	433	66
1944	400,865	150,088	254,734	238,017	16,717	15,518	1,172	349	219
1945	437,139	157,075	284,428	266,960	17,468	16,724	712	372	[6] *228*
1946	*437,341*	*106,814*	*326,230*	*305,483*	*20,747*	*19,841*	*876*	*411*	[6] *57*
1947	*436,683*	*129,315*	*312,981*	*288,156*	*24,845*	*24,187*	*623*	*451*	[6] *329*
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
1929	8,007	3,900	4,244	4,098	146	110	35	38	73
1935	5,520	2,234	3,406	3,250	156	96	57	3	60
1936	6,270	2,484	3,903	3,705	198	140	57	---	57
1937	6,102	1,997	4,221	3,930	291	242	48	1	49
1938 [8]	3,122	746	2,436	2,270	166	158	6	1	7

[1] Includes revenues from sources other than transportation.
[2] Deducting, besides taxes, a small amount of uncollectible revenue.
[3] Sum of 2 preceding columns less deductions.
[4] Result of operations for 2 months ended Feb. 28, 1929, when taken over by Railway Express Agency, Inc.
[5] Result of operations for 10 months ended Dec. 31, 1929. [6] Deficit.
[7] Result of operations for 8 months ended Dec. 31, 1921.
[8] Result of operations for 7 months ended July 31, 1938, when taken over by Railway Express Agency, Inc.

No. 614.—Pullman Company—Summary of Operations: 1910 to 1947

[**All money figures in thousands of dollars**]

YEAR ENDING—	Total revenues, car operations	Association and contract revenues, debit [1]	EXPENSES, CAR OPERATIONS		Net revenues, car operation	Operating income	REVENUE PASSENGERS CARRIED	
			Total	Conducting car operations			Thousands	Number per car-day
June 30:								
1910	35,334	959	23,962	[2]	11,372	13,151	20,203	14
1915	38,723	2,421	26,633	11,716	12,090	10,816	24,252	12
Dec. 31:								
1920	72,124	13,155	61,031	30,805	11,093	9,304	39,255	16
1925	80,198	8,873	63,513	32,247	16,685	12,546	35,526	12
1930	76,234	5,534	68,960	35,379	7,274	4,937	29,360	9
1935	48,428	2,683	49,077	19,720	[3] *649*	[3] *1,647*	15,479	9
1938	56,963	2,762	51,549	21,812	5,414	1,503	15,540	8
1939	58,524	3,946	52,895	21,943	5,629	2,176	15,655	8
1940	57,962	2,131	51,942	21,940	6,020	2,266	14,765	8
1941	64,548	3,133	58,561	25,149	5,987	1,855	16,911	9
1942	95,875	13,570	72,531	36,169	23,344	9,151	26,063	11
1943	120,529	26,888	92,766	50,107	27,763	5,553	32,632	13
1944	141,288	19,080	107,998	60,922	33,290	10,721	35,838	13
1945	142,578	13,647	117,885	60,361	24,693	9,045	31,484	12
1946	131,692	2,360	118,694	62,841	12,998	4,780	25,948	11
1947	110,260	3,680	104,946	51,611	5,314	[3] *1,008*	21,012	13

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

Source of tables 613 and 614: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 615.—Transit Industry—Summary: 1930 to 1947

[Represents entire transit industry comprising all organized local passenger transportation agencies except taxicabs and suburban railroads. Based on financial and statistical reports received by American Transit Association from transit companies representing 85 to 95 percent of the industry]

ITEM	1930	1935	1940	1943	1944	1945	1946	1947
Miles of route operated (Dec. 31):								
Electric railway—miles of single track	35,400	26,700	19,600	18,210	18,112	17,732	16,742	15,002
Surface	34,320	25,470	18,360	16,950	16,860	16,480	15,490	13,750
Subway and elevated	1,080	1,230	1,240	1,260	1,252	1,252	1,252	1,252
Trolley coach—miles of negative overhead wire	146	548	1,925	2,305	2,302	2,370	2,411	2,797
Motorbus—miles of route round trip	60,900	58,100	78,000	87,000	87,700	90,400	91,150	95,350
Passenger vehicles owned (Dec. 31), total	79,363	71,744	75,464	88,107	89,246	90,136	90,328	92,330
Electric railway cars	64,790	50,466	37,662	37,505	37,285	36,755	33,962	30,781
Surface	55,150	40,050	26,630	27,250	27,180	26,680	24,730	21,607
Subway and elevated	9,640	10,416	11,032	10,255	10,105	10,075	9,232	9,174
Trolley coaches	173	578	2,802	3,501	3,561	3,711	3,916	4,632
Motorbusses	14,400	20,700	35,000	47,100	48,400	49,670	52,450	56,917
Investment (Dec. 31), total (millions)	(1)	(1)	$4,096	$4,259	$4,271	$4,262	$4,187	$4,077
Electric railway	(1)	(1)	3,588	3,650	3,646	3,620	3,508	3,330
Surface	(1)	(1)	1,574	1,600	1,596	1,570	1,457	1,279
Subway and elevated	(1)	(1)	2,014	2,050	2,050	2,050	2,051	2,051
Trolley coach	(1)	(1)	58	72	73	76	80	96
Motorbus	(1)	(1)	450	537	552	566	599	651
Operating revenues, total (millions)	$963	$681	$737	$1,294	$1,362	$1,380	$1,397	$1,391
Electric railway	803	520	456	686	710	709	701	667
Surface	649	388	327	537	562	558	540	508
Subway and elevated	154	132	129	149	147	151	161	159
Trolley coach	2	5	25	64	68	68	72	77
Motorbus	158	156	256	544	585	603	624	647
Vehicle miles operated, total (millions)	2,707	2,327	2,596	3,262	3,284	3,254	3,304	3,342
Electric railway	1,995	1,544	1,316	1,440	1,439	1,398	1,353	1,301
Surface	1,540	1,097	845	978	978	940	894	839
Subway and elevated	455	447	471	462	461	458	459	462
Trolley coach	6	19	86	130	132	133	144	155
Motorbus	706	764	1,194	1,693	1,713	1,723	1,807	1,886
Passengers carried, total (millions)	15,567	12,226	13,098	22,000	23,017	23,254	23,372	22,540
Electric railway	13,072	9,512	8,325	11,806	12,137	12,124	11,862	10,852
Surface	10,513	7,276	5,943	9,150	9,516	9,426	9,027	8,096
Subway and elevated	2,559	2,236	2,382	2,656	2,621	2,698	2,835	2,756
Trolley coach	16	96	534	1,175	1,234	1,244	1,311	1,356
Motorbus	2,479	2,618	4,239	9,019	9,646	9,886	10,199	10,332
Revenue passengers carried, total (millions)	12,528	9,782	10,504	17,918	18,735	18,982	19,119	18,287
Electric railway	10,346	7,408	6,465	9,410	9,652	9,636	9,454	8,589
Surface	7,782	5,156	4,183	6,894	7,169	7,081	6,769	5,980
Subway and elevated	2,564	2,252	2,282	2,516	2,483	2,555	2,685	2,609
Trolley coach	13	77	419	938	987	1,001	1,050	1,073
Motorbus	2,169	2,297	3,620	7,570	8,096	8,345	8,615	8,625
Number of employees (average), total	276,444	209,200	202,400	239,000	242,000	242,000	261,000	266,000
Electric railway	247,244	164,400	122,500	132,100	132,300	129,200	125,300	121,000
Trolley coach	400	1,300	6,400	8,000	8,100	8,500	9,800	11,000
Motorbus	28,800	43,500	73,500	98,900	101,600	104,300	125,900	134,000
Pay roll, total (millions)	$479	$321	$360	$554	$599	$632	$713	$790

[1] Not available.

Source: American Transit Association, New York, N. Y.; annual report, Transit Fact Book.

No. 616.—Class I Intercity Motor Carriers of Property—Summary of Financial and Operating Statistics: 1942 to 1946

[**All money figures, except average revenue and expense per vehicle-mile, in thousands of dollars.** Covers common and contract carriers with average annual operating revenues of $100,000 or more engaged wholly or preponderantly in intercity service subject to general jurisdiction of I. C. C]

ITEM	1942	1943	1944	1945	1946
Number of carriers reporting	1,083	1,165	1,337	1,445	1,516
Investment in carrier operating property	181,940	198,392	231,493	258,578	314,561
Less reserve for depreciation and amortization	93,643	110,098	126,071	134,905	143,703
Net investment in carrier operating property	88,297	88,294	105,422	123,673	170,858
Income statement:					
Operating revenue, total	587,870	645,673	710,910	746,394	883,806
Common carrier	534,778	587,487	643,144	675,678	805,457
Contract carrier	46,590	46,747	52,811	53,992	59,489
Other operating revenue	6,502	11,439	14,955	16,724	18,860
Expenses, total	556,472	625,796	695,820	745,002	852,292
Operation and maintenance expenses	470,475	493,894	552,315	588,140	666,741
Equipment maintenance and garage	67,538	99,173	120,102	130,557	132,337
Transportation	188,641	161,275	182,339	192,345	217,618
Terminal	110,243	118,461	124,932	133,801	168,851
Sales, tariff, and advertising	18,580	17,387	17,654	18,538	21,938
Insurance and safety	30,395	35,711	40,347	43,222	51,057
Administrative and general	55,078	61,887	66,941	69,677	74,940
Depreciation and amortization [1]	22,260	23,174	25,577	28,348	31,873
Operating taxes and licenses [2]	40,101	43,221	46,859	49,901	54,489
Operating rents, net	23,636	65,507	71,069	78,613	99,189
Operating ratio (percent expenses of operating revenue)	94.7	96.9	97.9	99.8	96.4
Net operating revenue	31,398	19,877	15,090	1,392	31,514
Other income, less income deductions	*1,370*	*1,027*	*80*	499	*1,184*
Net income before income taxes	29,883	18,729	14,895	1,656	30,048
Net income after income taxes	17,358	9,438	7,778	*2,227*	21,020
Dividend appropriations and withdrawals [3]	7,279	9,463	10,300	10,473	9,491
Number and compensation of employees:					
All employees:					
Number	118,990	130,099	130,495	132,904	145,942
Compensation	234,779	290,760	319,042	335,403	391,544
Equipment maintenance and garage:					
Number	8,730	10,612	11,545	11,873	12,423
Compensation	16,838	24,509	30,018	31,765	34,723
Transportation:					
Drivers and helpers: [4]					
Number	40,360	44,719	47,199	48,193	53,316
Compensation	82,607	105,672	119,707	125,525	146,104
Others:					
Number	3,574	3,665	2,968	3,069	3,063
Compensation	8,162	9,685	9,523	10,319	10,802
Terminal:					
Number	[5] 48,492	[5] 52,622	[5] 50,353	[5] 51,496	[5] 58,819
Compensation	[5] 81,393	[5] 100,550	[5] 106,484	[5] 112,923	[5] 140,413
Sales, tariff, and advertising:					
Number	4,314	3,543	3,155	3,087	3,351
Compensation	10,974	9,987	9,628	9,808	11,693
Administrative and general:					
General officers:					
Number	2,179	2,323	2,562	2,723	2,799
Compensation	18,057	19,060	20,310	20,769	22,334
Others, including insurance and safety:					
Number	11,341	12,615	12,713	12,463	12,171
Compensation	16,748	21,207	23,372	24,294	25,475
Operating statistics and averages:					
Owned revenue vehicles, total	83,818	88,773	97,729	100,165	112,300
Trucks	18,547	19,278	19,930	19,610	20,727
Truck-tractors	27,592	29,542	33,124	33,534	36,308
Semitrailers	35,157	37,302	41,901	44,081	52,274
Full trailers	2,522	2,651	2,774	2,940	2,991
Intercity vehicle-miles (millions)	2,040	2,006	2,132	2,165	2,407
Tons of intercity revenue freight carried [6] (thousands)	82,722	95,918	105,134	108,017	112,268
Miles per owned vehicle [7]	45,976	45,079	44,531	43,385	46,147
Revenue per vehicle-mile (intercity) [7]	$0.282	$0.316	$0.326	$0.337	$0.359
Expense per vehicle-mile (intercity) [7]	$0.273	$0.312	$0.326	$0.344	$0.354

[1] Amortization represents a very small part of this total.
[2] Does not include Federal or State income taxes.
[3] Withdrawals of sole proprietors and partners.
[4] Does not include drivers of equipment engaged by these carriers to perform "purchased transportation."
[5] Includes collection and delivery employees as follows: 1942, 19,010, compensation, $34,862,000; 1943, 21,180, compensation, $44,402,000; 1944, 21,111, compensation, $48,778,000; 1945, 21,444, compensation, $51,441,000; 1946, 24,630, compensation, $63,352,600.
[6] Includes duplications on account of tonnage received from connecting motor carriers.
[7] Basic figures include expenses of operating vehicles in intercity and local services; these expenses are not separable. Comparisons of revenue and expense per intercity vehicle-mile are therefore subject to qualification.

Source: Interstate Commerce Commission; annual report, Statistics of Class I Motor Carriers.

No. 617.—Class I Intercity Motor Carriers of Property—Selected Operating Statistics, by Regions: 1942 to 1946

[See headnote, table 616. Regions: 1, Conn., Maine, Mass., N. H., R. I., Vt.; 2, Del., D. C., Md., N. J., N. Y., Pa., W. Va.; 3, Ill., Ind., Mich. (Lower Pen.), Ohio; 4, Ala., Fla., Ga., Ky., Miss., N. C., S. C., Tenn., Va.; 5, Mich. (Upper Pen.), Minn., N. Dak., S. Dak., Wis.; 6, Iowa, Kans., Mo., Nebr.; 7, Ark., La., Okla., Tex.; 8, Colo., Idaho, Mont., N. Mex., Utah, Wyo.; 9, Ariz., Calif., Nev., Oreg., Wash.]

Region and year	Number of carriers reporting	Operating revenue (thousands)	Total expenses (thousands)	Owned revenue vehicles [1]	
				Trucks	Truck-tractors
Total:					
1942	1,083	$587,870	$556,472	18,547	27,592
1943	1,165	645,673	625,796	19,278	29,542
1944	1,337	710,910	695,820	19,930	33,124
1945	1,445	746,394	745,002	19,610	33,534
1946	1,516	883,806	852,292	20,727	36,308
1. New England:					
1942	114	52,608	49,046	2,127	2,395
1943	118	46,982	45,845	2,109	2,082
1944	132	50,765	49,841	2,127	2,480
1945	141	54,594	54,110	2,047	2,588
1946	150	65,270	62,057	2,139	2,921
2. Middle Atlantic:					
1942	265	114,394	109,284	3,506	5,442
1943	293	113,206	109,355	3,332	5,430
1944	332	145,477	142,424	3,728	7,304
1945	357	150,177	149,500	3,611	7,539
1946	393	179,472	174,043	4,073	8,478
3. Central:					
1942	272	189,141	182,360	3,346	8,997
1943	286	201,159	196,888	3,472	9,711
1944	324	218,116	212,869	3,388	10,525
1945	348	223,515	222,408	3,387	10,326
1946	346	272,203	259,846	3,265	10,919
4. Southern:					
1942	107	75,029	70,905	2,434	4,113
1943	120	92,469	92,050	2,577	5,089
1944	143	79,465	78,559	2,238	4,152
1945	152	83,473	84,285	1,973	4,086
1946	167	91,554	88,731	2,052	4,186
5. Northwestern:					
1942	50	24,062	22,871	772	1,354
1943	52	28,023	26,898	846	1,492
1944	64	33,025	32,495	949	1,775
1945	69	34,893	34,816	955	1,834
1946	67	42,911	41,934	1,080	2,073
6. Midwestern:					
1942	63	30,203	29,295	819	1,464
1943	63	34,723	34,116	926	1,562
1944	73	37,476	37,531	1,002	1,734
1945	77	37,600	38,043	1,017	1,782
1946	89	49,052	47,057	1,192	2,167
7. Southwestern:					
1942	81	39,609	35,450	2,078	2,255
1943	91	51,417	47,091	2,291	2,592
1944	109	58,733	56,482	2,495	3,149
1945	124	64,988	64,354	2,387	3,106
1946	122	72,814	70,270	2,537	3,184
8. Rocky Mountain:					
1942	23	11,276	10,425	430	209
1943	24	12,285	11,539	496	274
1944	29	14,870	14,655	534	336
1945	31	16,890	16,893	554	318
1946	36	22,200	21,609	667	438
9. Pacific:					
1942	108	51,548	46,836	3,035	1,273
1943	118	65,409	62,014	3,229	1,310
1944	131	72,983	70,964	3,469	1,660
1945	146	80,264	80,593	3,679	1,957
1946	146	88,330	86,745	3,722	1,942

For footnotes, see p. 561.

No. 617.—Class I Intercity Motor Carriers of Property—Selected Operating Statistics, by Regions: 1942 to 1946—Continued

Region and year	Owned revenue vehicles [1]—con.		Vehicle-miles, total intercity service (thousands)	Freight revenue per intercity vehicle-mile	Employees [2]	
	Semi-trailers	Full trailers			Average number	Compensation (thousands)
Total:						
1942	35,157	2,522	2,040,098	$0.282	118,990	$234,779
1943	37,302	2,651	2,006,439	.316	130,099	290,760
1944	41,901	2,774	2,132,121	.326	130,495	319,042
1945	44,081	2,940	2,164,808	.337	132,904	335,403
1946	52,274	2,991	2,406,622	.359	145,942	391,544
1. New England:						
1942	3,196	2	128,518	.399	11,462	25,358
1943	2,748	2	110,964	.410	9,457	24,257
1944	3,201	4	117,833	.417	9,385	25,577
1945	3,399	7	122,697	.430	9,763	27,539
1946	4,330	28	132,828	.472	11,066	32,201
2. Middle Atlantic:						
1942	6,882	32	349,001	.318	22,760	46,341
1943	6,783	34	308,708	.360	21,798	50,112
1944	9,277	28	369,650	.387	26,572	67,268
1945	9,701	45	377,021	.390	26,935	69,256
1946	11,466	29	419,274	.418	30,711	82,074
3. Central:						
1942	12,787	781	711,993	.262	34,316	70,224
1943	13,536	780	675,629	.293	38,855	89,795
1944	14,522	872	696,778	.307	38,836	98,106
1945	14,787	783	701,878	.312	39,278	101,852
1946	17,348	665	822,264	.326	42,979	118,121
4. Southern:						
1942	4,410	22	291,874	.255	17,446	29,112
1943	5,688	58	301,482	.305	21,841	42,674
1944	4,583	17	284,626	.277	15,963	32,087
1945	4,776	17	277,428	.298	15,810	33,588
1946	5,520	37	279,141	.324	15,903	37,048
5. Northwestern:						
1942	1,584	3	76,065	.307	5,344	10,403
1943	1,724	3	86,793	.316	6,193	13,385
1944	2,021	4	105,108	.308	6,778	16,000
1945	2,183	4	104,281	.328	6,990	16,708
1946	2,684	4	118,560	.356	8,008	21,086
6. Midwestern:						
1942	1,796	48	129,071	.230	6,318	12,136
1943	1,785	11	138,524	.247	7,029	15,247
1944	1,975	32	137,704	.268	6,845	16,282
1945	2,078	26	128,284	.289	6,861	16,103
1946	2,804	61	152,630	.316	8,213	20,732
7. Southwestern:						
1942	2,376	18	160,361	.241	9,710	15,069
1943	2,833	16	178,766	.282	11,847	21,123
1944	3,541	18	194,778	.292	12,564	25,042
1945	3,755	82	212,069	.296	13,330	28,280
1946	4,284	80	220,947	.318	13,705	32,237
8. Rocky Mountain:						
1942	343	116	42,413	.262	2,079	4,142
1943	321	144	40,699	.298	2,175	4,910
1944	415	162	47,541	.309	2,498	6,042
1945	518	185	49,204	.339	2,564	6,675
1946	664	273	62,736	.349	3,280	8,881
9. Pacific:						
1942	1,783	1,500	150,802	.333	9,555	21,994
1943	1,884	1,603	164,874	.387	10,904	29,257
1944	2,366	1,637	178,103	.394	11,054	32,638
1945	2,884	1,791	191,946	.404	11,373	35,402
1946	3,174	1,814	198,242	.435	12,077	39,164

[1] Excludes equipment used under lease, including operations conducted under "purchased transportation arrangements."

