15. SOCIAL SECURITY

[Data in this section relate to Continental United States, Alaska, and Hawaii, except as noted]

GENERAL NOTE

Old-age and Survivors Insurance.—Federal old-age and survivors insurance, administered by the Social Security Board under the Social Security Act as amended in August 1939, covers employment in industry and commerce. Specified employments are excepted, notably agricultural labor, domestic service, services for government and for certain types of nonprofit organizations, and self-employment. Beginning January 1940, monthly benefits are payable to qualified workers at age 65 and also to certain dependents of beneficiaries and certain survivors of insured workers. Benefits are based on the legally defined average wage of the insured and are paid from the Federal Old-Age and Survivors Insurance Trust Fund, to which is appropriated annually an amount equal to the total taxes paid by employers and employees under the Federal Insurance Contributions Act. (A separate system, administered by the Railroad Retirement Board, covers employees of railroads and certain of their subsidiaries and affiliates.)

Unemployment Compensation.—The Federal-State unemployment compensation program provides for payments to persons who are able and willing to work but are unable to find jobs. The contributions collected under State laws are designed to provide a fund to be used solely for this purpose. Employers, and in some States employees also, contribute definite proportions of pay rolls and wages to a special fund, from which qualified unemployed workers may draw benefits, limited as a rule by the amount of their prior employment and the wage rate. Under the Social Security Act the Social Security Board has two statutory responsibilities in the administration of the unemployment-compensation program. It certifies each year to the Secretary of the Treasury, for normal and additional tax-credit purposes, the State laws which conform to the standards prescribed; it also certifies grants to defray necessary costs of administering the State program for those States which, in law and administration, conform to the standards prescribed in Title III of the act. Funds are certified in the amounts determined by the Board to be necessary for the proper administration of State laws.

Public Assistance.—Under the Social Security Act, the Federal Government shares with the States the costs of assistance given to needy persons and families. The assistance in which the Federal and State governments are thus collaborating is of three types: (1) Aid to needy persons aged 65 and over, (2) aid to the needy blind, and (3) aid to dependent children under the age of 16 who have been deprived of parental support. To receive a Federal grant under any one of these programs, a State must submit a plan which can be approved by the Social Security Board as meeting the basic requirements of the act, and, after approval of its plan, must supply with its requests for Federal funds the data required by the Board.

Public assistance under the Social Security Act obviously is related to other forms of public aid maintained by Federal, State, and local governments. The Social Security Board has therefore undertaken, at the request of other governmental agencies and with their cooperation, to report on all public aid to persons in need.

No. 391.—Old-Age Insurance—Number of Employees and Amount of Taxable Wages, by Interval of Earnings and by Age, for the United States: 1937

NOTE.—**Wages in thousands of dollars.** Wage figures in this table and in tables 392 and 393 include 93 percent of the total volume of taxable wages reported as paid in 1937. The number of employees is estimated at 96 percent of the total who earned taxable wages in 1937. Taxable wages are defined as excluding wages of employees 65 years and over, wages earned in excess of $3,000 in the service of any one employer within a year, and wages earned outside the industries covered by the Social Security Act. Figures revised as of April 10, 1939. See also general note above

Interval of earnings per annum	Total [1]		Under 15 years		15 to 19 years	
	Employees	Wages	Employees	Wages	Employees	Wages
Total	**30, 154, 024**	**26, 818, 337**	**46, 797**	**2, 241**	**2, 747, 160**	**723, 848**
$1 to $99	4, 412, 087	170, 761	41, 937	1, 113	1, 061, 658	40, 515
$100 to $199	2, 248, 961	330, 018	3, 766	507	470, 118	68, 104
$200 to $299	1, 801, 661	446, 532	555	132	305, 467	75, 136
$300 to $399	1, 642, 583	572, 186	175	60	223, 776	77, 575
$400 to $499	1, 545, 237	693, 815	81	36	173, 603	77, 569
$500 to $599	1, 520, 498	834, 089	52	28	141, 321	77, 230
$600 to $699	1, 539, 184	997, 468	40	26	116, 328	75, 196
$700 to $799	1, 538, 485	1, 152, 842	27	20	93, 241	69, 586
$800 to $899	1, 393, 962	1, 182, 686	18	16	60, 936	51, 477
$900 to $999	1, 335, 994	1, 265, 962	18	17	39, 456	37, 253
$1,000 to $1,499	5, 269, 258	6, 486, 141	47	56	55, 996	64, 891
$1,500 to $1,999	3, 087, 186	5, 306, 685	22	37	4, 528	7, 436
$2,000 to $2,499	1, 334, 474	2, 951, 636	8	17	439	957
$2,500 to $2,999	604, 894	1, 647, 116	11	30	106	287
$3,000 and over	879, 560	2, 780, 399	40	147	187	635

For note 1, see next page.

