20. 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. 574.—Rural Roads in the United States—Approximate Mileage: 1921 to 1948

[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	1946	1947	1948
All rural roads, total	2,925	3,006	3,009	3,032	2,990	3,009	3,010	3,007
Primary State highways	203	275	324	332	329	342	337	350
Secondary State highways				58	81	86	92	85
County roads under State control				115	114	119	120	121
County and local roads [1]	2,722	2,731	2,685	2,527	2,466	2,462	2,461	2,451
Surfaced rural roads, total	387	521	694	1,063	1,340	1,504	1,544	1,574
Primary State highways	84	145	227	280	302	318	322	335
Secondary State highways				39	65	73	76	69
County roads under State control				38	55	64	69	71
County and local roads [1]	303	376	467	706	918	1,049	1,077	1,099
Nonsurfaced rural roads, total [2]	2,538	2,485	2,315	1,969	1,650	1,505	1,466	1,433
Primary State highways	119	130	97	52	27	24	15	15
Secondary State highways				19	16	13	16	16
County roads under State control				77	59	55	51	50
County and local roads [1] [2]	2,419	2,355	2,218	1,821	1,548	1,413	1,384	1,352

[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: Department of Commerce, Bureau of Public Roads; Highway Statistics, Summary to 1945; and subsequent annual reports.

No. 575.—State Highway Systems—Existing Mileage, Mileage Built, Funds Available and Disbursements: 1930 to 1948

[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	1945	1946	1947	1948
Total mileage at end of year	[1] 324,498	523,474	551,766	573,234	579,410	582,295	590,293
Mileage under State control	[2]	520,351	548,499	570,239	576,569	579,459	587,645
Primary State-highway systems	[1] 324,498	331,867	329,472	338,310	342,071	337,020	349,929
Nonsurfaced roads	[1] 97,726	52,060	26,991	22,873	24,116	15,447	14,459
Surfaced roads	[1] 226,772	279,807	302,481	315,437	317,955	321,573	335,470
Low type [3]	[1] 142,659	168,282	180,091	182,786	183,373	188,499	199,313
High type [3]	[1] 84,113	111,525	122,390	132,651	134,082	133,074	136,157
Secondary roads	[2]	173,603	195,245	202,350	204,293	211,676	205,853
Urban extensions of State-highway systems	[2]	14,881	23,782	29,573	30,205	30,763	31,863
Connecting streets not under State control	[2]	3,123	3,267	2,995	2,841	2,776	2,648
Total mileage built during year by State-highway departments	35,277	26,814	32,594	15,278	21,713	32,870	41,968
Graded and drained	7,813	3,284	2,207	283	440	1,343	2,017
Surfaced	27,464	23,530	30,387	14,995	21,273	31,527	39,951
State-highway funds available ($1,000) [4]	1,423,164	1,205,945	2,037,606	2,242,572	2,959,836	3,602,066	4,173,407
Disbursements of State-highway funds ($1,000) [4]	1,139,677	848,355	1,591,290	1,255,298	1,669,889	2,362,900	2,841,328

[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: Department of Commere, Bureau of Public Roads; Highway Statistics, Summary to 1945; and subsequent annual reports.

No. 576.—Existing Rural Road Mileage, by Type and by Governmental Control, by States, End of 1947

[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] 3,009,617	1,543,041	1,346,137	196,904	1,466,346	[4] [5] 553,921	2,383,744	71,952
Alabama	[6] 60,042	40,502	39,167	1,335	19,540	6,774	[6] 52,898	370
Arizona	28,706	8,076	7,595	481	20,630	3,800	15,754	9,152
Arkansas	55,536	21,706	19,924	1,782	33,829	9,314	46,221	----
California	[3] 97,678	58,577	48,767	9,810	38,871	12,899	74,479	10,300
Colorado	75,810	16,331	15,843	488	59,479	11,818	63,204	788
Connecticut	10,990	10,553	7,488	3,065	437	2,700	8,290	----
Delaware	3,756	2,955	2,052	903	801	3,756	----	----
Florida	38,786	16,557	14,789	1,768	22,229	7,763	29,897	1,126
Georgia	[6] 89,680	21,095	15,702	5,393	68,585	12,971	[6] 76,709	----
Idaho	36,017	16,963	16,727	236	19,054	4,966	24,835	6,216
Illinois	104,634	84,168	72,073	12,095	20,466	10,331	94,303	----
Indiana	82,712	73,377	64,223	9,154	9,335	9,546	73,166	----
Iowa	101,488	61,461	55,636	5,825	40,027	8,770	92,718	----
Kansas	129,517	36,274	34,459	1,815	93,243	9,390	120,112	15
Kentucky	58,268	32,655	29,933	2,722	25,613	10,069	47,402	797
Louisiana	38,954	22,438	18,304	4,134	16,516	13,875	[7] 25,079	----
Maine	20,705	17,051	16,260	791	3,654	9,033	10,676	96
Maryland	17,097	11,360	7,030	4,330	5,737	4,449	12,563	85
Massachusetts	17,358	16,218	13,229	2,989	1,140	1,820	15,538	----
Michigan	93,201	68,056	60,657	7,399	25,145	8,484	84,717	----
Minnesota	109,661	77,567	74,822	2,745	32,094	10,780	97,730	1,151
Mississippi	61,287	33,718	30,773	2,945	27,569	6,266	53,992	1,029
Missouri	116,089	56,107	51,428	4,679	59,982	15,909	99,410	770
Montana	69,949	18,386	18,355	31	51,563	8,615	55,348	5,986
Nebraska	100,613	27,362	26,084	1,278	73,251	8,848	91,506	259
Nevada	23,801	4,390	4,346	44	19,411	5,616	18,185	----
New Hampshire	12,522	8,658	8,209	449	3,864	3,605	8,813	104
New Jersey	18,340	14,660	11,873	2,787	3,680	1,758	[8] 16,582	----
New Mexico	61,365	8,419	7,702	717	53,446	9,873	48,120	3,372
New York	81,472	69,620	43,885	25,735	11,852	14,465	67,007	----
North Carolina	62,088	36,202	30,969	5,233	25,886	60,819	----	1,269
North Dakota	114,439	24,346	24,303	43	90,093	6,764	107,261	414
Ohio	85,719	75,268	65,657	9,611	10,451	16,067	69,652	----
Oklahoma	99,607	20,047	15,901	4,146	79,560	[8] 10,206	88,779	622
Oregon	54,514	24,440	20,692	3,748	30,074	7,503	33,411	13,600
Pennsylvania	85,130	51,136	33,299	17,837	33,994	38,795	46,255	80
Rhode Island	2,521	2,165	1,558	607	356	782	1,739	----
South Carolina	46,242	16,600	14,184	2,416	29,642	16,459	29,783	----
South Dakota	98,634	27,851	27,529	322	70,783	6,078	91,609	947
Tennessee	65,047	49,078	45,931	3,147	15,969	7,403	57,066	578
Texas	196,434	73,184	59,744	13,440	123,250	26,827	169,607	----
Utah	24,039	8,824	8,171	653	15,215	4,744	15,359	3,936
Vermont	13,403	8,103	7,715	388	5,300	1,820	11,561	22
Virginia	48,945	40,517	35,278	5,239	8,428	47,503	768	674
Washington	50,729	31,310	27,094	4,216	19,419	5,896	40,073	4,760
West Virginia	34,254	16,083	13,142	2,941	18,171	32,834	1,085	335
Wisconsin	85,579	75,600	70,625	4,975	9,979	9,924	75,161	494
Wyoming	25,760	7,027	7,010	17	18,733	4,334	19,321	2,105

[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] Includes only mileage of roads not forming a part of State or local highway systems.
[3] Total includes 230 miles, not classified by type, for California.
[4] Includes 5,225 miles of State park, forest, institutional and other roads that are not part of State or local highway systems.
[5] Includes State Forest Highways formerly included with Federal.
[6] Includes small amount of unsegregated urban mileage.
[7] Includes 3,746 miles of roads formerly a part of State secondary and farm-to-market systems.
[8] Estimated by State authorities.

Source: Department of Commerce, Bureau of Public Roads; Highway Statistics, 1948.

No. 577.—Disbursements of State-Highway Funds, by States: 1921 to 1948

[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	1944	1945	1946	1947	1948
Cont. U. S.		411,995	1,139,677	848,355	1,591,290	1,212,066	1,255,298	1,669,889	2,362,900	2,841,328
New England		25,910	76,418	81,054	98,625	58,070	64,034	89,091	129,988	145,540
Maine	1901	6,524	17,184	11,671	13,550	9,791	10,169	18,848	32,707	24,512
New Hampshire	1903	2,360	9,640	6,165	8,386	5,110	6,935	7,993	9,953	13,893
Vermont	1898	951	9,013	5,920	8,365	4,093	3,975	6,134	9,204	11,100
Massachusetts	1892	7,864	21,926	36,719	37,635	20,157	21,428	22,905	36,365	44,291
Rhode Island	1902	2,213	3,367	3,681	8,011	5,764	6,350	7,613	9,235	12,533
Connecticut	1895	5,998	15,288	16,898	22,678	13,155	15,177	25,598	32,524	39,211
Middle Atlantic		101,475	216,236	127,513	307,819	207,562	186,770	222,287	351,536	463,489
New York	1898	36,855	73,233	54,770	158,946	97,142	72,575	88,766	162,509	204,951
New Jersey	1891	15,608	47,414	26,771	57,509	37,919	43,980	34,991	47,469	66,549
Pennsylvania	1903	49,012	95,589	45,972	91,364	72,501	70,215	98,530	141,558	191,989
E. N. Central		68,512	190,673	141,442	312,905	267,129	242,329	308,047	389,683	509,835
Ohio	1904	15,547	47,491	25,772	93,403	75,549	76,257	96,343	116,645	137,667
Indiana	1917	8,110	22,569	17,053	40,461	38,501	34,935	42,802	50,204	67,825
Illinois	1905	15,693	48,854	42,729	70,536	52,505	53,188	72,812	88,580	125,089
Michigan	1905	16,744	46,136	23,653	67,403	68,721	50,159	60,118	87,973	110,061
Wisconsin	1911	12,417	25,623	31,335	41,102	31,853	27,740	35,972	46,191	69,193
W. N. Central		48,078	171,732	112,817	148,681	103,958	109,097	164,521	237,231	277,306
Minnesota	1905	7,480	39,365	22,950	31,275	21,547	22,807	35,998	50,595	57,179
Iowa	1904	18,276	50,607	22,239	32,517	23,643	22,633	32,861	54,024	56,125
Missouri	1907	4,727	43,921	27,661	27,553	19,463	20,554	28,456	37,818	49,524
North Dakota	1909	1,030	3,992	4,911	7,355	5,833	6,105	6,927	13,888	19,671
South Dakota	1911	4,738	5,915	6,728	9,236	5,535	5,644	8,344	14,304	20,666
Nebraska	1911	4,836	11,087	10,379	20,117	15,130	15,802	22,168	27,090	32,319
Kansas	1911	6,991	16,845	17,949	20,628	12,807	15,552	29,767	39,512	41,822
South Atlantic		51,181	139,904	127,216	232,740	173,081	194,163	288,117	386,894	430,982
Delaware	1903	3,765	8,492	3,613	4,379	3,103	3,340	4,941	6,058	9,873
Maryland	1898	7,616	17,992	14,700	27,243	17,588	19,422	25,699	31,222	50,531
Dist. of Col	1938	(1)	(1)	(1)	6,588	4,173	4,362	7,868	10,693	13,571
Virginia	1906	7,114	19,189	19,790	28,277	25,264	29,487	47,203	60,071	56,271
West Virginia	1909	1,877	23,308	20,406	25,835	25,794	26,878	31,922	40,957	46,523
North Carolina	1901	15,100	25,613	28,083	39,799	26,489	29,120	56,162	74,036	79,189
South Carolina	1917	3,941	22,753	12,597	22,804	15,309	21,609	27,003	38,290	46,804
Georgia	1908	9,664	12,690	16,479	38,803	18,208	24,214	36,384	50,536	46,917
Florida	1915	2,103	9,858	11,548	39,012	37,093	35,731	50,935	75,031	81,303
E. S. Central		16,621	92,737	55,169	118,474	86,918	99,980	131,199	179,108	199,989
Kentucky	1912	5,757	19,497	18,806	25,716	16,486	19,603	25,892	39,643	42,202
Tennessee	1915	6,328	53,278	14,190	34,031	31,418	31,705	45,638	54,193	64,461
Alabama	1911	1,036	15,373	12,197	27,723	20,407	25,813	31,620	45,039	40,798
Mississippi	1915	3,500	4,589	9,976	31,004	18,607	22,859	28,049	39,633	52,528
W. S. Central		34,417	136,738	80,597	151,120	130,336	128,398	186,749	283,994	304,059
Arkansas	1913	7,520	39,821	16,102	18,278	14,642	15,112	23,836	35,326	31,912
Louisiana	1910	5,347	29,357	19,022	29,662	25,955	21,702	31,737	47,370	58,333
Oklahoma	1911	4,775	20,228	11,568	23,506	26,879	24,222	33,955	47,467	44,256
Texas	1917	16,775	47,332	33,905	79,674	62,860	67,362	97,221	153,831	169,558
Mountain		27,463	47,023	50,088	73,634	50,636	49,616	92,716	125,285	144,155
Montana	1913	3,640	6,378	7,633	11,741	6,405	6,682	13,340	15,652	19,867
Idaho	1905	4,863	6,637	6,105	8,039	6,120	5,674	11,965	14,196	13,962
Wyoming	1911	3,446	3,590	5,078	6,272	3,101	3,318	8,159	12,193	15,546
Colorado	1909	4,186	8,144	7,781	14,694	11,113	11,671	16,560	25,978	36,805
New Mexico	1909	3,713	9,138	7,359	13,428	7,743	8,088	16,353	19,777	18,567
Arizona	1909	2,948	5,233	5,631	8,864	6,808	6,056	11,740	17,379	19,245
Utah	1909	3,107	5,193	5,914	6,342	6,962	6,222	8,360	12,567	12,856
Nevada	1911	1,590	2,710	4,587	4,254	2,384	1,905	6,239	7,543	7,317
Pacific		38,339	68,215	72,459	147,292	134,376	180,911	187,162	279,181	365,973
Washington	1905	9,696	15,806	17,666	39,925	27,352	28,602	39,668	50,996	57,723
Oregon	1913	17,828	14,668	16,991	18,385	15,819	14,234	22,750	34,629	42,162
California	1895	10,815	37,741	37,802	88,982	91,205	138,075	124,744	193,556	266,088

[1] Data not available.

Source: Department of Commerce, Bureau of Public Roads; Highway Statistics, 1948, and previous annual statements on State-highway finance.

No. 578.—State-Highway Funds Available, by Source, and Disbursements, by Purpose, by States: 1948

[**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 interstate and intrastate toll authorities that are operated by State or quasi-State agencies]

Division and State	Funds available					Disbursements				
							For State-administered highways			
	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]	Capital outlay, roads and bridges[3]	Maintenance[3]	Other[4]	For county and local roads and streets
Cont. U. S.	4,173,407	2,081,046	364,852	312,773	1,414,736	2,841,328	1,138,674	458,407	318,151	652,891
New England	211,058	105,277	13,968	26,653	65,160	145,540	59,071	37,337	18,650	20,731
Maine	28,080	17,406	2,286		8,394	24,512	10,822	8,043	3,882	1,339
New Hampshire	13,740	8,264	1,459	652	3,365	13,893	5,934	4,479	2,224	907
Vermont	13,020	7,911	1,437		3,672	11,100	2,858	3,103	587	4,368
Massachusetts	89,444	34,346	4,207	26,001	24,890	44,291	19,116	11,278	5,135	5,891
Rhode Island	13,975	9,844	2,032		2,099	12,533	4,525	2,183	1,350	46
Connecticut	52,799	27,506	2,547		22,740	39,211	15,816	8,256	5,472	8,120
Middle Atlantic	997,343	335,040	39,784	136,920	485,599	463,489	198,236	58,845	59,464	62,126
New York	[5] 444,246	149,343	11,557		[5] 283,346	204,951	63,955	20,047	20,439	24,194
New Jersey	163,780	59,931	8,210	5,108	90,531	66,549	28,085	7,941	6,732	19,018
Pennsylvania	389,317	125,766	20,017	131,812	111,722	191,989	106,196	30,857	32,293	18,914
E. N. Central	661,316	375,572	58,030	318	227,396	509,835	174,344	73,677	34,284	206,068
Ohio	168,873	111,552	10,245		47,076	137,667	37,907	28,157	8,767	58,535
Indiana	71,353	50,604	8,111		12,638	67,825	26,977	10,233	3,301	24,189
Illinois	180,965	86,203	14,827		79,935	125,089	32,128	11,840	17,201	59,338
Michigan	120,043	76,845	13,866		29,332	110,061	44,670	14,313	2,882	44,647
Wisconsin	120,082	50,368	10,981	318	58,415	69,193	32,662	9,134	2,133	19,350
W. N. Central	365,742	190,117	60,379	2,925	112,321	277,306	119,810	51,532	32,258	65,604
Minnesota	87,869	42,533	10,907		34,429	57,179	27,212	10,875	4,775	12,307
Iowa	72,482	43,116	9,347		20,019	56,125	15,870	6,628	9,723	22,305
Missouri	80,146	32,613	10,062		37,471	49,524	24,150	11,473	11,441	1,430
North Dakota	21,765	8,839	6,149	2,925	3,852	19,671	11,708	2,980	696	3,922
South Dakota	22,346	10,681	6,545		5,120	20,666	9,900	5,227	646	4,495
Nebraska	32,885	23,444	5,911		3,530	32,319	12,254	6,002	1,693	11,674
Kansas	48,249	28,891	11,458		7,900	41,822	18,716	8,341	3,284	9,381
South Atlantic	648,279	321,602	45,401	114,090	167,186	430,982	181,422	98,318	59,870	52,467
Delaware	48,734	4,575	1,407	42,632	120	9,873	[6] 3,945	[6] 1,558	3,090	[6]
Maryland	100,335	34,389	3,965	37,778	24,203	50,531	18,500	6,277	8,929	15,867
Dist. of Columbia	18,195	10,017	3,527		4,651	13,571				11,958
Virginia	61,228	48,372	7,335		5,521	56,271	[6] 29,392	[6] 17,644	6,405	[6] 805
West Virginia	60,932	28,473	3,118	3,006	26,335	46,523	[6] 13,625	[6] 22,982	9,435	[6]
North Carolina	130,220	62,998	8,491		58,731	79,189	[6] 30,726	[6] 23,276	11,752	[6]
South Carolina	66,431	27,077	4,932	20,077	14,345	46,804	21,042	10,294	10,379	3,652
Georgia	69,815	41,655	7,743		20,417	46,917	23,306	7,560	5,263	9,715
Florida	92,389	64,046	4,883	10,597	12,863	81,303	31,886	8,727	4,617	10,410
E. S. Central	268,010	153,594	29,411	10,461	74,544	199,989	78,755	23,842	21,292	64,302
Kentucky	65,158	40,968	6,573		17,617	42,202	21,552	9,804	3,303	6,422
Tennessee	86,071	49,057	8,786	392	27,836	64,461	30,197	6,271	6,097	14,888
Alabama	53,026	37,439	4,650		10,937	40,798	8,712	3,581	5,116	20,902
Mississippi	63,755	26,130	9,401	10,069	18,154	52,528	18,294	4,186	6,776	22,990
W. S. Central	422,989	230,437	48,856	10	143,686	304,059	118,264	50,074	38,999	56,032
Arkansas	48,146	26,394	6,395		15,357	31,912	10,924	5,939	8,236	5,821
Louisiana	96,999	38,928	4,769		53,302	58,333	21,104	11,770	12,629	7,613
Oklahoma	77,481	40,495	5,826		31,160	44,256	8,549	10,858	2,957	20,180
Texas	200,363	124,620	31,866	10	43,867	169,558	77,687	21,507	15,177	22,418
Mountain	164,593	90,755	36,667	8,035	29,136	144,155	75,480	26,563	13,619	23,804
Montana	21,402	10,143	4,519	5,018	1,722	19,867	10,503	5,779	1,423	1,818
Idaho	16,610	12,097	2,721		1,792	13,962	5,121	3,239	587	4,857
Wyoming	17,158	6,660	5,726		4,772	15,546	9,955	3,103	575	1,712
Colorado	41,545	24,410	7,404		9,671	36,805	18,950	3,824	4,120	8,594
New Mexico	20,394	12,214	4,709	3,017	454	18,557	9,162	3,328	3,961	773
Arizona	24,867	12,973	4,739		7,155	19,245	10,190	2,612	1,257	4,519
Utah	14,453	8,535	3,890		2,028	12,856	6,599	3,131	1,172	1,531
Nevada	8,164	3,723	2,899		1,542	7,317	5,000	1,547	524	
Pacific	434,077	278,652	32,356	13,361	109,708	365,973	133,292	38,219	39,715	101,667
Washington	80,266	43,403	5,704	13,361	17,798	57,723	18,692	6,461	6,880	18,213
Oregon	55,406	29,955	6,180		19,271	42,162	16,290	9,806	4,602	9,333
California	298,405	205,294	20,472		72,639	266,088	98,310	21,952	28,233	74,121

[1] Balances from 1947, totaling $1,250,485,000; and miscellaneous revenues, totaling $164,251,000.
[2] Includes disbursements not shown separately and not elsewhere included: For collection and administration of highway-user revenues, $83,925,000; for nonhighway purposes, $189,370,000.
[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] Excludes transactions of Port of New York Authority. Highway toll collections of this authority amounted to $26,755,000.
[6] Expenditures on county roads under State control included with those for State-administered highways.

Source: Department of Commerce, Bureau of Public Roads; Highway Statistics, 1948.

No. 579.—Federal Highway Projects, by States: Status as of June 30, 1949

[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	**746,948**	**389,130**	**20,587.6**	**1,016,965**	**520,070**	**13,738.0**	**332,795**	**155,978**	**6,315.9**	**276,075**
Alabama	9,563	4,733	431.9	11,819	6,379	277.2	3,456	2,162	156.9	12,488
Arizona	6,530	4,257	92.5	7,410	5,047	53.7	198	140	14.0	966
Arkansas	10,226	5,255	337.4	11,586	6,647	149.7	8,227	3,818	112.6	5,346
California	42,495	23,897	349.2	49,555	24,211	256.7	4,629	2,111	57.6	4,812
Colorado	17,923	10,338	369.8	10,578	6,252	156.9	3,230	1,947	76.0	3,966
Connecticut	6,638	3,210	34.8	9,828	5,124	14.7	3,140	1,520	11.0	1,542
Delaware	3,435	1,709	58.1	3,314	2,195	24.2	2,205	1,078	21.8	2,714
District of Columbia	429	202	1.9	14,400	6,932	2.0	751	375	1.2	190
Florida	11,498	5,402	235.4	6,881	2,884	114.4	2,296	1,162	69.9	3,968
Georgia	15,703	8,232	462.1	35,470	17,941	777.3	13,173	5,781	57.6	6,861
Idaho	3,950	2,476	135.4	5,298	3,338	96.5	1,643	984	61.4	4,774
Illinois	23,115	11,486	539.5	46,190	23,047	499.5	30,324	13,318	222.9	5,659
Indiana	17,733	8,910	159.3	22,376	11,685	144.5	3,543	1,983	19.0	9,481
Iowa	24,056	12,427	1,156.7	19,892	9,642	752.9	12,671	5,752	408.6	2,069
Kansas	26,243	13,236	1,777.1	19,390	9,930	918.2	7,807	4,008	490.0	3,379
Kentucky	13,924	6,847	225.5	15,599	7,860	195.1	6,119	3,068	102.3	3,404
Louisiana	10,319	5,459	147.5	17,559	8,370	136.9	12,563	5,836	89.1	3,397
Maine	5,787	3,025	52.5	7,669	3,708	70.8	864	434	8.5	3,253
Maryland	3,252	1,607	32.2	18,903	11,129	88.1	9,522	3,267	20.8	1,773
Massachusetts	8,041	4,545	44.7	20,407	10,700	38.0	4,136	2,153	12.4	15,178
Michigan	32,889	16,799	469.6	47,780	20,144	297.0	10,378	5,196	283.6	2,991
Minnesota	26,349	12,932	1,399.0	23,324	11,744	504.3	9,512	5,048	342.1	2,301
Mississippi	16,364	8,176	584.4	16,966	8,595	404.9	3,914	1,977	146.8	8,279
Missouri	21,879	11,178	663.4	26,815	14,365	576.1	13,177	6,006	294.3	7,652
Montana	10,295	6,114	488.9	12,420	7,459	293.0	4,135	2,618	111.2	9,001
Nebraska	11,459	5,715	550.0	10,382	5,679	354.5	5,153	2,544	138.1	5,003
Nevada	4,446	3,352	225.3	3,948	3,254	144.3	1,741	1,432	17.4	3,287
New Hampshire	5,107	2,613	31.0	3,677	2,159	16.5	327	159	1.0	1,414
New Jersey	16,653	8,344	42.2	32,569	16,051	41.1	5,118	2,626	2.9	1,522
New Mexico	8,715	5,671	310.6	4,446	2,842	68.3	2,662	1,708	47.9	2,072
New York	28,164	12,637	182.0	88,031	43,725	346.8	29,763	13,873	51.5	33,734
North Carolina	23,703	11,690	645.1	24,919	12,367	568.5	3,193	1,465	30.8	11,550
North Dakota	13,039	7,259	1,030.4	10,975	5,771	629.8	4,784	2,381	304.2	3,563
Ohio	20,376	10,406	190.6	54,867	27,646	212.8	6,524	3,322	30.3	14,892
Oklahoma	11,939	5,955	767.6	14,073	6,862	630.3	10,524	5,334	421.5	4,300
Oregon	11,913	6,731	288.0	11,693	5,481	145.1	1,130	608	9.1	3,254
Pennsylvania	43,072	22,574	242.5	63,977	32,013	145.1	12,073	5,993	32.9	11,070
Rhode Island	4,922	2,430	22.8	3,702	1,825	10.5	4,086	2,361	7.1	2,509
South Carolina	10,922	5,515	281.7	10,161	5,279	236.3	1,258	666	99.2	6,017
South Dakota	12,564	7,484	845.8	10,715	6,397	641.4	4,086	3,270	349.6	1,699
Tennessee	16,708	8,762	461.8	28,301	15,255	259.6	7,736	3,989	187.3	3,625
Texas	55,774	29,541	2,354.4	58,186	30,205	1,081.6	32,157	9,266	726.6	9,028
Utah	5,024	3,605	226.4	4,720	3,439	110.0	1,290	963	54.9	1,570
Vermont	4,731	2,370	74.9	4,279	2,093	50.8	1,397	699	16.1	1,166
Virginia	13,888	7,113	223.6	19,977	11,681	199.1	3,885	1,891	116.5	11,544
Washington	9,158	4,777	207.8	13,013	6,554	108.8	5,244	2,131	91.4	1,666
West Virginia	6,861	3,610	113.1	10,738	5,311	132.0	3,434	1,715	42.0	2,478
Wisconsin	25,710	11,137	681.0	27,369	12,504	405.0	5,288	2,439	174.1	7,815
Wyoming	8,143	5,202	309.5	8,425	5,445	300.1	2,183	1,368	142.9	408
Hawaii	2,350	1,136	15.7	3,804	2,056	19.3	2,416	1,035	8.0	2,273
Puerto Rico	2,311	959	15.0	7,929	2,758	37.8	2,228	1,007	12.0	3,082

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

No. 580.—Public Road Finances—County, Local Rural Roads, City and Village Streets, Funds Contributed and Disbursed: 1930 to 1948

[In millions of dollars. Data are for varying fiscal years, as reported by individual States. Includes State disbursements. See also *Historical Statistics*, series K 205–224]

SOURCE OR PURPOSE	1930	1935	1940	1945	1946 [1]	1947 [1]	1948 [1]
APPROXIMATE FUNDS CONTRIBUTED							
County and local rural roads, total	800	624	893	550	727	824	877
County and local rural revenue sources	509	235	243	250	290	306	318
Borrowings	95	50	68	21	[2] 47	[2] 76	[2] 74
State revenues	196	217	273	268	372	401	435
Federal funds		122	309	11	18	41	50
City and village streets, total	911	490	596	322	439	489	529
Revenue of—							
Counties and local rural agencies	[3]	12	12	13	9	5	5
Urban places	787	335	347	239	303	314	325
Borrowings	112	17	17	23	[2] 65	[2] 77	294
State highway-user imposts	12	23	53	47	62	93	101
Federal work-relief funds (mainly WPA)		103	167				
Federal funds							4
DISBURSEMENTS							
County and local rural roads, total	813	605	907	541	637	747	816
Capital outlay	297	207	455	90	156	245	287
Maintenance and administration	321	212	265	355	443	414	446
Debt retirement	113	111	129	69	[4] 68	[4] 68	[4] 63
Interest	82	75	58	27	20	20	20
City and village streets, total	799	461	567	414	483	531	601
Capital outlay	478	223	344	49	87	111	124
Maintenance and administration	230	170	162	225	262	288	348
Debt retirement	[3]	[3]	[3]	90	86	84	83
Interest	91	68	61	50	48	48	46

[1] Preliminary estimate.
[2] Excludes refunding issues.
[3] Not available.
[4] Excludes retirement by refunding.