[2] Excludes drivers of equipment engaged by these carriers to perform "purchased transportation" service.

Source: Interstate Commerce Commission; annual report, Statistics of Class I Motor Carriers.

No. 618.—Class I Intercity Motor Carriers of Passengers—Summary of Financial and Operating Statistics: 1942 to 1946

[**All money figures, except average fare and average revenue and expense per vehicle-mile, in thousands of dollars.** Covers carriers with average annual operating revenues of $100,000 or more engaged wholly or preponderantly in intercity service subject to jurisdiction of Interstate Commerce Commission. This table does not include carriers subject to the Commission's jurisdiction engaged wholly or preponderantly in local or suburban service or carriers engaged in transportation of both property and passengers]

ITEM	1942	1943	1944	1945	1946
Number of carriers reporting	136	157	194	231	254
Investment in carrier operating property	129,016	136,618	132,678	153,477	174,455
Less reserve for depreciation and amortization	65,165	79,185	70,918	81,103	91,209
Net investment in carrier operating property	63,851	57,433	61,160	72,374	83,246
Income statement:					
Operating revenue, total	251,192	344,007	374,667	377,933	380,627
Passenger revenue [1]	241,069	332,906	362,297	364,769	365,103
Special bus revenue	4,879	4,439	5,464	5,381	6,641
Other operating revenue	5,244	6,662	6,906	7,783	8,883
Expenses, total	164,465	213,779	245,403	264,934	299,217
Operation and maintenance expenses	125,935	167,677	196,610	214,224	246,992
Depreciation and amortization [2]	15,023	16,150	16,254	17,336	17,720
Operating taxes and licenses [3]	18,723	23,829	26,054	26,846	28,574
Operating rents, net	4,784	6,123	6,485	6,528	5,931
Operating ratio (percent expenses of operating revenue)	65.5	62.1	65.5	70.1	78.6
Net operating revenue	86,727	130,228	129,264	112,999	81,410
Other income, less income deductions	*3,195*	*1,929*	1,267	*2,076*	1,678
Net income before income taxes	83,407	127,951	129,966	110,364	82,604
Net income after income taxes	24,416	36,651	36,282	32,246	50,414
Dividend appropriations and withdrawals [4]	10,327	16,947	20,222	18,599	31,795
Number of employees and compensation:					
All employees:					
Number	29,398	37,225	40,092	42,394	46,587
Compensation	61,760	84,550	100,933	108,394	129,185
Equipment maintenance and garage:					
Number	6,853	8,851	9,770	10,467	12,028
Compensation	13,126	19,556	23,959	25,752	31,316
Transportation:					
Drivers of passenger revenue vehicles:					
Number	12,726	15,768	16,760	17,560	19,298
Compensation	29,639	39,200	46,811	49,065	59,333
Others:					
Number	996	1,360	1,621	1,698	1,820
Compensation	2,558	4,120	4,943	5,503	6,225
Station:					
Number	4,893	6,318	6,703	7,163	7,581
Compensation	6,906	9,799	11,714	12,560	15,005
Traffic, solicitation, and advertising:					
Number	531	588	605	642	761
Compensation	1,286	1,563	1,716	1,934	2,383
Administrative and general:					
General officers:					
Number	326	381	455	516	566
Compensation	3,568	3,797	4,302	5,483	5,654
Others, including insurance and safety:					
Number	3,073	3,959	4,178	4,348	4,524
Compensation	4,677	6,515	7,488	8,097	9,269
Operating statistics and averages:					
Passenger vehicles owned [5]	9,677	11,000	12,019	12,865	13,168
Vehicle-miles of owned and leased passenger vehicles: [6]					
Regular route intercity service (thousands)	675,225	771,729	833,851	860,485	964,227
Special, charter, and sightseeing service (thousands)	14,810	12,793	14,893	15,113	17,620
Local and suburban service [7] (thousands)	12,448	47,342	56,170	54,963	60,798
Number of revenue passengers carried:					
Regular route intercity service (thousands)	296,706	394,129	429,917	434,614	433,730
Special, charter, and sightseeing service (thousands)	4,344	4,370	7,086	7,036	7,216
Local service (thousands)	29,024	102,751	132,628	122,794	121,014
Miles per vehicle [8]	73,350	68,925	71,781	71,429	77,677
Average fare per passenger, per carrier, intercity service	$0.800	$0.806	$0.798	$0.793	$0.798
Passenger revenue per vehicle-mile:					
Regular route intercity	.356	.412	.411	.401	.359
Special, charter, and sightseeing services	.329	.368	.367	.356	.377
Local service	.297	.317	.343	.366	.315
Expense per vehicle-mile	.234	.257	.271	.285	.287

[1] Regular route intercity and local revenue.
[2] Amortization a very small part of this total.
[3] Excludes Federal or State income taxes.
[4] Withdrawals, small in amount, of sole proprietors and partners.
[5] Total vehicles owned at close of year.
[6] Includes bus-miles of vehicles operated under "purchased transportation arrangements."
[7] Includes only service on local and suburban runs of preponderantly intercity carriers.
[8] Averages for owned and leased vehicles.

Source: Interstate Commerce Commission; annual report, Statistics of Class I Motor Carriers.

No. 619.—Class I Intercity Motor Carriers of Passengers—Selected Operating Statistics, by Regions: 1942 to 1946

[See headnote, table 618; for description of regions, see headnote, table 617]

Region and year	Number of carriers reporting	Operating revenue (thousands)	Total expenses (thousands)	Passenger vehicles	
				Intercity [1]	Total [2]
Total:					
1942	136	$251,192	$164,465	9,296	9,689
1943	157	344,007	213,779	11,327	12,019
1944	194	374,667	245,403	11,808	12,895
1945	231	377,933	264,934	12,281	13,393
1946	254	380,627	299,217	12,558	13,636
1. New England:					
1942	9	7,898	6,160	395	427
1943	10	9,587	7,706	424	462
1944	16	12,768	10,510	587	626
1945	18	11,412	10,255	559	584
1946	18	10,274	9,682	495	513
2. Middle Atlantic:					
1942	33	31,149	24,855	1,387	1,520
1943	32	35,430	26,644	1,528	1,607
1944	34	38,428	29,701	1,540	1,663
1945	34	39,985	32,567	1,556	1,772
1946	41	45,322	38,638	1,749	2,001
3. Central:					
1942	27	41,387	29,859	1,491	1,660
1943	33	55,156	37,953	1,770	2,073
1944	35	58,013	41,442	1,769	2,044
1945	46	59,516	44,467	1,876	2,124
1946	46	64,643	52,085	2,007	2,268
4. Southern:					
1942	24	70,860	44,380	2,359	2,383
1943	32	99,982	60,949	3,172	3,361
1944	44	109,852	72,535	3,688	3,906
1945	53	113,114	78,789	3,926	4,133
1946	59	108,029	83,905	3,954	4,122
5. Northwestern:					
1942	1	8,309	5,377	264	264
1943	2	10,510	6,332	300	300
1944	5	12,594	7,355	336	336
1945	6	13,355	8,209	367	367
1946	9	14,535	10,031	426	430
6. Midwestern:					
1942	8	11,928	7,421	450	453
1943	7	15,556	8,982	457	460
1944	8	16,628	9,788	469	469
1945	12	18,383	11,391	529	529
1946	14	18,910	13,097	548	548
7. Southwestern:					
1942	20	40,832	23,862	1,601	1,601
1943	24	60,602	32,689	2,052	2,065
1944	33	63,941	36,937	2,048	2,122
1945	38	61,214	40,506	2,044	2,105
1946	41	59,176	44,543	1,898	1,912
8. Rocky Mountain:					
1942	4	2,280	1,444	88	90
1943	4	3,422	2,141	105	110
1944	5	4,185	2,567	118	165
1945	9	5,291	3,359	178	225
1946	10	4,831	3,496	172	210
9. Pacific:					
1942	10	36,549	21,107	1,261	1,261
1943	13	53,762	30,383	1,519	1,581
1944	14	58,258	34,568	1,253	1,564
1945	15	55,663	35,301	1,246	1,554
1946	16	54,907	43,740	1,309	1,632

[1] Includes vehicles owned, leased, and operated under "purchased transportation arrangements," operated in intercity revenue service.

[2] Includes average number operated in intercity service during year and number owned in local operations at close of year.

No. 619.—Class I Intercity Motor Carriers of Passengers—Selected Operating Statistics, by Regions: 1942 to 1946—Continued

Region and year	Regular-route intercity				Employees	
	Vehicle-miles (thousands)	Revenue passengers carried (thousands)	Average fare per passenger, per carrier	Passenger revenue per vehicle-mile	Average number	Total compensation (thousands)
Total:						
1942	675,225	296,706	$0.800	$0.356	29,398	$61,760
1943	771,729	394,129	.806	.412	37,225	84,550
1944	833,851	429,917	.798	.411	40,092	100,933
1945	860,485	434,614	.793	.401	42,394	108,394
1946	964,227	433,730	.798	.359	46,587	129,185
1. New England:						
1942	19,769	12,761	.567	.367	1,005	2,334
1943	21,052	18,617	.476	.421	1,277	3,167
1944	29,039	26,856	.421	.390	1,743	4,449
1945	26,097	23,132	.450	.399	1,601	4,493
1946	26,801	20,647	.445	.343	1,647	4,545
2. Middle Atlantic:						
1942	77,570	50,153	.565	.382	4,449	9,897
1943	81,014	58,676	.570	.413	4,554	10,437
1944	89,899	66,806	.541	.402	4,498	11,413
1945	87,191	64,620	.546	.404	4,874	12,615
1946	102,498	67,469	.581	.382	5,565	15,696
3. Central:						
1942	108,850	45,172	.840	.355	5,319	11,634
1943	119,376	60,888	.802	.409	6,586	16,323
1944	123,670	65,420	.777	.411	6,659	17,884
1945	131,498	69,215	.753	.396	7,129	19,115
1946	157,616	70,182	.809	.360	8,019	23,058
4. Southern:						
1942	195,852	84,338	.814	.355	7,696	14,869
1943	234,221	121,256	.785	.406	10,465	21,868
1944	257,591	137,577	.759	.406	11,875	27,366
1945	274,011	148,586	.724	.392	12,405	30,113
1946	295,673	147,936	.692	.346	13,296	33,851
5. Northwestern:						
1942	22,962	6,090	1.273	.338	867	1,931
1943	25,551	8,707	1.157	.394	938	2,376
1944	29,340	11,218	1.057	.404	1,129	3,257
1945	32,029	11,657	1.097	.399	1,169	3,233
1946	37,099	12,601	1.105	.375	1,460	4,660
6. Midwestern:						
1942	32,630	7,557	1.489	.349	1,339	2,880
1943	36,086	10,002	1.486	.412	1,533	3,670
1944	39,533	10,794	1.483	.405	1,626	4,507
1945	44,966	12,929	1.374	.395	1,909	5,168
1946	49,793	13,133	1,389	.366	2,109	6,093
7. Southwestern:						
1942	121,084	46,968	.828	.322	4,685	9,179
1943	144,989	70,657	.807	.394	6,314	13,139
1944	149,035	64,001	.940	.404	6,425	15,639
1945	148,409	61,487	.946	.392	6,954	16,662
1946	158,478	60,151	.936	.355	7,201	19,665
8. Rocky Mountain:						
1942	7,161	1,342	1.580	.297	273	532
1943	8,072	2,457	1,292	.393	374	743
1944	9,166	3,007	1.236	.405	424	1,054
1945	11,938	3,899	1.177	.384	581	1,457
1946	12,532	2,882	1.482	.341	574	1,619
9. Pacific:						
1942	89,347	42,325	.831	.394	3,765	8,504
1943	101,308	42,869	1.076	.455	5,184	12,827
1944	106,578	44,238	1.098	.456	5,713	15,364
1945	104,346	39,089	1.178	.441	5,772	15,538
1946	123,737	38,729	1.182	.370	6,716	19,998

Source: Interstate Commerce Commission; annual report, Statistics of Class I Motor Carriers.

No. 620.—Motorbus Lines—Summary of Operations of Common Carriers and School Busses: 1942 to 1948

ITEM	1942	1943	1944	1945	1946	1947	1948 [1]
COMMON CARRIER BUS OPERATIONS							
Number of operating companies (Dec. 31)	3,803	4,500	4,970	5,120	5,174	4,825	5,275
City and city suburban	814	800	1,270	1,435	1,455	1,570	1,700
Intercity	2,637	3,500	2,600	2,785	2,911	2,955	3,100
Charter hire and sightseeing	352	200	1,100	900	808	300	475
Number of busses (Dec. 31)	69,211	76,114	79,825	75,988	79,495	89,000	92,150
City and city suburban	44,101	45,610	48,525	45,955	47,760	54,100	57,175
Intercity	22,710	28,504	28,000	29,000	30,260	31,900	31,775
Charter hire and sightseeing	2,400	2,000	3,300	1,033	1,475	3,000	3,200
Miles of highway covered (Dec. 31)	401,685	434,575	387,875	414,595	422,697	455,450	480,000
City and city suburban	36,339	42,000	38,575	42,943	45,085	46,800	51,875
Intercity	365,346	392,575	349,300	371,652	377,612	408,650	428,125
Total bus miles (millions) [2]	2,654	2,768	3,212	3,131	3,424	3,521	3,490
City and city suburban	1,453	1,425	1,630	1,493	1,586	1,748	1,643
Intercity	1,195	1,320	1,524	1,609	1,805	1,731	1,799
Charter hire and sightseeing	6	23	58	29	33	42	48
Revenue passengers (millions)	7,120	8,355	9,753	8,813	9,445	9,590	9,432
City and city suburban (line haul service only)	6,501	7,377	8,609	7,920	8,456	8,630	8,321
Intercity (line service only)	617	953	1,084	874	967	918	1,065
Charter hire and sightseeing	2	25	60	19	22	42	46
Operating revenue (1,000 dollars)	808,000	1,030,400	1,205,310	1,164,208	1,228,929	1,268,060	1,353,006
City and city suburban	449,000	535,400	614,870	597,891	621,611	662,258	685,719
Intercity	355,000	480,000	563,840	586,567	596,034	555,802	609,687
Charter hire and sightseeing	4,000	15,000	26,600	9,750	11,284	50,000	57,600
Taxes assignable to operations (1,000 dollars) [3]	66,331	69,000	96,100	91,081	86,435	97,394	107,854
City and city suburban	39,010	34,450	52,500	48,355	42,697	50,296	53,161
Intercity	27,020	33,550	40,600	42,029	42,931	44,223	51,813
Charter hire and sightseeing	300	1,000	3,000	697	807	2,875	2,880
Investment in plant and equipment (Dec. 31) (1,000 dollars)	[4] 663,162	[4] 712,600	[4] 758,000	822,130	857,399	1,074,418	[5]
Number of employees (Dec. 31)	[4] 145,000	[4] 154,900	[4] 170,362	175,267	192,017	201,262	229,809
Wages and salaries of employees (1,000 dollars)	[4] 270,844	[4] 332,900	[4] 433,000	404,645	512,364	578,274	[5]
SCHOOL BUS OPERATIONS							
Number of schools using busses	43,550	44,825	42,200	40,000	40,400	43,000	46,400
Number of busses [6]	79,000	77,850	75,500	80,000	82,500	85,900	90,400
Miles of route served (thousands)	1,383	1,598	1,543	1,725	1,915	1,870	2,013
Children carried daily (thousands)	4,259	4,425	4,490	4,700	4,710	4,952	5,416
Cost of service annually (1,000 dollars)	85,912	81,000	90,540	93,500	103,000	130,700	145,200

[1] Preliminary. [2] Includes revenue bus miles in line service, charter miles, and deadhead miles.
[3] Excludes income and excess-profit taxes. [4] Excludes charter hire and sightseeing; figures not available.
[5] Not available. [6] Exclusive of common carrier busses furnishing school service.

Source: Bus Transportation, Annual Review and Statistical Number; published by McGraw-Hill Publishing Co., Inc., New York, N. Y.

No. 621.—Aircraft Production and Exports: 1934 to 1948

[See also *Historical Statistics*, series K 239-245]

ITEM	1934	1940	1945	1946	1947	1948
PRODUCTION						
Number of aircraft produced—total	1,615	12,804	[1] 49,761	36,670	17,717	[2]
For U. S. military	393	[3] 6,019	[3] 47,714	1,669	2,100	[2]
Others	1,222	6,785	2,047	35,001	15,617	7,302
Value of all products [4]	43,891,925	[5] 370,000,000	[5] 8,279,000,000	[2]	[2]	[2]
EXPORTS						
Number of aircraft exported—total [6]	490	3,522	7,599	2,302	3,125	2,259
Value of aircraft exported—total [5]	8,195,484	196,260,556	663,128,543	65,257,749	74,476,912	66,354,000
Value of all exports [4]	17,662,938	311,871,473	1,148,851,587	115,320,235	172,189,502	153,629,000

[1] Includes United States-financed aircraft manufactured in Canada. [2] Not available.
[3] Includes military aircraft for lend-lease shipments.
[4] Value of aircraft, engines, parts, parachutes, etc.
[5] For military aircraft produced in U. S. only; computed by War Production Board in terms of August 1943 unit costs. 1940 figure for second half of year only; 1945 figure covers only first 8 months.
[6] Exclusive of gliders and barrage balloons.

Source: Department of Commerce, Civil Aeronautics Administration and Civil Aeronautics Board; Statistical Handbook of Civil Aviation.