Source: Department of Commerce, Bureau of Public Roads.

No. 581.—Motor Vehicles—Estimate of Travel of Motor Vehicles: 1936 to 1948

[In million vehicle miles. Excludes military-vehicle travel beginning 1942. See also *Historical Statistics*, series K 236–238b]

TYPE OF VEHICLE AND AREA	1936	1940	1944	1945	1946	1947	1948
All motor vehicles:							
Total travel	252,128	302,143	211,580	249,344	340,655	370,622	397,589
Urban travel	129,450	149,993	110,750	130,161	170,049	184,088	199,082
Rural travel	122,678	152,150	100,830	119,183	170,606	186,534	198,507
Passenger vehicles:							
Urban travel	110,419	130,269	93,679	111,323	148,497	158,770	170,331
Rural travel	100,602	121,947	76,193	92,034	136,012	145,763	153,411
Trucks and combinations:							
Urban travel	19,031	19,724	17,071	18,838	21,552	25,318	28,751
Rural travel	22,076	30,203	24,637	27,149	34,594	40,771	45,096

Source: Department of Commerce, Bureau of Public Roads; Highway Statistics, 1948, and previous annual statements on vehicle miles.

No. 582.—Motor Vehicles—Factory Sales and Registrations: 1900 to 1948

[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						REGISTRATIONS (IN THOUSANDS)		
	Number (in thousands)			Wholesale value [2] (thousands of dollars)			Total (excl. publicly owned)	Passenger cars, and taxis [3]	Motor trucks and busses [3]
	Total	Passenger cars	Motor trucks [1]	Total	Passenger cars	Motor trucks [1]			
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
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	1,700,426	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	33,046	28,100	5,846
1947	4,798	3,558	1,240	5,673,739	3,963,896	1,709,843	37,360	30,719	6,642
1948	5,285	3,909	1,376	6,711,612	4,853,402	1,858,210	40,622	33,261	7,361

[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—Department of Commerce, Bureau of Public Roads; *Highway Statistics, Summary to 1945*; and subsequent annual reports.

No. 583.—Motor Fuel Consumption: 1940 to 1948

[**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	1940	1941	1942	1943	1944	1945	1946	1947	1948
Total consumption	24,404	26,720	22,692	18,871	19,524	22,304	29,201	32,036	34,707
Total usage	24,039	26,429	22,439	18,643	19,292	22,047	28,877	31,681	34,329
Highway	22,001	24,192	19,940	16,004	16,430	19,149	25,649	28,216	30,461
Nonhighway	2,037	2,237	2,499	2,639	2,862	2,898	3,228	3,465	3,869
Private and commercial use, total	23,324	25,713	21,831	18,196	18,837	21,576	28,382	31,030	33,616
Highway	21,418	23,638	19,473	15,668	16,090	18,708	25,269	27,714	29,909
Nonhighway	1,906	2,075	2,358	2,528	2,748	2,778	3,113	3,315	3,707
Public use, total	714	717	608	447	455	471	495	651	713
Federal	263	120	101	42	42	43	44	58	64
Highway	193	120	101	42	42	43	44	58	64
Nonhighway	70	----	----	----	----	----	----	----	----
State, county, and municipal	452	597	507	405	412	428	450	593	649
Highway	391	435	366	294	298	308	336	443	488
Nonhighway	61	162	141	111	115	120	115	149	162
Losses allowed for evaporation, handling, etc	366	291	254	229	232	257	325	355	378

Source: Department of Commerce, Bureau of Public Roads; Highway Statistics, Summary to 1945; and subsequent annual reports.

No. 584.—Motor-Vehicle Registrations (Combined Figures for Passenger Cars, Busses, and Motor Trucks), by States, 1915 to 1948

[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	1947	1948
Continental U. S.	2,491	9,239	19,941	26,532	26,230	32,035	30,638	37,360	40,622
New England	206	573	1,281	1,699	1,682	2,020	1,967	2,333	2,463
Maine	22	63	140	186	181	206	207	240	249
New Hampshire	13	35	81	112	117	135	128	150	157
Vermont	11	32	70	87	82	94	90	107	111
Massachusetts	103	274	637	846	786	904	859	1,038	1,099
Rhode Island	16	50	102	137	149	187	178	208	222
Connecticut	41	119	251	331	367	494	505	590	625
Middle Atlantic	497	1,474	3,537	4,921	4,964	5,976	5,311	6,477	7,017
New York	255	676	1,626	2,308	2,331	2,743	2,330	2,889	3,156
New Jersey	82	228	581	853	888	1,087	1,020	1,221	1,318
Pennsylvania	160	570	1,330	1,760	1,745	2,146	1,961	2,367	2,543
East North Central	667	2,229	4,917	6,383	6,085	7,298	6,884	8,197	8,904
Ohio	181	621	1,346	1,759	1,715	1,919	1,905	2,239	2,397
Indiana	97	333	725	875	851	1,000	984	1,151	1,295
Illinois	181	569	1,263	1,638	1,526	1,926	1,721	2,030	2,205
Michigan	115	413	989	1,328	1,239	1,552	1,454	1,800	1,979
Wisconsin	93	293	594	783	754	901	820	977	1,028
West North Central	500	1,782	2,942	3,682	3,494	3,960	3,663	4,327	4,693
Minnesota	93	324	570	733	727	871	750	875	968
Iowa	145	437	659	778	699	794	693	817	887
Missouri	76	297	604	762	766	922	854	1,039	1,104
North Dakota	25	91	145	183	164	182	181	213	234
South Dakota	29	120	168	205	179	196	179	219	240
Nebraska	59	219	339	426	406	412	406	467	504
Kansas	73	294	457	595	553	583	600	697	750
South Atlantic	161	806	1,920	2,518	2,657	3,408	3,453	4,383	4,767
Delaware	5	18	40	56	57	72	68	80	87
Maryland	31	103	234	322	346	444	459	540	560
District of Columbia	19	34	103	157	171	162	111	156	167
Virginia	21	115	283	376	386	500	548	701	758
West Virginia	13	81	218	266	248	303	284	349	399
North Carolina	21	141	340	453	463	592	606	766	832
South Carolina	15	94	168	218	236	337	336	450	476
Georgia	25	146	248	342	394	503	523	649	708
Florida	11	74	286	328	356	495	518	693	771
East South Central	68	358	879	1,215	1,129	1,513	1,517	1,987	2,193
Kentucky	20	113	262	331	346	464	435	550	609
Tennessee	26	102	245	368	352	450	460	601	660
Alabama	12	75	195	279	245	340	359	484	533
Mississippi	10	68	177	237	186	259	263	352	391
West South Central	84	773	1,794	2,411	2,360	2,891	2,767	3,454	3,840
Arkansas	8	59	184	220	207	257	275	353	382
Louisiana	11	73	207	275	269	365	404	467	513
Oklahoma	25	213	424	550	502	575	505	611	673
Texas	40	428	979	1,366	1,382	1,694	1,583	2,024	2,272
Mountain	81	371	677	964	959	1,239	1,193	1,491	1,660
Montana	15	61	95	135	150	191	157	193	216
Idaho	7	51	82	119	118	163	151	191	218
Wyoming	4	24	48	62	70	86	82	100	113
Colorado	29	129	240	309	285	352	342	423	462
New Mexico	7	18	49	84	92	125	118	155	174
Arizona	8	35	68	111	103	138	143	186	211
Utah	9	43	74	114	106	140	154	185	205
Nevada	2	10	21	30	35	44	46	57	61
Pacific	227	873	1,994	2,739	2,900	3,730	3,883	4,713	5,085
Washington	39	174	329	446	454	562	614	712	772
Oregon	24	115	217	252	294	394	414	523	565
California	164	584	1,448	2,041	2,152	2,774	2,855	3,479	3,748

Source: Department of Commerce, Bureau of Public Roads; Highway Statistics, Summary to 1945; and subsequent annual reports.

No. 585.—Motor-Vehicle Registrations and Revenues, by States: 1948

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[4]
							Thousands of dollars	
Continental U. S.	**41,151,326**	**33,261,454**	**7,360,810**	**529,062**	**2,372,567**	**492,165**	**717,794**	**570,926**
New England	**2,491,616**	**2,072,798**	**389,888**	**28,930**	**102,399**	**19,626**	**36,257**	**26,682**
Maine	251,870	187,132	[5] 61,585	3,153	[5] 17,974	2,982	5,731	4,688
New Hampshire	160,487	119,611	37,364	3,512	9,535	2,255	3,738	[6] 3,126
Vermont	111,603	[7] 95,407	[7] 15,266	930	5,561	1,108	3,798	3,317
Massachusetts	1,111,359	943,320	155,404	12,566	46,420	6,884	9,223	5,686
Rhode Island	224,244	190,452	31,597	2,195	3,771	2,082	4,028	3,270
Connecticut	632,053	536,867	88,612	6,574	19,138	4,315	9,739	6,595
Middle Atlantic	**7,097,780**	**5,965,680**	**1,050,562**	**81,538**	**211,529**	**69,539**	**143,940**	**115,868**
New York	3,195,072	2,721,884	434,007	39,181	106,707	27,207	65,382	58,133
New Jersey	1,331,916	1,112,470	205,249	14,197	23,999	10,925	30,969	20,659
Pennsylvania	2,570,792	2,131,326	411,306	28,160	80,823	31,407	47,589	37,076
East North Central	**8,999,025**	**7,626,088**	**1,278,462**	**94,475**	**623,327**	**102,244**	**147,008**	**123,551**
Ohio	2,423,264	2,096,623	299,925	26,716	192,318	27,867	44,024	35,430
Indiana	1,304,824	1,059,447	236,010	9,367	134,029	15,501	[6] 15,338	11,969
Illinois	2,222,953	1,899,305	305,761	17,887	56,161	30,363	34,292	30,134
Michigan	2,005,949	[9] 1,741,613	[9] 237,716	26,620	227,748	16,977	35,141	29,288
Wisconsin	1,042,035	829,100	199,050	13,885	13,071	11,536	18,213	16,730
West North Central	**4,740,675**	**3,723,067**	**970,284**	**47,324**	**437,792**	**50,406**	**66,340**	**59,496**
Minnesota	977,474	798,144	170,334	8,996	109,890	12,007	17,006	15,068
Iowa	897,755	734,281	152,917	10,557	135,397	11,244	17,926	16,826
Missouri	1,112,229	876,882	227,248	8,099	79,426	8,479	14,647	12,905
North Dakota	235,743	162,796	[10] 70,748	2,199	[10] 1,896	1,276	3,516	3,291
South Dakota	249,659	185,953	60,468	3,238	32,789	2,329	2,447	2,221
Nebraska	509,666	394,306	109,509	5,851	61,973	5,641	4,568	3,857
Kansas	758,149	570,705	179,060	8,384	16,421	9,430	6,230	5,328
South Atlantic	**4,840,324**	**3,794,854**	**973,682**	**72,388**	**242,928**	**76,931**	**86,481**	**61,639**
Delaware	88,316	68,240	18,816	1,260	3,555	708	1,641	1,192
Maryland	574,005	469,500	99,582	4,923	16,471	7,815	14,374	7,253
District of Columbia	171,188	146,164	20,846	[11] 4,178	1,654	1,009	3,067	1,454
Virginia	769,010	610,301	147,996	10,713	32,351	12,448	11,004	8,777
West Virginia	406,147	302,356	97,135	6,656	9,972	5,958	12,098	7,780
North Carolina	848,357	659,725	171,981	16,651	74,380	15,123	16,714	13,970
South Carolina	484,579	381,152	95,390	8,037	8,322	8,512	4,116	3,235
Georgia	716,287	540,984	166,833	8,470	27,078	9,455	4,829	3,144
Florida	782,435	616,432	154,503	11,500	70,145	15,843	18,638	14,825
East South Central	**2,228,638**	**1,642,448**	**550,762**	**35,428**	**27,911**	**29,176**	**35,598**	**27,209**
Kentucky	616,400	468,001	139,921	7,578	[12] 19	7,941	11,038	5,267
Tennessee	672,522	518,604	141,736	12,182	[12] 104	9,625	10,002	8,970
Alabama	541,993	391,704	141,370	8,919	9,153	8,720	8,852	7,737
Mississippi	397,723	263,239	127,735	6,749	18,635	2,890	5,706	5,235
West South Central	**3,893,114**	**2,930,006**	**910,226**	**52,882**	**179,625**	**47,611**	**76,337**	**54,123**
Arkansas	389,410	256,527	125,906	6,977	26,561	3,318	6,311	5,177
Louisiana	518,601	390,663	121,926	6,012	29,393	7,025	5,662	4,223
Oklahoma	683,465	508,318	164,922	10,225	12,267	7,477	12,714	9,786
Texas	2,301,638	1,774,498	497,472	29,668	111,404	29,791	51,650	34,937
Mountain	**1,695,784**	**1,239,829**	**419,416**	**36,539**	**104,174**	**18,959**	**19,329**	**14,599**
Montana	221,222	145,800	69,993	5,429	6,317	1,372	2,514	1,760
Idaho	221,983	156,979	60,590	4,414	35,381	3,236	2,425	1,903
Wyoming	115,943	82,431	30,389	3,123	13,508	1,109	1,196	905
Colorado	469,545	354,748	107,588	7,209	17,268	4,952	4,379	3,079
New Mexico	178,258	126,458	47,160	4,640	5,544	2,276	3,282	2,668
Arizona	216,702	161,547	49,450	5,705	20,045	3,600	2,782	1,850
Utah	208,908	164,538	40,575	3,795	1,617	1,844	2,211	[6] 2,005
Nevada	63,223	47,328	13,671	2,224	4,494	570	540	429
Pacific	**5,164,370**	**4,266,684**	**818,128**	**79,558**	**442,882**	**77,673**	**106,504**	**87,759**
Washington	791,226	623,913	147,815	19,498	58,497	7,053	14,359	11,618
Oregon	574,331	448,545	116,232	9,554	20,791	7,122	4,569	3,234
California	3,798,813	3,194,226	554,081	50,506	363,594	62,898	87,576	72,907

[1] Excludes vehicles owned by military services, or by 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 California, includes $40,851,000 vehicle license fees and for Washington, $6,677,000 motor vehicle excise taxes.
[4] Includes fees for registration of automobiles (including taxicabs), busses, and trucks and tractor trucks.
[5] Commercial full trailers included with trucks.
[6] Includes fees for registration of trailers.
[7] Data for trucks under 1,500 pounds capacity included with automobiles.
[8] Estimated.
[9] Data for taxicabs included with trucks.
[10] Trailers shown are house trailers. Commercial trailers and semitrailers registered with truck or tractor as a unit.
[11] Includes 1,319 automobiles of the diplomatic corps.
[12] Represents publicly owned only. Heavy semitrailers registered with tractors (as a unit); full trailers not permitted. Automobile trailers not required to register.

Source: Department of Commerce, Bureau of Public Roads; Highway Statistics, 1948.

No. 586.—Number of Motor-Vehicle Accident Fatalities by Place of Accident, Place of Death, and Place of Residence: Reporting Area and Each Reporting State, 1947

[Based on special transcripts supplied through cooperation of State vital statistics offices and State traffic authorities in a reporting area which covered 47 States and the District of Columbia and represented 95 percent of population of U. S. Reported fatalities represented about 94 percent of total motor-vehicle accident fatalities in U. S. in 1947]

State	Fatalities from accidents occurring in 1947 (by place of accident)			Deaths occurring in 1947 (by place of death)			Fatalities from accidents occurring in 1947 (by place of residence)		
	Total	Traffic	Non-traffic	Total	Traffic	Non-traffic	Total	Traffic	Non-traffic
Reporting area	30,195	29,597	598	30,204	29,608	596	30,094	29,496	598
Alabama	701	683	18	698	681	17	714	695	19
Arizona	274	261	13	269	256	13	233	222	11
Arkansas	290	280	10	284	274	10	283	273	10
California	3,397	3,327	70	3,406	3,335	71	3,398	3,328	70
Colorado	372	359	13	377	364	13	350	339	11
Connecticut	249	242	7	247	240	7	249	243	6
Delaware	69	69		71	71		68	68	
District of Columbia	69	69		81	79	2	112	110	2
Florida	802	784	18	796	778	18	736	718	18
Georgia	695	675	20	688	669	19	687	666	21
Idaho	192	188	4	184	180	4	179	175	4
Illinois	1,942	1,936	6	1,929	1,923	6	2,029	2,023	6
Indiana	1,144	1,121	23	1,152	1,129	23	1,116	1,094	22
Iowa	580	567	13	592	579	13	568	555	13
Kansas	433	414	19	442	423	19	422	404	18
Kentucky	704	693	11	702	692	10	707	696	11
Louisiana	478	465	13	475	463	12	476	464	12
Maine	181	177	4	180	176	4	177	172	5
Maryland	432	417	15	417	403	14	405	392	13
Massachusetts	544	534	10	554	544	10	574	564	10
Michigan	1,486	1,448	38	1,489	1,452	37	1,544	1,504	40
Minnesota	599	577	22	608	586	22	631	609	22
Mississippi	472	472		462	462		471	471	
Missouri	801	781	20	800	781	19	819	800	19
Montana	171	168	3	168	165	3	157	154	3
Nebraska	334	333	1	324	323	1	329	327	2
Nevada[1]	21	21		17	17		21	21	
New Hampshire	99	92	7	102	95	7	94	89	5
New Jersey	651	636	15	664	649	15	655	640	15
New Mexico	263	255	8	260	252	8	190	181	9
New York	1,806	1,784	22	1,806	1,784	22	1,906	1,883	23
North Carolina	911	893	18	910	892	18	910	891	19
North Dakota	130	122	8	126	118	8	138	129	9
Ohio	1,855	1,841	14	1,861	1,848	13	1,832	1,816	16
Oklahoma	521	507	14	510	496	14	517	505	12
Oregon	450	436	14	454	440	14	427	414	13
Pennsylvania	1,777	1,750	27	1,782	1,756	26	1,797	1,771	26
Rhode Island	91	87	4	95	91	4	100	94	6
South Carolina	542	539	3	537	534	3	525	522	3
South Dakota	178	170	8	181	173	8	161	153	8
Tennessee	669	656	13	711	695	16	674	661	13
Utah	190	187	3	193	190	3	175	172	3
Vermont	64	64		62	62		60	60	
Virginia	724	716	8	720	712	8	656	647	9
Washington	561	544	17	552	535	17	568	550	18
West Virginia	379	370	9	374	364	10	387	378	9
Wisconsin	784	772	12	773	761	12	770	759	11
Wyoming	118	115	3	119	116	3	97	94	3

[1] Data incomplete.

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1947.

No. 587.—Number of Motor-Vehicle Traffic Accident Fatalities by Age, Race, and Sex, and by Status of Decedent: Reporting Area, 1947

[See headnote, table 586]

Age and race	Male					Female				
	Total	Driver	Passenger	Pedestrian	Other and not stated	Total	Driver	Passenger	Pedestrian	Other and not stated
All ages	**23,001**	**8,624**	**5,269**	**7,218**	**1,890**	**6,596**	**585**	**3,428**	**2,093**	**490**
Under 1 year	85	----	75	4	6	55	----	45	2	8
1 to 4 years	615	----	175	410	30	399	----	128	249	22
5 to 14 years	1,419	38	305	771	305	651	4	216	371	60
15 to 19 years	2,032	858	801	179	194	707	49	518	80	60
20 to 24 years	3,291	1,831	1,019	186	255	586	57	427	55	47
25 to 34 years	3,679	2,098	905	382	294	746	126	470	86	64
35 to 44 years	2,726	1,332	666	567	221	707	126	377	148	56
45 to 54 years	2,591	1,029	482	915	165	766	98	416	204	48
55 to 64 years	2,048	747	427	1,285	189	810	79	379	302	50
65 to 74 years	2,398	483	317	1,452	146	694	41	278	328	47
75 years and over	1,465	198	144	1,042	81	462	5	165	265	27
Not stated	52	10	13	25	4	13	----	9	3	1
White	**20,866**	**8,124**	**4,674**	**6,439**	**1,629**	**6,073**	**567**	**3,223**	**1,863**	**420**
Under 1 year	77	----	68	3	6	51	----	43	2	6
1 to 4 years	552	----	167	362	23	363	----	125	223	15
5 to 14 years	1,274	38	281	680	275	584	4	208	321	51
15 to 19 years	1,884	824	727	162	171	658	48	482	76	52
20 to 24 years	3,025	1,736	904	159	226	526	53	390	43	40
25 to 34 years	3,294	1,946	788	310	250	666	120	432	65	49
35 to 44 years	2,371	1,235	494	462	180	647	124	347	127	49
45 to 54 years	2,283	952	420	780	131	694	95	384	171	44
55 to 64 years	2,434	723	384	1,175	152	762	77	366	273	46
65 to 74 years	2,230	465	295	1,337	133	664	41	272	308	43
75 years and over	1,398	195	137	988	78	446	5	165	252	24
Not stated	44	10	9	21	4	12	----	9	2	1
Nonwhite	**2,135**	**500**	**595**	**779**	**261**	**523**	**18**	**205**	**230**	**70**
Under 1 year	8	----	7	1	----	4	----	2	----	2
1 to 4 years	63	----	8	48	7	36	----	3	26	7
5 to 14 years	145	----	24	91	30	67	----	8	50	9
15 to 19 years	148	34	74	17	23	49	1	36	4	8
20 to 24 years	266	95	115	27	29	60	4	37	12	7
25 to 34 years	385	152	117	72	44	80	6	38	21	15
35 to 44 years	355	97	112	105	41	60	2	30	21	7
45 to 54 years	308	77	62	135	34	72	3	32	33	4
55 to 64 years	214	24	43	110	37	48	2	13	29	4
65 to 74 years	168	18	22	115	13	30	----	6	20	4
75 years and over	67	3	7	54	3	16	----	----	13	3
Not stated	8	----	4	4	----	1	----	----	1	----

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1947.

No. 588.—Number of Traffic Accident Fatalities by Hour of Accident and Place of Accident, Urban and Rural: Reporting Area, 1947

[See headnote, table 586]

Hour of accident	Total	Urban	Rural	Hour of accident	Total	Urban	Rural
Total	**29,597**	**9,168**	**20,429**	12 m. to 12:59 p. m.	762	222	540
				1 p. m. to 1:59 p. m.	812	215	597
12 p. m. to 12:59 a. m.	1,201	393	808	2 p. m. to 2:59 p. m.	936	225	711
1 a. m. to 1:59 a. m.	1,182	327	855	3 p. m. to 3:59 p. m.	1,252	317	935
2 a. m. to 2:59 a. m.	835	249	586	4 p. m. to 4:59 p. m.	1,415	366	1,049
3 a. m. to 3:59 a. m.	553	164	389	5 p. m. to 5:59 p. m.	1,864	567	1,297
4 a. m. to 4:59 a. m.	380	85	295	6 p. m. to 6:59 p. m.	1,916	643	1,273
5 a. m. to 5:59 a. m.	311	88	223	7 p. m. to 7:59 p. m.	1,912	646	1,266
6 a. m. to 6:59 a. m.	475	151	324	8 p. m. to 8:59 p. m.	1,536	514	1,022
7 a. m. to 7:59 a. m.	495	154	341	9 p. m. to 9:59 p. m.	1,371	419	952
8 a. m. to 8:59 a. m.	559	145	414	10 p. m. to 10:59 p. m.	1,365	370	995
9 a. m. to 9:59 a. m.	558	136	422	11 p. m. to 11:59 p. m.	1,392	425	967
10 a. m. to 10:59 a. m.	734	181	553	Hour not stated	4,908	1,920	2,988
11 a. m. to 11:59 a. m.	813	246	567				

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1947.

No. 589.—Number of Motor-Vehicle Traffic Accident Fatalities by Type of Accident, at Intersection, Urban and Rural: Reporting Area, 1947

[See headnote, table 586]

Type of accident	Total	Urban				Rural			
		Total	At intersection	Not at intersection	Not stated	Total	At intersection	Not at intersection	Not stated
Total	**29,597**	**9,168**	**3,544**	**4,019**	**1,605**	**20,429**	**2,521**	**14,750**	**3,158**
Collision:									
Pedestrian	9,454	5,294	2,153	2,248	893	4,160	517	2,879	764
Other motor vehicle	8,606	1,683	926	533	224	6,923	1,405	4,642	876
Railroad train	1,646	450	13	433	4	1,196	14	1,178	4
Streetcar	121	106	41	48	17	15	5	5	6
Bicycle	508	203	66	101	36	305	46	210	49
Animal-drawn vehicle	54	5	1	2	2	49	2	37	10
Animal	72	2		2		70	4	63	3
Fixed object	2,560	648	178	336	134	1,912	134	1,358	420
Noncollision:									
Overturning on roadway	991	125	34	70	21	866	61	681	124
Running off roadway	3,964	234	56	151	27	3,730	265	3,191	274
Other noncollision	879	208	71	89	48	671	52	468	151
Other and not stated	742	210	5	6	199	532	16	39	477

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1947.

No. 590.—Number of Motor-Vehicle Traffic Accident Fatalities by Type and Place of Accident, Urban and Rural, by Month of Accident: Reporting Area, 1947

[See headnote, table 586]

Type and place of accident	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total	**29,597**	**2,226**	**1,964**	**2,131**	**2,111**	**2,351**	**2,211**	**2,510**	**2,832**	**2,663**	**2,838**	**2,840**	**2,920**
Collision	23,021	1,834	1,601	1,699	1,691	1,783	1,667	1,847	2,085	1,995	2,192	2,204	2,333
Pedestrian	9,454	904	665	714	742	658	600	613	731	767	911	1,008	1,141
Other motor-vehicle	8,606	536	516	587	609	730	678	774	911	809	848	842	766
Other collision	4,961	394	420	398	340	395	389	460	443	419	433	444	426
Noncollision	5,834	356	318	387	376	511	478	599	679	582	571	466	512
Other and not stated	742	36	45	45	45	57	66	64	68	86	75	80	75
Urban	**9,168**	**801**	**637**	**736**	**714**	**685**	**618**	**646**	**746**	**772**	**862**	**894**	**1,057**
Collision	8,391	756	593	671	669	619	564	569	655	690	784	835	986
Pedestrian	5,294	526	360	400	437	365	338	307	378	412	517	568	686
Other motor-vehicle	1,683	115	109	146	139	134	110	150	159	160	151	135	175
Other collision	1,414	115	124	125	93	120	116	112	118	118	116	132	125
Noncollision	567	32	29	53	33	52	39	52	74	62	61	34	46
Other and not stated	210	13	15	12	12	14	15	25	17	20	17	25	25
Rural	**20,429**	**1,425**	**1,327**	**1,395**	**1,397**	**1,666**	**1,593**	**1,864**	**2,086**	**1,891**	**1,976**	**1,946**	**1,863**
Collision	14,630	1,078	1,008	1,028	1,022	1,164	1,103	1,278	1,430	1,305	1,408	1,459	1,347
Pedestrian	4,160	378	305	314	305	293	262	306	353	355	394	440	455
Other motor-vehicle	6,923	421	407	441	470	596	568	624	752	649	697	707	591
Other collision	3,547	279	296	273	247	275	273	348	325	301	317	312	301
Noncollision	5,267	324	289	334	342	459	439	547	605	520	510	432	466
Other and not stated	532	23	30	32	33	43	51	39	51	66	58	55	50

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; Motor-Vehicle Accident Fatalities, 1947.

21. 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. 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. 591.—Steam Railways—Mileage Owned and Mileage Operated: 1925 to 1948

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

ITEM	1925	1930	1935	1940	1945	1947	1948
Number of operating companies [1]	947	775	661	574	517	502	485
Road owned, first track (miles) [2]	249,398	249,052	241,822	233,670	226,696	225,806	225,149
Miles operated: [3]							
All railways, road, first track	261,871	262,215	254,347	246,739	240,156	238,962	238,060
Total, reporting railways	417,954	429,883	419,228	405,975	398,054	397,355	397,203
Road, first track	258,631	260,440	252,930	245,740	239,438	238,209	237,756
Other main tracks	40,962	42,742	41,916	41,373	41,106	40,954	40,845
Yard track and sidings	118,361	126,701	124,382	118,862	117,510	118,192	118,602
Class I railways, road, first track	236,848	242,391	237,491	232,524	227,877	227,038	226,704

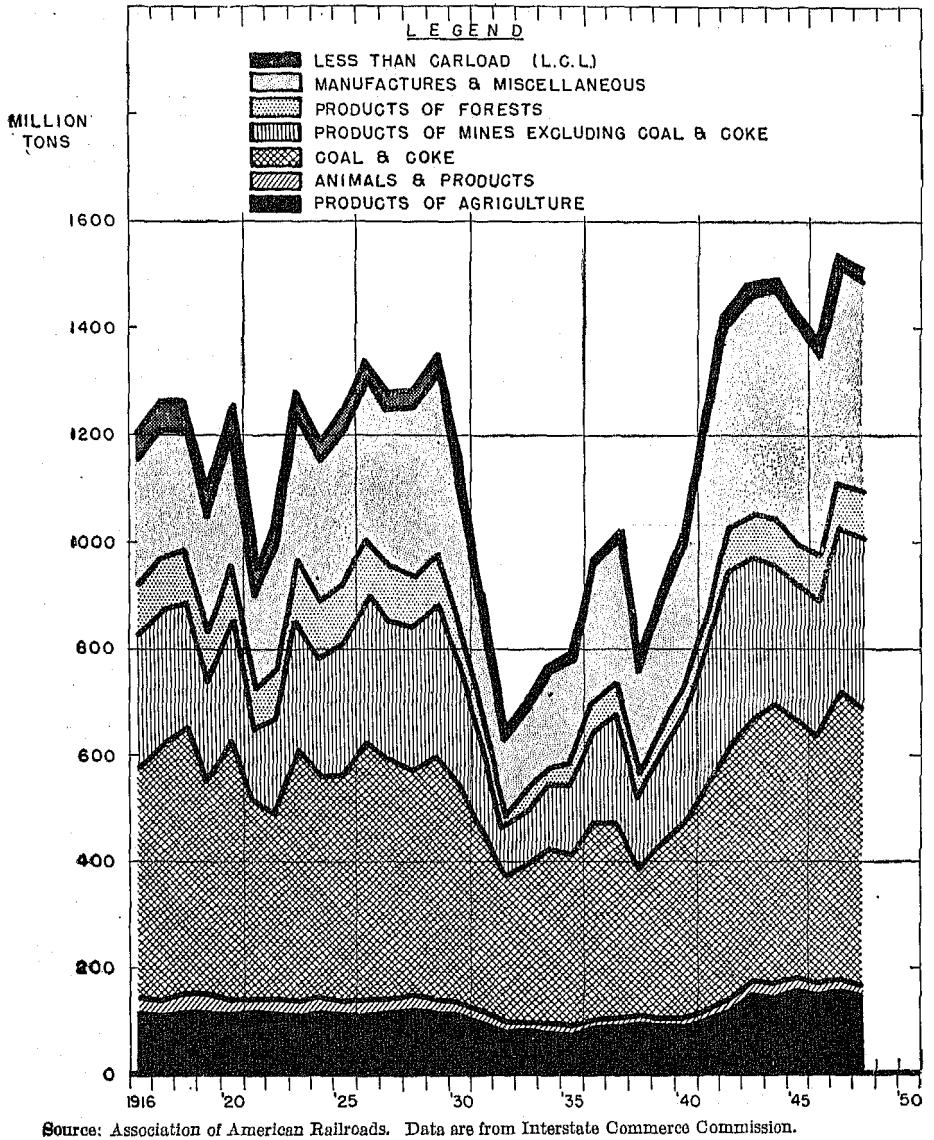
CLASS OF COMPANIES	1947			1948		
	Companies	Miles of road		Companies	Miles of road	
		Owned [2]	Operated [3]		Owned [2]	Operated [3]
Total	**1,114**	**225,806**	**238,962**	**1,083**	**225,149**	**238,060**
Class I line-haul operating	127	177,949	227,038	129	180,525	226,704
Lessors to Class I	201	30,123	----------	192	27,607	----------
Class II line-haul operating	173	7,625	8,608	171	7,575	8,569
Lessors to Class II	6	189	----------	6	189	----------
Class III line-haul operating	175	2,330	2,563	176	2,267	2,483
Lessors to Class III	8	68	----------	8	58	----------
Switching and terminal	[4] 252	(5)	(5)	[4] 252	(5)	(5)
Proprietary [6]	122	6,414	----------	117	6,380	----------
Circular	33	692	513	21	351	136
Unofficial	17	416	240	11	197	168

[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 212 operating, 13 lessor, 15 proprietary, 10 circular, and 2 unofficial companies in 1947, and 213 operating, 13 lessor, 15 proprietary, 7 circular, and 4 unofficial in 1948.
[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 S.—REVENUE FREIGHT ORIGINATED, CLASS I RAILROADS: 1916 TO 1948

[See table 609]



Source: Association of American Railroads. Data are from Interstate Commerce Commission.

No. 592.—Steam Railways—Summary Statistics: 1890 to 1948

[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	Number of operating railways [1]	Mileage: Road owned (first track) [2]	Mileage: Track operated (all track) [3]	Equipment [4]: Locomotives: Number in service	Locomotives: Average tractive effort [5]	Cars in service: Passenger cars	Cars in service: Freight-train cars	Cars in service: 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	35,099	----------	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	47,170	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	240,398	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	38,097	1,768,400	51.3
1947	502	225,806	397,355	44,344	54,506	39,057	1,759,758	51.5
1948	485	225,149	397,203	44,474	55,170	39,406	1,785,067	51.9

Year	Employment and wages: Number of employees	Employment and wages: Compensation of railroad employees	Capital and property investment (includes lessors): Road and equipment: Investment book value [6] [7]	Road and equipment: Depreciation reserve [8]	Railway capital outstanding [9]	Net capitalization	Stock paying dividends
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	3,939,502	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	5,540,720	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
1948	1,345	4,820,747	28,064,759	6,279,892	20,302	15,467	6,446,317

See footnotes at end of table.

No. 592.—Steam Railways—Summary Statistics: 1890 to 1948—Continued

Year or yearly average	Income and expenses: Operating revenue	Operating expenses	Railway operating income	Railway tax accruals	Net income (includes lessors)	Interest and dividends (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	339,085	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	4,053,705	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	449,017
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
1948	9,784,332	7,552,630	1,188,666	1,043,036	767,949	335,313	361,879

Year or yearly average	Passenger service: Passenger revenue (rail line)	Passenger miles	Revenue per passenger mile	Freight service: 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
					Million tons	*Million tons*			
June 30:	*$1,000*	*1,000,000*	*Cents*	*$1,000*			*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	1,208,714	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	3,313,398	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	460.07
1944	1,793,322	95,663	1.88	7,087,033	1,565	740,586	3,084,105	.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
1948	965,630	41,224	2.34	8,090,194	1,580	641,104	2,695,708	1.262	405.64

[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. 593.—Steam Railways—Miles of Road Owned, by States: 1860 to 1948

[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	1948
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,052	233,670	225,149
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,596	6,677	6,397
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	938
Vermont	554	614	914	921	1,012	1,100	1,077	1,056	919	888
Massachusetts	1,204	1,480	1,915	2,094	2,119	2,115	2,106	2,022	1,793	1,728
Rhode Island	108	136	210	213	212	212	211	191	194	185
Connecticut	601	742	923	1,007	1,024	1,000	1,001	969	887	830
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	21,752	20,175	19,291
New York	2,682	3,028	5,057	7,661	8,121	8,430	8,390	8,312	7,739	7,533
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,299	2,108	2,011
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,141	10,328	9,747
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,644	29,475	28,205
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	1,318
Virginia	1,379	1,486	1,803	3,160	3,779	4,535	4,703	4,516	4,261	4,092
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,046	3,831	3,696
North Carolina	937	1,178	1,486	3,001	3,331	4,932	5,522	5,161	4,668	4,519
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,780	3,466	3,313
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,671	6,334	6,094
Florida	402	446	518	2,471	3,299	4,432	5,212	5,666	5,218	4,844
East North Central	9,553	14,701	25,109	36,924	41,007	44,928	44,904	43,770	41,281	39,946
Ohio	2,946	3,598	5,792	7,912	8,807	9,134	9,002	8,804	8,501	8,423
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	11,698
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,072	7,303	6,808
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	47,379
Minnesota	-------	1,092	3,151	5,466	6,943	8,669	9,114	8,779	8,421	8,340
Iowa	655	2,683	5,400	8,366	9,185	9,755	9,808	9,698	9,060	8,732
Missouri	817	2,900	3,965	6,004	6,875	8,083	8,117	7,897	7,042	6,833
North Dakota	-------	[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,275	5,266	5,256
South Dakota	-------	[6]	[6]	2,486	2,850	3,948	4,276	4,228	4,006	3,959
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	8,504	8,439
East South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,452	16,179	15,602
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,054	3,691	3,607
Tennessee	1,253	1,402	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	4,906	4,742
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,209	3,919	3,762
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	33,227	31,497	30,084
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,654	4,357	4,141
Texas	307	711	3,244	8,613	9,886	14,282	16,125	17,069	16,356	15,670
Oklahoma	-------	-------	289	1,214	2,151	5,980	6,572	6,678	6,302	5,985
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,826	4,482	4,288
Mountain	-------	1,466	5,082	12,676	15,808	22,956	25,170	24,973	23,518	22,286
Montana	-------	-------	106	2,181	3,010	4,207	5,072	5,228	5,149	5,059
Wyoming	-------	459	512	942	1,229	1,645	1,931	2,036	2,008	1,930
Colorado	-------	157	1,570	4,176	4,587	5,533	5,519	4,972	4,552	4,379
New Mexico	-------	-------	758	1,324	1,753	3,032	2,972	2,973	2,812	2,490
Arizona	-------	-------	349	1,097	1,512	2,097	2,478	2,494	2,228	2,205
Utah	-------	257	842	1,090	1,547	1,986	2,161	2,196	2,082	1,800
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	2,718
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,238	16,575	15,959
Washington	-------	-------	289	1,783	2,914	4,875	5,587	5,542	5,243	5,140
Oregon	-------	159	508	1,428	1,724	2,285	3,305	3,456	3,385	3,252
California	23	925	2,195	4,356	5,751	7,772	8,356	8,240	7,947	7,567
Alaska Territory	-------	-------	-------	-------	22	390	246	790	536	567
Hawaii Territory	-------	-------	-------	-------	-------	175	243	232	192	25

[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. 594.—Steam Railways (All Reporting Companies)—Equipment in Service: 1925 to 1948

["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					Diesel electric locomotive units			Freight-train cars [3]			
		Steam					Tractive effort [2]			Capacity [2]		
	Total number [1]	Number	Tractive effort [2] Aggregate (1,000 lb.)	Tractive effort [2] Average (lb.)	Electric locomotive units	Number	Aggregate (1,000 lb.)	Average (lb.)	Total number (1,000)	Aggregate (1,000 tons)	Average (tons)	Passenger-train cars
1925	68,092	67,713	2,586,868	40,666	379	1	(4)	(4)	2,414	105,570	44.8	56,814
1930	60,189	59,406	2,526,940	45,225	663	77	(4)	(4)	2,322	106,180	46.6	53,584
1935	49,541	48,477	2,206,201	48,367	884	130	(4)	(4)	1,867	88,677	48.3	42,426
1937	47,555	46,342	2,155,555	49,412	872	293	(4)	(4)	1,776	85,808	49.2	40,949
1938	46,544	45,210	2,123,464	49,803	882	403	(4)	(4)	1,731	84,092	49.4	39,931
1939	45,172	43,604	2,072,110	50,395	879	639	(4)	(4)	1,681	82,002	49.7	38,977
1940	44,333	42,410	2,038,284	50,905	900	967	43,939	55,130	1,684	82,722	50.0	38,308
1941	44,375	41,911	2,029,425	51,217	895	1,517	69,347	54,733	1,733	85,682	50.3	38,334
1942	44,671	41,755	2,046,064	51,811	892	1,978	91,589	54,942	1,774	88,187	50.5	38,446
1943	45,406	41,983	2,083,618	52,451	907	2,476	117,300	55,200	1,784	88,968	50.7	38,331
1944	46,305	41,921	2,096,046	52,822	902	3,432	171,957	56,398	1,797	89,960	50.8	38,217
1945	46,253	41,018	2,067,639	53,217	885	4,301	213,193	55,868	1,787	89,872	51.1	38,633
1946	45,511	39,592	2,017,807	53,735	867	5,008	248,129	55,872	1,768	89,391	51.3	38,697
1947	44,344	36,942	1,913,593	54,506	864	6,495	326,255	56,524	1,760	89,225	51.5	39,057
1948	44,474	34,581	1,815,860	55,170	867	8,981	455,287	56,235	1,785	91,294	51.9	39,406

[1] Includes locomotives other than classes shown. [2] Class I roads. [3] Excludes caboose cars.
[4] Not available.

No. 595.—Steam Railways—Cars in Service, by Class: 1935 to 1948

["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, 1948			
	1935	1940	1945	1947	1948	Total	Eastern district	Southern district	Western district
Freight-train cars [1]	1,867,381	1,684,171	1,787,073	1,759,758	1,785,067	1,759,561	740,096	420,323	599,142
Box	812,776	708,682	745,901	730,640	738,588	734,872	276,631	142,624	315,617
Flat	83,405	65,752	71,092	68,336	67,232	63,988	10,600	14,737	38,651
Stock	68,455	54,674	54,484	51,928	49,918	49,872	6,993	4,424	38,455
Gondola and hopper (open and closed tops)	793,776	809,538	874,553	868,293	889,908	873,738	443,563	253,015	177,160
Tank	9,266	8,836	9,030	8,914	8,806	8,089	3	29	8,057
Refrigerator	26,703	21,772	21,001	20,833	20,233	20,210	383	1,710	18,117
Other	73,000	14,917	11,012	10,814	10,382	8,792	1,923	3,784	3,085
Steel [2]	809,612	956,004	1,153,145	1,219,787	1,291,373	1,291,373	639,586	326,422	325,365
Steel underframe [2]	908,252	640,428	570,513	488,299	446,662	446,662	99,873	84,971	261,818
Caboose cars	24,994	22,216	25,198	24,758	24,660	23,802	9,275	5,086	9,441
Passenger-train cars	42,426	38,308	38,633	39,057	39,406	39,142	21,181	5,650	12,311
Coaches	(3)	17,470	17,668	17,542	17,150	17,071	10,297	2,225	4,549
Combination coach	(3)	3,207	2,748	2,635	2,592	2,458	1,332	396	730
Parlor and sleeping [4]	(3)	422	731	776	1,491	1,491	1,132	45	314
Dining	(3)	1,535	1,552	1,628	1,730	1,730	673	313	744
Club, lounge, and observation	(3)	370	278	354	386	385	66	62	257
Postal	(3)	1,829	1,701	1,693	1,724	1,724	868	273	583
Baggage, express, and other nonpassenger	(3)	13,087	13,671	14,160	14,063	14,028	6,759	2,307	4,962
Other passenger	(3)	105	26	17	17	15	6	7	2
Other passenger-train	(3)	283	258	252	253	240	48	22	170
Steel [2]	28,951	29,897	31,838	33,146	34,072	34,072	18,866	4,745	10,461
Steel underframe [2]	8,394	6,442	5,576	5,018	4,608	4,608	2,215	802	1,591
Company service equipment	79,584	77,811	90,056	95,202	95,899	93,967	28,910	19,211	45,846
Motor cars and trailers [2]	4,545	4,081	3,820	3,743	3,712	3,712	2,962	362	388

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

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

No. 596.—Steam Railways (Class I)—Equipment Installed and Permanently Withdrawn From Service: 1933 to 1948

[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]
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	60,118	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
1948	2,350	2,377	95,979	69,363	951	803

[1] Permanently withdrawn for sale or demolition.

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

No. 597.—Steam Railways (Class I)—Fuel Consumption and Rail and Tie Replacements: 1925 to 1948

[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	1947	1948
Consumption of fuel by steam locomotives:							
Anthracite, 1,000 short tons	2,174	1,140	508	286	139	42	99
Bituminous coal, do	117,714	98,400	71,335	79,628	115,154	100,437	88,001
Fuel oil [1], 1,000 gallons	2,457,827	2,366,569	1,998,176	2,502,868	4,413,072	3,788,666	3,358,831
Other fuel equivalent, 1,000 short tons				34	32	34	78
Total, coal equivalent, [2] 1,000 short tons	135,420	114,458	84,783	96,067	143,806	124,942	(3)
Rails laid in replacement and betterment:							
Total tonnage, 1,000 long tons	3,485	2,674	1,159	1,912	2,956	2,532	2,454
Total charges [4], 1,000 dollars	126,487	98,521	36,218	64,516	106,010	114,891	123,863
Ties laid in previously constructed tracks:							
Cross ties, thousands	82,717	63,354	44,326	43,621	43,012	37,289	36,842
Switch and bridge ties, 1,000 board feet	[5] 282,630	235,315	156,536	145,553	130,520	108,159	119,932
Total charges [4], 1,000 dollars	[5] 120,644	94,207	52,370	59,047	97,908	98,319	105,660

Class	1947			1948		
	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Consumption of fuel by steam locomotives:						
Anthracite, 1,000 short tons	42			99		
Bituminous, do	49,872	24,610	25,955	42,893	22,977	22,131
Fuel oil [1], 1,000 gallons	17,768	42,218	3,728,680	16,780	43,354	3,298,697
Other fuel equivalent, 1,000 short tons	5	1	28	3		75
Total, coal equivalent [2], 1,000 short tons	50,032	24,862	50,048	(3)	(3)	(3)
Rails laid in replacement and betterment:						
Total tonnage, 1,000 long tons	803	594	1,135	757	605	1,092
Total charges [4], 1,000 dollars	34,976	27,300	52,615	37,810	29,679	56,374
Ties laid in previously constructed tracks:						
Cross ties, thousands	8,738	10,424	18,127	9,642	10,088	17,112
Switch and bridge ties, 1,000 board feet	27,668	34,865	46,126	34,437	35,650	49,845
Total charges [4], 1,000 dollars	26,609	28,616	43,094	31,802	29,501	44,357

[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] Not available.

[4] Excludes labor cost of applying rails or ties.

[5] Excludes 1,435 linear feet of steel ties.

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

No. 598.—Steam Railways—Stock Outstanding, Dividends, and Interest: 1891 to 1948

[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	9,131,520	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
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
1948	9,241,600	6,446,317	69.75	335,313	5.20	3.63	361,879

No. 599.—Steam Railways—Securities Actually Outstanding: 1930 to 1948

[**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
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	15,583,040	196,580	23,338	2,246,564
1948	18,249,091	7,859,760	3,108,486	7,280,845	15,820,784	190,373	23,029	2,214,905
Stock:								
1930	10,011,588	4,290,108	1,461,628	4,259,802	8,267,129	207,556	45,068	1,491,785
1935	9,925,202	4,326,471	1,431,397	4,168,334	8,218,994	194,922	38,217	1,473,069
1940	9,769,974	4,364,337	1,441,999	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
1947	9,225,219	3,844,210	1,430,857	3,950,152	7,891,676	146,588	18,904	1,168,051
1948	9,241,600	3,767,997	1,463,317	4,010,286	7,923,463	143,179	19,331	1,155,637
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
1947	8,824,903	4,011,160	1,522,895	3,290,848	7,691,964	49,992	4,434	1,078,513
1948	9,007,491	4,091,763	1,645,169	3,270,559	7,897,331	47,194	3,698	1,059,268
1948								
Common stock	7,249,775	3,235,190	1,225,320	2,789,265	6,050,017	132,645	19,023	1,048,090
Preferred stock	1,991,825	532,807	237,997	1,221,021	1,873,436	10,534	308	107,547
Mortgage bonds	7,269,604	3,242,995	1,321,097	2,705,512	6,196,249	39,370	3,485	1,030,500
Collateral trust bonds	268,767	178,539	21,062	69,166	260,406	1,636	----------	6,725
Unsecured bonds (debentures)	393,166	145,565	43,198	204,403	374,211	1,330	----------	17,625
Miscellaneous obligations	28,413	18,073	9,159	1,181	21,477	2,305	213	4,418
Equipment obligations	1,047,541	506,591	250,653	290,297	1,044,988	2,553	----------	----------

Source of tables 598 and 599: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 600.—Steam Railways (All Reporting Companies)—Capitalization and Capital Expenditures: 1890 to 1948

[**In millions of dollars, except as indicated.** Excludes switching and terminal companies beginning with 1910; their total capitalization in 1948 was $751,919,000. 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 [1]	
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road	Equipment	Roadway and structures
June 30:								*Dollars*	*$1,000*	*$1,000*
1890	8,084	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	7,802	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
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	298,788
1948	20,302	7,543	2,016	10,743	2,644	2,191	15,467	68,930	917,449	356,035

[1] Class I railways.

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. 601.—Steam Railways—Investment, Income, and Dividends: 1910 to 1948

[**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	1,130,728	4.89	272,102	706,272	349,089
1930	26,051,000	105,661	2,360,767	874,154	3.36	361,196	715,730	511,259
1935	25,500,465	106,339	2,771,404	505,415	1.98	186,228	686,688	131,448
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	25,838,351	113,364	3,561,570	1,499,364	5.80	184,245	737,185	206,118
1943	26,145,468	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	580,073	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
1948	28,664,759	127,625	6,279,892	1,014,815	3.54	237,410	544,784	295,191

[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. 602.—Steam Railways—Revenues, Expenses, and Income: 1926 to 1948

[Method of calculating net revenue and net operating income is more fully shown in table 604. *Excludes switching and terminal companies*; operating revenues of switching and terminal companies: 1946, $143,039,000; 1947, $188,560,000; 1948, $217,306,000; operating expenses: 1946, $120,500,000; 1947, $138,057,000; 1948, $154,442,000. See also *Historical Statistics*, series K 71–79]

ITEM	ALL ROADS						
	1926–30, average	1931–35, average	1936–40, average	1941–45, average	1946	1947	1948
Average miles of line (first track) operated	259,646	257,098	249,100	241,723	239,077	238,975	237,824
Income account items ($1,000):							
Operating revenues	6,139,269	3,473,819	4,071,163	8,122,360	7,709,171	8,784,214	9,784,332
Per mile of line (dollars)	23,645	13,512	16,343	33,602	32,246	36,758	41,141
Operating expenses	4,502,029	2,622,222	2,998,447	5,507,771	6,422,494	6,869,806	7,552,630
Percent of revenue	73.33	75.49	73.65	67.81	83.31	78.21	77.19
Net revenue from operations	1,637,240	851,597	1,072,716	2,614,589	1,286,677	1,914,408	2,231,702
Per mile of line (dollars)	6,306	3,312	4,306	10,816	5,382	8,011	9,384
Tax accruals	386,732	265,137	353,335	1,265,554	506,480	940,273	1,043,036
Net railway operating income	1,125,224	460,435	587,364	1,170,308	624,868	790,534	1,014,815

ITEM	CLASS I.							
	Total		Eastern district		Southern district		Western district	
	1947	1948	1947	1948	1947	1948	1947	1948
Average miles of line (first track) operated	227,927	226,903	54,570	53,589	45,755	46,123	127,602	127,191
Income account items ($1,000):								
Operating revenues	8,684,918	9,671,722	3,442,436	3,823,663	1,695,494	1,902,010	3,546,988	3,946,049
Per mile of line (dollars)	38,104	42,626	63,083	71,352	37,056	41,238	27,797	31,025
Operating expenses	6,797,265	7,472,035	2,839,429	3,063,407	1,300,484	1,447,817	2,657,352	2,960,811
Percent of revenue	78.27	77.26	82.48	80.12	76.70	76.12	74.92	75.03
Net revenue from operations	1,887,653	2,199,687	603,007	760,256	395,010	454,193	889,636	985,238
Per mile of line (dollars)	8,282	9,694	11,050	14,187	8,633	9,847	6,972	7,746
Tax accruals	936,395	1,028,527	304,980	348,511	210,489	231,351	420,926	448,665
Net railway operating income	780,694	1,002,011	217,543	334,480	189,581	234,052	373,570	433,479

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

No. 603.—Steam Railways—Receiverships and Trusteeships: 1884 to 1948

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	1937 [3]	109	70,884	26	1,963	207,975
1885	------	------	44	8,836	385,460	1938 [3]	109	76,938	9	6,997	730,287
1890	------	------	26	2,963	105,007	1939 [3]	108	77,013	3	734	78,869
1895	169	37,856	31	4,089	369,075	1940 [3]	103	75,270	1	24	33
1900	52	4,178	16	1,165	78,234	1941 [3]	91	69,859	1	[4] 25	250
1905	26	706	10	3,593	176,321	1942 [3]	87	66,904	4	[4] 974	83,329
1910	39	5,257	7	735	51,428	1943 [3]	82	64,758	2	[4] 14	5,522
1915	85	30,223	12	20,143	1,070,809	1944 [3]	76	50,497	3	[4] 22	3,854
1920	61	16,200	10	541	21,620	1945 [3]	72	30,714	1	[4] 96	7,012
1925	53	18,687	6	11,368	680,422	1946 [3]	65	34,389	------	------	------
1930	30	9,486	4	4,752	277,324	1947 [3]	52	22,750	2	[4] 31	425
1935 [3]	87	68,345	13	27,124	2,168,871	1948 [3]	46	13,283	4	[4] 29	7,078

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter.
[2] Beginning 1937, 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; 1948, 163.