No. 622.—Civil Aeronautics—Summary: 1934 to 1948

[See also *Historical Statistics*, series K 246-273]

ITEM	1934	1940	1945	1946	1947	1948 [1]
SCHEDULED AIR CARRIER OPERATIONS						
Number of operators, Dec. 31:						
Domestic	24	19	20	24	28	31
International	2	3	4	9	12	13
Route miles in operation—Dec. average	50,801	95,079	87,401	120,400	157,178	172,484
Domestic	28,609	42,757	48,516	53,981	62,215	68,674
International	22,192	52,322	38,885	66,419	95,503	103,810
Airplanes in service, Dec. 31	522	437	518	821	964	1,053
Domestic	423	369	421	674	810	878
International	99	68	97	147	154	175
Total personnel employed, Dec. 31, domestic	4,201	15,984	50,313	69,182	58,998	[2]
Pilots and copilots employed	667	1,939	4,967	5,712	5,034	[2]
Revenue miles flown (all services) (thousands)	49,065	119,753	241,578	369,265	411,535	436,270
Domestic	41,526	110,101	208,969	309,889	325,054	338,217
International	7,539	9,652	32,609	59,376	86,481	98,053
Revenue passengers carried	[3] 572,265	[3] 2,965,398	7,051,810	13,254,728	14,249,920	14,540,854
Domestic	475,461	2,802,781	6,576,252	12,213,445	12,890,208	13,168,105
International	96,804	162,617	475,558	1,041,283	1,359,712	1,372,749
Revenue passenger miles flown, domestic (thousands)	[4] 189,806	1,052,156	3,362,455	5,947,956	6,103,879	5,963,180
Average passenger-mile rate, domestic	$0.059	$0.0507	$0.0495	$0.0463	$0.0506	[2]
Express and freight, ton-miles flown	[2]	[2]	30,914,363	53,701,185	97,508,958	146,712,890
Domestic	[5] 597,293	3,476,224	22,196,852	38,610,717	64,678,213	101,376,560
International	[2]	[2]	8,717,511	15,090,468	32,890,745	45,336,330
Mail, ton-miles flown, domestic	[6] 2,237,175	10,117,858	[7] 65,092,921	[7] 32,953,307	[7] 33,086,175	[7] 37,925,396
Accidents, domestic:						
Number of accidents [8]	71	30	40	33	43	52
Revenue miles flown per accident	584,869	3,683,789	5,234,222	9,445,397	7,596,061	6,655,843
Total fatalities	29	45	88	97	222	98
Fatalities per 1,000,000 revenue miles flown	0.70	0.41	0.42	0.31	0.68	0.29
Accidents, international:						
Number of accidents [8]	2	6	5	14	9	12
Revenue miles flown per accident	3,769,553	1,608,622	6,521,741	4,336,510	9,797,378	[2]
Total fatalities	9	----	27	52	33	30
Fatalities per 1,000,000 revenue miles flown	1.19	----	0.83	0.86	0.37	[2]
MISCELLANEOUS [9]						
Miles airways implemented by Civil Aeronautics Administration [10]	19,081	32,100	43,285	43,403	45,393	57,368
Radio range stations, total [10]	112	292	360	414	465	709
Nondirectional radio beacons [10]	73	48	88	74	81	98
Airport traffic control towers, federally operated [10]	----	----	107	115	134	152
Airway traffic control centers, federally operated [10]	----	11	29	29	31	31
Interstate airways communications stations	205	365	438	397	403	437
Airports in operation, as recorded by CAA, total	2,297	2,331	4,026	4,490	5,759	6,414
Municipal [11]	980	1,031	1,220	1,424	1,818	2,050
Commercial [12]	872	860	1,509	1,930	2,849	2,989
CAA intermediate [13]	259	289	216	201	178	161
All others [14]	186	151	1,081	935	914	1,214
Pilots licensed (active) airplane	13,949	69,829	296,895	400,061	[15] 433,241	[16] 500,000
Total civil aircraft	8,322	17,928	37,789	[17] 81,002	[17] 94,821	[17] 95,997
Miles flown in civil flying other than scheduled air carrier (thousands)	75,602	264,000	[2]	[18] 874,740	[18] 1,502,420	[2]
Total accidents in non-air-carrier flying operations	1,491	3,471	4,652	7,618	9,253	7,850

[1] Preliminary.
[2] Not available.
[3] Data for domestic passengers include duplication. Data for 1934 include nonrevenue passengers.
[4] Includes nonrevenue miles.
[5] Excludes Colonial Airlines, Inc., and Hawaiian Airlines, Ltd.
[6] Excludes 224,236 ton-miles flown by U. S. Army.
[7] Excludes regular mail carried under special contract, and foreign mail.
[8] Revised in accordance with current definition of accident. Excludes propeller accidents to persons, accidents which occurred in military contract flying, and accidents of a minor nature which were carried in previous figures.
[9] Data as of December 31.
[10] Data include continental United States, and Territories and possessions wherever applicable.
[11] Public use and public services, municipally owned and/or operated.
[12] Public use and public services, privately owned and operated.
[13] Public emergency use, no services, CAA operated.
[14] Includes military (public restricted, military operated); private (public emergency use only, no public services, privately owned for personal use); and miscellaneous government (public emergency use only, no public services, Government-owned Forest Service, etc.).
[15] As of April 1, 1948.
[16] Estimated.
[17] Includes gliders.
[18] Estimated. 1946 includes 9,750,000 miles not elsewhere classified; 1947, 13,305,000 miles.

Source: Department of Commerce, Civil Aeronautics Administration; and Civil Aeronautics Board; Statistical Handbook of Civil Aviation.

No. 623.—Airports, by Class and by Type, by States: Jan. 1, 1949

[Data cover existing airports as of record with Civil Aeronautics Administration on Jan. 1, 1949. See also *Historical Statistics*, series K 257-258 for total and lighted airports]

State	Total	Class [1]						Type [2]				
		I (incl. Sub I	II	III	IV	V	VI and over	Commercial	Municipal	CAA intermediate	Military	All others
Total	6,414	4,065	1,009	561	448	187	144	2,989	2,050	161	398	816
Alabama	97	51	17	14	13	------	2	43	32	2	15	5
Arizona	187	76	44	38	14	12	3	43	40	5	44	55
Arkansas	91	55	13	15	8	------	------	46	30	------	------	15
California	463	259	69	41	36	35	23	193	142	9	39	80
Colorado	101	54	24	13	1	4	5	33	44	3	3	18
Connecticut	33	24	1	3	4	1	------	23	10	------	------	------
Delaware	20	13	4	------	1	------	2	15	2	------	1	2
Dist. of Columbia	3	------	------	------	1	1	1	------	------	------	2	1
Florida	208	58	32	44	48	11	15	50	93	2	55	8
Georgia	141	59	28	24	23	4	3	51	51	5	11	23
Idaho	109	84	11	9	2	------	3	13	56	3	2	35
Illinois	177	126	36	4	7	4	------	130	31	3	4	9
Indiana	169	115	34	9	9	2	------	129	30	1	5	4
Iowa	183	150	23	2	7	------	1	101	50	3	2	27
Kansas	202	141	22	16	5	10	8	87	86	3	11	15
Kentucky	67	56	2	4	4	------	1	43	12	1	2	9
Louisiana	95	54	17	10	9	2	3	27	30	4	6	28
Maine	73	49	6	12	2	2	2	39	24	------	3	7
Maryland	52	24	15	3	8	------	2	30	5	------	7	10
Massachusetts	80	57	4	9	7	------	3	53	21	------	4	2
Michigan	235	171	38	10	13	2	1	115	109	------	5	6
Minnesota	123	81	30	6	4	1	1	53	70	------	------	------
Mississippi	94	57	15	13	7	------	2	39	35	6	4	10
Missouri	119	75	24	11	5	3	1	67	40	5	3	4
Montana	101	64	18	8	5	2	4	16	58	10	1	16
Nebraska	137	103	18	------	4	2	10	58	56	4	2	17
Nevada	59	21	5	14	9	9	1	21	22	6	5	5
New Hampshire	32	21	5	3	2	------	1	16	12	------	1	3
New Jersey	93	63	17	7	4	------	2	71	11	------	5	6
New Mexico	111	68	14	6	9	8	6	31	33	11	8	28
New York	276	215	30	12	13	4	2	178	47	2	8	41
North Carolina	151	103	14	16	12	2	4	93	35	1	13	9
North Dakota	91	67	15	3	6	------	------	38	47	6	------	------
Ohio	251	190	41	9	7	2	2	195	34	4	4	14
Oklahoma	165	105	24	14	13	6	3	71	79	2	5	8
Oregon	115	75	9	12	14	4	1	37	44	4	------	30
Pennsylvania	225	171	33	13	8	------	------	174	39	3	5	4
Rhode Island	11	7	------	2	------	2	------	7	2	------	2	------
South Carolina	67	30	13	5	10	6	3	20	37	2	5	3
South Dakota	68	51	6	3	4	2	2	23	41	1	1	2
Tennessee	78	40	24	7	6	1	------	41	23	7	2	5
Texas	624	371	113	61	43	27	9	192	156	21	70	185
Utah	59	24	11	15	4	4	1	7	37	8	4	3
Vermont	23	19	------	4	------	------	------	12	9	------	1	1
Virginia	127	88	14	10	11	2	2	69	23	2	14	19
Washington	164	102	23	10	17	5	7	56	69	4	11	24
West Virginia	52	36	10	2	3	1	------	35	11	2	------	4
Wisconsin	157	115	28	9	3	1	1	91	56	1	2	7
Wyoming	55	27	15	6	3	3	1	14	26	5	1	9

[1] Class I airports are for private owners of smaller type aircraft (Sub I airports are those below Class I standards); Class II, private owners of largest type aircraft and feeder transport aircraft; Class III, present day transport aircraft; Classes IV and over, largest aircraft now in use and those planned for immediate future.

[2] Airport type definitions: Commercial—Public use and public services, privately owned and operated. Municipal—Public use and public services, municipally owned and/or operated. CAA Intermediate—Public emergency use, no services, CAA operated. Military—Public restricted, military operated. All others—(a) Public emergency use only, no public services, privately owned for personal use; (b) Public emergency use only, no public services, Government-owned Forest Service, etc.

Source: Department of Commerce, Civil Aeronautics Administration; Statistical Handbook of Civil Aviation.

21. Waterways, Water Traffic, and Shipping

Data in this section cover the following areas unless otherwise indicated: From Corps of Engineers, Department of the Army, Bureau of Census, Bureau of Customs, and Bureau of Foreign and Domestic Commerce, United States customs area which includes Alaska, Hawaii, and Puerto Rico, and, from Jan. 1, 1935, through Dec. 31, 1939, Virgin Islands; from United States Maritime Commission and War Shipping Administration, continental United States. Beginning with 1946, data on waterborne foreign commerce will be compiled by Bureau of Census.

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.

Vessel entrances and clearances.—The tables on vessel entrances and clearances show the number and net registered tonnage of American and foreign dry cargo and tanker vessels with cargo and in ballast entering and clearing the United States customs area in the foreign trade and indicate the customs districts at which these vessels first entered and from which they last cleared. All types of watercraft engaged in the foreign trade which are required to make formal entrance and clearance under United States customs regulations are included in the statistics. Army and Navy vessels entering or clearing without commercial cargo are not included in the figures. The tons shown in tables 646–651 are net tons of 100 cubic feet carrying capacity of the vessels (as defined in Part 16 of Title 46, "Code of Federal Regulations, Measurements of Vessels") and do not represent the actual weight of cargo carried.

A vessel is reported as entered at the first port in the United States at which entry is made, regardless of whether any cargo is unladen at that port. Vessels touching at a United States port in distress, or for other temporary causes without discharging cargo are not included in the figures.

A vessel is reported as cleared from the last port where outward cargo is completed or where the vessel cleared in ballast. Vessels touching at a United States port in distress, or for other temporary causes without discharging cargo are not included in the figures.

Historical statistics.—In this section, tabular headnotes (as "See also *Historical Statistics*, series K 132–145") provide cross-references, where applicable, to Historical Statistics of the United States, 1789–1945. In that historical supplement to the Statistical Abstract, statistics are carried back year by year as far as possible. See also the historical appendix of the present issue of the Abstract for specific titles of series and the earliest year shown in the supplement.

No. 624.—Water-Borne Commerce of the United States—Cargo Tonnage, Foreign and Domestic: 1942 to 1947

[**In thousands of short tons of 2,000 pounds.** See also *Historical Statistics*, series K 132–145]

CLASS	1942	1943	1944	1945	1946	1947 [1]
Foreign commerce, total	99,221	127,285	153,736	172,093	148,847	186,814
Imports, through seaports	25,974	33,077	39,441	44,526	47,948	57,366
Exports, through seaports	46,023	63,086	82,613	100,333	76,589	101,996
Imports, Great Lakes ports	4,488	7,120	8,055	6,511	4,153	4,434
Exports, Great Lakes ports	22,736	24,002	23,627	20,723	20,157	23,018
Domestic commerce, unadjusted total	777,595	669,546	706,286	698,202	729,929	(1)
Coastwise, between ports	73,977	59,790	70,806	90,691	137,603	157,275
Great Lakes, between ports	172,685	159,458	164,994	157,914	138,621	152,330
Local traffic of seaports and Great Lakes ports	111,996	106,278	114,132	104,675	97,115	[2] 115,523
Traffic between seaports and river points	84,941	86,634	87,928	80,234	75,783	[3] 149,614
Traffic on rivers, canals, and connecting channels [4]	333,996	257,386	268,426	264,688	280,807	----------
Foreign and domestic, unadjusted total	876,816	796,831	860,022	870,295	878,776	(1)
Deduction of duplications:						
Traffic between seaports and river points	84,941	86,634	87,928	80,234	75,783	(1)
Other duplications (canals, etc.) [5]	201,975	129,616	166,166	171,155	185,961	(1)
Net total, foreign and domestic	589,900	580,581	605,928	618,906	617,032	761,556
Approximate net total, domestic	[6] 490,679	[6] 453,296	[6] 452,192	[6] 446,813	[6] 468,185	574,742

[1] Figures are net for each type of traffic; no adjustments required to arrive at net totals. Data are preliminary.
[2] Represents traffic local to seaports, Great Lakes ports, and communities on inland waterways.
[3] Represents traffic among ports and communities utilizing inland waterways exclusively.
[4] Excluding St. Marys Falls Canal traffic (91,587,000 tons in 1946) and additional Detroit River traffic (16,292,000 in 1946), data for which are already included in figures for Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.
[5] Principally coastwise and lake traffic passing through canals and connecting channels other than the St. Marys Falls Canal and Detroit River.
[6] Estimated from figures in this table on assumption that all deductions represent duplications in domestic traffic; includes some minor duplications in figures for foreign traffic.

Source: Department of the Army, Corps of Engineers; Annual Report of Chief of Engineers, Part II, except for 1947 data which are preliminary.

No. 625.—Freight Traffic on New York State Canals—Tonnage Moved: 1837 to 1948

[**In short tons of 2,000 pounds.** Excludes tonnage handled over State terminals but not moved through any portion of canal channel. East-bound tonnage is that moving toward Albany, west-bound is that moving away from Albany. See also *Historical Statistics*, series K 170]

YEARLY AVERAGE	TONS	YEARLY AVERAGE	TONS	YEARLY AVERAGE OR YEAR	TONS
1837–1840	1,339,016	1886–1890	5,281,441	1936–1940	4,838,271
1841–1845	1,613,317	1891–1895	4,112,061	1941–1945	3,266,368
1846–1850	2,781,410	1896–1900	3,544,951	1941	4,503,059
1851–1855	3,976,501	1901–1905	3,335,210	1942	3,539,101
1856–1860	3,911,407	1906–1910	3,238,129	1943	2,824,160
1861–1865	5,049,341	1911–1915	2,448,837	1944	2,506,840
1866–1870	5,987,724	1916–1920	1,348,365	1945	2,968,682
1871–1875	5,974,097	1921–1925	1,905,291	1946	2,820,541
1876–1880	5,219,888	1926–1930	2,904,575	1947	3,790,050
1881–1885	5,210,389	1931–1935	4,014,269	1948	4,513,817

COMMODITY	1935	1940	1945	1946	1947	1948
Freight, east-bound, tons	1,488,315	1,924,834	1,812,554	934,015	972,760	1,021,752
Petroleum and its products	33,170	313,654	764,717	159,140	21,947	58,247
Grain	614,855	656,472	604,105	464,165	568,077	633,365
Pulpwood	8,450	33,450	104,705	160,571	209,440	158,914
Other	831,840	921,258	339,027	150,139	173,296	171,226
Freight, west-bound, tons	3,000,857	2,843,326	1,156,128	1,886,526	2,817,290	3,492,065
Petroleum and its products	1,772,627	1,788,346	818,945	1,794,051	2,629,309	3,262,988
Other	1,228,230	1,054,980	337,183	92,475	187,981	229,077

Source: State of New York, Department of Public Works; annual statements on canal tonnages.

No. 626.—Commerce of Principal United States Ocean Ports: 1947

[**In thousands of short tons of 2,000 pounds.** In addition to commerce here shown, many ports have (1) commerce with ports on internal rivers and canals; (2) purely local port traffic, including, for 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 aggregate tonnage is large, are of much less economic importance than foreign and coastwise traffic]

PORT	Imports	Exports	COASTWISE	
			Receipts	Shipments
Total [1]	**57,366**	**101,996**	**151,330**	**151,330**
ATLANTIC PORTS				
Searsport, Maine	7	152	593	6
Portland, Maine	2,727	153	3,212	558
Beverly, Mass	------	------	411	9
Salem, Mass	------	------	354	------
Lynn, Mass	------	------	267	6
Boston, Mass	3,253	539	11,399	715
New Bedford and Fairhaven, Mass	------	------	407	37
Fall River, Mass	66	------	1,136	140
Providence, R. I	695	7	5,074	347
New London, Conn	8	1	124	12
New Haven, Conn	528	35	3,405	833
Bridgeport, Conn	------	2	1,891	468
Stamford, Conn	------	------	528	54
New York Harbor, N. Y.	16,211	15,533	38,259	8,446
Hempstead, N. Y	------	------	732	1,061
Albany, N. Y	72	435	2,159	9
Northport Bay, N. Y	------	------	30	2,155
Philadelphia, Pa [2]	10,793	8,949	20,122	2,880
Baltimore, Md	8,683	15,928	6,095	1,053
Hampton Roads, Va	2,099	21,146	2,309	15,095
Wilmington, N. C	67	18	1,939	4
Charleston, S. C	495	1,903	1,874	31
Savannah, Ga	1,024	276	978	82
Jacksonville, Fla	418	27	1,908	81
Hollywood (Port Everglades), Fla	215	80	1,402	42
Miami, Fla	247	56	363	62
San Juan, P. R	376	20	977	253
Ponce Harbor, P. R	66	70	141	16
St. Thomas, V. I	------	------	16	177
GULF PORTS				
Charlotte, Fla	------	30	10	466
Tampa, Fla	168	447	2,493	619
St. Josephs, Fla	------	8	1,637	1
Pensacola, Fla	111	2,156	------	------
Mobile, Ala	1,750	2,129	419	492
GULF PORTS—con.				
New Orleans, La	3,553	5,595	811	6,777
Baton Rouge, La	------	545	218	2,683
Lake Charles, La [3]	31	651	188	5,430
Terrebonne Bay, La	------	------	------	802
Beaumont, Tex	3	437	1,238	16,992
Port Arthur, Tex	89	3,548	1,715	14,410
Sabine Pass, Tex	------	------	------	198
Galveston, Tex	290	3,992	16	1,244
Texas City, Tex	21	477	601	6,362
Houston, Tex	275	4,504	582	18,893
Port Aransas, Tex	------	105	39	10,264
Corpus Christi, Tex	11	1,511	84	7,482
Brazos Island, Tex	202	275	28	995
PACIFIC PORTS				
Los Angeles, Calif	407	2,317	2,646	6,816
Long Beach, Calif	203	747	2,008	1,464
San Luis Obispo, Calif	11	597	30	4,589
San Diego, Calif	9	8	989	4
El Segundo, Calif	------	215	697	693
Ventura, Calif	------	------	------	472
Ellwood, Calif	------	------	------	409
Capitan, Santa Barbara County, Calif	------	------	------	94
Estero Bay, Calif	------	107	19	2,990
San Francisco Bay, Calif	726	2,731	9,928	7,486
Coos Bay, Oreg	------	359	36	227
Portland, Oreg	75	1,343	5,352	370
Vancouver, Wash	------	31	26	94
Grays Harbor, Wash	------	53	103	127
Port Gamble, Wash	------	6	------	26
Olympia, Wash	28	20	------	39
Tacoma, Wash	212	378	619	151
Seattle, Wash	171	829	4,477	563
Bellingham, Wash	104	34	38	22
Port Angeles, Wash	92	7	23	53
Port Townsend, Wash	110	3	10	7
Everett, Wash	79	52	154	80
Honolulu, Hawaii	39	64	1,888	755
Hilo, Hawaii	15	4	253	325
Kahului, Hawaii	8	------	184	277

[1] Includes data for ports not shown separately. Data for car ferry and bunker fuel excluded from total but included in some port figures.
[2] Port area including Delaware River and tributaries; Trenton, N. J., to the sea.
[3] Including Calcasieu River and Pass.

Source: Department of the Army, Corps of Engineers. Data are preliminary. Revised data will be published in Annual Report of Chief of Engineers, Part II.