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

No. 604.—Steam Railways (Class I)—Income Account of Operating Roads: 1926 to 1948

[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	1946	1947	1948
Revenues	6,038,339	3,426,801	4,015,180	8,041,257	7,627,651	8,684,918	9,671,722
Freight	4,600,341	2,719,977	3,266,554	6,141,351	5,786,556	7,041,185	7,976,285
Passenger	903,748	391,826	419,049	1,340,485	1,259,169	963,322	964,303
Mail	111,887	95,530	97,924	120,887	129,001	170,182	199,939
Express	139,570	57,948	55,433	113,958	92,763	115,836	117,031
All other transportation	136,665	81,230	83,902	118,078	122,833	135,815	154,035
All other	146,128	80,291	92,318	206,498	237,329	258,578	259,529
Expenses	4,421,699	2,582,163	2,956,063	5,451,293	6,357,415	6,797,264	7,472,035
Maintenance, way, etc	826,826	392,669	466,882	1,036,465	1,150,241	1,212,096	1,348,000
Maintenance, equipment	1,178,252	670,879	774,225	1,475,776	1,468,758	1,558,010	1,702,944
Traffic	123,608	96,544	104,492	127,962	164,749	176,311	193,821
Transportation	2,054,865	1,235,538	1,439,204	2,538,462	3,212,292	3,476,434	3,821,198
All other	238,148	186,533	171,260	272,628	361,375	374,413	406,072
Net revenue from railway operations	1,616,640	844,638	1,059,117	2,589,964	1,270,236	1,887,654	2,199,687
Deduct—							
Tax accruals	379,941	260,971	347,055	1,252,963	498,144	936,395	1,028,527
Uncollectible revenues	1,427	1,099	[1]	[1]	[1]	[1]	[1]
Equipment rents	91,786	88,963	95,338	134,979	113,333	128,664	131,264
Joint facility rents	28,583	35,866	35,847	41,819	38,639	41,901	37,885
Net railway operating income	1,114,903	457,739	580,277	1,160,203	620,120	780,694	1,002,011
Net income or deficit after charges	737,898	[2] *3,931*	84,250	678,516	287,139	478,875	698,057

ITEM	EASTERN DISTRICT			SOUTHERN DISTRICT			WESTERN DISTRICT		
	1946	1947	1948	1946	1947	1948	1946	1947	1948
Revenues	3,029,150	3,442,436	3,823,663	1,435,553	1,695,494	1,902,010	3,162,948	3,546,988	3,946,049
Freight	2,228,798	2,684,992	3,035,317	1,147,734	1,429,810	1,627,800	2,410,024	2,926,383	3,313,168
Passenger	578,938	487,814	494,884	203,990	150,314	150,107	476,241	325,194	319,312
Mail	45,655	61,504	71,103	22,262	30,390	36,211	61,084	78,288	92,625
Express	9,382	33,772	38,277	14,784	20,212	20,027	68,597	61,852	59,327
All other transportation	55,675	58,980	67,829	14,909	18,054	20,140	52,249	58,781	66,066
All other	110,702	115,374	116,253	31,874	46,714	47,725	94,753	96,490	95,551
Expenses	2,658,284	2,839,429	3,063,407	1,149,020	1,300,484	1,447,817	2,550,111	2,657,351	2,960,811
Maintenance, way, etc	426,541	447,361	500,246	231,297	257,586	278,749	492,403	507,149	569,005
Maintenance, equipment	620,054	671,231	722,624	269,436	306,985	342,834	570,268	579,814	637,486
Traffic	60,074	61,645	66,928	30,962	36,894	42,000	73,713	77,772	84,893
Transportation	1,401,384	1,515,211	1,617,977	554,426	628,440	704,941	1,256,482	1,332,783	1,498,250
All other	141,231	143,981	155,632	62,899	70,599	79,293	157,245	159,833	171,147
Net revenue from railway operations	370,866	603,007	760,256	286,533	395,010	454,193	612,837	889,637	985,238
Deduct—									
Tax accruals	151,704	304,980	348,511	133,936	210,489	231,351	212,504	420,926	448,665
Equipment rents	52,371	60,057	59,228	[2] *7,148*	[2] *11,060*	[2] *16,711*	68,110	79,667	88,747
Joint facility rents	19,781	20,427	18,037	4,695	6,000	5,501	14,163	15,474	14,347
Net railway operating income	147,010	217,543	334,480	155,050	189,581	234,052	318,060	373,570	433,479
Net income or deficit after charges	[2] *477*	81,805	181,054	93,814	134,565	172,694	193,801	262,505	344,309

[1] Account eliminated. [2] Deficit.

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

No. 605.—Steam Railways (Class I)—Railway Tax Accruals, by States: 1930 to 1948

[Excludes switching and terminal companies and includes nonoperating subsidiaries. Total railroad taxes, Federal and State in 1948, by classes; were as follows: Class I and subsidiaries, $1,030,790,613 (including $2,267,154 Canadian, $567,537 Mexican, $25 Cuban, and $8 Great Britain taxes); class II and subsidiaries, $12,803,893; class III and subsidiaries, $1,728,490; switching and terminal companies, $40,014,136; grand total, $1,085,337,137]

STATE	AMOUNT (THOUSANDS OF DOLLARS)						PER MILE OF LINE (DOLLARS)			
	1930	1935	1940	1945	1947	1948	1940	1945	1947	1948
Total	349,207	238,372	397,391	822,868	935,815	1,027,952	1,809	3,834	4,367	4,796
U. S. Government taxes	40,986	26,796	183,546	551,004	655,849	723,325	836	2,568		
New England:										
Maine	1,908	1,232	1,161	1,795	1,694	1,963	636	1,001	943	1,094
New Hampshire	1,125	718	538	523	560	602	550	565	605	656
Vermont	407	413	288	286	286	286	361	402	403	410
Massachusetts	4,709	3,964	3,832	4,414	4,657	5,043	2,147	2,574	2,725	2,975
Rhode Island	687	664	635	798	775	784	3,567	4,585	4,451	4,480
Connecticut	1,672	711	946	1,416	1,298	1,434	1,071	1,626	1,490	1,737
Middle Atlantic:										
New York	27,378	23,685	24,156	29,878	31,277	31,727	3,276	4,070	4,316	4,380
New Jersey	20,442	17,520	19,793	30,901	14,724	16,949	10,395	16,767	8,006	9,267
Pennsylvania	12,440	9,342	10,754	9,378	11,222	13,541	1,098	986	1,196	1,452
South Atlantic:										
Delaware	166	151	150	154	168	181	509	522	569	613
Dist. of Columbia	144	138	224	253	289	333	6,410	7,429	8,490	9,798
Maryland	2,076	1,748	2,110	3,523	3,765	3,688	1,879	3,179	3,401	3,338
Virginia	7,318	5,192	5,500	7,811	7,380	8,077	1,358	1,999	1,897	2,085
West Virginia	8,109	8,229	8,096	7,870	8,145	8,669	2,288	2,273	2,349	2,498
North Carolina	5,392	3,696	4,110	4,907	3,854	4,589	1,131	1,362	1,069	1,279
South Carolina	3,489	2,396	1,937	2,548	1,776	2,073	629	845	589	687
Georgia	3,966	2,434	2,519	3,146	4,397	4,192	472	593	846	794
Florida	4,964	3,039	2,132	3,046	3,907	4,209	445	731	860	921
East North Central:										
Ohio	19,928	10,452	11,063	12,722	13,898	15,486	1,320	1,534	1,676	1,868
Indiana	13,852	6,520	6,278	7,488	9,862	10,746	946	1,141	1,504	1,638
Illinois	22,084	13,610	12,900	19,040	18,965	21,250	1,103	1,040	1,639	1,836
Michigan	10,816	5,346	5,035	5,538	5,649	5,762	742	853	877	895
Wisconsin	7,201	4,921	4,455	4,581	5,206	5,890	683	728	830	939
West North Central:										
Minnesota	6,778	4,291	6,529	9,871	11,037	12,472	815	1,210	1,349	1,529
Iowa	8,026	3,804	2,986	3,388	4,485	5,120	334	386	511	587
Missouri	4,284	3,336	2,757	2,900	3,918	4,429	399	424	576	651
North Dakota	4,110	2,114	2,559	2,954	3,427	4,179	499	568	660	806
South Dakota	2,696	2,191	1,063	1,115	1,456	1,596	267	282	369	403
Nebraska	4,622	3,060	2,978	3,689	4,846	4,981	493	634	833	856
Kansas	8,871	6,232	5,327	6,322	8,494	8,698	623	750	1,008	1,032
East South Central:										
Kentucky	5,373	3,552	5,048	5,380	6,353	6,974	1,411	1,553	1,833	1,997
Tennessee	3,629	2,588	2,841	5,784	6,666	6,847	844	1,767	2,039	2,094
Alabama	3,681	2,378	2,736	3,592	3,590	4,131	611	819	816	947
Mississippi	5,047	2,937	3,079	3,962	3,698	4,554	840	1,110	1,039	1,291
West South Central:										
Louisiana	5,098	4,087	3,854	4,318	4,384	4,588	1,001	1,169	1,196	1,252
Texas	7,614	5,487	5,250	5,552	6,338	6,269	359	388	443	438
Oklahoma	6,468	3,667	3,723	4,277	4,771	5,319	603	726	810	904
Arkansas	3,025	2,290	2,038	2,880	2,522	2,892	497	722	638	733
Mountain:										
Montana	5,178	4,460	4,068	4,058	5,746	5,999	809	815	1,154	1,204
Wyoming	1,970	1,671	1,715	1,970	2,337	2,573	925	1,110	1,316	1,445
Colorado	4,271	3,363	3,021	4,026	4,807	5,482	748	1,009	1,227	1,382
New Mexico	2,785	1,883	1,758	2,019	2,215	2,166	651	824	915	894
Arizona	3,100	3,055	2,597	3,154	4,199	3,357	1,276	1,554	2,072	1,658
Utah	2,404	2,243	2,309	2,956	3,381	3,315	1,135	1,605	1,862	1,851
Nevada	1,970	1,756	1,813	1,819	2,070	2,225	1,073	1,229	1,397	1,501
Idaho	3,244	2,516	2,524	2,949	3,610	3,761	942	1,111	1,363	1,420
Pacific:										
Washington	7,430	3,882	3,846	4,734	5,631	6,420	684	952	1,133	1,292
Oregon	3,064	2,413	2,297	2,673	3,604	4,142	767	901	1,215	1,397
California	13,210	6,229	7,047	13,496	12,567	14,664	1,018	2,023	1,889	2,128

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

No. 606.—Steam-Railway Freight Service—Summary Statistics: 1926 to 1948

[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	1946	1947	1948
Freight revenue, rail line ($1,000)	4,690,122	2,763,961	3,313,398	6,221,235	5,866,351	7,140,881	8,090,194
Per train-mile [1 2]	$7.67	$6.46	$6.95	$9.29	$9.80	$11.43	$13.63
Per loaded car-mile (cents) [1 2]	26.4	23.5	23.6	27.9	28.6	32.9	38.6
Revenue tons originated (1,000)	1,364,607	798,205	986,094	1,481,798	1,431,936	1,613,148	1,580,480
Total revenue tons carried (1,000)	2,481,018	1,437,728	1,778,746	2,925,421	2,734,818	3,039,365	2,907,076
Tons carried 1 mile:							
Revenue freight (millions)	430,310	270,192	341,322	654,687	594,943	657,878	641,104
Revenue ton-miles per mile of road	1,657,434	1,051,083	1,370,519	2,711,448	2,488,499	2,752,915	2,695,708
Revenue per ton-mile (cents) [3]	1.090	1.023	.971	.950	.986	1.085	1.262
Freight-train miles (1,000) [1]	586,389	396,917	478,402	666,694	599,165	625,104	593,448
Freight-train car-miles: [1]							
Loaded (revenue and nonrevenue) (1,000)	17,357,165	11,419,604	13,882,934	21,969,322	20,340,175	21,490,484	20,745,520
Empty (1,000)	10,330,175	7,283,037	8,371,016	11,938,016	10,016,300	10,860,301	10,858,378
Average miles per car per day [4]				46.2	42.4	45.7	44.1
Revenue ton-miles per train-mile	700	625	713	977	993	1,052	1,080
Ton miles per loaded car-mile [5]	24.5	23.2	24.6	29.7	29.2	30.6	30.9
Haul per ton:							
U. S. as a system (miles)	315.34	339.12	346.13	439.36	415.48	407.82	405.64
Individual railway (miles)	173.44	187.93	191.89	222.44	217.54	216.45	213.85
Revenue per ton:							
U. S. as a system	$3.44	$3.46	$3.36	$4.20	$4.10	$4.43	$5.12
Individual railway	$1.89	$1.92	$1.86	$2.13	$2.15	$2.35	$2.70

ITEM	CLASS I							
	Total		Eastern district		Southern district		Western district	
	1947	1948	1947	1948	1947	1948	1947	1948
Freight revenue, rail line ($1,000)	7,041,185	7,976,285	2,684,992	3,035,317	1,429,810	1,627,800	2,926,383	3,313,168
Per train-mile [1 2]	$11.43	$13.64	$13.61	$16.51	$10.51	$12.28	$10.35	$12.35
Per loaded car-mile (cents) [1 2]	32.9	38.6	37.0	44.6	32.6	37.8	30.0	34.7
Revenue tons originated (1,000)	1,537,546	1,506,878	606,026	584,289	399,472	398,548	532,048	524,041
Total revenue tons carried (1,000)	2,888,589	2,847,897	1,359,533	1,329,872	653,868	647,828	875,188	870,197
Tons carried 1 mile:								
Revenue freight (millions)	654,728	637,917	231,361	221,164	151,849	149,527	271,518	267,226
Revenue and nonrevenue (millions)	696,643	678,137	243,328	232,655	160,942	158,950	292,373	286,532
Revenue ton-miles per mile of road	2,869,909	2,808,728	4,232,039	4,121,253	3,315,735	3,236,401	2,127,520	2,100,640
Revenue per ton mile (cents) [3]	1.076	1.251	1.162	1.374	.942	1.089	1.078	1.240
Freight-train miles (1,000) [1]	616,071	584,671	197,261	183,795	136,002	132,583	282,808	268,293
Freight-train car miles: [1]								
Loaded (revenue and nonrevenue) (1,000)	21,395,870	20,651,602	7,256,897	6,806,504	4,392,181	4,310,155	9,746,792	9,534,943
Empty (1,000)	10,805,463	10,803,360	3,622,211	3,520,413	2,390,267	2,409,174	4,792,985	4,873,773
Average miles per car per day [4]	45.7	44.1	34.9	33.2	51.3	48.6	55.6	54.5
Revenue ton-miles per train-mile	1,076	1,104	1,194	1,225	1,128	1,137	970	1,006
Ton miles per loaded car-mile [6]	32.6	32.9	33.5	34.1	36.6	37.0	30.0	30.1
Haul per ton:								
U. S. as a system (miles)	425.8	423.3	381.8	378.5	380.1	375.2	510.3	509.9
Individual railway (miles)	226.7	224.0	170.2	166.8	232.2	230.8	310.2	307.1
Revenue per ton:								
U. S. as a system	$4.58	$5.29	$4.43	$5.19	$3.58	$4.08	$5.50	$6.32
Individual railway	$2.44	$2.80	$1.97	$2.29	$2.19	$2.51	$3.34	$3.81

[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] Based on revenue ton miles; nonrevenue ton miles not available for all roads.
[6] Based on revenue and nonrevenue ton miles.

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

No. 607.—Steam Railways—Passengers Carried and Passenger Revenue: 1926 to 1948

[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	1946	1947	1948
Passengers carried (thousands)	801,503	488,006	471,362	772,393	794,824	706,551	645,535
Passengers carried 1 mile (millions)	31,846	18,375	23,068	71,713	64,754	45,972	41,224
Average journey per passenger (miles)	39.73	38.04	48.94	92.85	81.47	65.07	63.86
Passenger train-miles (thousands) [1]	569,310	410,509	403,715	453,217	451,135	417,500	409,371
Passenger train car-miles (thousands) [1]	3,818,089	2,745,969	2,992,350	4,167,194	4,324,969	3,818,297	3,790,476
Passenger revenue ($1,000)	908,341	392,869	419,760	1,342,958	1,261,416	965,005	965,630
Passenger service train revenue per train-mile [1 2]	2.15	1.38	1.49	3.58	3.39	3.09	3.23
Revenue per passenger per mile (cents)	2.85	2.14	1.82	1.87	1.95	2.10	2.34
Average passengers per train [1]	56	45	57	158	144	110	101

ITEM	CLASS I							
	Total		Eastern district		Southern district		Western district	
	1947	1948	1947	1948	1947	1948	1947	1948
Passengers carried (thousands)	703,280	642,781	513,292	469,078	86,326	77,115	103,662	96,588
Passengers carried 1 mile (millions)	45,021	41,179	22,888	20,537	7,086	6,433	15,047	14,209
Average journey per passenger (miles)	65.29	64.06	44.59	43.78	82.09	83.41	153.84	147.12
Passenger train-miles (thousands) [1]	414,909	407,133	170,679	165,866	73,021	72,080	171,209	169,187
Passenger train car-miles (thousands) [1]	2,811,674	3,784,452	1,525,876	1,513,304	685,796	688,438	1,600,002	1,582,710
Passenger revenue ($1,000)	963,322	964,089	487,814	494,669	150,314	150,107	325,194	319,313
Passenger service train revenue per train-mile [2]	3.09	3.23	3.51	3.76	2.79	2.90	2.78	2.86
Revenue per passenger per mile (cents)	2.10	2.34	2.13	2.41	2.12	2.33	2.04	2.25
Average passengers per train [1]	111	101	134	124	97	89	93	84

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

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

No. 608.—Steam Railways (Class I)—Operating Revenues, Freight and Passenger Revenue, and Freight Ton-Miles, by Months: 1925 to 1949

[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	549.0	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
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	838.2	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	764.9	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	637.7
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	804.3
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	806.6
1949	714.4	730.7	675.7	739.1	747.3	741.1	735.4	700.6	742.9	695.0	648.9	704.8	710.8
	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	290.7
1935	238.0	211.5	206.5	229.2	222.6	224.9	225.8	221.1	235.7	250.6	285.4	248.7	234.4
1940	294.8	283.1	257.7	266.7	265.3	284.7	289.7	300.7	310.7	316.1	348.2	315.2	308.4
1945	544.2	558.4	530.8	622.8	593.9	626.0	610.7	589.2	547.3	488.3	492.3	463.7	401.2
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
1949	586.8	594.7	559.2	616.1	620.3	615.9	599.5	562.8	606.2	569.5	534.9	587.1	575.7

No. 608.—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
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
1949	71.7	81.5	67.4	67.6	68.7	67.9	77.1	82.6	78.6	69.8	61.0	63.8	74.4
	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	25,038	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	53,200	53,453	49,844
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
1949	46,595	49,197	45,359	46,716	50,199	51,607	47,964	44,991	47,107	44,219	40,554	46,036	45,190

[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. 609.—Steam Railways (Class I)—Revenue Freight Originated, By Commodity Groups: 1925 to 1948

[**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	1925	1930	1935	1940	1945	1946	1947	1948
Total	1,247,242	1,153,197	789,627	1,009,421	1,424,913	1,366,617	1,537,546	1,506,878
Products of agriculture	109,313	110,728	76,338	88,821	159,571	149,941	158,168	145,176
Animals and their products	26,324	23,129	15,125	15,456	23,748	21,587	19,716	16,805
Products of mines:								
Coal and coke	424,403	407,037	320,628	372,063	485,109	467,645	543,012	527,162
Other	253,033	234,600	124,508	197,557	247,832	250,161	304,795	318,478
Products of forests	107,391	69,371	42,483	58,221	75,604	84,817	87,027	86,104
Manufactures and misc	285,291	277,765	196,506	262,010	412,216	368,079	402,267	394,827
All less than carload	40,587	29,667	14,039	14,693	20,833	24,387	22,561	18,266

Item	Eastern District		Southern District		Western District	
	1947	1948	1947	1948	1947	1948
Total	606,026	584,289	399,472	398,548	532,048	524,041
Products of agriculture	26,482	26,065	18,526	17,941	113,160	100,570
Animals and their products	4,446	3,893	2,270	1,952	13,000	11,020
Products of mines:						
Coal and coke	276,074	264,512	213,835	211,564	53,103	51,086
Other	67,468	67,831	61,044	63,928	175,683	186,719
Products of forests	6,096	5,126	32,132	33,771	48,799	47,207
Manufactures and miscellaneous	214,015	207,197	66,391	65,386	121,861	122,244
All less than carload	11,445	9,065	4,674	4,006	6,442	5,195

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

No. 610.—Steam Railways (Class I)—Number of Cars of Revenue Freight Loaded, by Principal Commodities: 1925 to 1949

[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	208	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	5,641	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	670	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	41,018	2,734	894	8,296	695	2,030	2,474	19,268	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	42,719	2,468	630	8,660	739	2,348	2,701	19,686	5,457
1949	35,910	2,584	551	6,218	588	1,952	2,210	17,218	4,589

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

No. 611.—Steam Railways—Number and Compensation of Employees: 1920 to 1948

[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	1,785,411	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	2,675,845	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	2,488,636	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
1948	1,345,076	4,820,747	1,326,597	3,545,081	4,768,828	2,672.3	1.345	3,595

[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. 612.—Steam Railways (Class I)—Number and Compensation of Employees, by Districts and by Class: 1947 and 1948

[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	
	1947	1948	1947	1948	1947	1948	1947	1948
DISTRICT								
All employees, all districts	1,397,407	1,373,031	4,502,182	4,942,114				
Daily basis	98,668	98,734	431,036	471,282	$13.37	$14.56	$364	$398
Hourly basis	1,298,739	1,274,297	4,071,146	4,470,832	1.127	1.263	261	292
Eastern district	583,093	569,370	1,901,825	2,083,709				
Daily basis	42,439	42,368	181,266	198,004	13.17	14.36	356	389
Hourly basis	540,654	527,002	1,720,559	1,885,705	1.159	1.294	265	298
Southern district	274,236	268,799	853,566	932,226				
Daily basis	18,658	18,774	85,264	93,736	13.86	15.11	381	416
Hourly basis	255,578	250,025	768,302	838,490	1.088	1.226	251	279
Western district	540,078	534,862	1,746,791	1,926,179				
Daily basis	37,571	37,592	164,506	179,542	13.35	14.51	365	398
Hourly basis	502,507	497,270	1,582,285	1,746,637	1.114	1.248	262	293
CLASS								
Executives, officials, and staff assistants	15,745	16,077	113,519	123,605				
Daily basis	15,745	16,077	113,519	123,605	22.51	23.89	601	641
Professional, clerical, and general	231,452	227,511	719,018	781,225				
Daily basis	42,465	42,694	161,977	178,029	12.10	13.19	318	347
Hourly basis	188,987	184,817	557,041	603,196	1.133	1.265	246	272
Maintenance of way and structures	269,872	272,335	662,479	754,432				
Daily basis	4,595	4,674	19,064	22,031	13.44	14.49	362	393
Hourly basis	265,277	267,661	642,515	732,401	.956	1.078	202	228
Maintenance of equipment and stores	381,524	376,431	1,198,361	1,306,924				
Daily basis	11,950	11,874	54,449	58,491	13.30	14.39	380	410
Hourly basis	369,574	364,557	1,143,912	1,248,433	1.143	1.268	258	285
Transportation (other than train service, engine, and yard)	178,809	168,704	518,079	548,058				
Daily basis	17,247	16,709	48,523	53,281	7.99	9.00	234	266
Hourly basis	161,562	151,995	469,556	494,777	1.053	1.184	242	271
Transportation (yardmasters, switch tenders, and hostlers)	18,394	18,153	74,435	82,959				
Daily basis	6,666	6,706	32,604	35,845	13.55	14.80	408	445
Hourly basis	11,728	11,447	41,831	47,114	1.140	1.321	297	343
Transportation (train and engine service)	301,611	293,820	1,216,291	1,344,911				
Hourly basis	301,611	293,820	1,216,291	1,344,911	1.307	1.486	336	381

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

No. 613.—Steam-Railway Accidents—Number of Persons Killed and Injured, by Status: 1891 to 1948

[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	7,804	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	7,088	1,838	1,278
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
1948	3,883	43,107	59	3,607	622	31,961	1,726	6,409	1,476	1,130

[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. 614.—Accidents at Highway Grade Crossings (All Steam Railways)—Automobile and Total Casualties: 1934 to 1948

[Excludes casualties due to suicide, mental derangement, and attempting to escape custody. See also headnote table 613]

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
1948	3,964	1,612	4,255	1,355	4,054	1.33

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

No. 615.—The Alaska Railroad—Summary of Passenger and Freight Services: Years Ending June 30, 1948 and 1949

ITEM	1948	1949	ITEM	1948	1949
Road mileage operated—monthly average	513	536	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight-train miles	677,207	474,619
Passenger-train miles [1]	253,749	263,724	Loaded cars, 1 mile, freight and mixed trains	8,383,000	6,143,000
Passenger-car miles, passenger trains [1]	627,187	654,321	Empty cars, 1 mile, freight and mixed trains	6,597,000	4,378,000
Total revenue passengers carried	79,015	95,772	All cars, 1 mile	14,980,000	10,521,000
Revenue passengers carried 1 mile	9,523,925	10,645,247	Tons of revenue freight carried:		
Total passenger revenue	$505,878	$502,818	Coal	299,935	322,713
Average revenue per passenger per mile	$0.05311	$0.04720	Miscellaneous	600,420	440,554
			Tons of revenue freight carried 1 mile	190,090,000	132,003,000
			Total freight revenue	$13,741,080	$8,642,066
			Average revenue per ton per mile	$0.07229	$0.06547

[1] Including motor miles.

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

No. 616.—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] 700	[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	4,390,768
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	50,602	44,864
Revenue passengers, including paytransfer (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	566,200	513,129
Operating expenses (thousand dollars) [8]	62,011	142,313	332,896	727,795	694,460	442,607	400,110
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. 617.—Express Companies—Income Account: 1921 to 1948

[In thousands of dollars. Mileage operated by Railway Express Agency, Inc., 1948: Total, 318,711; steam road, 194,536; electric line, 1,708; steamboat line, 15,828; motor carrier, 16,335; airplane, 90,304]

CALENDAR YEAR	Receipts for transportation	Paid for express privileges	Total operating revenues [1]	Operating expenses	Net operating revenues	Express taxes	Operating income [2]	Other income	Net income [3]
American Railway Express Co.:									
1921	294,664	113,491	184,897	182,265	2,631	2,095	508	2,074	2,309
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
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
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	59,063	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	427,341	106,814	326,230	305,483	20,747	19,841	876	411	[6] *57*
1947	436,683	129,315	312,981	288,136	24,845	24,187	623	451	[6] *329*
1948	419,973	130,254	294,833	276,557	18,276	17,858	379	1,178	55
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	

[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. 618.—Pullman Company—Summary of Operations: 1910 to 1948

[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	4,037	20,360	9
1935	48,428	2,683	49,077	19,720	[3] *649*	[3] *1,647*	15,479	9
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	131,602	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
1948	110,272	5,364	99,438	51,669	10,834	3,734	18,650	12

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

Source of tables 617 and 618: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 619.—Transit Industry—Summary: 1930 to 1948

[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	1944	1945	1946	1947	1948
Miles of route operated (Dec. 31):								
Electric railway—miles of single track	35,400	26,700	19,600	18,112	17,732	16,742	15,002	12,993
Surface	34,320	25,470	18,360	16,860	16,480	15,490	13,750	11,742
Subway and elevated	1,080	1,230	1,240	1,252	1,252	1,252	1,252	1,251
Trolley coach—miles of negative overhead wire	146	548	1,925	2,302	2,370	2,411	2,809	3,017
Motorbus—miles of route round trip	60,900	58,100	78,000	87,700	90,400	91,150	95,350	96,473
Passenger vehicles owned (Dec. 31), total	86,263	74,844	75,464	89,360	90,283	90,525	92,600	91,615
Electric railway cars	64,790	50,466	37,662	37,399	36,807	34,150	30,977	27,367
Surface	55,150	40,050	26,630	27,180	26,680	24,730	21,607	17,911
Subway and elevated	9,640	10,416	11,032	10,219	10,217	9,429	9,370	9,450
Trolley coaches	173	578	2,802	3,561	3,716	3,916	4,706	5,708
Motorbusses	21,300	23,800	35,000	48,400	49,670	52,450	56,917	58,540
Investment (Dec. 31), total (millions)	(1)	(1)	$4,096	$4,271	$4,262	$4,187	$4,077	$3,900
Electric railway	(1)	(1)	3,588	3,646	3,620	3,508	3,330	3,111
Surface	(1)	(1)	1,574	1,596	1,570	1,457	1,279	1,060
Subway and elevated	(1)	(1)	2,014	2,050	2,050	2,051	2,051	2,051
Trolley coach	(1)	(1)	58	73	76	80	96	118
Motorbus	(1)	(1)	450	552	566	599	651	671
Operating revenues, total (millions)	$963	$681	$737	$1,362	$1,380	$1,397	$1,391	$1,489
Electric railway	803	520	456	709	709	701	667	666
Surface	649	388	327	562	558	540	508	472
Subway and elevated	154	132	129	147	151	161	159	194
Trolley coach	2	5	25	68	68	72	77	91
Motorbus	158	156	256	585	603	624	647	732
Vehicle miles operated, total (millions)	2,707	2,327	2,596	3,284	3,254	3,304	3,342	3,311
Electric railway	1,995	1,544	1,316	1,439	1,398	1,353	1,301	1,157
Surface	1,540	1,097	845	978	940	894	839	699
Subway and elevated	455	447	471	461	458	459	462	458
Trolley coach	6	19	86	132	133	144	155	178
Motorbus	706	764	1,194	1,713	1,723	1,807	1,886	1,976
Passengers carried, total (millions)	15,567	12,226	13,098	23,017	23,254	23,372	22,540	21,368
Electric railway	13,072	9,512	8,325	12,137	12,124	11,862	10,852	9,112
Surface	10,513	7,276	5,943	9,516	9,426	9,027	8,096	6,606
Subway and elevated	2,559	2,236	2,382	2,621	2,698	2,835	2,756	2,506
Trolley coach	16	96	534	1,234	1,244	1,311	1,356	1,528
Motorbus	2,479	2,618	4,239	9,646	9,886	10,199	10,332	10,728
Revenue passengers carried, total (millions)	12,528	9,782	10,504	18,735	18,982	19,119	18,287	17,312
Electric railway	10,346	7,408	6,465	9,652	9,636	9,454	8,589	7,213
Surface	7,782	5,156	4,183	7,169	7,081	6,769	5,980	4,740
Subway and elevated	2,564	2,252	2,282	2,483	2,555	2,685	2,609	2,473
Trolley coach	13	77	419	987	1,001	1,050	1,073	1,206
Motorbus	2,169	2,297	3,620	8,096	8,345	8,615	8,625	8,893
Number of employees (average), total	276,444	209,200	202,400	242,000	242,000	261,000	266,000	261,000
Electric railway	247,244	164,400	122,500	132,300	129,200	125,300	121,000	109,000
Trolley coach	400	1,300	6,400	8,100	8,500	9,800	11,000	14,000
Motorbus	28,800	43,500	73,500	101,600	104,300	125,900	134,000	138,000
Pay roll, total (millions)	$479	$321	$360	$599	$632	$713	$790	$829

[1] Not available.

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

No. 620.—Class I Intercity Motor Carriers of Property—Summary of Financial and Operating Statistics: 1943 to 1947

[**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	1943	1944	1945	1946	1947
Number of carriers reporting	1,165	1,337	1,445	1,516	1,603
Investment in carrier operating property	198,392	231,493	258,578	314,561	398,769
Less reserve for depreciation and amortization	110,098	126,071	134,905	143,703	168,639
Net investment in carrier operating property	88,294	105,422	123,673	170,858	230,130
Income statement:					
Operating revenue, total	645,673	710,910	746,394	883,806	1,232,546
Common carrier	587,487	643,144	675,678	805,457	1,123,814
Contract carrier	46,747	52,811	53,992	59,459	78,164
Other operating revenue	11,439	14,955	16,724	18,860	30,568
Expenses, total	625,796	695,820	745,002	852,292	1,174,211
Operation and maintenance expenses	493,894	552,315	588,140	666,741	1,032,719
Equipment maintenance and garage	99,173	120,102	130,557	132,337	148,638
Transportation	161,275	182,330	192,345	217,618	437,503
Terminal	118,461	124,932	133,801	168,851	255,095
Sales, tariff, and advertising	17,387	17,654	18,538	21,938	28,075
Insurance and safety	35,711	40,347	43,222	51,057	71,116
Administrative and general	61,887	66,941	69,677	74,940	92,292
Depreciation and amortization [1]	23,174	25,577	28,348	31,873	44,761
Operating taxes and licenses [2]	43,221	46,859	49,901	54,489	64,116
Operating rents, net	65,507	71,069	78,613	99,189	32,615
Operating ratio (percent expenses of operating revenue)	96.9	97.9	99.8	96.4	95.3
Net operating revenue	19,877	15,090	1,392	31,514	58,335
Other income, less income deductions	*1,027*	*80*	499	*1,184*	3,529
Net income before income taxes	18,729	14,895	1,656	30,048	54,429
Net income after income taxes	9,438	7,778	*2,227*	21,020	37,012
Dividend appropriations and withdrawals [3]	9,463	10,300	10,473	9,491	12,590
Number and compensation of employees:					
All employees:					
Number	130,099	130,495	132,904	145,942	157,590
Compensation	290,760	319,042	335,403	391,544	474,403
Equipment maintenance and garage:					
Number	10,612	11,545	11,873	12,423	13,626
Compensation	24,509	30,018	31,765	34,723	41,792
Transportation:					
Drivers and helpers: [4]					
Number	44,719	47,199	48,193	53,316	51,120
Compensation	105,672	119,707	125,525	146,104	161,305
Others:					
Number	3,665	2,968	3,069	3,063	3,406
Compensation	9,685	9,523	10,319	10,802	13,067
Terminal:					
Number	[5] 52,622	[5] 50,353	[5] 51,496	[5] 58,319	[5] 68,914
Compensation	[5] 100,550	[5] 106,484	[5] 112,923	[5]140,413	[5] 185,238
Sales, tariff, and advertising:					
Number	3,543	3,155	3,087	3,351	3,825
Compensation	9,987	9,628	9,808	11,693	14,537
Administrative and general:					
General officers:					
Number	2,323	2,562	2,723	2,799	3,063
Compensation	19,060	20,310	20,769	22,334	26,792
Others, including insurance and safety:					
Number	12,615	12,713	12,463	12,171	13,636
Compensation	21,207	23,372	24,294	25,475	31,672
Operating statistics and averages:					
Owned revenue vehicles, total	88,773	97,729	100,165	112,300	127,912
Trucks	19,278	19,930	19,610	20,727	22,233
Truck-tractors	29,542	33,124	33,534	36,308	41,582
Semitrailers	37,302	41,901	44,081	52,274	60,804
Full trailers	2,651	2,774	2,940	2,991	3,293
Intercity vehicle-miles (millions)	2,006	2,132	2,165	2,407	3,059
Tons of intercity revenue freight carried [6] (thousands)	95,918	105,134	108,017	112,268	135,426
Miles per owned vehicle	45,079	44,531	43,385	46,147	47,461
Revenue per vehicle-mile (intercity)	$0.316	$0.326	$0.337	$0.359	$0.393
Expense per vehicle-mile (intercity) [7]	$0.312	$0.326	$0.344	$0.354	$0.384

[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: 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, $63,353,000; 1947, 29,090, compensation, $83,370,000.
[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. 621.—Class I Intercity Motor Carriers of Property—Selected Operating Statistics, by Regions: 1943 to 1947

[See headnote, table 620. 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:					
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	36,368
1947	1,603	1,232,546	1,174,211	22,233	41,582
1. New England:					
1943	118	46,982	45,845	2,109	2,082
1944	132	50,765	49,841	2,127	2,489
1945	141	54,594	54,110	2,047	2,588
1946	150	65,270	62,057	2,139	2,921
1947	167	81,243	77,688	2,218	3,404
2. Middle Atlantic:					
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
1947	397	243,466	231,553	4,303	9,807
3. Central:					
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
1947	392	410,216	393,751	3,532	12,346
4. Southern:					
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
1947	173	116,698	110,723	2,203	4,629
5. Northwestern:					
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	42,611	41,934	1,080	2,073
1947	68	58,060	56,346	1,166	2,241
6. Midwestern:					
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
1947	95	70,058	66,977	1,248	2,565
7. Southwestern:					
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
1947	112	90,643	84,443	2,590	3,337
8. Rocky Mountain:					
1943	24	12,285	11,539	496	274
1944	29	14,870	14,655	534	336
1945	31	16,890	16,893	554	316
1946	36	22,200	21,609	667	438
1947	44	44,651	40,939	909	929
9. Pacific:					
1943	118	65,409	62,014	3,220	1,313
1944	131	72,983	70,964	3,469	1,660
1945	146	80,264	80,593	3,679	1,950
1946	146	88,330	86,745	3,722	1,942
1947	155	117,511	111,791	4,064	2,231

For footnotes, see p. 517.

No. 621.—Class I Intercity Motor Carriers of Property—Selected Operating Statistics, by Regions: 1943 to 1947—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:						
1943	37,302	2,651	2,006,439	$0.316	130,099	$200,760
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
1947	60,804	3,293	3,059,474	.393	157,590	474,403
1. New England:						
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
1947	5,064	33	151,220	.514	12,192	37,996
2. Middle Atlantic:						
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
1947	13,295	39	513,177	.461	32,740	99,457
3. Central:						
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
1947	20,288	760	1,142,951	.352	46,052	144,125
4. Southern:						
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	277,423	.298	15,810	33,588
1946	5,520	37	279,141	.324	15,903	37,048
1947	6,347	36	329,302	.349	16,145	41,304
5. Northwestern:						
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
1947	2,955	1	133,947	.426	8,917	26,204
6. Midwestern:						
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
1947	3,322	57	191,731	.359	9,450	26,808
7. Southwestern:						
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
1947	4,488	78	244,587	.355	13,705	36,079
8. Rocky Mountain:						
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
1947	1,377	221	112,635	.390	5,021	15,677
9. Pacific:						
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
1947	3,668	2,068	230,924	.476	13,368	46,753

[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. 622.—Class I Intercity Motor Carriers of Passengers—Summary of Financial and Operating Statistics: 1943 to 1947

[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	1943	1944	1945	1946	1947
Number of carriers reporting	157	194	231	254	253
Investment in carrier operating property	136,618	132,078	153,477	174,455	226,368
Less reserve for depreciation and amortization	79,185	70,918	81,103	91,209	99,643
Net investment in carrier operating property	57,433	61,160	72,374	83,246	126,725
Income statement:					
Operating revenue, total	344,007	374,667	377,933	380,627	367,424
Passenger revenue [1]	332,906	362,297	364,769	*365,103*	*348,707*
Special bus revenue	4,439	5,464	5,381	6,641	8,404
Other operating revenue	6,662	6,906	7,783	8,883	10,313
Expenses, total	213,779	245,403	264,934	299,217	312,517
Operation and maintenance expenses	167,677	196,610	214,224	246,992	257,756
Depreciation and amortization [2]	16,150	16,254	17,336	17,720	19,853
Operating taxes and licenses [3]	23,829	26,054	26,846	28,574	29,272
Operating rents, net	6,123	6,485	6,528	5,931	5,636
Operating ratio (percent expenses of operating revenue)	62.1	65.5	70.1	78.6	85.1
Net operating revenue	130,228	129,264	112,999	81,410	54,907
Other income, less income deductions	*1,029*	1,267	*2,076*	1,678	129,521
Net income before income taxes	127,951	129,966	110,364	82,604	54,765
Net income after income taxes	36,651	36,282	32,246	50,414	33,494
Dividend appropriations and withdrawals [4]	16,947	20,222	18,599	31,795	21,260
Number of employees and compensation:					
All employees:					
Number	37,225	40,092	42,394	46,587	45,820
Compensation	84,550	100,933	108,394	129,185	136,123
Equipment maintenance and garage:					
Number	8,851	9,770	10,467	12,028	11,630
Compensation	19,556	23,959	25,752	31,316	31,065
Transportation:					
Drivers of passenger revenue vehicles:					
Number	15,768	16,760	17,560	19,298	19,494
Compensation	39,200	46,811	49,065	59,333	65,065
Others:					
Number	1,360	1,621	1,698	1,829	1,816
Compensation	4,120	4,943	5,503	6,225	6,520
Station:					
Number	6,318	6,703	7,103	7,581	7,079
Compensation	9,799	11,714	12,560	15,005	15,243
Traffic, solicitation, and advertising:					
Number	588	605	642	761	777
Compensation	1,563	1,716	1,934	2,383	2,620
Administrative and general:					
General officers:					
Number	381	455	516	566	574
Compensation	3,797	4,302	*5,483*	*5,654*	*5,332*
Others, including insurance and safety:					
Number	3,959	4,178	4,348	4,524	4,441
Compensation	6,515	7,488	8,007	9,269	9,669
Operating statistics and averages:					
Passenger vehicles owned [5]	11,000	12,019	12,865	13,168	14,149
Vehicle-miles of owned and leased passenger vehicles: [6]					
Regular route intercity service (thousands)	771,729	833,851	860,485	904,227	978,364
Special, charter, and sightseeing service (thousands)	12,703	14,893	15,113	17,620	22,274
Local and suburban service [7] (thousands)	47,342	*56,170*	*54,963*	*60,798*	*55,732*
Number of revenue passengers carried:					
Regular route intercity service (thousands)	394,129	429,917	434,614	433,730	412,332
Special, charter, and sightseeing service (thousands)	4,370	7,086	7,036	7,216	8,667
Local service (thousands)	102,751	132,628	122,704	121,014	108,454
Miles per vehicle [8]	68,925	71,781	71,429	77,677	76,655
Average fare per passenger, per carrier, intercity service	$0.806	$0.798	$0.793	$0.798	$0.802
Passenger revenue per vehicle-mile:					
Regular route intercity	.412	.411	.401	.359	.338
Special, charter, and sightseeing services	.368	.367	.356	.377	.377
Local service	.317	.343	.366	.315	.323
Expense per vehicle-mile	.257	.271	.285	.287	.296

[1] Regular route intercity and local revenue.
[2] Amortization represents 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. 623.—Class I Intercity Motor Carriers of Passengers—Selected Operating Statistics, by Regions: 1943 to 1947

[See headnote, table 622; for description of regions, see headnote, table 621]

Region and year	Number of carriers reporting	Operating revenue (thousands)	Total expenses (thousands)	Passenger vehicles	
				Intercity [1]	Total [2]
Total:					
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
1947	253	367,424	312,517	12,915	14,040
1. New England:					
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
1947	19	10,542	10,282	512	558
2. Middle Atlantic:					
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
1947	41	44,596	40,374	1,767	1,904
3. Central:					
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
1947	47	64,044	55,879	2,122	2,422
4. Southern:					
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
1947	60	101,520	85,260	3,916	4,162
5. Northwestern:					
1943	2	10,510	6,332	300	300
1944	5	12,594	7,355	336	336
1945	6	13,355	8,299	367	367
1946	9	14,535	10,031	426	430
1947	10	14,802	11,729	476	481
6. Midwestern:					
1943	7	15,556	8,982	457	460
1944	8	16,928	9,788	469	469
1945	12	18,383	11,391	529	529
1946	14	18,910	13,097	548	548
1947	14	23,631	19,187	764	764
7. Southwestern:					
1943	24	60,602	32,089	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
1947	34	49,754	41,155	1,821	1,830
8. Rocky Mountain:					
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
1947	11	4,562	3,641	173	195
9. Pacific:					
1943	13	53,762	30,383	1,519	1,581
1944	14	58,258	34,568	1,253	1,554
1945	15	55,663	35,301	1,246	1,554
1946	16	54,907	43,740	1,309	1,632
1947	17	53,964	45,010	1,364	1,664

[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. 623.—Class I Intercity Motor Carriers of Passengers—Selected Operating Statistics, by Regions: 1943 to 1947—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:						
1943	771,729	394,129	$0.806	$0.412	37,225	$84,550
1944	833,851	429,917	.798	.411	40,092	100,933
1945	860,485	434,614	.793	.401	42,304	108,394
1946	964,227	433,730	.798	.359	46,587	120,185
1947	978,364	412,332	.802	.338	45,820	136,123
1. New England:						
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
1947	27,779	19,395	.473	.330	1,684	4,973
2. Middle Atlantic:						
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
1947	104,648	65,074	.594	.369	5,479	16,621
3. Central:						
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
1947	157,683	66,499	.828	.349	7,870	24,039
4. Southern:						
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	295,073	147,936	.692	.346	13,296	33,851
1947	290,437	140,139	.678	.321	12,941	35,228
5. Northwestern:						
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
1947	41,252	12,935	1.090	.342	1,604	5,050
6. Midwestern:						
1943	36,086	10,002	1.480	.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	49,703	13,133	1.389	.366	2,109	6,093
1947	65,723	14,543	1.535	.340	2,693	8,632
7. Southwestern:						
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
1947	143,010	50,571	.941	.333	6,262	17,590
8. Rocky Mountain:						
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
1947	12,495	2,383	1.678	.320	522	1,652
9. Pacific:						
1943	101,368	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
1947	129,337	40,793	1.099	.347	6,765	21,738

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

No. 624.—Motorbus Lines—Summary of Operations of Common Carriers and School Busses: 1943 to 1949

ITEM	1943	1944	1945	1946	1947	1948	1949 [1]
COMMON CARRIER BUS OPERATIONS							
Number of operating companies (Dec. 31)	4,500	4,970	5,120	5,174	4,825	5,275	5,350
City and city suburban	800	1,270	1,435	1,455	1,570	1,700	1,740
Intercity	3,500	2,600	2,785	2,911	2,955	3,100	3,060
Charter hire and sightseeing	200	1,100	900	808	300	475	550
Number of busses (Dec. 31)	76,114	79,825	75,988	79,495	89,000	92,150	91,500
City and city suburban	45,610	48,525	45,955	47,760	54,100	57,175	57,800
Intercity	28,504	28,000	29,000	30,260	31,900	31,775	30,200
Charter hire and sightseeing	2,000	3,300	1,033	1,475	3,000	3,200	3,500
Miles of highway covered (Dec. 31)	434,575	387,875	414,595	422,697	455,450	480,000	470,500
City and city suburban	42,000	38,575	42,948	45,085	46,800	51,875	54,000
Intercity	392,575	349,300	371,652	377,612	408,650	428,125	416,500
Total bus miles (millions) [2]	2,768	3,212	3,131	3,424	3,521	3,569	3,422
City and city suburban	1,425	1,630	1,493	1,586	1,748	1,807	1,821
Intercity	1,320	1,524	1,609	1,805	1,731	1,714	1,550
Charter hire and sightseeing	23	58	29	33	42	48	51
Revenue passengers (millions)	8,355	9,753	8,813	9,445	9,590	10,107	9,729
City and city suburban (line haul service only)	7,377	8,609	7,929	8,456	8,630	9,047	8,819
Intercity (line service only)	953	1,084	874	967	918	1,014	860
Charter hire and sightseeing	25	60	19	22	42	46	50
Operating revenue (1,000 dollars)	1,030,400	1,205,310	1,164,208	1,228,929	1,268,060	1,370,121	1,379,462
City and city suburban	535,400	614,870	567,891	621,611	662,268	750,731	795,891
Intercity	480,000	563,840	586,667	596,034	555,802	561,790	522,321
Charter hire and sightseeing	15,000	26,600	9,750	11,284	50,000	57,600	61,250
Taxes assignable to operations (1,000 dollars) [3]	69,000	96,100	91,081	86,435	97,304	97,631	99,893
City and city suburban	34,450	52,500	48,355	42,697	50,296	52,038	54,619
Intercity	33,550	40,600	42,029	42,931	44,223	42,713	42,150
Charter hire and sightseeing	1,000	3,000	697	807	2,875	2,880	3,124
Investment in plant and equipment (Dec. 31) (1,000 dollars)	[4] 712,600	[4] 758,000	822,130	857,399	1,074,418	[4] 1,263,766	[5]
Number of employees (Dec. 31)	[4] 154,900	[4] 170,362	175,267	192,017	201,262	[4] 196,185	[4] 192,356
Wages and salaries of employees (1,000 dollars)	[4] 332,900	[4] 433,000	404,645	512,364	578,274	[4] 616,295	[5]
SCHOOL BUS OPERATIONS							
Number of schools using busses	44,825	42,200	40,000	40,400	43,000	46,400	45,300
Number of busses [6]	77,850	75,500	80,000	82,500	85,900	90,400	97,600
Miles of route served (thousands)	1,598	1,543	1,725	1,915	1,870	2,013	2,079
Children carried daily (thousands)	4,425	4,490	4,700	4,710	4,952	5,416	5,720
Cost of service annually (1,000 dollars)	81,000	90,540	93,500	103,000	130,700	145,200	177,532

[1] Preliminary. [2] Includes 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. 625.—Aircraft Production and Exports: 1934 to 1948

[See also *Historical Statistics*, series K 230-245]

ITEM	1934	1940	1945	1946	1947	1948
PRODUCTION						
Number of aircraft, total	1,615	12,804	[1] 49,761	36,670	17,717	9,791
For U. S. military	393	[2] 6,019	[2] 47,714	1,669	2,100	2,489
Others	1,222	6,785	2,047	35,001	15,617	7,302
Value of all products [3]	43,891,925	[4] 370,000,000	[4] 8,279,000,000	(5)	(5)	(5)
EXPORTS						
Number of aircraft, total [6]	490	3,522	7,599	2,302	3,125	2,259
Value of aircraft, total [6]	8,195,484	196,260,556	663,128,543	65,257,749	74,476,912	66,354,000
Value of all exports [3]	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] Includes military aircraft for lend-lease shipments.
[3] Value of aircraft, engines, parts, parachutes, etc.
[4] 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.
[5] Not available.
[6] Exclusive of gliders and barrage balloons.

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

No. 626.—Civil Aeronautics—Summary: 1934 to 1949

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

ITEM	1934	1940	1945	1947	1948	1949 [1]
SCHEDULED AIR CARRIER OPERATIONS						
Number of operators, Dec. 31:						
Domestic	24	19	20	28	31	37
International	2	3	4	12	13	13
Route miles in operation—Dec. average	50,801	95,079	87,401	157,718	174,555	182,945
Domestic	28,609	42,757	48,516	62,215	68,702	73,955
International	22,192	52,322	38,885	95,503	105,853	108,990
Airplanes in service, Dec. 31	522	437	518	964	1,053	1,090
Domestic	423	369	421	810	878	913
International	99	68	97	154	175	177
Total personnel employed, Dec. 31, domestic	4,201	15,984	50,313	58,998	60,416	[2]
Pilots and copilots employed	667	1,939	4,967	5,034	5,307	[2]
Revenue miles flown (all services) (thousands)	49,065	119,753	241,578	411,535	436,270	456,168
Domestic	41,526	110,101	208,969	325,054	338,217	351,640
International	7,539	9,652	32,609	86,481	98,053	104,528
Revenue passengers carried	[3] 572,265	[3] 2,965,398	7,051,810	14,249,920	14,540,951	16,600,771
Domestic	475,461	2,802,781	6,576,252	12,890,208	13,168,095	15,080,704
International	96,804	162,617	475,558	1,359,712	1,372,856	1,520,067
Revenue passenger miles flown, domestic (thousands)	[4] 189,806	1,052,156	3,362,455	6,109,508	5,981,003	6,753,916
Average passenger-mile rate, domestic	$0.059	$0.0507	$0.0495	$0.0506	0.0576	[2]
Express and freight, ton-miles flown	[2]	[2]	30,914,363	97,568,958	146,969,361	179,159,089
Domestic	[5] 597,293	3,476,224	22,196,852	64,678,213	101,376,500	123,001,352
International	[2]	[2]	8,717,511	32,890,745	45,592,801	56,158,037
Mail, ton-miles flown, domestic	[6] 2,237,175	10,117,858	[7] 65,092,921	[7] 33,086,175	[7] 37,925,396	[7] 41,418,156
Accidents, domestic:						
Number of accidents [8]	71	30	40	44	56	55
Revenue miles flown per accident	584,869	3,683,789	5,234,222	7,424,009	6,061,508	6,495,341
Total fatalities	29	45	88	222	98	113
Fatalities per 1,000,000 revenue miles flown	0.70	0.41	0.42	0.68	0.29	0.32
Accidents, international:						
Number of accidents [8]	2	0	5	9	12	18
Revenue miles flown per accident	3,769,553	1,608,622	6,521,741	9,797,378	8,357,483	5,804,641
Total fatalities	9		27	33	60	
Fatalities per 1,000,000 revenue miles flown	1.19		0.83	0.37	0.60	
MISCELLANEOUS [9]						
Miles of controlled civil airways	19,081	32,100	43,285	45,393	57,368	61,392
Radio range stations, total [10]	112	292	360	465	709	749
Low/medium frequency	112	290	344	365	376	379
Very high frequency		2	16	100	333	370
Nondirectional radio beacons [10]	73	48	88	81	98	120
Airport traffic control towers, federally operated [10]			107	134	150	162
Airway traffic control centers, federally operated [10]		11	29	31	30	30
Interstate airways communications stations	205	365	438	403	437	464
Airports in operation, as recorded by CAA, total	2,297	2,331	4,026	5,759	6,414	6,484
Municipal [11]	980	1,031	1,220	1,818	2,050	2,200
Commercial [12]	872	860	1,509	2,840	2,989	2,585
CAA intermediate [13]	259	289	216	178	161	139
All others [14]	186	151	1,081	914	1,214	1,560
Pilots licensed (active) airplane	13,949	69,829	296,895	[15] 433,241	[16] 491,306	[17] 510,000
Total civil aircraft	8,322	17,928	37,789	[15] 94,821	[15] 95,997	[15] 92,622
Miles flown in civil flying other than scheduled air carrier (thousands)	75,602	264,000	[2]	[10] 1,502,420	[10] 1,469,540	[2]
Total accidents in non-air-carrier flying operations	1,491	3,471	4,652	9,253	7,850	[2]

[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] As of May 1, 1949. [17] Estimated. [18] Includes gliders.
[19] Estimated. 1947 includes 13,305,000 miles not elsewhere classified; 1948, 18,065,000 miles.