No. 627.—Commerce of Principal Great Lakes Ports: 1944 to 1947

[In thousands of short tons of 2,000 pounds. Foreign imports and exports and coastwise receipts and shipments are included]

PORT	RECEIPTS				SHIPMENTS			
	1944	1945	1946	1947 [1]	1944	1945	1946	1947 [1]
Total	173,026	164,394	143,808	167,839	188,643	178,669	157,776	187,126
Agate Bay, Minn	207	200	200	212	21,432	19,535	15,442	18,811
Alpena, Mich	188	200	317	285	2,604	1,902	1,704	2,064
Ashland, Wis	699	675	825	830	6,185	4,779	4,115	5,825
Ashtabula, Ohio	9,434	8,147	7,986	10,275	6,048	5,097	4,047	4,719
Buffalo, N. Y	19,730	19,802	13,479	16,760	1,322	1,434	1,572	1,661
Buffington, Ind	410	576	784	825	59	56	92	99
Calcite, Mich	100	122	109	136	8,622	9,590	10,800	12,065
Chicago, Ill.[2]	15,868	13,344	11,060	14,513	2,213	1,471	2,035	3,430
Cleveland, Ohio	18,577	17,018	14,381	16,777	1,540	1,268	1,703	2,202
Conneaut, Ohio	13,146	11,765	9,492	12,311	2,348	2,156	2,384	3,221
Detour, Mich	575	579	417	526	6	6	264	597
Detroit, Mich	15,591	14,705	14,522	16,907	557	473	733	727
Duluth-Superior	12,071	10,767	11,992	10,939	55,060	54,564	42,207	53,452
Erie, Pa	6,787	7,033	3,865	5,563	1,787	1,930	1,766	1,673
Escanaba, Mich	348	344	356	364	6,408	5,191	3,386	4,591
Fairport, Ohio	2,993	2,802	1,819	1,265	1,795	1,598	1,312	1,290
Frankfort, Mich	1,247	1,197	1,171	1,228	544	613	507	623
Gary, Ind	10,288	10,538	8,560	8,626	12	25	70	143
Grand Haven, Mich	134	137	128	128	347	391	548	771
Great Sodus Bay, N. Y					1,640	1,465	1,371	2,022
Green Bay, Wis	2,547	2,549	2,945	3,218	2	2	3	5
Huron, Ohio	970	833	976	1,226	512	379	729	1,303
Indiana Harbor, Ind	9,295	9,050	6,967	9,092	3,937	3,884	4,166	3,965
Kewaunee, Wis	401	409	295	379	702	618	599	633
Lorain, Ohio	6,257	6,452	5,932	8,003	2,782	3,083	2,483	3,037
Ludington, Mich	1,580	1,685	1,576	1,814	1,332	1,312	1,222	1,387
Manistee, Mich	240	257	239	240	606	479	500	689
Manitowoc, Wis	1,095	1,141	1,054	1,132	925	953	953	968
Marblehead, Ohio			1,024		1,061	613		1,156
Marquette, Mich	189	197	192	218	342	563	377	580
Marysville, Mich	525	429	500	722	34	20	26	18
Menominee, Mich. and Wis	664	640	714	784	96	102	115	102
Milwaukee, Wis	6,439	6,242	6,299	6,690	1,570	1,743	1,596	1,803
Muskegon, Mich	1,193	1,197	1,382	1,446	863	824	977	1,046
Ogdensburg, N. Y	216	227	274	247	178	152	243	278
Oswego, N. Y	891	1,263	901	1,075	1,123	840	547	984
Port Inland Harbor, Mich	3	3	1	2	3,698	3,490	2,781	3,863
Port Washington, Wis	468	402	412	525				
Presque Isle, Mich					3,795	3,747	2,447	4,681
Rochester (Charlotte), N. Y	168	224	249	243	1,774	1,902	1,659	1,615
Rockport, Mich	8	14	7	7	674	740	958	1,197
Saginaw River, Mich	2,083	2,188	2,341	2,903	104	63	117	48
Sandusky, Ohio	9	5	12	7	14,242	13,132	12,236	11,692
Sheboygan, Wis	549	605	568	526				
Toledo, Ohio	4,820	4,478	3,549	4,497	26,921	25,547	25,839	25,001
Tonawanda, N. Y	453	415	454	439	19	15	6	
All other	3,565	3,543	3,483	3,924	826	924	1,140	1,089

[1] Preliminary.
[2] Includes Chicago Harbor and River, Calumet Harbor and River, Lake Calumet, Calumet-Sag Canal, and Chicago Sanitary and Ship Canal to Sag Junction.

Source: Department of the Army, Corps of Engineers; Annual Report of Chief of Engineers, Part II.

No. 628.—Freight and Passenger Traffic on St. Marys Falls Canal (Sault Ste. Marie): 1890 to 1947

[Includes both American and Canadian canals and traffic to and from Canadian as well as American ports. Average distances, ton-miles, freight charges, etc., based on total haul from port of origin to port of destination in process of performance by vessels passing through canals]

Season	Freight carried (1,000 short tons of 2,000 pounds)					Total ton-miles (millions)	Freight charges	
	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
1895	15,063	12,030	3,033	14,497	566	12,503	14,239	1.14
1900	25,643	20,532	5,111	24,896	747	21,179	24,953	1.18
1905	44,271	36,779	7,492	42,061	2,210	36,893	31,421	.85
1910	62,363	47,134	15,229	58,569	3,794	52,406	38,711	.74
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71
1920	79,282	63,464	15,818	74,866	4,416	64,702	85,742	1.33
1925	81,875	67,305	14,570	75,764	6,111	65,577	71,093	1.08
1930	72,898	57,067	15,831	67,560	5,338	59,058	61,159	1.04
1934	42,248	30,455	11,793	36,218	6,030	34,412	35,153	1.02
1935	48,293	37,192	11,101	41,532	6,761	39,141	41,783	1.07
1936	69,529	54,843	14,686	61,185	8,344	56,322	58,963	1.05
1937	87,634	72,131	15,503	85,817	1,817	71,150	76,135	1.07
1938	40,043	29,053	10,990	37,775	2,268	32,022	36,314	1.10
1939	69,850	58,483	11,367	60,045	9,805	56,539	66,054	1.17
1940	89,360	76,635	12,725	79,116	10,244	71,807	74,118	1.03
1941	110,768	95,774	14,994	97,387	13,381	88,946	102,792	1.15
1942	120,119	104,139	15,980	105,255	14,864	95,903	111,470	1.16
1943	115,578	97,380	18,198	102,404	13,174	92,069	110,377	1.20
1944	116,985	98,480	18,505	103,579	13,406	93,424	122,786	1.31
1945	112,983	96,729	16,254	98,858	14,125	90,390	(1)	(1)
1946	91,587	72,614	18,973	89,648	1,939	(1)	(1)	(1)
1947	110,732	91,784	18,948	96,971	13,761	(1)	(1)	(1)

Commodity		1920	1925	1930	1935	1940	1945	1946	1947
Passengers carried	number	68,451	56,956	45,303	32,937	53,129	46,044	87,871	90,500
Freight, east-bound	1,000 tons [2]	63,464	67,305	57,067	37,192	76,635	96,729	72,614	91,784
Flour	do	748	929	853	684	480	108	70	54
Wheat	do	4,304	8,785	7,318	5,388	6,660	14,436	7,357	7,580
Other grain	do	1,236	3,163	1,204	876	1,087	3,031	2,156	2,356
Lumber	do	358	367	303	72	47	2		
Pulpwood	do				239	692	619	788	826
Iron ore	do	56,643	53,821	46,990	29,277	65,842	77,719	61,819	80,456
All other	do	175	240	399	656	1,827	814	424	512
Freight, west-bound	1,000 tons [2]	15,818	14,570	15,831	11,101	12,725	16,254	18,973	18,948
Coal	do	14,156	12,874	14,059	9,162	10,174	13,837	15,911	15,833
All other	do	1,662	1,696	1,772	1,939	2,551	2,417	3,062	3,115

[1] Not available. [2] Short tons of 2,000 pounds.

No. 629.—Freight and Passenger Traffic on Ohio River: 1937 to 1947

Year	Short tons	Ton-miles	Value	Passengers carried [1]	Year	Short tons
	Thousands	*Thousands*	*1,000 dollars*	*Number*		*Thousands*
1937	23,357	2,671,926	276,701	1,728,539	**1946—Total**	**35,851**
1938	20,587	2,578,825	278,394	1,588,560	Up [3]	5,995
1939	25,955	3,360,454	(2)	1,533,758	Down [3]	8,940
1940	29,549	3,852,508	(2)	1,957,308	Inbound	16,920
1941	36,557	5,197,440	(2)	1,554,319	Outbound	3,996
1942	38,281	5,299,847	(2)	1,034,190		
1943	36,610	5,996,347	(2)	1,191,350	**1947—Total**	**41,397**
1944	37,801	7,004,056	(2)	1,148,294	Up [3]	7,140
1945	33,868	6,064,699	(2)	1,145,627	Down [3]	9,502
1946	35,851	4,999,560	(2)	1,053,511	Inbound	20,571
1947	41,397	5,746,076	(2)	1,534,856	Outbound	4,184

[1] No data included for ferry traffic. [2] No data. [3] Includes through traffic.

Source of tables 628 and 629: Department of the Army, Corps of Engineers; Annual Report, Chief of Engineers, Part II, and records.

No. 630.—Commerce on Principal Rivers, Canals, and Connecting Channels of the United States: 1942 to 1947

[In thousands of short tons of 2,000 pounds. Excludes general ferry traffic, car ferry traffic, and cargoes in transit]

WATERWAY	1942	1943	1944	1945	1946	1947 [1]
RIVERS						
Connecticut River (below Hartford, Conn.)	1,094	874	1,054	1,116	1,400	1,604
Hudson River, N. Y. (mouth of Spuyten Duyvil Creek to Waterford, N. Y.)	6,965	4,056	3,303	5,747	9,181	10,849
Delaware River, Philadelphia to Trenton, N. J	5,778	4,992	4,241	4,261	5,093	5,832
Potomac River (below Washington, D. C.)	3,451	2,086	1,338	1,936	1,971	2,041
James River, Va	3,383	2,749	2,329	1,469	2,214	2,506
Cape Fear River at and below Wilmington, N. C	892	650	1,062	1,169	2,103	2,345
Apalachicola, Chattahoochee, and Flint Rivers, Ga. and Fla	402	821	1,438	1,021	233	232
Mobile River, Ala., tributaries	2,222	2,532	1,453	2,382	2,576	3,274
Black Warrior, Warrior, and Tombigbee Rivers, Ala	2,187	1,653	1,440	1,492	1,372	1,848
Bayou Lafourche, La	933	1,090	762	685	849	879
Petit Anse, Tigre, and Carlin Bayous, La	253	263	735	1,019	1,104	1,382
San Joaquin River, Calif	634	671	996	1,220	1,024	730
Sacramento River, Calif	894	833	849	956	1,078	1,380
Columbia and Lower Willamette Rivers below Vancouver, Wash., and Portland, Oreg	15,612	16,345	15,701	16,635	14,232	15,938
Columbia River from Vancouver, Wash., to The Dalles, Oreg	2,106	1,843	1,509	1,417	1,826	2,007
Willamette River above Portland and Yamhill River, Oreg	3,481	4,892	5,236	2,877	3,979	4,942
Snohomish River, Wash	2,048	2,078	2,000	1,778	1,783	1,882
Illinois Waterway, Ill	6,790	6,445	7,804	6,591	6,914	10,165
Mississippi River, Minneapolis, Minn., to the Passes	36,243	37,842	44,671	43,969	41,308	51,427
Allegheny River, Pa	2,817	2,984	2,797	2,416	2,565	2,734
Monongahela River, Pa., and W. Va	33,836	30,816	30,769	26,556	25,429	31,742
Muskingum River, Ohio	1,172	1,402	1,291	498	297	356
Kanawha River, W. Va	5,855	5,045	4,844	4,499	4,524	5,367
Ohio River, Pittsburgh to mouth [2]	38,281	36,610	37,801	33,868	35,851	41,397
Cumberland River, Tenn. and Ky	1,226	712	774	814	1,027	1,206
Tennessee River, Tenn., Ala., and Ky	2,837	2,869	2,348	2,163	2,399	2,792
FEDERAL CANALS AND CONNECTING CHANNELS						
Cape Cod Canal, Mass	18,690	16,513	18,851	14,684	10,656	11,925
Inland waterway from Delaware River to Chesapeake Bay, Del. and Md	10,827	7,450	5,354	3,690	3,698	5,388
Waterway from Winyah Bay to Charleston, S. C	428	577	736	515	341	[3]
Waterway from Charleston to Beaufort, S. C	245	587	855	591	129	[3]
Waterway between Beaufort, S. C., and St. Johns River, Fla	742	1,337	1,891	1,497	598	[3]
Gulf County Canal, Fla	589	819	905	805	116	59
Lake Charles Deep Water Channel, La	12,346	11,418	13,340	10,288	6,854	8,494
Intracoastal Waterway, Mississippi River to Atchafalaya River, La., alternate route	3,477	3,284	2,358	1,693	1,533	1,878
Gulf Intracoastal Waterway, Apalachee Bay, Fla., to the Mexican border [4]	21,268	22,045	24,085	23,045	20,457	22,801
Sabine-Neches Waterway, Tex	20,536	14,532	16,545	26,318	43,595	47,644
Channel from Aransas Pass (Port Aransas) to Corpus Christi, Tex	6,710	7,375	9,554	13,074	19,885	22,242
Detroit River, Mich	18,373	16,758	17,319	16,533	16,292	19,072
St. Marys Falls Canal, Mich. [5]	120,119	115,578	116,985	112,983	91,587	110,732
Grays Reef Passage, Mich	5,124	5,384	5,985	4,905	5,217	6,885
Lake Washington Ship Canal, Wash	2,847	2,360	3,006	2,183	2,167	2,015
Multnomah Channel, Oreg	1,630	2,412	2,750	2,363	1,466	1,589
STATE AND PRIVATE CANALS						
New York State Barge Canal [6]	3,539	2,824	2,507	2,969	2,821	3,790
Navigation Canal, Inner Harbor, La	4,784	5,358	2,388	1,430	1,276	2,044

[1] Preliminary. [2] See also table 629. [3] Not available.
[4] Figures are for Intracoastal Waterway, St. Marks River, Fla., to Corpus Christi, Tex., for 1942.
[5] See also table 628. [6] See also table 625.

Source: Department of the Army, Corps of Engineers; Annual Report of Chief of Engineers, Part II, except for 1947 data which are preliminary.

No. 631.—American Flag Steam and Motor Merchant Vessels: 1937 to 1948

[**Dead weight tonnage in thousands.** Covers vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types and vessels employed on Great Lakes.]

Date and type of vessel	All vessels		Active vessels												Inactive vessels		Special service	
			Total		Foreign trade		Domestic trade											
							Total		Coastwise		Intercoastal		Noncontiguous					
	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons
1937, June 30	**1,517**	**12,335**	**1,231**	**10,251**	**426**	**3,643**	**805**	**6,608**	**563**	**4,467**	**164**	**1,607**	**78**	**534**	**286**	**2,085**		
Combination	185	1,204	159	1,051	99	753	60	298	40	147	7	87	13	64	26	153		
Cargo	975	7,231	721	5,344	275	2,286	446	3,058	241	1,253	145	1,373	60	433	254	1,887		
Tankers	357	3,900	351	3,856	52	604	299	3,252	282	3,067	12	147	5	37	6	44		
1938, June 30	**1,422**	**11,814**	**1,060**	**9,019**	**366**	**3,301**	**694**	**5,718**	**494**	**3,946**	**121**	**1,207**	**79**	**565**	**362**	**2,795**		
Combination	167	1,108	125	764	76	562	49	202	38	145	1	9	10	48	42	344		
Cargo	882	6,557	592	4,436	213	1,808	379	2,629	205	1,073	111	1,082	63	474	290	2,121		
Tankers	373	4,149	343	3,819	77	931	266	2,888	251	2,728	9	116	6	43	30	330		
1939, June 30	**1,398**	**11,699**	**1,091**	**9,303**	**319**	**2,804**	**772**	**6,499**	**543**	**4,359**	**165**	**1,641**	**64**	**500**	**306**	**2,391**	**1**	**5**
Combination	163	1,079	131	856	78	621	53	235	37	139	6	47	10	49	32	224		
Cargo	851	6,364	608	4,540	193	1,619	415	2,921	229	1,197	137	1,331	49	393	242	1,819	1	5
Tankers	384	4,256	352	3,908	48	565	304	3,343	277	3,022	22	263	5	57	32	348		
1940, June 30	**1,300**	**11,019**	**1,118**	**9,643**	**425**	**3,749**	**693**	**5,893**	**500**	**4,172**	**122**	**1,189**	**71**	**532**	**181**	**1,367**	**1**	**10**
Combination	140	873	112	696	66	514	46	182	36	129	1	8	9	45	28	176		
Cargo	790	6,020	641	4,882	291	2,443	350	2,438	188	988	109	1,033	53	417	148	1,129	1	10
Tankers	370	4,126	365	4,065	68	791	297	3,273	276	3,054	12	148	9	70	5	62		
1941, June 30	**1,168**	**10,096**	**1,134**	**9,888**	**471**	**4,052**	**663**	**5,836**	**488**	**4,261**	**94**	**947**	**81**	**628**	**31**	**177**	**3**	**31**
Combination	94	541	87	513	43	348	44	165	34	118			10	47	6	15	1	13
Cargo	716	5,472	691	5,306	358	2,966	333	2,340	179	937	90	890	64	512	23	148	2	18
Tankers	358	4,083	356	4,070	70	739	286	3,331	275	3,205	4	56	7	69	2	13		
1946, Sept. 30	**4,422**	**46,540**	**2,332**	**25,400**	**1,890**	**20,593**	**442**	**4,807**	**297**	**3,483**	**54**	**563**	**91**	**761**	**2,090**	**21,140**		
Combination	86	555	25	166	15	128	10	38					10	38	61	389		
Cargo	3,442	33,380	1,833	18,111	1,607	16,201	226	1,910	101	730	53	561	72	619	1,609	15,269		
Tankers	894	12,605	474	7,123	268	4,264	206	2,859	196	2,753	1	2	9	104	420	5,482		
1947, Dec. 31	**3,696**	**38,882**	**2,114**	**23,651**	**1,603**	**17,238**	**511**	**6,413**	**381**	**5,104**	**68**	**742**	**62**	**567**	**1,582**	**15,231**		
Combination	95	742	38	284	32	259	6	25					6	25	57	458		
Cargo	2,977	29,206	1,628	16,561	1,434	14,779	194	1,782	82	659	65	692	47	431	1,349	12,645		
Tankers	624	8,934	448	6,806	137	2,200	311	4,606	299	4,445	3	50	9	111	176	2,128		
1948, June 30	**3,490**	**36,774**	**1,723**	**19,552**	**1,246**	**13,767**	**477**	**5,785**	**327**	**4,329**	**66**	**721**	**84**	**735**	**1,767**	**17,222**		
Combination	77	601	48	385	41	357	7	28					7	28	29	216		
Cargo	2,887	28,674	1,221	12,424	1,023	10,592	198	1,832	68	569	62	667	68	596	1,666	16,250		
Tankers	526	7,499	454	6,743	182	2,818	272	3,925	259	3,760	4	54	9	111	72	756		

Source: U. S. Maritime Commission, records.

No. 632.—Merchant and Military-Type Vessels Delivered Under United States Maritime Commission Shipbuilding Program—Number and Dead Weight Tonnage: 1939 to 1948

[Includes vessels built for foreign and private account]

TYPE	1939–1948, total		1943		1944		1945		1946		1947		1948	
	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Number	Dead weight tons	Num-Dead	Dead weight tons	Number	Dead weight tons
Total [1]	5,934	57,756,613	1,950	19,211,991	1,786	16,299,985	1,097	10,598,154	93	902,706	38	312,370	22	239,263
Major types, total	4,487	51,638,073	1,590	17,925,066	1,174	13,867,561	717	8,684,927	67	779,975	35	305,870	17	163,663
Dry cargo, total	3,775	40,141,711	1,376	14,691,366	950	10,135,321	565	6,119,220	65	754,675	34	278,870	13	84,563
Standard cargo [2]	616	6,116,202	138	1,330,245	124	1,209,321	111	1,205,570	56	669,437	27	211,251	12	74,124
Emergency cargo	3,122	33,674,106	1,238	13,361,121	826	8,926,000	454	4,913,650						
Liberty type	2,708	29,182,456	1,238	13,361,121	722	7,797,600	144	1,550,400						
Victory type	414	4,491,650			104	1,128,400	310	3,363,250						
Combination—Passenger and cargo	36	337,003							9	85,238	7	67,619	1	10,439
Passenger	1	14,400												
Tankers, total	712	11,496,362	214	3,233,700	224	3,732,240	152	2,565,707	2	25,300	1	27,000	4	79,100
Standard tankers	650	10,826,762	157	2,618,100	219	3,678,240	152	2,565,707	2	25,300	1	27,000	4	79,100
Emergency tankers	62	669,600	57	615,600	5	54,000								
Minor types, total	760	2,723,915	204	654,632	237	650,847	263	1,190,519	21	30,961	3	6,500	5	75,600
Barges	123	454,631	58	232,637	62	221,110	3	884						
Concrete	80	367,829	27	170,237	51	196,708	2	884						
Steel	2	(3)			1	(3)	1	(3)						
Wooden	41	86,802	31	62,400	10	24,402								
Car floats	35	29,575			35	29,575								
Coastal cargo [4]	359	1,470,764	31	87,411	72	285,651	228	1,054,945	19	21,161	1	2,000	2	2,400
Coastal tanker	69	225,291	29	73,286	5	7,415	31	134,690			2	4,500		
Concrete cargo	24	116,714	2	9,618	22	107,096								
Tugs	124		68		41		1							
Ore carrier	24	417,140	16	251,680									3	73,200
Cable ships	2	9,800							2	9,800				
Military types	687	3,394,625	156	632,293	375	1,781,577	117	722,708	5	91,770				
Passenger and cargo	11	66,120	3	19,521										
Transport	272	1,518,699	22	123,522	182	982,612	66	398,165						
Tender	2	14,731												
Frigates	96	96,000	29	29,000	67	67,000								
Tank carrier	75	171,450	60	137,160										
Aircraft carrier	58	191,131	23	78,320	31	89,807								
Cargo	96	556,471	9	69,410	52	326,552	33	143,271						
Tanker	77	780,023	10	175,360	43	315,606	18	181,272	5	91,770				

[1] Excludes 1,215 small craft for which dead weight tonnage is not available.
[2] Excludes 33 vessels of 250,800 dead weight tons for which contracts were taken over by U. S. Navy before completion.
[3] Not available.
[4] Excludes 14 vessels of 39,200 dead weight tons originally under U. S. M. C. contract and later taken over by U. S. Navy for completion. 4 vessles of 12,180 dead weight tons were completed by Navy and delivered to U. S. M. C.