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

No. 627.—Airports, by Class and by Type, by States: Jan. 1, 1950

[Data cover existing airports as of record with Civil Aeronautics Administration on Jan. 1, 1950. 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	6,484	4,100	1,027	576	447	185	149	2,200	2,585	139	353	1,207
Alabama	91	47	16	13	12	1	2	32	32	2	15	10
Arizona	179	68	50	32	14	13	2	42	31	4	30	72
Arkansas	88	57	11	11	8	1		32	38			18
California	509	278	88	49	37	33	24	152	178	8	44	127
Colorado	109	57	23	20	1	2	6	54	33	3	3	16
Connecticut	34	25	1	3	4	1		10	24			
Delaware	17	11	3		1		2	2	12		1	2
Dist. of Columbia	3				1	1	1				2	1
Florida	191	54	24	46	40	12	15	90	47	1	48	5
Georgia	134	64	17	24	22	3	4	54	33	4	10	33
Idaho	124	101	11	7	2	0	3	71	14	3	1	35
Illinois	173	113	42	5	9	4		32	113	3	6	19
Indiana	160	112	29	8	9	2		34	114	1	4	7
Iowa	183	152	19	4	7	0	1	52	77	2	2	50
Kansas	190	127	25	17	4	9	8	97	56	3	9	25
Kentucky	67	54	4	4	4		1	14	35	1	2	15
Louisiana	79	40	14	12	8	2	3	28	23	4	4	20
Maine	65	41	6	12	2	2	2	25	30		3	7
Maryland	51	24	14	5	6		2	5	28		7	11
Massachusetts	81	54	8	9	7		3	23	52		4	2
Michigan	250	173	48	14	11	2	2	118	105		5	22
Minnesota	127	83	31	7	4	1	1	79	45		1	2
Mississippi	87	48	17	12	9		1	33	30	4	6	14
Missouri	121	79	21	12	5	3	1	47	59	5	3	7
Montana	109	72	18	7	6	2	4	69	14	8	1	17
Nebraska	137	102	16	4	2	2	11	67	43	3	1	23
Nevada	66	28	7	11	10	9	1	21	20	6	8	16
New Hampshire	36	26	4	3	2		1	12	17		1	6
New Jersey	94	64	16	8	4		2	13	70		5	6
New Mexico	108	65	13	6	9	8	7	31	30	11	8	28
New York	267	206	29	11	14	5	2	48	136	2	6	75
North Carolina	146	96	14	18	12	2	4	36	85	1	12	12
North Dakota	133	107	15	5	6			60	38	6		29
Ohio	252	189	41	10	8	2	2	38	176	4	4	30
Oklahoma	148	89	25	12	13	6	3	80	50	1	4	13
Oregon	117	76	11	11	14	4	1	42	38	2		35
Pennsylvania	218	161	35	14	7	1		43	161	2	5	7
Rhode Island	11	6	1	2		2		2	7		2	
South Carolina	65	28	13	4	11	6	3	36	18	2	6	3
South Dakota	69	51	6	5	3	2	2	42	22	1	1	3
Tennessee	74	46	16	5	6	1		21	39	6	2	6
Texas	647	392	114	54	52	25	10	169	152	13	51	262
Utah	60	22	15	13	4	5	1	37	7	8	4	4
Vermont	23	19		3	1			9	12		1	1
Virginia	125	83	17	10	11	2	2	24	63	2	14	22
Washington	178	116	23	10	17	5	7	67	53	4	12	42
West Virginia	59	46	7	2	3	1		14	27	2		16
Wisconsin	172	120	36	11	3	1	1	60	86	2		24
Wyoming	57	28	13	11	2	2	1	33	12	5		7

[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.

22. 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, and Bureau of Customs, 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 ShippingAdministration, continental United States.

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.

Types of vessel shipments.—Shipments by dry cargo vessels include shipments on all types of watercraft except tanker vessels, and shipments by tanker vessels include all types of cargo both liquid and dry carried by tanker vessels.

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 650–655 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. 628.—Water-Borne Commerce of the United States—Cargo Tonnage, Foreign and Domestic: 1943 to 1948

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

CLASS	1943	1944	1945	1946	1947 [1]	1948 [1 2]
Foreign commerce, total	127,284	153,736	172,094	148,877	188,256	162,971
Imports, through seaports	33,077	39,441	44,526	47,948	57,366	68,078
Exports, through seaports	63,086	82,613	100,333	76,589	101,906	65,404
Imports, Great Lakes ports	7,120	8,055	6,511	4,163	4,790	4,219
Exports, Great Lakes ports	24,001	23,627	20,724	20,177	24,098	25,270
Domestic commerce, unadjusted total	676,820	706,218	698,188	729,926	(1)	(1)
Coastwise, between ports	60,009	70,806	90,705	137,609	153,098	172,484
Great Lakes, between ports	159,458	164,971	157,900	138,617	163,180	172,491
Local traffic of seaports and Great Lakes ports	106,278	106,194	97,822	91,225	[3] 112,668	[3] 113,959
Traffic between ports and river points [4]	93,689	95,821	87,073	81,668	149,614	169,698
Traffic on rivers, canals, and connecting channels [5]	257,386	268,426	264,688	280,807		
Foreign and domestic, unadjusted total	804,104	859,954	870,282	878,803	(1)	(1)
Deductions of duplications:						
Traffic between seaports and river points	93,689	95,821	87,073	81,668	(1)	(1)
Other duplications (canals, etc.) [6]	129,834	158,205	164,303	180,103	(1)	(1)
Net total, foreign and domestic	580,581	605,928	618,906	617,032	766,817	791,603
Approximate net total, domestic	[7] 453,297	[7] 452,192	[7] 446,812	[7] 468,155	578,561	628,632

[1] Figures are net for each type of traffic; no adjustments required to arrive at net totals.
[2] Preliminary.
[3] Represents traffic local to seaports, Great Lakes ports, and communities on inland waterways.
[4] Represents traffic among ports and communities utilizing inland waterways exclusively.
[5] Excluding St. Marys Falls Canal traffic and additional Detroit River traffic, data for which are already included in figures for Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.
[6] Principally coastwise and lake traffic passing through canals and connecting channels other than the St. Marys Falls Canal and Detroit River.
[7] 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 1948 data, which are preliminary.

No. 629.—Freight Traffic on New York State Canals—Tonnage Moved: 1837 to 1949

[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	1942	3,539,101
1851–1855	3,976,501	1901–1905	3,335,210	1943	2,824,160
1856–1860	3,911,407	1906–1910	3,238,129	1944	2,506,840
1861–1865	5,049,341	1911–1915	2,448,837	1945	2,968,682
1866–1870	5,987,724	1916–1920	1,348,365	1946	2,820,541
1871–1875	5,974,097	1921–1925	1,905,291	1947	3,790,050
1876–1880	5,219,888	1926–1930	2,004,575	1948	4,513,817
1881–1885	5,210,389	1931–1935	4,014,269	1949	3,949,739

COMMODITY	1935	1940	1945	1947	1948	1949
Freight, east-bound, tons	1,488,315	1,924,834	1,812,554	972,760	1,021,752	1,138,047
Petroleum and its products	33,170	313,654	764,717	21,947	58,247	210,036
Grain	614,855	656,472	604,105	268,077	633,305	644,983
Pulpwood	8,450	33,450	104,705	109,440	158,914	12,180
Other	831,840	921,258	339,027	573,296	171,226	270,848
Freight, west-bound, tons	3,000,857	2,843,326	1,156,128	2,817,290	3,492,065	2,811,692
Petroleum and its products	1,772,627	1,788,346	818,945	2,620,309	3,262,988	2,487,136
Other	1,228,230	1,054,980	337,183	187,981	229,077	324,556

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

No. 630.—Commerce of Principal United States Ocean Ports: 1948

[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 and San Francisco, what is called intraport traffic between ports 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	COASTWISE Shipments
Total [1]	68,078	65,404	172,453	172,478
ATLANTIC PORTS				
Searsport Harbor, Maine	11	8	730	9
Portland Harbor, Maine	3,285	74	3,684	509
Portsmouth Harbor, N. H.	123	------	410	6
Beverly Harbor, Mass.	------	------	431	11
Salem Harbor, Mass.	------	------	374	------
Lynn Harbor, Mass.	------	------	310	15
Boston, Mass.	2,834	320	12,601	810
New Bedford and Fairhaven Harbor, Mass.	17	1	605	28
Fall River Harbor, Mass.	105	------	1,442	82
Providence River and Harbor, R. I.	872	3	5,709	536
Tiverton Harbor, R. I.	------	------	302	27
New London, Conn.	3	------	226	12
New Haven Harbor, Conn.	395	10	4,252	999
Bridgeport Harbor, Conn.	------	------	2,155	199
Norwalk Harbor, Conn.	------	------	240	57
Stamford Harbor, Conn.	------	------	605	58
New York Harbor, N. Y.	19,678	10,260	42,238	8,912
Hempstead Harbor, N. Y.	------	------	923	1,982
Port Jefferson Harbor, N. Y.	------	------	178	254
Albany, N. Y.	64	550	2,607	8
Oyster Bay, N. Y.	------	------	45	470
Northport Bay and Harbor, N. Y.	------	------	43	2,121
Delaware River and tributaries	12,712	3,864	21,389	3,370
Baltimore Harbor and Channels, Md.	10,325	6,270	4,474	917
Hampton Roads, Va.	2,144	14,361	4,432	17,068
Morehead City, N. C.	52	------	269	------
Wilmington, N. C.	122	35	2,379	3
Charleston Harbor, S. C.	447	858	2,449	52
Savannah Harbor, Ga.	1,160	132	1,184	87
Jacksonville, Fla.	397	79	1,017	18
Lake Worth Inlet, Fla.	109	165	12	------
Hollywood Harbor (Port Everglades), Fla.	194	41	1,223	------
Miami Harbor (Biscayne Bay), Fla.	186	51	413	1
San Juan Harbor, P. R.	345	30	1,036	327
Mayaguez Harbor, P. R.	35	------	114	96
Ponce Harbor, P. R.	97	104	161	37
St. Thomas Harbor, V. I.	191	144	20	4
GULF PORTS				
Charlotte Harbor, Fla.	------	102	------	684
Tampa Harbor, Fla.	126	449	2,458	1,181
St. Josephs Bay, Fla.	------	7	1,416	------
St. Andrew Bay, Fla.	40	24	201	74
GULF PORTS—continued				
Pensacola Harbor, Fla.	87	389	------	------
Mobile, Ala.	2,274	1,083	378	455
Gulfport Harbor and Ship Island Pass, Miss.	140	155	6	------
New Orleans, La.	3,511	4,874	720	6,327
Baton Rouge, La.	377	630	256	4,104
Lake Charles, La. [2]	64	263	618	5,621
Terrebonne Bay, La.	------	------	------	1,116
Beaumont, Tex. (Neches River)	20	705	1,623	17,742
Port Arthur, Tex.	457	2,154	2,598	14,856
Galveston, Tex.	316	3,871	27	690
Texas City, Tex.	263	405	1,249	7,315
Houston, Tex.	386	3,836	1,030	20,472
Freeport, Tex.	------	69	------	416
Port Aransas, Tex.	------	147	19	8,261
Corpus Christi, Tex.	29	1,200	96	8,712
Brazos Island Harbor, Tex.	231	163	69	1,087
PACIFIC PORTS				
Los Angeles Harbor, Calif.	608	1,375	2,913	6,675
Long Beach Harbor, Calif.	269	470	1,443	1,497
San Luis Obispo Harbor, Calif.	------	100	39	4,563
San Diego, Calif.	10	6	1,252	------
El Segundo, Calif.	------	375	706	973
Ventura Harbor, Calif.	------	17	------	735
Ellwood, Calif.	------	------	------	445
Estero Bay, Calif.	------	628	------	3,337
Avalon Bay Harbor, Santa Catalina Island, Calif.	------	------	17	836
San Francisco Bay, Calif.	812	2,074	10,534	8,691
Coos Bay, Oreg.	------	253	82	272
Portland, Oreg.	47	524	5,659	218
Longview, Wash.	12	30	124	95
Grays Harbor and Chehalis River, Wash.	2	39	142	148
Tacoma Harbor, Wash.	334	429	607	160
Seattle Harbor, Wash.	209	651	4,894	549
Bellingham Bay and Harbor, Wash.	253	21	47	19
Everett Harbor, Wash.	128	12	124	44
Ketchikan Harbor, Alaska	1	------	185	48
Seward Harbor, Alaska	------	------	256	9
Honolulu Harbor, T. H.	67	20	1,637	647
Hilo Harbor, T. H.	18	10	206	220
Kahului Harbor, Maui, T. H.	15	2	142	227
Kaumalapau, Lanai, T. H.	------	------	90	152
Pearl Harbor, Oahu, T. H.	------	12	287	------

[1] Includes data for ports not shown separately.
[2] Including Calcasieu River and Pass.

Source: Department of the Army, Corps of Engineers. Data are preliminary and are subject to revision in Annual Report of Chief of Engineers, Part II.

No. 631.—Commerce of Principal Great Lakes Ports: 1945 to 1948

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

PORT	RECEIPTS				SHIPMENTS			
	1945	1946	1947	1948 [1]	1945	1946	1947	1948 [1]
Total	164,394	142,784	167,989	176,741	178,669	158,800	187,280	197,767
Agate Bay (Two Harbors), Minn	200	200	212	217	19,535	15,442	18,811	20,787
Alabaster, Mich					327	531	423	539
Alpena Harbor, Mich	200	317	285	364	1,902	1,704	2,064	2,040
Ashland Harbor, Wis	675	825	830	840	4,779	4,115	5,825	5,871
Ashtabula, Ohio	8,147	7,986	10,275	11,622	5,097	4,047	4,719	4,897
Buffalo, N. Y	19,802	13,479	16,760	16,994	1,434	1,572	1,661	1,804
Buffington, Ind	576	784	825	993	56	92	99	108
Calcite, Mich	122	109	136	132	9,590	10,800	12,065	13,099
Chicago, Ill.[2]	13,344	11,060	14,513	14,771	1,471	2,035	3,430	3,032
Cleveland, Ohio	17,018	14,381	16,777	17,062	1,268	1,703	2,202	1,611
Conneaut Harbor, Ohio	11,765	9,492	12,311	12,937	2,156	2,384	3,221	3,081
Detour, Mich	579	417	526	501	6	264	597	972
Detroit, Mich	14,705	14,522	16,907	18,040	473	733	727	751
Duluth-Superior, Minn. and Wis	10,767	11,992	10,939	11,319	54,564	42,207	53,452	57,866
Erie Harbor, Ohio	7,033	3,865	5,563	4,705	1,930	1,766	1,673	2,047
Escanaba Harbor, Mich	344	356	364	431	5,191	3,386	4,591	5,270
Fairport, Ohio	2,802	1,819	1,265	1,254	1,598	1,312	1,290	1,767
Frankfort Harbor, Mich	1,197	1,171	1,228	1,207	613	507	623	668
Gary Harbor, Ind	10,538	8,560	8,636	8,207	25	70	143	160
Grand Haven Harbor and Grand River, Mich	137	128	128	125	391	548	771	911
Great Sodus Bay, N. Y					1,465	1,371	2,022	2,111
Green Bay, Wis	2,549	2,945	3,218	3,451	2	3	5	4
Holland Harbor, Mich	153	126	194	205				
Huron Harbor, Ohio	883	976	1,226	1,925	379	729	1,303	1,614
Indiana Harbor, Ind	9,050	6,967	9,092	9,483	3,884	4,166	3,965	4,299
Kewaunee Harbor, Wis	409	295	379	389	618	599	633	624
Lorain Harbor, Ohio	6,452	5,932	8,003	9,137	3,083	2,483	3,037	3,671
Ludington, Mich	1,685	1,576	1,814	1,862	1,312	1,222	1,387	1,551
Manistee Harbor, Mich	257	239	240	224	479	500	680	590
Manistique Harbor, Mich	101	76	95	110	231	243	274	277
Manitowoc Harbor, Wis	1,141	1,054	1,132	1,241	953	953	968	953
Marblehead, Ohio					613	1,024	1,156	1,107
Marquette Harbor, Mich	197	192	218	222	563	377	580	486
Marysville, Mich	429	500	722	793	20	26	18	9
Menominee Harbor and River, Mich. and Wis	640	714	784	848	102	115	102	88
Milwaukee Harbor, Wis	6,242	6,299	6,690	7,021	1,743	1,506	1,803	1,564
Muskegon Harbor, Mich	1,197	1,382	1,446	1,623	824	977	1,046	1,028
Ogdensburg, N. Y	227	274	247	263	152	243	278	270
Oswego, N. Y	1,263	901	1,075	1,457	840	547	984	903
Port Huron, Mich	326	403	505	568				5
Port Inland Harbor, Mich	3	1	2	1	3,490	2,781	3,863	3,993
Port Washington Harbor, Wis	402	412	525	677				
Presque Isle Harbor, Mich					3,747	2,447	4,681	4,029
Racine Harbor, Wis	367	356	383	357				
Rochester, N. Y	224	249	243	270	1,902	1,659	1,615	1,473
Rockport, Mich	14	7	7	8	740	958	1,197	1,033
Saginaw River, Mich., and ports	2,188	2,341	2,903	3,433	63	117	48	37
St. Joseph Harbor, Mich	251	312	327	348				
Sandusky Harbor, Ohio	5	12	7	2	13,132	12,236	11,692	11,820
Sault Ste. Marie, Mich	459	407	445	456	3			9
Sheboygan Harbor, Wis	605	568	526	658				
Toledo Harbor, Ohio	4,478	3,549	4,497	4,608	25,547	25,839	25,001	25,844
Tonawanda, N. Y	415	454	439	403	15	6		3
All other	1,881	1,802	2,125	2,887	361	365	546	1,082

[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, export for 1948 data which are preliminary.

No. 632.—Freight and Passenger Traffic on St. Marys Falls Canal (Sault Ste. Marie): 1890 to 1948

[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
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	32,922	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	12,752	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	80,648	1,939	(1)	(1)	(1)
1947	110,732	91,784	18,948	96,971	13,761	(1)	(1)	(1)
1948	115,414	95,346	20,068	100,536	14,878	(1)	(1)	(1)

Commodity	1920	1925	1930	1935	1940	1945	1947	1948
Passengers carried—number	68,451	56,956	45,303	32,937	53,129	46,044	90,500	112,101
Freight, east-bound—1,000 tons [2]	63,464	67,305	57,067	37,192	76,635	96,729	91,784	95,346
Flour—do	748	920	853	684	480	108	54	63
Wheat—do	4,304	8,785	7,318	5,388	6,660	14,436	7,580	6,557
Other grain—do	1,236	3,163	1,204	876	1,087	3,031	2,356	2,351
Lumber—do	358	367	303	72	47	2		
Pulpwood—do				239	692	619	826	736
Iron ore—do	56,643	53,821	46,990	29,277	65,842	77,719	80,456	85,042
All other—do	175	240	399	656	1,827	814	512	597
Freight, west-bound—1,000 tons [2]	15,818	14,570	15,831	11,101	12,725	16,254	18,948	20,068
Coal—do	14,156	12,874	14,059	9,162	10,174	13,837	15,833	16,880
All other—do	1,662	1,696	1,772	1,939	2,551	2,417	3,115	3,188

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

No. 633.—Freight and Passenger Traffic on Ohio River: 1938 to 1948

Year	Short tons	Ton-miles	Passengers carried [1]	Year	Short tons
	Thousands	*Thousands*	*Number*		*Thousands*
1938	20,587	2,578,825	1,588,500	**1947—Total**	41,397
1939	25,955	3,360,454	1,533,758	Up [3]	7,140
1940	29,549	3,852,508	1,957,308	Down [3]	9,502
1941	36,557	5,197,440	1,554,319	Inbound	20,571
1942	38,281	5,299,847	1,034,190	Outbound	4,184
1943	36,610	5,996,347	1,191,350		
1944	37,801	7,004,056	1,148,294	**1948—Total**	42,792
1945	33,868	6,064,699	1,145,626	Up [3]	8,855
1946	35,851	4,999,560	1,053,511	Down [3]	9,936
1947	41,397	5,746,076	1,534,856	Inbound	19,618
1948	42,792	6,585,854	(2)	Outbound	4,854

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

Source of tables 632 and 633: Department of the Army, Corps of Engineers; Annual Report, Chief of Engineers, Part II, and records.

No. 634.—Commerce on Principal Rivers, Canals, and Connecting Channels of the United States: 1943 to 1948

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

WATERWAY	1943	1944	1945	1946	1947	1948 [1]
RIVERS						
Connecticut River below Hartford, Conn	874	1,054	1,116	1,400	1,604	1,864
Hudson River, N. Y. (Mouth of Spuyten Duyvil Creek to Waterford, N. Y.)	4,056	3,303	5,747	9,181	10,349	12,716
Delaware River, Philadelphia, Pa., to Trenton, N. J	4,992	4,241	4,261	5,093	5,832	7,218
Potomac River below Washington, D. C	2,086	1,838	1,936	1,971	2,041	2,450
James River, Va	2,749	2,329	1,469	2,214	2,506	3,101
Cape Fear River at and below Wilmington, N. C	650	1,062	1,169	2,103	2,345	3,300
Mobile River, Ala., tributaries	2,532	1,453	2,382	2,576	3,274	3,179
Black Warrior, Warrior, and Tombigbee Rivers, Ala	1,653	1,440	1,492	1,372	1,848	2,059
Mermentau River, Bayou Nezpique, and Bayou Des Cannes, La	843	650	596	813	1,189	1,505
Bayou Lafourche, La	1,090	762	685	849	879	1,381
Bayou Terrebonne, La	670	522	632	486	750	1,046
Petit Anse, Tigre, and Carlin Bayous, La	263	735	1,019	1,104	1,382	1,518
San Joaquin River, Calif	671	996	1,220	1,024	730	1,003
Sacramento River, Calif	833	849	956	1,078	1,380	1,542
Columbia and Lower Willamette Rivers below Vancouver, Wash., and Portland, Oreg	16,345	15,701	16,635	14,232	15,938	15,592
Columbia River from Vancouver, Wash., to The Dalles, Oreg	1,843	1,509	1,417	1,826	2,005	2,084
Willamette River above Portland and Yamhill River, Oreg	4,892	5,236	2,877	3,979	4,942	4,170
Snohomish River, Wash	2,078	2,000	1,778	1,783	1,882	1,637
Illinois Waterway, Ill	6,445	7,804	6,591	6,914	10,165	12,273
Mississippi River, Minneapolis, Minn., to the Passes	37,842	44,671	43,969	41,308	51,427	57,148
Missouri River:						
Kansas City to the mouth	394	322	478	751	621	797
Kansas City to Sioux City	142	71	386	276	377	811
Sioux City to Fort Benton	1		7	26	14	15
Allegheny River, Pa	2,984	2,797	2,416	2,505	2,734	3,270
Monongahela River, Pa. and W. Va	30,816	30,769	26,556	25,429	31,742	30,015
Kanawha River, W. Va	5,045	4,844	4,499	4,524	5,367	5,911
Ohio River, Pittsburgh to mouth [2]	36,610	37,801	33,868	35,851	41,397	42,792
Cumberland River, Tenn., and Ky	712	774	814	1,027	1,206	1,352
Tennessee River, Tenn., Ala., and Ky	2,869	2,348	2,163	2,309	2,792	2,963
FEDERAL CANALS AND CONNECTING CHANNELS						
Cape Cod Canal, Mass	16,513	18,851	14,684	10,656	11,925	13,113
Inland Waterway from Delaware River to Chesapeake Bay, Del. and Md	7,450	5,354	3,690	3,698	5,388	5,597
Lake Charles Deep Water Channel, La	11,418	13,340	10,288	6,854	8,494	10,840
Gulf Intracoastal Waterway, Plaquemine to Morgan City, alternate route	3,284	2,358	1,693	1,533	1,878	2,158
Gulf Intracoastal Waterway, Apalachee Bay, Fla., to the Mexican border	22,045	24,085	23,045	20,457	22,801	27,866
Sabine-Neches Waterway, Tex	14,532	16,545	26,318	43,595	47,644	55,595
Port Aransas (Aransas Pass) Corpus Christi Waterway, Tex	7,375	9,554	13,074	19,885	22,242	22,862
Detroit River, Mich. [3]	128,756	133,247	127,045	110,864	127,440	133,734
St. Marys Falls Canal, Mich. [4]	115,578	116,986	112,983	91,587	110,732	115,414
Grays Reef Passage, Mich	5,384	5,985	4,905	5,217	6,885	6,353
Multnomah Channel, Oreg	2,412	2,750	2,363	1,466	1,589	1,639
Canals and locks at Willamette Falls, Oreg	2,246	2,028	1,619	2,078	1,996	1,977
Lake Washington Ship Canal, Wash	2,360	3,006	2,183	2,107	2,015	2,115
STATE AND PRIVATE CANALS						
New York State Barge Canal [5]	2,824	2,507	2,969	2,821	3,790	4,514
Innerharbor Navigation Canal, La	5,358	2,388	1,430	1,276	2,044	2,123

[1] Preliminary
[2] See also table 633.
[3] Figures revised to include through traffic.
[4] See also table 632.
[5] See also table 629.

Source: Department of the Army, Corps of Engineers; Annual Report of Chief of Engineers, Part II, except for 1948 data which are preliminary.

No. 635.—American Flag Steam and Motor Merchant Vessels: 1938 to 1949

[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
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	-------	-------
1949, June 30[1]	3,379	36,228	1,386	16,044	1,004	11,416	382	4,628	262	3,437	62	700	58	491	1,993	20,184	-------	-------
Combination	79	609	47	388	43	375	4	13	-------	-------	-------	-------	4	13	32	221	-------	-------
Cargo	2,799	28,442	969	10,063	813	8,626	156	1,437	53	416	59	657	44	364	1,830	18,379	-------	-------
Tankers	501	7,177	370	5,593	148	2,415	222	3,178	209	3,021	3	43	10	114	131	1,584	-------	-------

[1] No vessels delivered under Maritime Commission ship building program during 1949; not comparable previous years.

Source: U. S. Maritime Commission, records.

No. 636.—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. No vessels were delivered under this program during 1949]

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	Number	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. 637.—United States Merchant Marine—Summary: 1789 to 1949

[For definition of "gross ton" see general note, p. 524. See also *Historical Statistics*, series K 94–98]

JUNE 30 (EXCEPT AS INDICATED)	NUMBER			THOUSANDS OF GROSS TONS			
	Total	Steam and motor	All other	Total	Steam and motor	Sailing [1]	Canal boats and barges [1]
1789 (Dec. 31)				202		202	
1800 (Dec. 31)				972		972	
1810 (Dec. 31)				1,425	1	1,424	
1820 (Dec. 31) [2]				1,280	22	1,258	
1830 (Dec. 31) [2]				1,192	64	1,127	
1840 (Sept. 30)				2,181	202	1,978	
1850				3,535	526	3,010	
1860				5,354	868	4,486	
1870	28,998	3,524	25,474	4,247	1,075	2,363	808
1880	24,712	4,717	19,995	4,068	1,212	2,366	490
1890	23,467	5,965	17,502	4,424	1,859	2,109	456
1900	23,333	7,053	16,280	5,165	2,658	1,885	622
1910	25,740	12,452	13,288	7,508	4,900	1,655	952
1915	26,701	15,948	10,753	8,389	5,944	1,384	1,061
1920	28,183	18,814	9,369	16,324	13,823	1,272	1,228
1925	26,367	18,637	7,730	17,406	14,976	1,125	1,304
1930	25,214	18,211	7,003	16,068	13,757	757	1,554
1935	24,919	18,495	6,424	14,654	12,535	441	1,677
1939	27,470	19,606	7,864	14,632	11,952	221	2,459
1940	27,212	19,504	7,708	14,018	11,353	200	2,466
1941 (Jan. 1)	27,075	19,382	7,693	13,722	11,047	182	2,493
1942 (Jan. 1)	27,325	19,471	7,854	13,860	11,072	106	2,621
1943 (Jan. 1)	27,612	19,974	7,638	16,762	14,052	142	2,568
1944 (Jan. 1)	28,690	21,511	7,179	25,795	23,217	129	2,449
1945 (Jan. 1)	29,797	22,772	7,025	32,813	30,247	115	2,452
1946 (Jan. 1)	31,386	24,355	7,031	38,501	35,928	98	2,475
1947 (Jan. 1)	32,760	25,532	7,228	37,832	35,149	95	2,588
1948 (Jan. 1)	33,843	26,633	7,210	33,167	30,469	87	2,611
1949 (Jan. 1)	35,264	27,862	7,402	32,182	29,323	87	2,771

CLASSES	NUMBER					THOUSANDS OF GROSS TONS				
	1941	1946	1947	1948	1949	1941	1946	1947	1948	1949
Total	**27,075**	**31,386**	**32,760**	**33,843**	**35,264**	**13,722**	**38,501**	**37,832**	**33,167**	**32,182**
By location:										
Atlantic and Gulf [3]	16,627	18,646	19,630	20,212	21,071	9,812	21,571	22,173	20,116	20,318
Pacific [4]	6,727	8,809	9,109	9,462	9,801	1,964	14,258	13,064	10,367	9,088
Northern lakes	2,023	1,880	1,904	1,920	1,964	1,641	2,183	2,091	2,079	2,076
Western rivers	1,698	2,051	2,117	2,249	2,428	305	489	503	603	698
By rig:										
Steam	3,796	6,200	5,971	5,279	5,020	9,814	33,779	32,940	28,401	27,225
Motor	15,586	18,155	19,561	21,354	22,842	1,233	2,149	2,208	2,067	2,099
Sailing	517	353	343	319	303	182	97	95	87	87
Unrigged	7,176	6,678	6,885	6,891	7,099	2,493	2,475	2,588	2,611	2,771

[1] Canal boats and barges included with sailing prior to 1868.