Source: U. S. Maritime Commission, records.

No. 633.—United States Merchant Marine—Summary: 1789 to 1948

[For definition of "gross ton" see general note. p. 568. See also *Historical Statistics*, series K 94–98 and K 101–104]

JUNE 30 (EXCEPT AS INDICATED)	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 internal	Whale fisheries	Cod fisheries
1789 (Dec. 31)										9
1800 (Dec. 31)				202		202	124	69		29
1810 (Dec. 31)				972		972	667	272	3	35
1820 (Dec. 31) [2]				1,425		1,425	981	405	4	72
1830 (Dec. 31) [2]				1,280		1,280	584	588	36	98
1840 (Sept. 30)				1,192	64	1,127	538	517	40	104
1850				2,181	202	1,978	763	1,177	137	152
1860				3,535	526	3,010	1,440	1,798	146	163
1870	28,998	3,524	25,474	5,354	868	4,486	2,379	2,645	167	91
1880	24,712	4,717	19,995	4,247	1,075	3,171	1,449	2,638	68	78
1890	23,467	5,965	17,502	4,068	1,212	2,856	1,314	2,638	38	68
1900	23,333	7,053	16,280	4,424	1,859	2,565	928	3,409	19	52
1910	25,740	12,452	13,288	5,165	2,658	2,507	817	4,287	10	47
1915	26,701	15,948	10,753	7,508	4,900	2,608	783	6,669	9	32
1920	28,183	18,814	9,369	8,389	5,944	2,446	1,863	6,486	9	38
1925	26,367	18,637	7,730	16,324	13,823	2,501	9,925	6,358	4	35
1930	25,214	18,211	7,003	17,406	14,976	2,430	8,151	9,216	4	42
1935	24,919	18,495	6,424	16,068	13,757	2,311	6,296	9,723	7	35
1939	27,470	19,606	7,864	14,654	12,535	2,118	4,560	10,049	9	11
1940	27,212	19,504	7,708	14,632	11,952	2,680	3,312	11,288	21	8
1941 (Jan. 1)	27,075	19,382	7,693	14,018	11,353	2,665	3,638	10,352	20	7
1942 (Jan. 1)	27,325	19,471	7,854	13,722	11,047	2,675	3,047	10,654	14	6
1943 (Jan. 1)	27,612	19,974	7,638	13,860	11,072	2,788	4,109	9,744	2	5
1944 (Jan. 1)	28,690	21,511	7,179	16,762	14,052	2,710	9,285	7,471	2	4
1945 (Jan. 1)	29,797	22,772	7,025	25,795	23,217	2,579	18,685	7,105	1	3
1946 (Jan. 1)	31,386	24,355	7,031	32,813	30,247	2,566	26,043	6,766	1	3
1947 (Jan. 1)	32,760	25,532	7,228	38,501	35,927	2,573	29,730	8,766	1	2
1948 (Jan. 1)	33,843	26,633	7,210	37,832	35,149	2,684	26,555	11,274	1	2
				33,167	30,469	2,698	22,033	11,131	1	2

CLASSES	NUMBER					THOUSANDS OF GROSS TONS				
	1930 (June 30)	1941 (Jan. 1)	1946 (Jan. 1)	1947 (Jan. 1)	1948 (Jan. 1)	1930 (June 30)	1941 (Jan. 1)	1946 (Jan. 1)	1947 (Jan. 1)	1948 (Jan. 1)
By utilization:										
Registered—										
Foreign trade	4,175	1,361	5,043	4,630	4,466	6,296	3,047	29,730	26,555	22,033
Whale fisheries	14	10	6	6	6	7	14	1	1	1
Enrolled—										
Coastwise and internal trade	12,497	14,523	14,003	14,934	15,293	9,608	10,493	8,587	11,081	10,923
Cod fisheries	261	45				36	6			
Licensed—										
Coastwise and internal trade	8,004	11,108	12,334	13,181	14,073	115	161	182	196	211
Cod fisheries	263	28				6	1			
By location:										
Atlantic and Gulf [3]	14,321	16,627	18,646	19,630	20,212	9,904	9,812	21,571	22,173	20,116
Pacific [4]	6,466	6,727	8,809	9,109	9,462	3,227	1,964	14,258	13,064	10,367
Northern lakes	2,450	2,023	1,880	1,904	1,920	2,758	1,641	2,183	2,091	2,079
Western rivers	1,977	1,698	2,051	2,117	2,249	178	305	489	503	603
By rig:										
Steam	6,087	3,796	6,200	5,971	5,279	12,775	9,814	33,779	32,940	28,401
Motor	12,124	15,586	18,155	19,561	21,354	982	1,233	2,149	2,208	2,067
Sailing	1,584	517	353	343	319	757	182	97	95	87
Unrigged	5,419	7,176	6,678	6,885	6,891	1,554	2,493	2,475	2,588	2,611

[1] Sailing vessels, barges, scows, dredges, and canal boats.

[2] Decrease of tonnage arises principally from registered tonnage having been corrected in 1818, 1829, and 1830 by omitting all vessels with registers granted prior to 1815, which were presumed to have been lost at sea, captured, etc.

[3] Including Puerto Rico and Virgin Islands.

[4] Including Hawaii and Alaska.

Source: Prior to 1942, Department of Commerce, Bureau of Marine Inspection and Navigation; thereafter, Treasury Department, Bureau of Customs; annual report, Merchant Marine Statistics.

No. 634.—U. S. Merchant Marine—Number and Gross Tonnage of Vessels on Jan. 1, 1948, by Year of Build

YEAR OF BUILD	Number	Gross tons	YEAR OF BUILD	Number	Gross tons	YEAR OF BUILD	Number	Gross tons
Total	**33,843**	**33,167,261**	1885	34	3,098	1917	631	304,925
			1886	34	2,401	1918	584	290,567
Unknown	1,037	153,521	1887	37	4,836	1919	630	477,964
1849	1	19	1888	50	7,448	1920	593	467,590
1851	1	14	1889	40	5,413	1921	382	452,995
1852	1	14	1890	41	6,757	1922	383	125,922
1853	1	46	1891	78	15,930	1923	490	142,848
1857	3	191	1892	62	9,663	1924	640	156,925
1859	1	24	1893	58	15,088	1925	714	159,926
1862	1	36	1894	37	3,417	1926	759	164,020
1863	2	1,386	1895	43	6,970	1927	841	242,090
1864	1	225	1896	82	50,167	1928	858	212,234
1865	4	121	1897	76	38,772	1929	905	189,813
1866	7	1,221	1898	123	50,494	1930	801	198,881
1867	7	197	1899	126	53,095	1931	552	136,533
1868	6	1,647	1900	191	86,767	1932	389	130,188
1869	5	294	1901	201	74,445	1933	323	55,739
1870	3	3,717	1902	188	101,304	1934	424	47,613
1871	13	651	1903	203	87,008	1935	576	61,119
1872	8	453	1904	193	55,255	1936	776	146,019
1873	9	1,588	1905	255	195,625	1937	875	226,696
1874	9	914	1906	294	285,316	1938	776	170,014
1875	11	917	1907	312	300,013	1939	758	199,095
1876	9	455	1908	321	202,930	1940	906	392,318
1877	8	3,169	1909	299	167,968	1941	887	551,362
1878	16	4,089	1910	309	171,285	1942	1,268	3,642,855
1879	13	2,423	1911	388	118,677	1943	1,966	8,104,880
1880	12	2,756	1912	474	127,149	1944	1,950	6,580,226
1881	35	4,257	1913	464	181,769	1945	1,847	5,269,237
1882	42	3,595	1914	411	103,779	1946	1,508	590,728
1883	41	2,655	1915	396	77,769	1947	1,259	267,331
1884	42	6,880	1916	423	200,525			

No. 635.—U. S. Merchant Marine—Number and Gross Tonnage of Vessels on Jan. 1, 1948, by Tonnage Groupings

TONNAGE GROUPINGS	TOTAL		STEAM VESSELS		MOTOR VESSELS		SAILING VESSELS		UNRIGGED VESSELS	
	Number	Thousands of gross tons	Number	Thousands of gross tons	Number	Thousands of gross tons	Number	Thousands of gross tons	Number	Thousands of gross tons
Total	**33,843**	**33,167**	**5,279**	**28,401**	**21,354**	**2,067**	**319**	**87**	**6,891**	**2,611**
5 to 49 tons	18,534	334	111	3	17,427	306	235	3	761	21
50 to 99 tons	2,516	178	285	23	1,886	130	18	1	327	23
100 to 499 tons	6,720	1,817	805	184	1,606	305	21	5	4,288	1,321
500 to 999 tons	1,564	1,018	175	122	115	74	16	13	1,258	807
1,000 to 2,499 tons	556	817	193	313	117	146	23	40	223	316
2,500 to 4,999 tons	402	1,544	239	941	127	480	6	22	30	98
5,000 to 9,999 tons	3,077	22,330	3,012	21,857	61	452	------	------	4	21
10,000 to 19,999 tons	468	4,991	453	4,820	15	170	------	------	------	------
20,000 tons and over	6	134	6	134	------	------	------	------	------	------

Source of tables 634 and 635: Treasury Department, Bureau of Customs; annual report, Merchant Marine Statistics.

No. 636.—Merchant Vessels Launched in the World and in the United States: 1910 to 1948

[**Vessels of 100 gross tons and over.** For definition of "gross ton" see general note, p. 568. For period of Second World War (1939-45), figures exclude any information from enemy and enemy-occupied countries, as well as from Russia. Returns are still not available from Danzig, Germany, Hungary, Japan, or Poland]

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
1936–1940, average	931	2,427,144	841	2,376,050	127	310,796
1941–1945, average	1,442	8,520,091	1,390	8,510,700	963	6,718,446
1934	536	967,419	514	954,777	21	24,625
1935	649	1,302,080	617	1,290,660	14	32,607
1936	999	2,117,924	946	2,080,222	69	111,885
1937	1,101	2,690,580	1,011	2,642,748	123	239,445
1938	1,119	3,033,593	1,029	2,975,942	105	201,251
1939	941	2,539,424	821	2,474,312	170	421,989
1940	495	1,754,198	399	1,707,028	167	579,410
1941	564	2,498,061	510	2,491,173	187	1,035,239
1942	1,359	7,828,705	1,300	7,815,369	861	5,670,820
1943	2,122	13,893,978	2,078	13,884,776	1,625	11,579,522
1944	1,822	11,182,310	1,738	11,169,503	1,261	9,339,067
1945	1,344	7,197,402	1,326	7,192,679	880	5,967,581
1946	747	2,127,421	690	2,114,702	96	501,294
1947	837	2,111,886	787	2,102,621	70	164,848
1948	997	2,332,604	872	2,309,743	49	126,418

[1] Figures covering war period are for allied and neutral countries.

Source: Lloyd's Register of Shipping, London; Annual Summary of Mercantile Shipbuilding of the World.

No. 637.—Merchant Marine of the World and of the United States

[**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 Great Lakes and vessels on Caspian Sea excluded. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia excluded. Figures for Philippine Islands included with United States, 1910-39. See general note, p. 568. Data not compiled during last war period]

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	1937	66,286	12,420
1900	28,957	2,750	1925	64,641	15,377	1938	67,847	12,050
1905	35,998	3,996	1930	69,608	14,046	1939	69,440	12,003
1910	41,915	5,059	1935	64,886	12,852	1947	84,356	32,891
1915	49,262	5,893	1936	65,064	12,475	1948	81,074	29,602

Item	Number					Thousands of tons (see headnote)					
	1910	1920	1930	1939	1948	1910	1914	1920	1930	1939	1948
World total	30,058	31,595	32,713	31,186	30,405	41,915	49,090	57,314	69,608	69,440	81,074
Steam and motor	22,008	26,513	29,996	29,763	29,340	37,291	45,404	53,905	68,004	68,509	80,292
Steel and iron	20,403	23,382	27,595	27,507	26,479	36,769	44,934	51,661	67,304	68,007	79,714
Wood and composite	1,605	3,131	2,401	2,256	2,861	521	470	2,244	720	503	578
Sailing	8,050	5,082	2,717	1,423	1,065	4,624	3,686	3,409	1,584	930	783
Steel and iron	2,115	1,314	742	743	693	2,508	2,095	1,524	654	572	577
Wood and composite	5,935	3,768	1,975	680	372	2,116	1,590	1,885	930	358	205
United States	3,469	5,457	4,223	3,375	5,524	5,059	5,368	16,049	14,046	12,003	29,602
Steam and motor	1,712	4,110	3,517	2,958	5,225	3,827	4,330	14,574	13,202	11,490	29,165
Steel and iron	1,270	3,242	3,001	2,560	4,807	3,602	4,120	13,341	12,914	11,342	29,060
Wood and composite	442	868	516	398	418	226	210	1,234	288	148	105
Sailing	1,757	1,347	706	417	299	1,232	1,038	1,475	844	513	437
Steel and iron	139	154	147	187	177	245	236	304	288	272	292
Wood and composite	1,618	1,193	559	230	122	987	803	1,171	556	241	145

Source: Lloyd's Register of Shipping, London; Appendix to Lloyd's Register Book.

No. 638.—Commercial Traffic Through the Panama Canal, Total, 1915 to 1947, and by Nationality of Vessel, 1947

[See general note, p. 568. Figures cover ocean-going commercial traffic which includes only tolls-paying vessels of 300 net tons and over, Panama Canal measurement, and vessels paying tolls on displacement tons of 500 displacement tons and over. Foreign naval vessels such as colliers, transports, supply ships, etc., with a measurement of 300 net tons or more and foreign naval vessels such as battleships, cruisers, destroyers, submarines, etc., with a displacement of 500 tons or more, classified as ocean-going commercial vessels]

Year ending June 30	Number of transits	Net tonnage (thousands)[1]	Tolls (thousands of dollars)	Tons of cargo (thousands of long tons)
Total	**130,532**	**585,476**	**554,528**	**627,503**
1915 [2]	1,058	3,507	4,367	4,888
1916 [3]	724	2,212	2,403	3,093
1917	1,738	5,357	5,621	7,055
1918	1,989	6,072	6,429	7,526
1919	1,948	5,658	6,164	6,910
1920	2,393	7,898	8,508	9,372
1921	2,791	10,550	11,269	11,596
1922	2,665	10,556	11,192	10,883
1923	3,908	17,206	17,504	19,566
1924	5,158	24,181	24,285	26,993
1925	4,592	21,134	21,394	23,957
1926	5,087	22,906	22,920	26,030
1927	5,293	24,245	24,212	27,734
1928	6,253	27,229	26,922	29,616
1929	6,289	27,585	27,111	30,648
1930	6,027	27,716	27,060	30,018
1931	5,370	25,690	24,625	25,065
1932	4,362	21,842	20,695	19,799
1933	4,162	21,094	19,601	18,161
1934	5,234	26,410	24,047	24,704
1935	5,180	25,720	23,307	25,310
1936	5,382	25,923	23,479	26,506
1937	5,387	25,430	23,102	28,108
1938	5,524	25,950	23,170	27,386
1939	5,903	27,170	23,661	27,867
1940	5,370	24,144	21,145	27,299
1941	4,727	20,643	18,158	24,951
1942	2,688	11,010	9,752	13,607
1943	1,822	8,234	7,357	10,600
1944	1,562	6,073	5,456	7,003
1945	1,939	8,381	7,244	8,604
1946	3,747	17,517	14,774	14,978
1947	4,260	20,233	17,597	21,671

Nationality of vessels (year ending June 30, 1947)	Number of transits	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands of long tons)
Argentine	9	40	34	2
Belgian	4	21	16	5
Brazilian	5	13	11	25
British	892	4,915	4,334	5,435
Chilean	67	250	232	259
Chinese	17	40	34	28
Columbian	19	17	15	18
Costa Rican	7	5	4	6
Danish	111	392	349	375
Ecuadoran	5	6	6	4
Finnish	1	2	2	3
French	61	316	283	377
Greek	32	152	133	199
Honduran	195	279	233	154
Italian	9	46	39	40
Mexican	16	32	27	35
Netherland	161	442	401	359
Norwegian	248	1,235	1,053	1,146
Panamanian	217	729	605	657
Peruvian	15	29	27	28
Philippine Islands	18	83	74	86
Portuguese	8	42	35	33
Soviet	15	34	31	30
Spanish	40	145	118	147
Swedish	108	448	388	485
United States	1,974	10,494	9,098	11,713
Venezuelan	3	4	4	3
Yugoslav	3	13	11	12

[1] Panama Canal net tonnage prior to 1939 are estimates, based on revised measurement rules, effective Mar. 1, 1938.
[2] Canal opened to traffic Aug. 15, 1914.
[3] Canal closed to traffic approximately 7 months of fiscal year due to slides.

No. 639.—Commercial Traffic Through the Panama Canal—Summary, Fiscal Years Ending June 30: 1939 to 1947

[See general note, p. 568]

Item	1939	1940	1941	1942	1943	1944	1945	1946	1947
Number of transits	5,903	5,370	4,727	2,688	1,822	1,562	1,939	3,747	4,260
Measurement tonnage registered:									
Gross (thousands)	34,583	31,086	26,853	14,759	10,874	8,048	11,427	23,926	27,539
Net (thousands)	20,745	18,643	16,019	8,742	6,578	4,862	6,923	14,338	16,456
Panama Canal, net (thousands)	27,170	24,144	20,643	11,010	8,234	6,073	8,381	17,517	20,233
Tons of cargo, total (thousands of long tons)	27,867	27,299	24,951	13,607	10,600	7,003	8,604	14,978	21,671
Atlantic to Pacific	9,011	9,820	9,488	4,685	4,945	3,354	4,235	6,118	8,295
Pacific to Atlantic	18,855	17,479	15,462	8,923	5,655	3,649	4,369	8,860	13,376

Source of tables 638 and 639: The Panama Canal, Annual Report of the Governor.

No. 640.—Panama Canal—Revenues, Expenses, and Computed Surplus: 1914 to 1947

[In thousands of dollars]

YEAR ENDING JUNE 30	Tolls [1]	Civil revenues	Business profits	Total revenues	Net appropriation expenses [2]	Net revenues [3]	Capital interest, 3 percent [4]	Computed surplus [3]
Total	**554,804**	**6,934**	**25,398**	**587,136**	**315,956**	**271,180**	**409,536**	***138,356***
1914 to 1931, total	271,864	4,178	8,748	284,790	138,903	145,886	165,558	*19,672*
1932	20,707	327	557	21,591	10,239	11,352	14,944	*3,592*
1933	19,621	310	1,136	21,067	9,556	11,511	14,908	*3,397*
1934	24,065	97	1,367	25,528	7,931	17,597	15,039	2,558
1935	23,339	82	1,021	24,442	9,481	14,961	15,124	*163*
1936	23,507	120	920	24,547	9,675	14,872	15,160	*288*
1937	23,147	99	917	24,164	10,290	13,874	15,205	*1,331*
1938	23,215	90	825	24,130	9,576	14,555	15,230	*675*
1939	23,699	107	681	24,488	10,145	14,342	15,250	*908*
1940	21,177	118	1,034	22,330	10,042	12,288	15,243	*2,956*
1941	18,190	276	1,009	19,475	9,614	9,861	15,275	*5,414*
1942	9,772	[5] 219	734	10,726	9,407	1,319	15,302	*13,983*
1943	7,369	[6] 55	1,493	8,916	11,269	*2,352*	15,432	*17,785*
1944	5,474	239	1,553	7,267	12,634	*5,368*	15,484	*20,851*
1945	7,223	239	1,469	8,931	13,905	*4,975*	15,476	*20,450*
1946	14,792	268	[7] 208	[7] 15,267	15,214	[7] 53	15,427	[7] *15,374*
1947	17,642	110	[8] 1,726	19,478	18,074	1,404	15,478	*14,073*

[1] Adjusted for overcharges and undercollections.
[2] After deduction of canal earnings repaid to appropriations. [3] Italics denote deficit.
[4] No interest charge against the Canal is actually made by the Treasury. In order to present the net results of operation of the Canal, interest on capital invested is computed at a rate considered reasonable for Government borrowings over an indefinite period. Computed interest prior to July 12, 1920, is included in capital investment account.
[5] Includes adjustment of $15,000 in postal surplus. [6] Includes adjustment of $44,000 in postal surplus.
[7] Actual business profits of $877,000 adjusted by $669,000 for write-off of reimbursable capital expenditures, public works, Republic of Panama. [8] Includes $584,000 for prior fiscal years.

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

No. 641.—Estimated Average Monthly Employment on American Flag Merchant Vessels: 1929 to 1947

[Represents personnel employed on active steam and motor merchant vessels of 1,000 gross tons and over, engaged in deep-sea trades (overseas foreign, nearby foreign, intercoastal, and coastwise). Includes only combination passenger and freight, freight, and tanker vessels]

YEAR	Average monthly employment [1]	YEAR	Average monthly employment [1]	YEAR	Average monthly employment [1]
1929	63,825	1936	53,025	1943	76,800
1930	62,360	1937	57,170	1944	125,755
1931	57,180	1938	50,905	1945	158,755
1932	52,600	1939	52,445	1946	127,175
1933	54,620	1940	50,975	1947 (Oct.)	100,000
1934	56,295	1941	50,225		
1935	56,575	1942	47,650		

[1] Includes masters of vessels; excludes personnel employed on vessels under bareboat charter, or owned by Army or Navy.

Source: U. S. Maritime Commission, records.

No. 642.—Water-Borne Imports and Exports—Cargo Tonnage, by Flag of Carrier Vessel, 1921 to 1948, and by Coastal Districts, 1942 to 1948

[**In cargo tons of 2,240 pounds.** This table and table 645 exclude cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity]

Year and district	Imports by flags of carrier vessels			Exports by flags of carrier vessels		
	Total	American	Foreign	Total	American	Foreign
Total:						
1921	33,184,790	23,454,831	9,729,959	48,640,044	18,557,464	30,082,580
1925	43,135,154	21,214,626	21,920,528	49,666,499	15,716,692	33,949,807
1927	42,182,967	21,457,968	20,724,999	56,935,465	18,695,246	38,240,219
1928	47,395,432	24,186,971	23,208,461	58,829,394	19,287,784	39,541,610
1929	50,985,224	25,231,728	25,753,496	57,475,357	17,920,748	39,554,609
1930	47,562,416	24,822,560	22,739,856	49,730,870	14,913,598	34,817,272
1931	35,864,286	17,114,174	18,750,112	40,049,246	11,068,284	28,980,962
1932	28,710,280	13,324,302	15,385,978	31,844,566	8,147,086	23,697,480
1933	26,566,967	11,017,462	15,549,505	32,385,550	8,354,909	24,030,641
1934	29,813,903	12,767,083	17,046,820	37,821,061	9,435,147	28,385,914
1935	33,965,678	14,125,363	19,840,315	38,145,865	8,740,017	29,405,848
1936	38,395,748	13,196,753	25,198,995	39,714,046	8,615,976	31,098,070
1937	42,062,821	13,363,422	28,699,399	54,557,725	10,882,780	43,674,945
1938	32,818,162	12,077,522	20,740,640	55,612,107	10,358,773	45,253,334
1939	37,548,452	11,124,084	26,424,368	55,086,843	9,425,952	45,660,891
1940	39,881,161	15,465,891	24,415,270	54,401,306	11,553,124	42,848,182
1942 [1]	24,458,000	15,535,000	8,923,000	37,205,000	14,488,000	22,717,000
1943 [1]	27,668,000	22,089,000	5,579,000	42,647,000	22,591,000	20,056,000
1944 [1]	29,750,000	23,401,000	6,349,000	49,299,000	30,359,000	18,940,000
1945 [1]	35,202,000	28,049,000	7,153,000	55,003,000	33,687,000	21,316,000
1946 [2]	43,921,000	28,886,000	15,034,000	77,605,000	44,424,000	33,179,000
1947 [2]	52,860,000	33,645,000	19,215,000	110,997,000	54,520,000	56,477,000
1948 [2]	60,192,997	36,185,590	24,007,407	78,849,620	30,804,647	48,044,973
Dry cargoes:						
1942	17,727,000	11,175,000	6,552,000	26,081,000	10,242,000	15,839,000
1943	19,730,000	15,443,000	4,287,000	27,641,000	16,221,000	11,420,000
1944	18,566,000	14,551,000	4,015,000	28,199,000	16,467,000	11,732,000
1945	19,389,000	15,226,000	4,163,000	36,935,000	24,707,000	12,228,000
1946 [2]	22,635,000	12,747,000	9,888,000	64,051,000	39,018,000	25,032,000
1947 [2]	28,634,000	15,492,000	13,142,000	97,635,000	49,772,000	47,863,000
1948 [2]	32,732,094	15,359,212	17,372,882	67,702,862	27,283,247	40,419,615
Tanker cargoes:						
1942	6,731,000	4,360,000	2,371,000	11,124,000	4,246,000	6,878,000
1943	7,938,000	6,646,000	1,292,000	15,006,000	6,370,000	8,636,000
1944	11,184,000	8,850,000	2,334,000	21,100,000	13,892,000	7,208,000
1945	15,813,000	12,823,000	2,990,000	18,068,000	8,980,000	9,088,000
1946 [2]	21,285,000	16,139,000	5,146,000	13,554,000	5,406,000	8,147,000
1947 [2]	24,226,000	18,153,000	6,073,000	13,362,000	4,748,000	8,614,000
1948 [2]	27,460,903	20,826,378	6,634,525	11,146,758	3,521,399	7,625,359
Atlantic ports:						
1942	15,900,000	9,870,000	6,030,000	19,753,000	5,906,000	13,847,000
1943	17,730,000	14,518,000	3,212,000	28,607,000	13,897,000	14,710,000
1944	21,422,000	17,237,000	4,185,000	35,360,000	21,119,000	14,241,000
1945	27,454,000	21,887,000	5,567,000	35,365,000	20,661,000	14,704,000
1946 [3]	33,968,000	[3]	[3]	33,431,000	[3]	[3]
1947 [2]	40,704,000	[3]	[3]	57,031,000	[3]	[3]
1948 [2]	46,743,960	[3]	[3]	32,225,600	[3]	[3]
Gulf ports:						
1942	5,440,000	3,588,000	1,852,000	10,062,000	4,281,000	5,781,000
1943	6,552,000	5,011,000	1,541,000	5,199,000	3,585,000	1,614,000
1944	4,872,000	3,648,000	1,224,000	5,334,000	5,108,000	226,000
1945	5,067,000	4,124,000	943,000	13,158,000	9,137,000	4,021,000
1946 [2]	4,309,000	[3]	[3]	20,145,000	[3]	[3]
1947 [2]	6,239,000	[3]	[3]	23,922,000	[3]	[3]
1948 [2]	7,319,684	[3]	[3]	18,061,724	[3]	[3]
Pacific ports:						
1942	3,118,000	2,077,000	1,041,000	7,390,000	4,301,000	3,089,000
1943	3,386,000	2,560,000	826,000	8,841,000	5,109,000	3,732,000
1944	3,456,000	2,516,000	940,000	8,605,000	4,132,000	4,473,000
1945	2,681,000	2,038,000	643,000	6,480,000	3,889,000	2,591,000
1946 [2]	2,140,000	[3]	[3]	6,481,000	[3]	[3]
1947 [2]	2,189,000	[3]	[3]	9,297,000	[3]	[3]
1948 [2]	2,628,805	[3]	[3]	6,222,034	[3]	[3]
Great Lakes ports:						
1946 [2]	3,504,000	[3]	[3]	17,547,000	[3]	[3]
1947 [2]	3,728,000	[3]	[3]	20,747,000	[3]	[3]
1948 [2]	3,500,547	[3]	[3]	22,340,262	[3]	[3]

[1] Excludes U. S. Army, Navy Cargo, and Great Lakes; subject to revision.
[2] Excludes U. S. Army and Navy Cargo. Includes Alaska, Hawaii, and Puerto Rico. Data subject to revision.
[3] Not available.

Source: Prior to 1936, Department of Commerce, U. S. Shipping Board Bureau; 1936-40, U. S. Maritime Commission; 1940 figures published in Report No. 2610. 1942-45, War Shipping Administration. 1946-48, Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the United States, and records.

No. 643.—Water-Borne Exports—Shipping Weight on Dry Cargo and Tanker Vessels, by Trade Area: 1946, 1947, and 1948

[In millions of pounds. Covers domestic and foreign merchandise. Preliminary data. Totals represent sum of unrounded figures; may vary from sum of rounded amounts]

Trade area	1946			1947			1948		
	Total	American	Percent American	Total	American	Percent American	Total	American	Percent American
DRY CARGO									
Trade area, total	143,474.1	87,401.4	60.9	218,702.7	111,489.4	51.0	151,654.4	61,114.5	40.3
Foreign except Canadian	107,097.8	75,883.3	70.9	173,052.5	98,478.7	56.9	102,838.0	47,736.9	46.4
Caribbean	6,929.7	5,007.4	72.3	10,692.1	7,411.3	69.3	9,069.6	5,530.7	61.0
East Coast South America	8,067.4	5,141.7	63.7	13,003.4	6,435.9	49.5	8,316.5	2,549.0	30.6
West Coast South America	1,717.2	1,303.9	75.9	2,433.8	1,709.4	70.2	1,811.0	1,061.6	58.6
West Coast Central America and Mexico	319.5	276.7	86.6	484.9	375.2	77.4	276.0	157.4	57.0
Gulf Coast Mexico	812.2	234.8	28.9	954.4	340.3	35.7	620.2	197.4	31.8
United Kingdom and Eire	6,274.4	2,518.8	40.1	12,429.8	4,658.7	37.5	4,102.6	1,192.4	29.1
Baltic, Scandinavia, Iceland, and Greenland	11,218.0	4,887.0	43.6	18,360.7	8,420.2	45.9	3,658.7	747.9	20.4
Bayonne-Hamburg Range	28,982.6	22,902.9	79.0	56,976.1	36,781.0	64.6	35,370.4	17,548.6	49.6
Portugal and Spanish Atlantic Azores, Mediterranean, and Black Sea	1,821.5	954.8	52.4	3,044.0	1,402.0	46.1	1,440.0	83.5	5.8
West Coast Africa	25,836.4	23,214.2	89.9	35,873.7	20,752.9	57.8	21,790.3	11,049.8	50.7
South and East Africa	1,116.6	681.2	61.0	1,959.1	544.3	27.8	1,277.7	379.8	29.7
Australasia	1,475.6	904.3	61.3	2,395.4	1,575.2	65.8	2,732.4	1,578.1	57.8
India, Persian Gulf, and Red Sea	1,440.7	277.9	19.3	2,226.2	678.1	30.5	1,314.6	319.3	24.3
Straits Settlements, and Netherlands East Indies	2,800.9	1,646.1	58.8	4,927.4	2,890.9	58.7	4,475.5	1,861.4	41.6
South China, Formosa, and Philippines	505.4	163.1	32.3	1,322.6	491.8	37.2	929.1	344.2	37.0
North China, incl. Shanghai and Japan	2,705.5	2,076.9	76.8	3,221.3	2,091.7	64.9	2,902.1	1,655.7	57.1
Canadian	5,074.3	3,691.5	72.7	2,747.7	1,920.1	69.9	2,751.2	1,479.2	53.8
Pacific Canada	36,376.3	11,518.1	31.7	45,650.8	13,010.2	28.5	48,816.5	13,378.5	27.4
Great Lakes Canada	187.5	38.5	20.5	361.9	101.8	28.1	363.2	137.2	37.8
Atlantic Canada and Newfoundland	30,460.8	11,202.1	36.8	37,735.4	12,388.8	32.8	45,245.2	13,109.0	29.0
	5,727.7	277.3	4.8	7,553.2	519.5	6.9	3,208.1	132.2	4.1
TANKER CARGO									
Trade area, total	30,360.4	12,110.4	39.9	29,930.1	10,634.9	35.5	24,968.8	7,887.9	31.6
Foreign except Canadian	22,449.7	8,585.7	38.2	20,766.9	6,064.4	29.2	14,848.7	3,710.6	25.0
Caribbean	1,206.9	508.0	42.1	1,685.0	566.0	33.6	2,619.6	1,154.2	44.1
East Coast South America	613.7	214.6	45.0	675.6	376.9	55.8	831.1	445.0	53.5
West Coast South America	67.3	.1	.1	120.6			118.0	58.5	49.6
West Coast Central America and Mexico	322.5	170.4	52.8	870.7	296.7	34.1	932.4	454.8	48.8
Gulf Coast Mexico	2.1	(1)		4.0			6.4	2.6	40.6
United Kingdom and Eire	9,282.0	4,320.1	46.5	7,830.1	2,339.8	29.9	4,567.5	570.6	12.5
Baltic, Scandinavia, Iceland, and Greenland	2,228.8	241.6	10.8	2,301.5	93.0	4.0	1,404.5	116.5	8.3
Bayonne-Hamburg Range	4,570.7	1,682.6	36.8	3,053.4	844.4	27.7	2,242.9	448.8	20.0
Portugal and Spanish Atlantic Azores, Mediterranean, and Black Sea	326.0			255.8			156.8	26.2	16.7
West Coast Africa	1,140.8	473.2	41.5	1,060.5	378.6	35.7	483.8	157.3	32.5
South and East Africa	399.0	159.6	40.0	213.5	126.1	59.1	213.5	67.8	31.8
Australasia	337.4	203.1	60.2				(1)		
India, Persian Gulf, and Red Sea	957.0	453.1	47.3	1,421.8	591.2	41.6	486.1	67.8	13.9
Straits Settlements, Netherlands East Indies	.4	.4	100.0	32.7	.1	.3	.7	(1)	(1)
South China, Formosa, and Philippines	1.9	.9	47.4	5.2					
North China, incl. Shanghai and Japan	43.3	19.2	44.3	488.0	201.6	41.3	395.7	90.7	22.9
Canadian	949.7	138.8	14.6	748.5	249.8	33.4	389.7	49.9	12.8
Pacific Canada	7,910.6	3,524.7	44.6	9,162.8	4,570.9	49.9	10,120.1	4,177.4	41.3
Great Lakes Canada	2,948.3	2,280.4	77.3	3,697.0	2,279.9	61.7	3,879.8	1,700.6	43.8
Atlantic Canada and Newfoundland	4,194.7	636.5	15.2	3,392.4	565.1	16.7	5,223.7	1,842.0	35.3
	767.6	607.7	79.2	2,073.3	1,725.9	83.2	1,016.6	634.8	62.4

[1] Less than 50,000 pounds.

Source: Department of Commerce, Bureau of the Census; current summary reports, FT 973.

No. 644.—Water-Borne Imports—Shipping Weight on Dry Cargo and Tanker Vessels, by Trade Area: 1946, 1947, and 1948

[**In millions of pounds.** Represents general imports. Preliminary data. Totals represent sums of unrounded figures; may vary from sums of rounded amounts]

TRADE AREA	1946			1947			1948		
	Total	American	Percent American	Total	American	Percent American	Total	American	Percent American
DRY CARGO									
Trade area, total	50,703.4	28,553.9	56.3	64,141.9	34,703.8	54.1	73,319.6	34,404.6	46.9
Foreign except Canadian	37,390.2	24,454.9	65.4	48,771.7	31,212.4	64.0	56,081.5	30,852.3	55.0
Caribbean	11,695.7	7,843.1	67.1	17,058.1	11,666.3	68.4	15,659.4	7,827.9	50.0
East Coast South America	4,437.1	2,686.6	60.5	3,632.0	2,234.4	61.5	4,523.6	2,450.3	54.2
West Coast South America	5,810.1	5,231.5	90.0	6,976.4	6,072.3	87.0	9,603.6	8,150.8	84.9
West Coast Central America and Mexico	780.7	395.0	50.6	1,114.4	919.9	82.5	1,416.1	1,057.7	74.7
Gulf Coast Mexico	670.1	100.5	15.0	705.9	209.2	29.6	559.5	140.9	25.2
United Kingdom and Eire	707.3	369.8	52.3	1,088.7	349.7	32.1	1,035.2	369.6	35.7
Baltic, Scandinavia, Iceland and Greenland	2,156.5	573.0	26.6	5,139.6	2,186.1	42.5	5,325.1	1,486.0	27.9
Bayonne-Hamburg Range	277.9	161.2	58.0	464.4	199.9	43.0	1,920.6	771.3	40.2
Portugal and Spanish Atlantic Azores, Mediterranean, and Black Sea	559.8	207.0	37.0	500.3	108.3	21.6	523.4	194.6	37.2
West Coast Africa	1,598.5	1,168.8	73.1	2,012.5	1,001.9	49.8	4,392.5	1,785.7	40.7
South and East Africa	1,590.3	795.3	50.0	1,263.7	330.2	26.1	1,144.9	354.8	31.0
Australasia	1,676.6	1,515.8	90.4	1,589.5	1,507.2	94.8	1,719.9	1,551.6	90.2
India, Persian Gulf, and Red Sea	781.3	456.9	58.5	501.2	273.4	54.5	645.2	413.3	64.1
Straits Settlements and Netherlands East Indies	2,807.2	1,550.3	55.2	2,805.2	1,778.4	63.4	2,279.6	1,195.3	52.4
South China, Formosa, and Philippines	584.1	333.5	57.1	1,413.8	877.4	62.1	2,021.8	1,373.5	67.9
North China including Shanghai and Japan	1,107.8	936.2	84.5	2,275.8	1,346.2	59.2	2,866.4	1,455.9	50.8
Canadian	149.1	130.2	87.3	229.5	151.3	65.9	444.8	273.1	61.4
Pacific Canada	13,313.3	4,098.9	30.8	15,371.2	3,491.3	22.7	17,238.0	3,552.3	20.6
Great Lakes Canada	1,256.9	504.3	40.1	1,588.5	564.5	35.5	2,492.6	1,142.0	45.8
Atlantic Canada and Newfoundland	7,254.9	1,993.3	27.5	7,403.1	1,045.5	14.1	6,817.1	1,120.8	16.4
	4,801.6	1,601.4	33.4	6,379.6	1,881.5	29.5	7,928.4	1,289.6	16.3
TANKER CARGO									
Trade area, total	47,679.2	36,152.0	75.8	54,265.5	40,662.1	74.9	61,512.3	46,651.1	75.8
Foreign except Canadian	47,622.5	36,117.4	75.8	54,185.6	40,584.8	74.9	61,431.6	46,586.8	75.8
Caribbean	44,538.7	33,977.3	76.3	49,892.0	37,868.2	75.9	52,030.2	39,979.5	76.8
East Coast South America	55.8	22.0	39.4	59.4	22.5	37.9	.8	----------	-------
West Coast South America	51.1	51.1	100.0	34.1	----------	-------	25.0	----------	-------
West Coast Central America and Mexico	9.7	----------	-------	15.6	----------	-------	17.0	----------	-------
Gulf Coast Mexico	2,239.8	1,357.5	60.6	3,553.6	2,394.9	67.4	2,152.7	1,606.4	74.6
United Kingdom and Eire	17.3	(1)	-------	276.9	20.9	7.5	307.4	79.5	25.8
Baltic, Scandinavia, Iceland, and Greenland	(1)	----------	-------	6.1	----------	-------	28.0	----------	-------
Bayonne-Hamburg Range	.2	(1)	-------	(1)	----------	-------	87.1	4.8	5.5
Portugal and Spanish Atlantic Azores, Mediterranean, and Black Sea	----------	----------	-------	.2	----------	-------	----------	----------	-------
West Coast Africa	(1)	(1)	100.0	----------	----------	-------	179.1	86.5	48.3
South and East Africa	----------	----------	-------	----------	----------	-------	----------	----------	-------
Australasia	12.5	12.5	100.0	----------	----------	-------	----------	----------	-------
India, Persian Gulf, and Red Sea	(1)	(1)	100.0	----------	----------	-------	4.0	4.0	100.0
Straits Settlements, Netherlands East Indies	663.8	663.8	100.0	280.6	212.1	75.6	6,600.2	4,826.2	73.1
South China, Formosa, and Philippines	33.4	33.4	100.0	66.2	66.2	100.0	----------	----------	-------
North China including Shanghai and Japan	----------	----------	-------	(1)	----------	-------	(1)	----------	-------
Canadian	.4	----------	-------	1.2	----------	-------	----------	----------	-------
Pacific Canada	56.8	34.5	60.7	80.1	77.5	96.8	80.8	64.3	79.6
Great Lakes Canada	(1)	(1)	100.0	(1)	(1)	100.0	(1)	----------	-------
Atlantic Canada and Newfoundland	23.9	23.9	100.0	33.6	33.6	100.0	73.9	64.3	87.0
	32.8	10.5	68.0	46.5	43.9	94.4	6.9	----------	-------

[1] Less than 50,000 pounds.