[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. 638.—U. S. Merchant Marine—Number and Gross Tonnage of Vessels on Jan. 1, 1949, by Year of Build

YEAR OF BUILD	Number	Gross tons	YEAR OF BUILD	Number	Gross tons	YEAR OF BUILD	Number	Gross tons
Total	**35,264**	**32,181,863**	1885	35	3,305	1917	615	299,970
			1886	32	2,041	1918	556	257,909
Unknown	1,055	147,623	1887	38	4,852	1919	605	427,947
1849	1	19	1888	50	7,321	1920	567	437,141
1851	1	14	1889	36	5,246	1921	364	390,028
1852	1	14	1890	38	6,405	1922	371	124,290
1853	1	46	1891	73	13,877	1923	481	137,914
1857	3	101	1892	59	9,631	1924	634	156,708
1859	1	24	1893	55	9,375	1925	699	156,740
1862	1	36	1894	36	3,296	1926	750	160,345
1863	2	1,386	1895	40	6,856	1927	832	222,372
1864	1	225	1896	75	46,234	1928	846	194,255
1865	4	121	1897	71	31,463	1929	893	190,944
1866	7	1,221	1898	113	46,433	1930	804	199,659
1867	6	152	1899	122	48,306	1931	541	134,214
1868	6	1,647	1900	180	84,195	1932	387	130,154
1869	5	294	1901	191	66,723	1933	323	55,217
1870	3	3,717	1902	181	94,709	1934	431	47,817
1871	12	617	1903	192	86,307	1935	607	72,657
1872	7	424	1904	186	57,522	1936	811	162,929
1873	8	451	1905	248	104,153	1937	884	229,753
1874	8	891	1906	284	284,181	1938	782	175,319
1875	11	917	1907	294	296,277	1939	756	195,752
1876	9	455	1908	305	195,993	1940	911	305,229
1877	8	3,169	1909	286	160,897	1941	937	548,953
1878	16	4,089	1910	298	165,614	1942	1,384	3,612,203
1879	13	2,444	1911	378	117,905	1943	2,114	7,765,903
1880	11	2,737	1912	443	118,781	1944	2,127	6,277,812
1881	35	4,249	1913	454	170,500	1945	1,801	5,057,561
1882	40	3,253	1914	397	101,795	1946	1,515	597,178
1883	35	2,206	1915	386	76,608	1947	1,430	283,401
1884	39	4,691	1916	402	179,115	1948	1,118	200,290

Source: Treasury Department, Bureau of Customs; annual report, Merchant Marine Statistics.

No. 639.—U. S. Merchant Marine—Number and Gross Tonnage of Vessels on Jan. 1, 1949, by Tonnage Groupings

TONNAGE GROUPINGS	TOTAL		STEAM VESSELS		MOTOR VESSELS		SAILING VESSELS		UNRIGGED VESSELS	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
Total	**35,264**	**32,182**	**5,020**	**27,225**	**22,842**	**2,099**	**303**	**87**	**7,099**	**2,771**
5 to 49 tons	19,665	356	97	3	18,600	328	222	3	746	21
50 to 99 tons	2,595	184	260	21	1,985	138	16	1	334	24
100 to 499 tons	6,981	1,906	750	171	1,804	351	19	5	4,408	1,379
500 to 999 tons	1,649	1,082	166	116	141	93	17	14	1,325	858
1,000 to 2,499 tons	556	805	170	272	117	145	23	40	246	348
2,500 to 4,999 tons	386	1,484	220	878	124	463	6	22	36	119
5,000 to 9,999 tons	3,047	22,169	2,086	21,721	57	426			4	22
10,000 to 19,999 tons	379	4,060	365	3,900	14	154				
20,000 tons and over	6	135	6	135						

Source: Treasury Department, Bureau of Customs; annual report, Merchant Marine Statistics.

No. 640.—Merchant Vessels Launched in the World and in the United States: *1910 to 1949*

[**Vessels of 100 gross tons and over.** For definition of "gross ton" see genera note, p. 524. Beginning 1941 sailing ships and nonpropelled craft are included for Great Britain and N. Ireland only. 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 Germany and Russia.

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	83,435
1936–1940, average	931	2,427,144	841	2,376,050	127	310,706
1941–1945, average	1,442	8,520,091	1,390	8,510,700	963	6,718,446
1935	649	1,302,080	617	1,290,660	14	32,607
1936	999	2,117,024	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*	*9,339,087*
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
1949	1,012	3,146,145	926	3,131,805	66	633,306

[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. 641.—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. 524. 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	25,080	2,165	1920	57,314	16,049	1938	67,847	12,050
1900	28,957	2,750	1925	64,641	15,377	1939	69,440	12,003
1905	35,998	3,996	1930	69,608	14,046	1947	84,356	32,891
1910	41,915	5,059	1935	64,886	12,852	1948	81,074	29,602
1915	40,262	5,893	1937	66,286	12,429	1949	83,346	28,224

ITEM	NUMBER					THOUSANDS OF TONS (SEE HEADNOTE)					
	1910	1920	1930	1939	1949	1910	1914	1920	1930	1939	1949
World total	30,058	31,595	32,713	31,186	31,253	41,915	49,090	57,314	69,608	69,440	83,346
Steam and motor	22,008	26,513	29,906	29,763	30,248	37,291	45,404	53,905	68,024	68,509	82,571
Steel and iron	20,403	23,382	27,595	27,507	27,194	36,769	44,934	51,661	67,304	68,007	81,954
Wood and composite	1,605	3,131	2,401	2,256	3,054	521	470	2,244	720	503	617
Sailing and nonpropelled	8,050	5,082	2,717	1,423	1,005	4,624	3,686	3,409	1,584	930	775
Steel and iron	2,115	1,314	742	743	699	2,508	2,095	1,524	654	572	594
Wood and composite	5,935	3,768	1,975	680	306	2,116	1,590	1,885	930	358	182
United States	3,469	5,457	4,223	3,375	5,307	5,059	5,368	16,049	14,046	12,003	28,224
Steam and motor	1,712	4,110	3,517	2,958	5,026	3,827	4,330	14,574	13,202	11,490	27,814
Steel and iron	1,270	3,242	3,001	2,560	4,605	3,602	4,120	13,341	12,914	11,342	27,708
Wood and composite	442	868	516	398	421	226	210	1,234	288	148	106
Sailing and nonpropelled	1,757	1,347	706	417	281	1,232	1,038	1,475	844	513	410
Steel and iron	139	154	147	187	169	245	236	304	288	272	278
Wood and composite	1,618	1,193	559	230	112	987	803	1,171	556	241	132

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

No. 642.—Commercial Traffic Through the Panama Canal, Total, 1915 to 1948, and by Nationality of Vessel, 1948

[See general note, p. 524. 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	**135,210**	**608,379**	**574,485**	**651,621**
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	1,980	6,072	6,429	7,526
1919	1,948	5,658	6,164	6,910
1920	2,303	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	21,146	27,299
1941	4,727	20,643	18,158	24,951
1942	2,088	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
1948	4,678	22,902	19,957	24,118

NATIONALITY OF VESSELS (year ending June 30, 1948)	Number of transits	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands of long tons)
Argentine	16	54	47	19
Belgian	3	17	15	26
Brazilian	5	9	8	11
British	1,041	5,822	5,086	5,790
Chilean	69	342	306	275
Chinese	9	13	11	16
Colombian	80	95	85	92
Costa Rican	3	2	2	2
Cuban	1	3	2	3
Danish	119	546	488	478
Ecuadorean	32	63	57	50
Finnish	4	11	9	13
French	99	496	440	516
Greek	32	173	146	184
Honduran	178	297	250	180
Icelandic	1	3	2	5
Italian	29	173	151	188
Mexican	7	20	18	28
Netherland	141	345	308	287
Nicaraguan	6	13	10	2
Norwegian	324	1,683	1,426	1,510
Palestinian	2	9	8	8
Panamanian	180	555	465	492
Peruvian	16	45	40	50
Philippine	27	129	115	113
Polish	1	5	5	8
Portuguese	15	68	55	51
Soviet	10	30	27	31
Spanish	26	104	83	94
Swedish	147	668	587	720
Swiss	2	9	8	(4)
United States	2,035	11,063	9,672	12,861
Venezuelan	18	27	23	17

[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. [4] Less than 500 tons.

No. 643.—Commercial Traffic Through the Panama Canal—Summary, Years Ending June 30: 1940 to 1948

[See general note, p. 524]

ITEM	1940	1941	1942	1943	1944	1945	1946	1947	1948
Number of transits	5,370	4,727	2,088	1,822	1,562	1,939	3,747	4,260	4,678
Measurement tonnage registered:									
Gross (thousands)	31,086	26,853	14,759	10,874	8,048	11,427	23,926	27,539	31,034
Net (thousands)	18,643	16,019	8,742	6,578	4,862	6,923	14,338	16,456	18,563
Panama Canal, net (thousands)	24,144	20,643	11,010	8,234	6,073	8,381	17,517	20,233	22,902
Tons of cargo, total (thousands of long tons)	27,299	24,951	13,607	10,600	7,003	8,604	14,978	21,671	24,118
Atlantic to Pacific	9,820	9,488	4,685	4,945	3,354	4,235	6,118	8,295	8,679
Pacific to Atlantic	17,479	15,462	8,923	5,655	3,649	4,369	8,860	13,376	15,439

Source of tables 642 and 643: The Panama Canal, Annual Report of the Governor.

No. 644.—Panama Canal—Revenues, Expenses, and Computed Surplus 1914 to 1948

[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	574,808	7,228	26,981	609,016	335,482	273,534	425,026	*151,492*
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	10,200	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	1,726	19,478	18,074	1,404	15,478	*14,073*
1948	20,004	294	[8] 1,582	21,881	[9] 19,527	2,354	15,490	*13,136*

[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 $23,000 for prior fiscal years.
[9] Includes $292,000 for judgments rendered by Court of Claims for overtime compensation in prior years.

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

No. 645.—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. 646.—Water-Borne Imports and Exports—Cargo Tonnage, by Flag of Carrier Vessel, 1921 to 1949, and by Coastal Districts, 1943 to 1949

[In cargo tons of 2,240 pounds. Excludes 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
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	31,344,566	8,147,086	23,197,480
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]	24,468,000	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]	43,914,094	28,874,571	15,039,523	77,716,542	44,463,070	33,253,472
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
1949 [2]	69,077,771	[3]	[3]	64,104,195	[3]	[3]
Dry cargoes:						
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]	22,606,662	12,730,414	9,876,248	64,160,404	39,050,784	25,109,620
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
1949 [2]	35,042,978	[3]	[3]	54,952,944	[3]	[3]
Tanker cargoes:						
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]	21,307,432	16,144,157	5,163,275	13,556,138	5,412,286	8,143,852
1947 [2]	24,226,000	18,153,000	6,073,000	13,302,000	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
1949 [2]	34,034,793	[3]	[3]	9,151,251	[3]	[3]
Atlantic ports:						
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 [2]	34,353,241	23,792,915	10,560,326	33,574,089	22,412,865	11,161,224
1947 [2]	40,704,000	[3]	[3]	57,031,000	[3]	[3]
1948 [2]	46,743,960	[3]	[3]	32,225,000	[3]	[3]
1949 [2]	52,051,780	[3]	[3]	25,368,370	[3]	[3]
Gulf ports:						
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]	3,915,955	2,763,80	1,152,149	20,073,599	12,552,943	7,520,656
1947 [2]	6,230,000	[3]	[3]	23,922,000	[3]	[3]
1948 [2]	7,319,684	[3]	[3]	18,061,724	[3]	[3]
1949 [2]	9,463,434	[3]	[3]	16,995,107	[3]	[3]
Pacific ports:						
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]	2,140,427	1,489,510	650,917	6,460,909	4,223,500	2,237,409
1947 [2]	*2,189,000*	[3]	[3]	9,297,000	[3]	[3]
1948 [2]	2,628,805	[3]	[3]	6,222,034	[3]	[3]
1949 [2]	3,251,264	[3]	[3]	6,070,749	[3]	[3]
Great Lakes ports:						
1946 [2]	3,504,471	828,340	2,676,131	17,697,945	5,273,762	12,334,183
1947 [2]	3,728,000	[3]	[3]	20,747,000	[3]	[3]
1948 [2]	3,500,547	[3]	[3]	22,340,262	[3]	[3]
1949 [2]	4,311,293	[3]	[3]	15,669,969	[3]	[3]

[1] Excludes U. S. Army, Navy Cargo, and Great Lakes.
[2] Excludes U. S. Army and Navy Cargo. Includes Alaska, Hawaii, and Puerto Rico. 1947–49 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. 1946–49, Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the United States, and records.

No. 647.—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. Totals represent sum of unrounded figures; may vary from sum of rounded amounts]

Trade area	1946			1947 [1]			1948 [1]		
	Total	American	Percent American	Total	American	Percent American	Total	American	Percent American
DRY CARGO									
Trade area, total	143,719.3	87,473.8	60.9	218,702.7	111,489.4	51.0	151,654.4	61,114.5	40.3
Foreign except Canadian	107,244.8	75,996.0	70.9	173,052.5	98,478.7	56.9	102,838.0	47,736.0	46.4
Caribbean	6,935.0	5,012.4	72.3	10,692.1	7,411.3	69.3	9,069.6	5,530.7	61.0
East Coast South America	8,061.8	5,116.3	63.5	13,003.4	6,435.9	49.5	8,316.5	2,549.0	30.6
West Coast South America	1,749.8	1,303.0	74.5	2,433.8	1,709.4	70.2	1,811.0	1,061.6	58.6
West Coast Central America and Mexico	319.0	276.1	86.6	484.9	375.2	77.4	276.0	157.4	57.0
Gulf Coast Mexico	815.1	235.6	28.9	954.4	340.3	35.7	620.2	197.4	31.8
United Kingdom and Eire	6,320.6	2,556.9	40.5	12,429.8	4,658.7	37.5	4,102.6	1,192.4	29.1
Baltic, Scandinavia, Iceland, and Greenland	11,210.0	4,884.7	43.6	18,360.7	8,420.2	45.9	3,658.7	747.9	20.4
Bayonne-Hamburg Range	29,098.9	23,042.4	79.2	56,976.1	36,781.0	64.6	35,370.4	17,548.6	49.6
Portugal and Spanish Atlantic	1,821.2	954.8	52.4	3,044.0	1,402.0	46.1	1,440.0	83.5	5.8
Azores, Mediterranean, and Black Sea	25,825.9	23,210.3	89.9	35,873.7	20,752.9	57.8	21,790.3	11,049.8	50.7
West Coast Africa	1,116.5	681.2	61.0	1,959.1	544.3	27.8	1,277.7	379.8	29.7
South and East Africa	1,476.4	905.6	61.3	2,395.4	1,575.2	65.8	2,732.4	1,578.1	57.8
Australasia	1,455.6	277.9	19.1	2,226.2	678.1	30.5	1,314.6	319.3	24.3
India, Persian Gulf, and Red Sea	2,800.6	1,646.1	58.8	4,927.4	2,890.9	58.7	4,475.5	1,861.4	41.6
Straits Settlements, and Netherlands East Indies	503.4	163.2	32.4	1,322.6	491.8	37.2	929.1	344.2	37.0
South China, Formosa, and Philippines	2,703.6	2,066.5	76.4	3,221.3	2,091.7	64.9	2,902.1	1,655.7	57.1
North China, incl. Shanghai and Japan	5,031.4	3,663.0	72.8	2,747.7	1,920.1	69.9	2,751.2	1,479.2	53.8
Canadian	36,474.6	11,477.8	31.5	45,650.8	13,010.2	28.5	48,816.5	13,378.5	27.4
Pacific Canada	187.6	38.6	20.6	361.9	101.8	28.1	363.2	137.2	37.8
Great Lakes Canada	30,553.4	11,161.9	36.5	37,735.4	12,388.8	32.8	45,245.2	13,109.0	29.0
Atlantic Canada and Newfoundland	5,733.6	277.3	4.8	7,553.2	519.5	6.9	3,208.1	132.2	4.1
TANKER CARGO									
Trade area, total	30,365.7	12,123.5	39.9	29,930.1	10,634.9	35.5	24,968.8	7,887.9	31.6
Foreign except Canadian	22,454.7	8,598.4	38.3	20,766.9	6,064.4	29.2	14,848.7	3,710.6	25.0
Caribbean	1,204.2	506.4	42.1	1,685.0	566.0	33.6	2,619.6	1,154.2	44.1
East Coast South America	593.6	214.5	36.1	675.6	376.9	55.8	831.1	445.0	53.5
West Coast South America	33.6	(2)		120.6			118.0	58.5	49.6
West Coast Central America and Mexico	322.6	170.8	52.9	870.7	296.7	34.1	932.4	454.8	48.8
Gulf Coast Mexico	3.0	(2)		4.0			6.4	2.6	40.6
United Kingdom and Eire	9,434.5	4,427.7	46.9	7,830.1	2,339.8	29.9	4,567.5	570.6	12.5
Baltic, Scandinavia, Iceland, and Greenland	2,259.7	243.4	10.8	2,301.5	93.0	4.0	1,404.5	116.5	8.3
Bayonne-Hamburg Range	4,446.1	1,587.3	35.7	3,053.4	844.4	27.7	2,242.9	448.8	20.0
Portugal and Spanish Atlantic	306.9			255.8			156.8	26.2	16.7
Azores, Mediterranean, and Black Sea	1,159.7	473.1	40.8	1,060.5	378.6	35.7	483.8	157.3	32.5
West Coast Africa	399.1	159.7	40.0	213.5	126.1	59.1	213.5	67.8	31.8
South and East Africa	337.4	203.2	60.2				(2)		
Australasia	959.0	453.1	47.2	1,421.8	591.2	41.6	486.1	67.8	13.9
India, Persian Gulf, and Red Sea	4	.4	100.0	32.7	.1	.3	.7	(2)	(2)
Straits Settlements, Netherlands East Indies	1.9	.9	47.4	5.2					
South China, Formosa, and Philippines	43.3	19.2	44.3	488.0	201.6	41.3	395.7	90.7	22.9
North China, incl. Shanghai and Japan	949.7	138.7	14.6	748.5	249.8	33.4	389.7	49.9	12.8
Canadian	7,911.0	3,525.1	44.6	9,162.8	4,570.9	49.9	10,120.1	4,177.4	41.3
Pacific Canada	2,945.6	2,280.9	77.4	3,697.0	2,279.9	61.7	3,879.8	1,700.6	43.8
Great Lakes Canada	4,197.8	636.5	15.2	3,392.4	565.1	16.7	5,223.7	1,842.0	35.3
Atlantic Canada and Newfoundland	767.6	607.7	79.2	2,073.3	1,725.9	83.2	1,016.6	634.8	62.4

[1] Preliminary.

[2] Less than 50,000 pounds.

Source: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation, and current summary reports, FT 973.

No. 648.—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. Totals represent sums of unrounded figures; may vary from sums of rounded amounts]

Trade area	1946			1947 [1]			1948 [1]		
	Total	American	Percent American	Total	American	Percent American	Total	American	Percent American
DRY CARGO									
Trade area, total	50,638.9	28,516.1	56.3	64,141.9	34,703.8	54.1	73,319.6	34,404.6	46.9
Foreign except Canadian	37,353.8	24,433.7	65.4	48,771.7	31,212.4	64.0	56,081.5	30,852.3	55.0
Caribbean	11,713.5	7,865.5	67.1	17,058.1	11,666.3	68.4	15,659.4	7,827.9	50.0
East Coast South America	4,438.6	2,687.2	60.5	3,632.0	2,234.4	61.5	4,523.6	2,450.3	54.2
West Coast South America	5,780.3	5,201.7	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	631.3	82.9	13.1	705.9	209.2	29.6	559.5	140.9	25.2
United Kingdom and Eire	705.1	370.1	52.5	1,088.7	349.7	32.1	1,035.2	369.6	35.7
Baltic, Scandinavia, Iceland and Greenland	2,160.2	572.5	26.5	5,139.6	2,186.1	42.5	5,325.1	1,486.0	27.9
Bayonne-Hamburg Range	279.2	163.0	58.4	464.4	199.9	43.0	1,920.6	771.3	40.2
Portugal and Spanish Atlantic Azores, Mediterranean, and Black Sea	558.8	206.1	36.9	500.3	108.3	21.6	523.4	194.6	37.2
West Coast Africa	1,607.3	1,177.7	73.3	2,012.5	1,001.9	49.8	4,392.5	1,785.7	40.7
South and East Africa	1,596.6	795.2	49.8	1,263.7	330.2	26.1	1,144.9	354.8	31.0
Australasia	1,677.5	1,516.5	90.4	1,589.5	1,507.2	94.8	1,719.9	1,551.6	90.2
India, Persian Gulf, and Red Sea	782.8	457.3	58.4	501.2	273.4	54.5	645.2	413.3	64.1
Straits Settlements and Netherlands East Indies	2,799.0	1,541.0	55.1	2,805.2	1,778.4	63.4	2,279.6	1,195.3	52.4
South China, Formosa, and Philippines	574.1	323.5	56.3	1,413.8	877.4	62.1	2,021.8	1,373.5	67.9
North China including Shanghai and Japan	1,109.7	938.4	84.6	2,275.8	1,346.2	59.2	2,866.4	1,455.9	50.8
Canadian	159.1	140.2	88.1	229.5	151.3	65.9	444.8	273.1	61.4
	13,285.1	4,082.4	30.7	15,371.2	3,491.3	22.7	17,238.0	3,552.3	20.6
Pacific Canada	1,256.9	504.3	40.1	1,588.5	564.5	35.5	2,492.6	1,142.0	45.8
Great Lakes Canada	7,251.3	1,999.0	27.6	7,403.1	1,045.5	14.1	6,817.1	1,120.8	16.4
Atlantic Canada and Newfoundland	4,776.9	1,579.1	33.1	6,379.6	1,881.5	29.5	7,928.4	1,289.6	16.3
TANKER CARGO									
Trade area, total	47,728.6	36,162.9	75.8	54,265.5	40,662.1	74.9	61,512.3	46,651.1	75.8
Foreign except Canadian	47,671.9	36,128.5	75.8	54,185.6	40,584.8	74.9	61,431.6	46,586.8	75.8
Caribbean	44,581.5	34,006.7	76.3	49,892.0	37,868.2	75.9	52,030.2	39,979.5	76.8
East Coast South America	55.7	22.0	39.5	59.4	22.5	37.9	.8	----------	----------
West Coast South America	15.0	15.0	100.0	34.1	----------	----------	25.0	----------	----------
West Coast Central America and Mexico	9.7	----------	----------	15.6	----------	----------	17.0	----------	----------
Gulf Coast Mexico	2,283.8	1,376.3	60.3	3,553.6	2,394.9	67.4	2,152.7	1,606.4	74.6
United Kingdom and Eire	17.3	(2)	----------	276.9	20.9	7.5	307.4	79.5	25.8
Baltic, Scandinavia, Iceland, and Greenland	(2)	----------	----------	6.1	----------	----------	28.0	----------	----------
Bayonne-Hamburg Range	.2	(2)	----------	(2)	----------	----------	87.1	4.8	5.5
Portugal and Spanish Atlantic Azores, Mediterranean, and Black Sea	(2)	(2)	100.0	.2	----------	----------	179.1	86.5	48.3
West Coast Africa	----------	----------	----------	----------	----------	----------	----------	----------	----------
South and East Africa	----------	----------	----------	----------	----------	----------	----------	----------	----------
Australasia	(2)	(2)	100.0	----------	----------	----------	4.0	4.0	100.0
India, Persian Gulf, and Red Sea	674.9	674.9	100.0	280.6	212.1	75.6	6,600.2	4,826.2	73.1
Straits Settlements, Netherlands East Indies	33.4	33.4	100.0	66.2	66.2	100.0	----------	----------	----------
South China, Formosa, and Philippines	----------	----------	----------	(2)	----------	----------	(2)	----------	----------
North China including Shanghai and Japan	.3	(2)	----------	1.2	----------	----------	----------	----------	----------
Canadian	56.7	34.4	60.7	80.1	77.5	96.8	80.8	64.3	79.6
Pacific Canada	(2)	(2)	100.0	(2)	(2)	100.0	(2)	----------	----------
Great Lakes Canada	23.9	23.9	100.0	33.6	33.6	100.0	73.9	64.3	87.0
Atlantic Canada and Newfoundland	32.8	10.5	32.0	46.5	43.9	94.4	6.9	----------	----------

[1] Preliminary.

[2] Less than 50,000 pounds.

Source: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation, and current summary reports, FT 973.