Source: Department of Commerce, Bureau of the Census; current summary reports, FT 973.

No. 645.—Water-Borne Imports and Exports—Cargo Tonnage, by Trade Regions and Countries: 1943, 1944, and 1945

[**In cargo tons of 2,240 pounds.** See headnote, table 642. Note that a country may be accounted for in part under one trade region and in part under another. Excludes U. S. Army and Navy Cargo; subject to revision]

Foreign origin or destination	Imports			Exports		
	1943	1944	1945	1943	1944	1945
Grand total	25,447,709	27,510,283	33,121,807	57,309,543	66,952,278	51,018,633
United Kingdom and Eire	506,578	425,731	347,644	19,017,972	23,399,062	16,635,857
England	305,598	334,475	299,264	17,768,742	22,161,583	16,192,337
Northern Ireland and Eire	2,024	2,358	2,216	224,375	25,917	18,851
Scotland	33,224	51,358	37,033	530,464	684,878	269,445
Wales	165,732	37,540	9,131	494,391	526,684	155,224
North Atlantic and Baltic Europe	169,729	145,462	967,266	732,706	1,486,721	2,287,250
Iceland	13,848	10,475	8,313	63,904	50,250	77,386
Greenland	47,562	16,446	21,813	11,136	7,014	7,037
U. S. S. R. (Soviet Union) West	108,292	117,938	286,076	638,501	1,370,910	742,882
Norway			14,809			450,859
Sweden	25	603	635,665	19,165	58,547	631,934
Denmark			590			207,973
Poland						140,094
Germany						28,185
Bayonne-Hamburg Range			18,012		108,689	5,995,629
Germany, North Sea			1,191			187,007
Netherlands			5,642			926,387
Belgium			1,779			2,330,309
France, Atlantic			9,400		108,689	2,551,926
South Atlantic Europe	253,087	275,045	269,288	876,839	675,393	866,045
Portugal (incl. Azores)	101,112	149,262	113,459	639,848	568,217	739,032
Spain	150,096	121,385	154,202	198,748	60,344	87,861
Cape Verde Islands			1,627	3,020		
Canary Islands	(1)	(1)	(1)	13,626	(1)	(1)
Madeira	1,879	4,398		21,597	46,832	39,152
West Mediterranean	101,256	208,618	288,396	1,096,370	1,806,178	6,560,404
Spain	(2)	43,800	29,963	(2)	46,525	114,860
Gibraltar		5,964	1		40,875	224,857
France	4	237	12,084	10,340	28,152	1,007,716
Italy	823	13,970	6,710	57,288	704,818	2,525,143
Yugoslavia					1,931	581,880
Malta	78	1,427		13,508	71,328	51,421
Tunisia	200	(3)		14,468	(3)	(3)
West Mediterranean, not otherwise specified						620,865
Algeria	100,151	143,220	239,638	1,000,766	912,549	1,433,662
East Mediterranean and Black Sea	85,924	76,540	225,738	32,873	34,085	1,691,792
East Mediterranean, not otherwise specified						44,315
Bulgaria						6,488
Rumania						207,699
U. S. S. R. (Soviet Union)		7,449	112,555	9,470	3,003	713,740
Turkey	44,040	37,435	101,938	21,114	22,820	62,922
Cyprus	33,676	13,406	2,943	2,023	6	2,405
Greece			5,486		8,142	589,443
Palestine	1,807	7,942	208	266		53,319
Syria	6,400	8,458	2,548		114	11,401
Libya	1	1,850				
West Indies	10,757,526	8,446,080	7,274,045	2,050,096	2,442,830	2,210,740
Cuba	4,525,009	5,818,365	4,695,974	1,270,541	1,584,115	1,672,510
Jamaica	127,297	110,543	220,634	90,515	140,995	119,956
Bahama Islands	6,183	4,323	5,103	54,776	42,471	33,505
Haiti	68,205	130,214	123,493	36,033	43,112	48,986
Dominican Republic	87,424	340,744	167,931	61,761	83,589	81,688
Lesser Antilles	5,940,462	2,041,080	2,059,522	499,412	511,922	215,670
Bermuda	2,946	811	1,388	37,058	36,626	38,425
Mexico	524,948	568,443	793,165	121,161	240,920	358,976
Central America	731,717	938,124	1,074,524	569,830	491,435	582,741
British Honduras	73,462	106,096	81,004	20,239	20,367	20,314
Guatemala	121,359	191,177	280,990	67,319	70,702	100,111
Honduras	173,465	341,018	393,868	42,258	53,372	65,841

[1] Included with Madeira.
[2] Included with South Atlantic Spain.
[3] Included with Algeria.

No. 645.—Water-Borne Imports and Exports—Cargo Tonnage, by Trade Regions and Countries: 1943, 1944, and 1945—Continued

[In cargo tons of 2,240 pounds]

FOREIGN ORIGIN OR DESTINATION	IMPORTS			EXPORTS		
	1943	1944	1945	1943	1944	1945
Central America—Continued.						
Nicaragua	35,238	31,525	25,832	30,127	14,046	20,487
Costa Rica	87,124	63,832	82,726	62,843	25,467	44,972
Panama	38,115	34,871	75,042	5,929	514	3,633
Canal Zone	147,751	128,146	94,487	322,037	292,941	297,916
El Salvador	55,203	41,459	40,575	19,078	14,026	29,467
North Coast South America	4,121,362	8,347,538	12,825,457	348,126	805,217	1,001,428
Venezuela	1,867,614	6,130,122	10,069,701	226,625	536,582	720,655
British Guiana	586,824	108,762	217,372	58,755	41,188	17,548
Surinam (Netherlands Guiana)	1,032,766	294,680	473,252	36,041	34,287	17,488
French Guiana		1				1,099
Colombia	634,158	1,813,973	2,065,132	26,705	193,160	244,638
East Coast South America	2,045,816	2,291,667	2,162,323	1,559,105	1,847,518	2,531,748
Brazil [4]	1,210,283	1,182,543	1,426,350	1,004,908	1,242,412	1,745,396
Uruguay (inc. Paraguay)	167,172	121,045	131,606	177,868	166,132	277,085
Argentina	668,361	988,079	604,367	376,329	438,974	509,267
West Coast South America	1,715,742	1,676,496	2,128,111	484,445	639,499	677,445
Colombia	142,703	132,735	132,068	63,249	66,489	97,994
Chile	1,317,426	1,306,954	1,701,363	255,927	341,006	333,058
Peru	217,401	202,906	267,165	131,964	171,482	175,360
Ecuador	38,212	33,901	27,515	33,305	60,522	71,033
West Africa	566,394	678,996	925,409	501,634	399,110	784,262
French Morocco	68,532	84,848	106,234	174,255	105,654	552,527
Portuguese Guinea				257	6,484	
French Guinea	456			45,052		
French West Africa		1,565	16,234		66,925	80,296
Sierra Leone [5]	499	1,313		21,493	17,797	
Liberia	15,736	21,293	23,047	13,647	15,534	12,648
French Equatorial Africa		1,076	12,376		10,333	11,908
Gold Coast	234,814	406,044	624,523	61,501	96,078	42,345
Nigeria	34,018	[6]	[6]	60,268	[6]	[6]
Cameroons	2,708			8,550		
Gabon	4,064		12,173	13,734		9,610
Belgian Congo	94,337	86,382	84,248	96,558	70,499	57,746
Angola	77,722	71,466	46,574	6,184	9,806	17,182
South West Africa	33,508	5,009		135		
South and East Africa	681,029	420,425	731,476	555,112	559,445	599,472
Union of South Africa	160,428	85,119	194,326	439,133	444,465	458,581
Mozambique	442,045	257,633	438,016	40,698	42,039	63,597
Tanganyika Territory and Kenya	76,024	77,673	93,873	75,281	62,475	60,805
Madagascar	2,532		5,261		10,466	14,173
Reunion						2,316
Australia and Antarctic Region	751,600	455,097	441,174	2,714,858	1,884,895	1,177,436
New Zealand	82,045	21,501	41,716	580,037	253,913	240,015
Australia [7]	542,215	347,716	301,589	2,085,127	1,156,120	824,687
Tonga Islands	162	5,267				
Fiji Islands	53,305	6,238	15,222	16,430	4,067	5,424
New Caledonia	33,808	39,105	36,844	28,179	9,187	11,520
Society Islands	18,698	16,570	15,389	4,317	5,409	5,257
New Guinea					116,503	
Solomon Islands and other Islands of Australasia	21,367	18,700	30,414	768	339,696	90,533
East Indies			8,100			99,030
Straits Settlements and Federated Malay States			7,835			8,145
French Indo-China and Siam						14,495
Sumatra						4,879
Java			265			68,043
Borneo						2,576
Celebes						892
East Asia	41,262	27,447	21,427	2,317,015	2,601,642	2,566,695
China			110			176,223
U. S. S. R. (Soviet Union)	41,262	27,447	3,327	2,317,015	2,601,642	2,212,819
Japan			1,307			22,469
Philippine Islands			16,683			155,184

[4] Includes South Atlantic Islands.
[5] Includes Gambia.
[6] Included with Gold Coast.
[7] Includes Tasmania.

No. 645.—Water-Borne Imports and Exports—Cargo Tonnage, by Trade Regions and Countries: 1943, 1944, and 1945—Continued

[In cargo tons of 2,240 pounds]

FOREIGN ORIGIN OR DESTINATION	IMPORTS			EXPORTS		
	1943	1944	1945	1943	1944	1945
India, Persian Gulf, and Red Sea	1,263,093	908,902	1,052,016	5,068,596	5,618,170	3,658,518
Anglo-Egyptian Sudan	70,009	68,221	53,198	1,693,934	1,110,534	569,832
Eritrea and Somaliland	2,290	1,350	744	1,002	29,363	1,688
Egypt	(8)	(8)	(8)	(8)	(8)	(8)
Iraq (Mesopotamia)	15,911	25,233	40,892	217,733	66,641	49,214
Arabia Peninsula States	3,270	3,153	3,031	21,371	129,787	105,063
Iran (Persia)	2,940	12,175	4,796	1,646,765	1,025,469	137,303
U. S. S. R. (Persian Gulf)					804,187	
India and Dependencies	1,042,093	672,170	817,141	1,418,512	2,255,585	2,429,902
Ceylon	126,580	126,600	132,214	69,279	196,604	342,222
Persian Gulf, not otherwise specified						18,111
Burma						5,183
Canada	1,130,646	1,619,672	1,568,236	19,262,805	21,911,469	733,165
Pacific	636,754	944,978	588,156	1,135,241	951,991	
Atlantic and Newfoundland	493,892	674,694	969,100	743,881	654,055	711,000
Great Lakes	(9)	(9)	10,980	17,383,683	20,305,423	22,165

[8] Included with Anglo-Egyptian Sudan. [9] Not available.

Source: War Shipping Administration.

No. 646.—Vessels Entered and Cleared in Foreign Trade—Net Registered Tonnage: 1840 to 1948

In thousands of net tons. Excludes domestic trade. For definition of net registered tonnage and vessel entrances and clearances, see general note, p. 568. Figures cover years ending June 30 to and including 1918, calendar years thereafter. Seaports include all ports except northern border ports; see table 647. See also *Historical Statistics*, series K 146-157]

YEARLY AVERAGE OR YEAR	ENTERED		CLEARED		YEAR	ENTERED		CLEARED	
	Seaports	Other ports	Seaports	Other ports		Seaports	Other ports	Seaports	Other ports
1840 [1]	1,788	501	1,861	492	1918	31,101	14,356	31,869	14,145
1850	3,169	1,179	3,167	1,194	1918 (July-Dec.)	16,113	8,916	16,112	9,360
1860	5,000	3,275	5,257	3,533	1919	36,381	10,320	40,750	10,506
1870	6,270	2,886	6,362	2,807	1920	51,532	12,572	54,981	12,837
1871-1875	8,462	2,997	8,514	2,994	1921	49,958	12,327	50,423	12,242
1876-1880	12,134	2,792	12,197	2,807	1922	51,701	13,490	51,799	13,040
1881-1885	13,604	2,931	13,781	2,917	1923	52,775	13,544	53,215	13,409
1886-1890	13,479	2,602	13,655	2,593	1924	54,726	13,565	55,294	13,616
1891-1895	16,801	2,816	16,965	2,876	1925	55,636	13,742	57,160	13,069
1896-1900	20,931	3,989	21,077	4,007	1926	63,759	13,174	65,583	13,458
1901-1905	24,551	5,939	24,633	5,918	1927	58,921	15,389	59,759	15,682
1906-1910	29,651	8,072	29,156	8,036	1928	62,809	17,402	63,331	17,336
1911-1915	36,035	11,879	35,954	12,061	1929	66,852	15,749	67,030	15,313
1915-1920 [2]	38,071	13,440	40,137	13,511	1930	66,499	14,753	66,500	14,808
1921-1925	52,959	13,334	53,578	13,075	1931	60,427	12,355	61,204	12,297
1926-1930	63,768	15,293	64,441	15,319	1932	55,229	9,607	54,900	9,547
1931-1935	54,928	10,462	55,214	10,351	1933	51,564	9,372	52,083	9,204
1936-1940	55,521	11,595	56,967	11,575	1934	53,132	10,655	53,162	10,541
1941-1945	52,620	15,374	56,304	15,489	1935	54,289	10,324	54,722	10,165
1910-1914	35,212	11,408	34,965	11,614	1936	55,038	10,934	55,381	10,686
1914-1920 [3]	37,604	13,169	39,417	13,190	1937	59,980	11,580	61,177	11,704
1907	29,248	7,374	28,499	7,491	1938	59,223	11,293	60,064	11,222
1908	30,444	8,095	30,198	8,084	1939	57,973	11,019	59,218	11,088
1909	30,243	8,815	29,604	8,592	1940	45,393	13,151	48,996	13,176
1910	30,917	9,319	30,510	9,196	1941	42,616	16,445	46,142	16,454
1911	32,457	10,218	32,299	10,138	1942	28,258	15,684	31,976	15,730
1912	34,659	11,499	34,706	11,711	1943	44,739	16,345	50,232	16,484
1913	37,973	12,666	37,566	13,586	1944	66,305	15,555	71,717	15,668
1914	40,052	13,337	39,743	13,440	1945	81,182	12,839	81,452	13,107
1915	35,032	11,678	35,458	11,427	1946 [4]	69,516	10,738	66,413	10,849
1916	37,744	13,806	38,946	13,477	1947 [4]	80,856	12,907	84,489	12,617
1917	36,521	13,951	38,094	13,983	1948 [4]	76,910	14,023	75,714	13,735

[1] Year ending Sept. 30. [2] Average for period July 1, 1915, to Dec. 31, 1920.
[3] Average for period July 1, 1914, to Dec. 31, 1920. Shown because of marked effect of World War I on shipping.
[4] Preliminary data, subject to revision.

Source: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the United States, and records.

No. 647.—Vessels Entered and Cleared in Foreign Trade—Net Registered Tonnage by Regions, 1911 to 1948, and by Customs Districts, 1945 to 1948

[In thousands of net tons. See headnote, table 646]

CUSTOMS DISTRICT	1945		1946 [1]		1947 [1]		1948 [1]	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	94,021	94,559	80,254	77,262	93,763	97,107	90,927	89,449
Seaports, total	81,182	81,452	69,516	66,413	80,856	84,489	76,910	75,714
North Atlantic coast, total	39,935	34,858	31,787	27,842	32,115	32,245	33,454	32,425
Maine, New Hampshire	1,587	1,087	1,673	1,275	1,365	1,172	1,786	1,547
Massachusetts	3,682	3,170	2,740	1,352	3,050	1,354	3,043	1,695
Rhode Island	95	179	259	202	276	360	389	458
Connecticut	37	55	141	117	227	217	147	213
New York	28,722	23,936	21,298	19,197	20,103	22,807	21,795	24,184
Philadelphia	5,812	6,431	5,675	5,698	7,094	6,333	6,296	4,320
South Atlantic coast, total	10,893	12,866	12,253	13,450	20,750	21,956	16,059	16,072
Maryland	3,812	5,247	5,424	6,075	8,588	8,162	6,147	5,197
Virginia	5,508	5,193	4,372	4,619	9,119	10,760	6,691	7,969
North Carolina	55	63	45	126	77	56	106	119
South Carolina	504	1,015	1,043	1,154	1,442	1,174	1,170	734
Georgia	418	578	800	663	699	574	755	544
Puerto Rico	556	717	432	616	505	889	717	1,104
Virgin Islands [2]	40	53	136	197	329	343	473	397
Gulf coast, total	9,939	12,606	14,682	15,108	16,686	18,117	16,501	16,516
Florida	1,358	1,848	1,935	2,123	2,551	2,993	2,228	2,229
Mobile	1,668	1,287	2,600	1,500	2,496	1,931	2,611	1,505
New Orleans	3,359	3,825	4,426	3,975	5,393	5,722	5,367	5,926
Sabine	775	1,461	1,353	1,875	1,528	2,048	1,505	1,736
Galveston	2,778	4,185	4,368	5,635	4,719	5,428	4,793	5,115
Mexican border, Laredo	123	120	254	233	414	356	388	312
Pacific coast, total	20,291	21,002	10,541	9,779	10,877	11,810	10,493	10,380
Washington	2,580	2,922	2,088	1,745	2,414	2,319	2,578	2,348
Oregon	1,102	1,212	1,088	915	1,315	1,580	935	785
San Francisco	8,003	6,931	3,104	3,464	2,649	3,551	2,487	2,905
Los Angeles	4,878	6,180	2,281	2,331	3,100	3,197	3,122	2,976
Alaska	268	309	216	251	290	321	375	332
Hawaii	3,335	3,386	1,532	1,041	844	810	817	999
San Diego	126	61	232	32	259	34	181	28
Northern border, total	12,839	13,107	10,738	10,849	12,907	12,617	14,023	13,735
St. Lawrence	87	28	92	40	117	45	150	33
Rochester	1,484	1,555	1,250	1,287	1,740	1,728	1,648	1,580
Buffalo	1,777	823	469	245	596	291	640	265
Ohio	5,907	6,924	5,198	6,466	5,580	6,888	5,849	7,629
Michigan	1,547	1,467	1,518	1,114	1,974	1,701	1,987	1,817
Chicago	275	661	264	749	438	919	313	954
Wisconsin	183	523	247	288	256	319	262	237
Duluth and Superior	1,578	1,126	1,700	658	2,205	721	3,178	1,211

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:									
1911–1915	24,203	20,708	6,635	3,377	5,055	3,649	52	11,879	4,564
1915–1920 [3]	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
1936–1940	30,634	26,925	10,115	5,593	14,108	9,368	663	11,595	5,187
1941–1945	34,914	18,397	6,454	4,463	11,211	6,153	40	15,374	5,060
1944	47,885	19,807	4,869	4,239	13,478	8,186	72	15,555	5,049
1945	50,828	25,025	9,939	4,786	20,291	8,063	123	12,839	3,780
1946 [1]	44,040	25,351	14,682	5,492	10,541	5,323	254	10,738	2,324
1947 [1]	52,875	30,834	16,686	7,269	10,877	5,423	414	12,907	2,581
1948 [1]	49,513	36,198	16,501	8,273	10,493	6,227	388	14,023	2,900
Clearances:									
1911–1915	23,608	21,765	7,193	6,414	5,104	4,643	50	12,061	8,567
1915–1920 [3]	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	13,220	127	10,351	7,309
1936–1940	30,472	22,459	11,064	9,601	14,752	13,394	677	11,575	9,412
1941–1945	35,545	27,351	7,636	6,494	13,082	11,288	40	15,489	12,657
1944	49,450	40,812	6,274	5,271	15,928	13,995	65	15,668	12,016
1945	47,725	35,439	12,606	11,238	21,002	17,274	120	13,107	10,027
1946 [1]	41,292	27,054	15,108	13,105	9,779	7,631	233	10,849	9,548
1947 [1]	54,201	40,517	18,117	16,147	11,810	10,635	356	12,617	11,249
1948 [1]	48,497	32,595	16,516	14,169	10,380	9,169	312	13,735	12,339

[1] Preliminary data, subject to revision.

[2] Reported as a foreign country prior to Jan. 1, 1935.

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

Source: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the United States, and records.

No. 648.—Vessels Entered in Foreign Trade—Net Registered Tonnage, by Classes: 1881 to 1948

[**All figures except number of vessels and percentages in thousands of net tons.** See headnote, table 646. Totals represent sums of unrounded figures; may vary from sum of rounded amounts. See also *Historical Statistics*, series K 146–151]

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	32,038	16,308	3,395	12,913	20.8	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	29,651	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	36.5	54,928	227	54,701	42,835	12,093
1936–1940	33,954	67,117	19,243	47,873	28.7	55,521	102	55,419	41,951	13,570
1941–1945	38,997	67,994	34,658	33,336	51.0	52,620	37	52,583	28,995	23,625
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
1937	34,309	71,560	19,527	52,033	27.3	59,980	54	59,926	46,328	13,652
1938	33,079	70,516	19,020	51,496	27.0	59,223	51	59,172	42,806	16,417
1939	35,310	68,992	17,769	51,223	25.8	57,973	34	57,939	41,940	16,033
1940	33,636	58,544	19,220	39,324	32.8	45,393	60	45,333	34,008	11,385
1941	37,835	59,061	20,940	38,121	35.5	42,616	40	42,576	32,819	9,797
1942	31,358	43,942	13,611	30,331	31.0	28,257	32	28,225	18,077	10,181
1943	36,640	61,084	29,292	31,792	48.0	44,739	37	44,702	23,792	20,947
1944	40,854	81,860	48,071	33,789	58.7	66,305	30	66,275	32,297	34,008
1945	48,318	94,021	61,375	32,646	65.3	81,182	44	81,138	37,992	43,190
1946 [3]	48,082	80,254	53,042	27,213	66.1	69,516	[4]	[4]	36,339	33,177
1947 [3]	50,446	93,763	53,602	40,160	57.2	80,856	[4]	[4]	43,843	37,005
1948 [3]	50,238	90,927	47,726	43,199	52.5	76,910	[4]	[4]	51,044	25,866

Yearly average or year	Seaports—continued					Northern border ports			
	American vessels		Foreign vessels		Percent American	Total	American	Foreign	With cargo
	Total	With cargo	Total	With cargo					
1881–1890	2,933	2,559	10,609	9,001	21.7	2,766	462	2,304	1,976
1891–1900	3,619	2,956	15,247	11,228	19.2	3,403	1,359	2,044	1,589
1901–1905	3,962	3,246	20,589	15,960	16.1	5,939	2,840	3,099	2,602
1906–1910	4,175	3,471	25,475	20,150	14.1	8,072	4,197	3,875	3,207
1911–1915	5,276	4,200	30,759	23,578	14.6	11,879	6,929	4,950	4,564
1915–1920 [1]	14,508	11,375	23,563	13,753	38.1	13,440	7,490	5,950	5,646
1921–1925	22,526	18,404	30,433	23,068	42.5	13,334	7,119	6,215	6,475
1926–1930	23,182	18,809	40,586	29,901	36.4	15,293	7,132	8,162	7,700
1931–1935	19,854	16,870	35,074	25,965	36.1	10,462	3,993	6,469	4,997
1936–1940	16,090	13,865	39,432	28,086	29.0	11,595	3,154	8,441	5,187
1941–1945	30,059	16,877	22,560	12,118	57.1	15,374	4,599	10,775	5,060
1910–1914	4,753	3,787	30,459	24,309	13.5	11,408	6,575	4,832	4,501
1914–1920 [2]	13,327	10,481	24,276	14,456	35.4	13,169	7,330	5,840	5,430
1937	16,747	14,661	43,233	31,667	27.9	11,580	2,780	8,800	5,288
1938	15,899	13,080	43,324	29,726	26.8	11,293	3,121	8,172	5,085
1939	14,553	12,258	43,421	29,681	25.1	11,019	3,217	7,802	5,311
1940	15,740	13,965	29,652	20,043	34.7	13,151	3,480	9,671	4,953
1941	16,767	15,658	25,849	17,161	39.3	16,445	4,174	12,271	5,533
1942	10,326	8,004	17,931	10,073	36.5	15,684	3,285	12,400	5,105
1943	24,508	14,135	20,231	9,657	54.8	16,345	4,784	11,561	5,834
1944	42,196	20,509	24,109	11,788	63.6	15,555	5,875	9,680	5,049
1945	56,499	26,080	24,682	11,912	69.6	12,839	4,876	7,963	3,781
1946 [3]	49,139	23,429	20,377	12,910	70.7	10,738	3,902	6,835	2,324
1947 [3]	49,007	26,001	31,841	17,842	60.6	12,907	4,582	8,325	2,581
1948 [3]	43,270	28,107	33,640	22,937	56.3	14,023	4,457	9,568	2,900

[1] Average for period July 1, 1915, to Dec. 31, 1920.
[2] Average for period July 1, 1914, to Dec. 31, 1920.
[3] Preliminary data, subject to revision.
[4] Not available.

Source: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the United States, and records.

No. 649.—Vessels Cleared in Foreign Trade—Net Registered Tonnage, by Classes: 1881 to 1948

[**All figures except number of vessels and percentages in thousands of net tons.** See headnote, table 646. Totals represent sums of unrounded figures; may vary from sum of rounded amounts. See also *Historical Statistics*, series K 152-157]

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	16,472	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	35,954	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
1936–1940	32,706	68,541	19,448	49,093	28.4	56,967	102	56,864	46,126	10,841
1941–1945	38,195	71,792	37,283	34,509	51.9	56,304	41	56,262	45,147	11,157
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
1937	32,850	72,880	19,938	52,942	27.4	61,177	53	61,123	49,853	11,324
1938	31,710	71,286	18,829	52,456	26.4	60,064	58	60,006	49,780	10,284
1939	34,192	70,306	18,156	52,150	25.8	59,218	33	59,185	48,170	11,048
1940	33,417	62,171	20,248	41,923	32.6	48,996	52	48,943	38,154	10,842
1941	38,024	62,596	21,869	40,726	34.9	46,142	44	46,098	32,714	13,428
1942	30,506	47,705	16,354	31,352	34.3	31,975	32	31,943	26,464	5,511
1943	35,915	66,716	33,682	33,034	50.5	50,232	37	50,195	42,470	7,762
1944	40,321	87,385	53,050	34,335	60.7	71,717	52	71,665	60,095	11,622
1945	46,210	94,559	61,460	33,099	65.0	81,452	42	81,410	63,992	17,461
1946 [3]	44,469	77,262	49,101	28,161	63.6	66,413	[4]	[4]	47,875	18,538
1947 [3]	48,345	97,107	54,066	43,042	55.7	84,489	[4]	[4]	67,490	16,999
1948 [3]	46,067	89,449	45,775	43,667	51.2	75,714	[4]	[4]	56,154	19,552

YEARLY AVERAGE OR YEAR	SEAPORTS—continued					NORTHERN BORDER PORTS			
	American vessels		Foreign vessels		Percent American	Total	American	Foreign	With cargo
	Total	With cargo	Total	With cargo					
1881–1890	2,978	2,541	10,741	10,254	21.7	2,754	472	2,282	1,778
1891–1900	3,644	2,914	15,377	14,600	19.2	3,442	1,394	2,048	2,129
1901–1905	4,000	3,284	20,633	19,176	16.2	5,918	2,812	3,106	3,825
1906–1910	4,084	3,498	25,072	23,270	14.0	8,036	4,198	3,838	5,673
1911–1915	5,361	4,522	30,594	28,305	14.9	12,061	7,151	4,909	8,567
1915–1920 [1]	15,455	11,505	24,681	23,346	38.5	13,511	7,550	5,962	9,637
1921–1925	22,556	14,974	31,022	27,259	42.1	13,075	6,998	6,077	9,236
1926–1930	23,338	17,071	41,102	35,510	36.2	15,319	7,371	7,948	10,504
1931–1935	19,653	15,729	35,561	29,261	35.6	10,351	3,962	6,388	7,309
1936–1940	16,302	13,116	40,665	33,009	28.6	11,575	3,146	8,429	9,412
1941–1945	32,585	26,377	23,718	18,770	57.9	15,489	4,698	10,789	12,657
1910–1914	4,778	4,109	30,187	27,915	13.7	11,614	6,812	4,802	8,380
1914–1920 [2]	14,171	10,611	25,245	23,783	36.0	13,190	7,358	5,832	9,279
1937	17,134	14,038	44,043	35,815	28.0	11,704	2,804	8,900	9,890
1938	15,742	12,893	44,322	36,887	26.2	11,222	3,087	8,135	9,348
1939	14,903	12,130	44,316	36,040	25.2	11,088	3,253	7,835	8,880
1940	16,766	12,904	32,230	25,249	34.2	13,176	3,483	9,693	11,401
1941	17,701	12,251	28,441	20,462	38.4	16,454	4,169	12,285	13,824
1942	13,149	10,827	18,826	15,637	41.1	15,730	3,205	12,525	13,782
1943	28,826	24,140	21,406	18,330	57.0	16,484	4,856	11,628	13,638
1944	46,919	39,960	24,798	20,134	65.4	15,668	6,131	9,538	12,016
1945	56,332	44,705	25,120	19,286	69.2	13,107	5,129	7,979	10,027
1946 [3]	45,089	31,972	21,324	15,903	67.9	10,849	4,012	6,837	9,548
1947 [3]	49,534	38,786	34,955	28,704	58.6	12,617	4,531	8,085	11,249
1948 [3]	41,348	29,840	34,358	26,314	54.6	13,735	4,428	9,309	12,339

[1] Average for period July 1, 1915, to Dec. 31, 1920.
[2] Average for period July 1, 1914, to Dec. 31, 1920.
[3] Preliminary data, subject to revision.
[4] Not available.

Source: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the United States, and records.

No. 650.—Vessels Entered and Cleared at Seaports in Foreign Trade—Net Registered Tonnage, by Countries of Origin and Destination: 1921 to 1945

[In thousands of net tons. Only traffic by sea is included. For definition of net tonnage, see general note, p. 568]

COUNTRY	1921–1925, average	1926–1930, average	1931–1935, average	1936–1940, average	1941–1945, average	1943	1944	1945
Total by sea:								
Entered	52,959	63,768	54,928	55,521	52,620	44,739	66,305	81,182
Cleared	53,578	64,441	55,214	56,967	56,304	50,232	71,717	81,452
Belgium:								
Entered	1,231	1,560	1,068	940	929	----------	9	4,630
Cleared	1,190	1,280	1,013	892	348	----------	----------	1,739
Denmark:								
Entered	372	532	451	251	23	----------	----------	114
Cleared	450	686	402	167	21	----------	----------	107
France:								
Entered	1,953	2,321	2,027	2,093	1,721	7	1,050	7,531
Cleared	2,250	2,475	2,582	2,395	1,016	33	25	5,008
Germany:								
Entered	2,998	3,813	3,806	2,530	48	----------	----------	241
Cleared	3,165	3,714	3,235	2,119	50	----------	----------	251
Italy:								
Entered	1,707	2,101	1,909	1,638	1,706	380	3,949	4,139
Cleared	1,986	2,023	1,869	1,727	603	79	766	2,085
Netherlands:								
Entered	1,654	2,081	1,389	1,804	100	----------	----------	493
Cleared	1,464	1,499	1,050	1,358	107	----------	----------	529
Norway:								
Entered	384	360	379	554	52	----------	----------	261
Cleared	412	361	269	365	54	----------	----------	270
Spain:								
Entered	608	850	674	361	210	156	190	306
Cleared	463	612	597	250	139	99	86	157
Sweden:								
Entered	504	681	695	834	132	22	53	537
Cleared	353	498	412	604	93	19	38	297
United Kingdom:								
Entered	9,378	10,614	6,087	6,422	13,274	14,035	22,804	15,611
Cleared	8,647	10,577	6,147	5,871	11,912	13,809	18,362	11,715
Canada:								
Atlantic coast—[1]								
Entered	1,201	1,607	2,265	2,033	1,110	917	635	891
Cleared	1,331	1,709	2,267	2,408	4,775	6,465	8,274	5,602
British Columbia, Yukon—								
Entered	4,571	6,619	6,682	6,551	2,670	2,876	3,086	2,026
Cleared	4,573	6,556	6,878	7,272	3,092	2,766	2,832	2,228
Central America: [2]								
Entered	1,734	2,391	2,368	3,307	2,191	853	1,399	3,990
Cleared	1,640	2,692	2,801	4,211	2,535	1,093	2,644	3,721
Mexico:								
Entered	8,160	2,840	1,548	1,932	705	362	502	704
Cleared	8,391	2,892	1,755	2,028	780	576	593	744
British West Indies, Bermuda, and British Honduras:								
Entered	1,351	1,975	3,210	2,684	897	866	942	651
Cleared	1,435	2,216	3,400	3,172	1,334	1,196	1,638	1,140
Cuba:								
Entered	4,769	5,875	5,435	4,988	3,133	2,820	3,388	2,630
Cleared	4,659	5,832	5,292	4,832	3,012	2,602	3,207	2,517
Dominican Republic:								
Entered	380	713	688	499	283	123	377	154
Cleared	449	920	903	589	342	193	461	272
Haiti:								
Entered	105	220	176	251	128	65	103	108
Cleared	230	204	188	262	135	44	74	102
Argentina:								
Entered	1,006	966	499	828	534	350	546	434
Cleared	707	997	358	494	244	182	175	205
Brazil:								
Entered	552	918	803	637	707	717	677	792
Cleared	913	1,252	924	1,241	882	668	663	859
Chile:								
Entered	975	1,387	545	1,039	747	509	699	841
Cleared	793	1,058	507	734	511	379	372	610
Colombia:								
Entered	144	958	1,056	599	633	352	882	935
Cleared	226	966	1,015	1,030	592	356	705	571
British India, British Malaya, and Ceylon:								
Entered	57	833	704	691	877	829	788	997
Cleared	330	428	289	279	1,245	1,346	2,009	1,829

[1] Beginning 1939 includes maritime provinces only.
[2] Not including British Honduras.

No. 650.—Vessels Entered and Cleared at Seaports in Foreign Trade—Net Registered Tonnage, by Countries, Etc.—Continued

COUNTRY	1921–1925, average	1926–1930, average	1931–1935, average	1936–1940, average	1941–1945, average	1943	1944	1945
China, Hong Kong, and Kwantung:								
Entered	959	1,044	827	805	96	----------	----------	106
Cleared	963	894	562	359	96	----------	----------	194
Japan:								
Entered	1,607	2,320	2,169	2,853	733	----------	----------	2,294
Cleared	2,106	3,284	3,815	4,631	623	----------	----------	1,808
Philippine Islands:								
Entered	408	611	1,012	986	1,110	----------	9	4,534
Cleared	359	503	466	663	454	----------	----------	1,472
Oceania:								
Entered	509	931	778	693	4,651	4,671	7,558	8,242
Cleared	946	1,396	831	714	2,677	3,006	3,399	5,071
All other countries:								
Entered	3,165	6,649	5,677	6,717	13,220	13,829	16,659	16,990
Cleared	3,149	6,913	5,388	6,299	18,631	15,321	25,394	30,849

No. 651.—Vessels Entered and Cleared at Seaports in Foreign Trade—Net Registered Tonnage, by Nationality of Vessel: 1921 to 1945

[**In thousands of net tons.** Includes only traffic by sea and to and from foreign countries. The large trade with Canada on the Great Lakes and the St. Lawrence is handled primarily by vessels of the United States and of the British (Canadian) flag. British (Canadian) flag vessels predominate in this trade. See tables 648 and 649 in which the columns for northern border represent trade with Quebec and Ontario]

NATIONALITY	1921–1925, average	1926–1930, average	1931–1935, average	1936–1940, average	1941–1945, average	1943	1944	1945
Total by sea:								
Entered	52,959	63,768	54,928	55,521	52,620	44,739	66,305	81,182
Cleared	53,578	64,441	55,214	56,967	56,304	50,232	71,717	81,452
American:								
Entered	22,526	23,182	19,855	16,090	30,059	24,508	42,196	56,499
Cleared	22,556	23,338	19,653	16,302	32,585	28,826	46,919	56,332
Total foreign:								
Entered	30,433	40,586	35,074	39,432	22,561	20,231	24,109	24,682
Cleared	31,022	41,102	35,561	40,665	23,718	21,406	24,798	25,120
Belgian:								
Entered	332	374	274	332	143	155	107	173
Cleared	343	370	269	329	158	184	122	180
British:								
Entered	16,807	20,189	15,270	14,506	10,012	9,790	11,838	11,016
Cleared	17,064	20,291	15,373	14,889	10,749	10,558	12,319	11,149
Danish:								
Entered	929	1,136	917	1,040	40	1	2	199
Cleared	928	1,168	902	1,054	41	----------	3	190
Dutch:								
Entered	1,300	1,798	1,634	2,322	1,212	1,027	1,325	1,326
Cleared	1,292	1,809	1,627	2,352	1,235	1,050	1,402	1,298
French:								
Entered	1,492	1,870	1,652	1,852	222	158	314	438
Cleared	1,518	1,905	1,694	1,859	227	123	323	502
German:								
Entered	847	2,654	3,260	2,488	----------	----------	----------	----------
Cleared	870	2,736	3,280	2,414	----------	----------	----------	----------
Italian:								
Entered	1,490	2,175	1,798	1,690	30	15	104	29
Cleared	1,569	2,150	1,800	1,704	33	----------	104	62
Japanese:								
Entered	2,059	2,618	2,473	3,014	357	----------	----------	----------
Cleared	2,235	2,741	2,682	3,428	400	----------	----------	----------
Norwegian:								
Entered	2,817	4,026	4,072	6,672	3,932	3,307	4,061	4,562
Cleared	2,784	4,136	4,178	6,839	3,989	3,325	4,089	4,680
Spanish:								
Entered	480	571	459	185	198	175	183	251
Cleared	487	586	457	188	197	169	188	235
Swedish:								
Entered	564	985	1,013	1,206	542	217	291	818
Cleared	566	1,005	1,017	1,233	541	228	280	766
All other foreign:								
Entered	1,317	2,190	2,252	4,125	5,872	5,386	5,884	5,870
Cleared	1,366	2,206	2,281	4,377	6,148	5,769	5,968	6,058

Source of tables 650 and 651: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the United States.