No. 649.—Water-Borne Imports and Exports—Shipping Weight on Dry Cargo and Tanker Vessels, by Trade Areas and Countries: 1946

[In millions of pounds. Imports represent general imports; exports cover foreign and domestic merchandise. For definitions of dry cargo and tanker vessels, see p. 524]

Country of lading or unlading	Imports			Exports		
	Total	Dry cargo	Tanker	Total	Dry cargo	Tanker
Grand total	**98,367.6**	**50,638.9**	**47,728.6**	**174,085.1**	**143,719.3**	**30,365.7**
Caribbean	**56,295.0**	**11,713.5**	**44,581.5**	**8,139.2**	**6,935.0**	**1,204.2**
Guatemala, east coast	628.6	628.6	(1)	178.4	162.4	16.0
British Honduras	90.5	90.5	(1)	36.6	36.6	
Honduras, east coast	654.3	654.3		156.1	156.1	
Nicaragua, east coast	35.2	35.2		22.3	19.3	3.0
Costa Rica, east coast	56.7	56.7	(1)	74.1	61.7	12.4
Republic of Panama, east coast	14.6	14.6		14.6	14.6	
Canal Zone	96.3	66.9	29.4	568.4	487.6	80.8
Bermuda	2.1	2.1		50.4	50.4	
Bahamas	7.0	7.0		51.1	51.1	
Cuba	7,808.7	6,896.6	912.1	3,521.7	2,528.8	992.9
Jamaica	40.2	40.2		212.3	212.3	
Haiti	322.5	294.1	28.4	97.7	97.7	
Dominican Republic	490.3	277.5	212.8	347.9	322.5	25.4
Windward Islands	11.8	11.8		7.1	7.1	
Leeward Islands	1.3	1.3		7.9	7.9	
Barbados	8.1	8.1		18.0	18.0	
Trinidad and Tobago	609.7	593.4	16.3	220.5	220.5	(1)
Curacao (N. W. I.)	17,179.1	141.4	17,037.7	274.5	208.0	66.5
French West Indies	8.0	7.0	1.0	131.6	125.6	6.0
Colombia, north coast	3,356.9	342.7	3,014.2	476.4	476.4	(1)
Venezuela	23,499.6	170.1	23,329.5	1,628.7	1,627.6	1.1
British Guiana	103.2	103.2		16.0	16.0	
Surinam (Netherlands Guiana)	1,270.1	1,270.1		23.4	23.4	
French Guiana				3.3	3.3	
East Coast South America	**4,494.3**	**4,438.6**	**55.7**	**8,655.4**	**8,061.8**	**593.6**
Brazil	2,947.7	2,947.7	(1)	5,422.2	5,127.6	294.6
Paraguay	2.6	2.6		.2	.2	
Uruguay	280.5	280.5		724.0	690.1	33.9
Argentina	1,263.6	1,207.9	55.7	2,509.0	2,243.9	265.1
West Coast South America	**5,795.3**	**5,780.3**	**15.0**	**1,783.4**	**1,749.8**	**33.6**
Colombia, west coast	456.6	456.6		310.3	310.3	
Ecuador	74.6	74.6		120.7	120.7	(1)
Peru	533.9	518.9	15.0	585.6	585.6	(1)
Chile	4,730.1	4,730.1		766.8	733.2	33.6
West Coast Central America and Mexico	**790.4**	**780.7**	**9.7**	**641.5**	**318.9**	**322.6**
Mexico, west coast	88.1	78.4	9.7	338.9	50.4	288.5
Guatemala, west coast	36.4	36.4		56.0	30.0	26.0
El Salvador	73.1	73.1		61.7	53.7	8.0
Honduras, west coast	4.0	4.0		12.0	11.9	.1
Nicaragua, west coast	35.8	35.8		38.1	38.1	
Costa Rica, west coast	300.2	300.2		68.0	68.0	
Republic of Panama, west coast	252.7	252.7		66.8	66.8	
Gulf Coast Mexico	**2,915.1**	**631.3**	**2,283.8**	**818.1**	**815.1**	**3.0**
Mexico, east coast	2,915.1	631.3	2,283.8	818.1	815.1	3.0
United Kingdom and Eire	**722.4**	**705.1**	**17.3**	**15,755.1**	**6,320.6**	**9,434.5**
England	597.1	580.0	17.1	15,155.8	5,754.8	9,401.0
Wales	1.6	1.6		89.2	55.7	33.5
Scotland	103.7	103.5	.2	364.1	364.1	
Northern Ireland	16.1	16.0	.1	28.9	28.9	
Eire	4.0	4.0		117.2	117.2	
Baltic, Scandinavia, Iceland, and Greenland	**2,160.2**	**2,160.2**	(1)	**13,469.7**	**11,210.0**	**2,259.7**
Greenland	18.3	18.3		10.8	10.8	
Iceland	33.1	33.1		80.3	80.3	
Sweden	1,041.2	1,041.2	(1)	4,892.7	3,818.0	1,074.7
Norway	530.1	530.1		2,452.1	2,255.5	196.6
Denmark	32.3	32.3	(1)	2,785.7	2,278.0	507.7
Finland	296.8	296.8		994.4	842.9	151.5
Estonia	(1)	(1)				
Latvia	11.7	11.7		30.4	30.4	
Poland and Danzig	2.7	2.7		1,905.6	1,576.3	329.3
U. S. S. R. (Russia), west	193.7	193.7		317.8	317.8	(1)
Bayonne-Hamburg Range	**279.4**	**279.2**	**.2**	**33,545.0**	**29,098.9**	**4,446.1**
Netherlands	69.6	69.6		6,694.0	5,872.1	821.9
Belgium and Luxembourg	75.0	75.0		7,396.8	6,655.0	741.8
France, Atlantic	130.7	130.5	.2	17,683.2	14,928.4	2,754.8
Germany, North Sea	4.0	4.0		1,771.0	1,643.4	127.6

1 Less than 50,000 pounds.

No. 649.—Water-Borne Imports and Exports—Shipping Weight on Dry Cargo and Tanker Vessels, by Trade Areas and Countries: 1946—Continued

[In millions of pounds]

Country of lading or unlading	Imports			Exports		
	Total	Dry cargo	Tanker	Total	Dry cargo	Tanker
Portugal and Spanish Atlantic	558.8	558.8		2,128.1	1,821.2	306.9
Spain, Atlantic	308.7	308.7		505.8	241.6	264.2
Portugal	250.1	250.1		1,622.2	1,579.6	42.6
Azores, Mediterranean and Black Sea	1,607.3	1,607.3	(1)	26,985.6	25,825.9	1,159.7
France, Mediterranean	12.9	12.9		3,551.6	3,047.4	504.2
U. S. S. R. (Russia), Black Sea	548.1	548.1		906.0	880.6	25.4
Azores	1.6	1.6		5.2	5.2	
Spain, Mediterranean	46.0	46.0	(1)	347.0	208.6	138.4
Gibraltar	3.9	3.9	(1)	18.7	18.7	
Malta				6.6	6.6	
Cyprus	7.9	7.9		.8	.8	
Italy	358.2	358.2	(1)	16,204.8	15,993.8	211.0
Aegean Islands	2.2	2.2		17.8	17.8	
Yugoslavia	.8	.8		682.2	682.2	
Greece	38.4	38.4		1,751.3	1,751.3	
Crete				(1)	(1)	
Rumania	.9	.9		3.4	3.4	
Bulgaria	3.6	3.6		14.4	14.4	
Turkey	200.6	200.6		279.2	230.5	48.7
Syria	21.6	21.6		71.5	71.5	
Palestine and Trans-Jordan	2.7	2.7		108.6	108.6	
Tangier	7.7	7.7		33.3	33.3	
Algeria	200.6	200.6		2,125.5	1,944.9	180.6
Tunisia	70.7	70.7		369.3	337.4	31.9
Libya	1.6	1.6				
Egypt, Mediterranean	77.0	77.0		479.3	459.8	19.5
Spanish Africa, n. e. s	(1)	(1)		9.1	9.1	
West Coast Africa	1,596.6	1,596.6		1,515.6	1,116.5	399.1
French Morocco	61.3	61.3		903.5	504.4	399.1
Canary Islands	(1)	(1)		17.9	17.9	
Cameroon	20.6	20.6		19.2	19.2	
French Equatorial Africa	(1)	(1)		14.5	14.5	
Dahomey				.1	.1	
Ivory Coast	17.9	17.9		1.4	1.4	
Senegal	1.4	1.4		211.4	211.4	
Togo	2.0	2.0				
Gold Coast	1,060.0	1,060.0		23.9	23.9	
Nigeria	124.7	124.7		28.3	28.3	(1)
Gambia	(1)	(1)				
Sierre Leone	70.9	70.9		6.5	6.5	
Madeira Islands	3.0	3.0		66.7	66.7	
Cape Verde Islands	(1)	(1)		52.3	52.3	
Portuguese Guiana and Angola	77.8	77.8		21.7	21.7	
Liberia	79.5	79.5		33.3	33.3	
Belgian Congo	77.6	77.6		114.8	114.8	
South and East Africa	1,677.5	1,677.5		1,813.8	1,476.4	337.4
St. Helena and dependencies	(1)	(1)				
Mauritius and dependencies	(1)	(1)		.5	.5	
Kenya	39.7	39.7		39.6	39.6	
Tanganyika	56.9	56.9		7.7	7.7	
Mozambique	744.0	744.0		279.3	191.0	88.3
Madagascar	16.0	16.0		30.1	30.1	
Reunion Island	(1)	(1)				
Union of South Africa	819.7	819.7		1,456.7	1,207.5	249.2
Southwest Africa	1.2	1.2				
Australasia	782.8	782.8	(1)	2,414.6	1,455.6	959.0
Australia	533.9	533.9	(1)	1,407.5	884.1	523.4
Tasmania	23.6	23.6				
New Guinea	3.8	3.8				
New Zealand	118.7	118.7		910.9	527.2	383.7
Samoa Island	8.4	8.4		.1	.1	
British Oceania	23.4	23.4		47.8	4.9	42.9
French Oceania	63.5	63.5		47.3	38.4	8.9
Japanese Mandated Islands	7.7	7.7		.8	.8	
India, Persian Gulf, and Red Sea	3,473.9	2,799.0	674.9	2,801.0	2,800.6	.4
Iraq (Mesopotamia)	73.1	73.1		20.8	20.8	
Iran (Persia)	57.0	22.8	34.2	60.8	60.8	(1)
Kuwait	35.1	.5	34.6	8.4	8.4	
Saudi Arabia	397.6	.3	397.3	159.2	159.2	
Arabia Peninsula States	.1	.1				
Aden	12.6	12.6		21.6	21.6	
State of Bahrein	210.1	1.3	208.8	16.8	16.8	(1)

[1] Less than 50,000 pounds.

No. 649.—Water-Borne Imports and Exports—Shipping Weight on Dry Cargo and Tanker Vessels, by Trade Areas and Countries: 1946—Continued

[In millions of pounds]

Country of lading or unlading	Imports			Exports		
	Total	Dry cargo	Tanker	Total	Dry cargo	Tanker
India, Persian Gulf, etc.—Con.						
India and dependencies	2,540.2	2,540.2	(1)	2,386.3	2,385.9	0.4
Ceylon	121.9	121.9		85.8	85.8	
Burma	1.4	1.4		29.8	29.8	
Egypt, Red Sea	.1	.1		2.6	2.6	
Anglo-Egyptian Sudan	21.4	21.4		4.9	4.9	
Eastern Italian Africa	1.6	1.6		.9	.9	
French Somaliland	1.6	1.6		3.1	3.1	
Straits Settlements and Netherlands East Indies	607.4	574.1	33.4	505.3	503.4	1.9
British Malaya	560.3	526.9	33.4	209.9	208.0	1.9
Netherlands Indies	47.2	47.2		295.4	295.4	
South China, Formosa, and Philippines	*1,109.7*	*1,109.7*		*2,746.9*	*2,703.6*	*43.3*
Thailand (Siam)	3.3	3.3		39.9	39.6	.3
French Indo-China	152.9	152.9		139.6	139.6	
Republic of the Philippines	908.4	908.4		1,943.4	1,900.4	43.0
China	(1)	(1)		32.8	32.8	
Hong Kong	45.0	45.0		579.7	579.7	
Formosa (Taiwan)				11.6	11.6	
North China, including Shanghai, and Japan	159.4	159.1	.3	5,981.1	5,031.4	949.7
U. S. S. R. (Russia)	4.5	4.2	.3	971.4	285.0	686.4
China	56.4	56.4	(1)	4,592.9	4,329.6	263.3
Manchuria (Manchukuo)				.4	.4	
Korea (Chosen)	(1)	(1)		4.0	4.0	
Japan	98.5	98.5		412.3	412.3	
Pacific Canada	1,256.9	1,256.9	(1)	3,133.2	187.6	2,945.6
Canada, west	1,256.9	1,256.9	(1)	3,133.2	187.6	2,945.6
Great Lakes, Canada	7,275.2	7,251.3	23.9	34,751.2	30,553.4	4,197.8
Canada, central	7,275.2	7,251.3	23.9	34,751.2	30,553.4	4,197.8
Atlantic Canada and Newfoundland	4,809.7	4,776.9	32.7	6,501.2	5,733.6	767.6
Canada, east	4,216.4	4,183.7	32.7	6,013.3	5,282.4	730.9
Newfoundland	*593.2*	*593.2*		*487.8*	*451.2*	*36.6*
Miquelon and St. Pierre				(1)	(1)	

[1] Less than 50,000 pounds.

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

No. 650.—Vessels Entered and Cleared in Foreign Trade—Net Registered Tonnage: 1840 to 1949

[**In thousands of net tons.** Excludes domestic trade. For definition of net registered tonnage and vessel entrances and clearances, see general note, p. 524. Figures cover years ending June 30 to and including 1918, calendar years thereafter. Seaports include all ports except northern border ports; see table 651. See also *Historical Statistics*, series K 146–157]

Yearly average or year	Entered		Cleared		Yearly average or year	Entered		Cleared	
	Seaports	Other ports	Seaports	Other ports		Seaports	Other ports	Seaports	Other ports
1840 [1]	1,788	501	1,861	402	1931–1935	54,928	10,462	55,214	10,351
1850	3,169	1,179	3,167	1,194	1936–1940	55,521	11,595	56,967	11,575
1860	5,000	3,275	5,257	3,533	1941–1945	52,620	15,374	56,304	15,489
1870	6,270	2,886	6,362	2,807					
1871–1875	8,462	2,997	8,514	2,994	1937	59,980	11,580	61,177	11,704
1876–1880	12,134	2,792	12,197	2,807	1938	59,223	11,293	60,004	11,222
1881–1885	13,604	2,931	13,781	2,917	1939	57,973	11,019	59,218	11,088
1886–1890	13,479	2,602	13,655	2,593	1940	45,393	13,151	48,996	13,176
1891–1895	16,801	2,816	16,965	2,876	1941	42,616	16,445	46,142	16,454
1896–1900	20,931	3,989	21,077	4,007	1942	28,258	15,684	31,976	15,730
1901–1905	24,551	5,939	24,633	5,918	1943	44,739	16,345	50,232	16,484
1906–1910	29,651	8,072	29,156	8,036	1944	66,305	15,555	71,717	15,068
1911–1915	36,035	11,879	35,954	12,061	1945	81,182	12,339	81,452	13,107
					1946	69,520	10,738	66,376	10,849
1915–1920 [2]	38,071	13,440	40,137	13,511	1947 [3]	80,856	12,907	84,489	12,617
1921–1925	52,959	13,334	53,578	13,075	1948 [3]	76,910	14,023	75,714	13,735
1926–1930	63,708	15,293	64,441	15,319	1949 [3]	74,701	10,999	73,063	11,223

[1] Year ending Sept. 30. [2] Average for period July 1, 1915, to Dec. 31, 1920.
[3] 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. 651.—Vessels Entered and Cleared in Foreign Trade—Net Registered Tonnage by Regions, 1911 to 1949, and by Customs Districts, 1946 to 1949

[In thousands of net tons. See headnote, table 650]

Customs district	1946		1947 [1]		1948 [1]		1949 [1]	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	80,258	77,225	93,763	97,107	90,927	89,449	85,700	84,286
Seaports, total	69,520	66,376	80,856	84,489	76,910	75,714	74,701	73,063
North Atlantic coast, total	31,787	27,838	32,115	32,245	33,454	32,425	34,669	33,711
Maine, New Hampshire	1,673	1,275	1,365	1,172	1,786	1,547	1,851	1,518
Massachusetts	2,734	1,352	3,050	1,354	3,043	1,695	3,391	2,195
Rhode Island	259	202	276	360	389	458	301	420
Connecticut	141	117	227	217	147	213	153	374
New York	21,298	19,194	20,103	22,807	21,795	24,184	21,454	23,657
Philadelphia	5,681	5,098	7,094	6,333	6,296	4,320	7,519	5,547
South Atlantic coast, total	12,259	13,444	20,750	21,956	16,059	16,072	12,977	13,195
Maryland	5,424	6,075	8,588	8,102	6,147	5,197	5,879	4,738
Virginia	4,378	4,614	9,119	10,760	6,691	7,969	4,495	5,859
North Carolina	45	126	77	56	106	119	96	84
South Carolina	1,043	1,154	1,442	1,174	1,170	734	703	497
Georgia	800	662	699	574	755	544	567	516
Puerto Rico	432	616	505	889	717	1,104	894	1,120
Virgin Islands [2]	136	197	329	343	473	397	343	381
Gulf coast, total	14,684	15,080	16,686	18,117	16,501	16,516	15,719	14,860
Florida	1,935	2,124	2,551	2,993	2,228	2,229	2,224	2,328
Mobile	2,600	1,500	2,496	1,931	2,611	1,505	2,243	1,019
New Orleans	4,426	3,947	5,393	5,722	5,367	5,926	4,709	5,560
Sabine	1,353	1,875	1,528	2,048	1,505	1,736	1,890	1,301
Galveston	4,370	5,635	4,719	5,428	4,793	5,115	4,653	4,652
Mexican border, Laredo	254	233	414	356	388	312	343	340
Pacific coast, total	10,536	9,779	10,877	11,810	10,493	10,380	10,993	10,957
Washington	2,088	1,745	2,414	2,319	2,578	2,348	2,739	2,453
Oregon	1,088	915	1,315	1,580	935	785	1,490	1,237
San Francisco	3,104	3,464	2,649	3,551	2,487	2,905	1,921	2,814
Los Angeles	2,281	2,331	3,100	3,197	3,122	2,976	3,360	3,101
Alaska	216	251	290	321	375	332	343	400
Hawaii	1,527	1,041	844	810	817	999	928	915
San Diego	232	32	259	34	181	28	203	37
Northern border, total	10,738	10,849	12,907	12,617	14,023	13,735	10,999	11,223
St. Lawrence	92	40	117	45	150	33	80	48
Rochester	1,250	1,287	1,740	1,728	1,648	1,580	951	933
Buffalo	469	245	596	291	640	265	688	444
Ohio	5,198	6,466	5,580	6,888	5,849	7,629	4,367	6,005
Michigan	1,518	1,114	1,974	1,701	1,987	1,817	1,943	1,677
Chicago	264	749	438	919	313	954	507	827
Wisconsin	247	288	256	319	262	237	266	192
Duluth and Superior	1,700	658	2,205	721	3,178	1,211	2,197	1,097

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	24,293	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	14,908	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	18,307	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	44,046	25,362	14,684	5,494	10,536	5,317	254	10,738	2,325
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
1949 [1]	47,646	39,408	15,719	9,193	10,993	7,495	343	10,999	2,957
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	13,304	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	41,282	27,048	15,080	13,006	9,779	7,629	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
1949 [1]	46,906	30,230	14,860	12,536	10,957	9,846	340	11,223	9,382

[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. 652.—Vessels Entered in Foreign Trade—Net Registered Tonnage, by Classes: 1881 to 1949

[**All figures except number of vessels and percentages in thousands of net tons.** See headnote, table 650. 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
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	33,036	68,544	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	36,040	61,084	29,292	31,792	48.0	44,739	37	44,702	23,792	20,947
1944	40,334	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	48,082	80,258	53,045	27,213	66.1	69,520	24	69,496	36,348	33,172
1947 [2]	50,446	93,763	53,602	40,169	57.2	80,856	[3]	[3]	43,843	37,005
1948 [2]	50,238	90,927	47,726	43,199	52.5	76,910	[3]	[3]	51,044	25,866
1949 [2]	48,368	85,700	41,251	44,451	48.1	74,701	[3]	[3]	56,403	18,299

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	1,580
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
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	15,084	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	49,143	23,437	20,378	12,911	70.7	10,738	3,902	6,835	2,324
1947 [2]	49,007	26,001	31,841	17,842	60.6	12,907	4,582	8,325	2,581
1948 [2]	43,270	28,107	33,640	22,937	56.3	14,023	4,457	9,568	2,900
1949 [2]	37,626	27,479	37,076	28,924	50.4	10,999	3,625	7,375	2,957

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

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

No. 653.—Vessels Cleared in Foreign Trade—Net Registered Tonnage, by Classes: 1881 to 1949

[All figures except number of vessels and percentages in thousands of net tons. See headnote, table 650. 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	16,473	3,450	13,023	20.9	13,719	5,363	8,356	12,795	924
1891–1900	31,902	22,463	5,038	17,425	22.4	19,021	3,818	15,203	17,514	1,507
1901–1905	33,863	30,551	6,812	23,739	22.3	24,633	2,621	22,012	22,460	2,173
1906–1910	33,897	37,192	8,282	28,910	22.3	29,156	1,850	27,306	26,768	2,388
1911–1915	38,790	48,015	12,512	35,503	26.1	35,954	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	37,288	34,509	51.9	56,304	41	56,262	45,147	11,157
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	18,820	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	44,464	77,225	49,124	28,101	63.6	66,376	33	66,343	47,828	18,547
1947 [2]	48,345	97,107	54,066	43,042	55.7	84,489	(3)	(3)	67,490	16,999
1948 [2]	46,067	89,449	45,775	43,667	51.2	75,714	(3)	(3)	56,154	19,552
1949 [2]	43,503	84,286	39,681	44,604	47.1	73,063	(3)	(3)	52,759	20,304

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
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	45,113	31,963	21,263	15,865	68.0	10,849	4,012	6,837	9,548
1947 [2]	49,534	38,786	34,955	28,704	58.6	12,617	4,531	8,085	11,240
1948 [2]	41,348	29,840	34,358	26,314	54.6	13,735	4,428	9,309	12,339
1949 [2]	36,136	25,446	36,927	27,313	49.5	11,223	3,545	7,677	9,382

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

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

No. 654.—Vessels Entered and Cleared at Seaports in Foreign Trade—Net Registered Tonnage, by Countries of Origin and Destination: 1921 to 1946

[In thousands of net tons. Only traffic by sea is included. For definition of net tonnage, see general note, p. 524]

COUNTRY	1921–1925, average	1926–1930, average	1931–1935, average	1936–1940, average	1941–1945, average	1944	1945	1946
Total by sea:								
Entered	52,959	63,768	54,928	55,521	52,620	66,305	81,182	69,520
Cleared	53,578	64,441	55,214	56,967	56,304	71,717	81,452	66,376
Belgium:								
Entered	1,231	1,560	1,008	940	929	9	4,630	2,918
Cleared	1,190	1,280	1,013	892	348	----	1,739	2,318
Denmark:								
Entered	372	532	451	251	23	----	114	809
Cleared	450	686	402	167	21	----	107	681
France:								
Entered	1,953	2,321	2,027	2,093	1,721	1,050	7,531	6,209
Cleared	2,250	2,475	2,582	2,395	1,016	25	5,008	6,500
Germany:								
Entered	2,998	3,813	3,806	2,530	48	----	241	2,826
Cleared	3,105	3,714	3,235	2,119	50	----	251	2,132
Italy:								
Entered	1,707	2,101	1,909	1,638	1,706	3,949	4,139	4,593
Cleared	1,986	2,023	1,869	1,727	603	766	2,085	5,080
Netherlands:								
Entered	1,654	2,081	1,389	1,804	100	----	493	1,702
Cleared	1,464	1,499	1,050	1,358	107	----	529	1,597
Norway:								
Entered	384	360	379	554	52	----	261	631
Cleared	412	361	269	365	54	----	270	705
Spain:								
Entered	608	850	674	361	210	190	306	454
Cleared	463	612	507	250	139	86	157	283
Sweden:								
Entered	504	681	695	834	132	53	537	1,007
Cleared	353	498	412	604	93	38	297	1,050
United Kingdom:								
Entered	9,378	10,614	6,087	6,422	13,274	22,804	15,611	8,026
Cleared	8,647	10,577	6,147	5,871	11,912	18,362	11,715	5,400
Canada:								
Atlantic coast—[1]								
Entered	1,201	1,607	2,265	2,033	1,110	635	891	1,504
Cleared	1,331	1,709	2,267	2,408	4,775	8,274	5,602	1,325
British Columbia, Yukon—								
Entered	4,571	6,619	6,082	6,551	2,670	3,086	2,026	2,039
Cleared	4,573	6,556	6,878	7,272	3,092	2,832	2,228	2,539
Central America: [2]								
Entered	1,734	2,391	2,368	3,307	2,191	1,399	3,990	3,516
Cleared	1,040	2,692	2,801	4,211	2,535	2,644	3,721	2,837
Mexico:								
Entered	8,100	2,840	1,548	1,932	705	602	704	1,199
Cleared	8,391	2,892	1,755	2,028	780	593	744	1,173
British West Indies, Bermuda, and British Honduras:								
Entered	1,351	1,975	3,210	2,684	897	942	651	649
Cleared	1,435	2,216	3,400	3,172	1,334	1,638	1,140	1,119
Cuba:								
Entered	4,769	5,875	5,435	4,988	3,133	3,388	2,630	2,506
Cleared	4,659	5,832	5,292	4,832	3,012	3,207	2,517	2,895
Dominican Republic:								
Entered	380	713	688	499	283	377	154	212
Cleared	449	920	903	589	342	461	272	398
Haiti:								
Entered	105	220	176	251	128	103	108	169
Cleared	230	204	188	262	135	74	102	204
Argentina:								
Entered	1,006	966	499	828	534	546	434	657
Cleared	707	997	358	494	244	175	205	685
Brazil:								
Entered	552	918	803	937	707	677	792	721
Cleared	913	1,252	924	1,241	882	663	859	1,565
Chile:								
Entered	975	1,337	545	1,039	747	699	841	898
Cleared	793	1,058	507	784	511	372	610	604
Colombia:								
Entered	144	958	1,056	599	633	882	935	871
Cleared	226	966	1,015	1,030	592	705	571	1,167
British India, British Malaya, and Ceylon:								
Entered	576	833	704	691	877	788	997	1,231
Cleared	330	428	289	279	1,245	2,009	1,829	569

[1] Beginning 1936 includes maritime provinces only.
[2] Not including British Honduras.

No. 654.—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	1944	1945	1946
China, Hong Kong, and Kwantung:								
Entered	959	1,044	827	805	96	---	106	1,224
Cleared	963	894	562	359	96	---	194	1,556
Japan:								
Entered	1,607	2,320	2,169	2,853	733	---	2,294	2,691
Cleared	2,106	3,284	3,815	4,631	623	---	1,308	2,122
Philippine Islands:								
Entered	408	611	1,012	986	1,110	9	4,534	1,970
Cleared	359	503	466	663	454	---	1,472	1,168
Oceania:								
Entered	509	931	778	693	4,651	7,558	8,242	1,318
Cleared	946	1,396	831	714	2,677	3,399	5,071	1,022
All other countries:								
Entered	3,165	6,649	5,677	6,717	13,220	16,659	16,990	16,910
Cleared	3,149	6,913	5,388	6,299	18,631	25,394	30,849	17,682

No. 655.—Vessels Entered and Cleared at Seaports in Foreign Trade—Net Registered Tonnage, by Nationality of Vessel: 1921 to 1946

[**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 652 and 653 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	1944	1945	1946
Total by sea:								
Entered	52,959	63,768	54,928	55,521	52,620	66,305	81,182	69,520
Cleared	53,578	64,441	55,214	56,967	56,304	71,717	81,452	66,376
American:								
Entered	22,526	23,182	19,855	16,090	30,059	42,196	56,499	49,143
Cleared	22,556	23,338	19,653	16,302	32,585	46,919	56,332	45,113
Total foreign:								
Entered	30,433	40,586	35,074	39,432	22,561	24,109	24,682	20,378
Cleared	31,022	41,102	35,561	40,665	23,718	24,798	25,120	21,263
Belgian:								
Entered	332	374	274	332	143	107	173	280
Cleared	343	370	269	329	158	122	180	263
British:								
Entered	16,807	20,189	15,270	14,506	10,012	11,838	11,016	7,585
Cleared	17,064	20,291	15,373	14,889	10,749	12,319	11,149	7,346
Danish:								
Entered	929	1,136	917	1,040	40	2	199	544
Cleared	928	1,168	902	1,054	41	3	190	575
Dutch:								
Entered	1,300	1,708	1,634	2,322	1,212	1,325	1,326	880
Cleared	1,292	1,809	1,627	2,352	1,235	1,402	1,298	1,057
French:								
Entered	1,492	1,870	1,652	1,852	222	314	438	631
Cleared	1,518	1,905	1,694	1,859	227	323	502	699
German:								
Entered	847	2,654	3,260	2,488	---	---	---	3
Cleared	870	2,736	3,280	2,414	---	---	---	---
Italian:								
Entered	1,490	2,175	1,798	1,690	30	104	29	198
Cleared	1,569	2,150	1,800	1,704	33	104	62	210
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	4,061	4,562	3,489
Cleared	2,784	4,136	4,178	6,839	3,989	4,089	4,680	3,530
Spanish:								
Entered	480	571	459	185	198	183	251	383
Cleared	487	586	457	188	197	188	235	406
Swedish:								
Entered	564	985	1,013	1,206	542	291	818	1,102
Cleared	566	1,005	1,017	1,233	541	280	766	1,245
All other foreign:								
Entered	1,317	2,190	2,252	4,125	5,872	5,884	5,870	5,193
Cleared	1,366	2,206	2,281	4,377	6,148	5,968	6,058	5,932

Source of tables 654 and 655: Department of Commerce, Bureau of the Census; annual report, Foreign Commerce and Navigation of the United States.