No. 391.—Old-Age Insurance—Number of Employees and Amount of Taxable Wages, by Interval of Earnings and by Age, for the United States: 1937—Continued

Interval of earnings per annum	20 to 24 years		25 to 29 years		30 to 34 years		35 to 39 years	
	Employees	Wages	Employees	Wages	Employees	Wages	Employees	Wages
Total	5,680,377	3,304,874	4,975,079	4,188,404	4,090,634	4,265,028	3,882,697	3,834,191
$1 to $99	934,947	37,320	570,920	23,183	397,392	15,065	326,119	13,236
$100 to $199	539,702	79,591	332,010	48,947	227,396	33,487	181,480	26,083
$200 to $299	463,950	115,216	281,648	69,962	193,996	48,166	152,757	37,854
$300 to $399	433,687	151,178	272,360	95,020	187,382	65,342	144,774	50,439
$400 to $499	406,957	182,663	269,451	121,125	183,775	82,606	141,932	63,747
$500 to $599	394,064	216,638	272,532	149,554	188,244	103,423	145,098	79,606
$600 to $699	392,385	254,463	282,522	183,239	197,210	127,848	152,204	98,575
$700 to $799	400,562	300,132	289,700	217,206	202,073	151,464	152,893	114,548
$800 to $899	360,719	305,949	274,478	233,060	188,805	160,294	141,404	120,005
$900 to $999	315,607	298,872	276,105	261,779	189,726	179,854	142,024	134,614
$1,000 to $1,499	828,360	991,525	1,115,442	1,369,100	868,738	1,077,839	655,654	814,589
$1,500 to $1,999	176,288	294,788	516,358	878,310	597,086	1,033,598	506,410	874,409
$2,000 to $2,499	24,071	52,347	147,474	323,592	259,192	572,860	256,651	568,402
$2,500 to $2,999	4,673	12,601	43,980	119,031	106,272	288,818	122,904	334,819
$3,000 and over	3,505	11,589	30,099	95,297	103,347	323,463	160,393	502,666

Interval of earnings per annum	40 to 44 years		45 to 49 years		50 to 54 years		55 to 59 years	
	Employees	Wages	Employees	Wages	Employees	Wages	Employees	Wages
Total	2,837,135	3,404,711	2,360,785	2,841,674	1,726,877	2,032,517	1,188,350	1,343,762
$1 to $99	257,689	10,338	213,030	8,647	160,285	6,508	114,623	4,670
$100 to $199	143,767	21,197	118,629	17,469	90,103	13,275	66,411	9,773
$200 to $299	120,822	29,995	99,510	24,698	75,253	18,699	54,268	13,469
$300 to $399	114,836	40,045	95,622	33,326	70,853	24,698	52,251	18,204
$400 to $499	112,681	50,669	93,921	42,222	70,087	31,509	50,167	22,549
$500 to $599	116,990	64,243	97,198	53,362	71,188	39,074	51,370	28,177
$600 to $699	123,081	79,773	103,164	66,851	75,943	49,185	54,303	35,149
$700 to $799	123,824	92,831	102,338	76,716	76,643	57,466	55,185	41,380
$800 to $899	113,641	96,462	94,954	80,587	70,944	60,090	50,695	43,029
$900 to $999	113,097	107,217	96,623	91,585	72,655	68,850	52,493	49,749
$1,000 to $1,499	539,759	672,146	454,587	565,620	345,699	429,604	242,317	300,384
$1,500 to $1,999	433,277	748,427	354,972	612,681	247,397	426,006	157,379	270,679
$2,000 to $2,499	228,117	505,989	181,383	402,070	121,312	268,860	74,101	164,130
$2,500 to $2,999	115,609	314,987	92,526	252,463	61,057	166,544	37,001	100,957
$3,000 and over	179,945	570,391	162,328	513,376	117,458	372,151	75,786	241,464

Interval of earnings per annum	60 to 64 years		65 to 69 years		70 years and over		Unknown	
	Employees	Wages	Employees	Wages	Employees	Wages	Employees	Wages
Total	718,676	781,110	106,403	70,617	7,704	2,132	285,350	23,228
$1 to $99	71,881	2,091	20,509	815	3,917	123	237,180	5,339
$100 to $199	41,490	6,107	11,324	1,663	1,022	147	21,743	3,067
$200 to $299	34,745	8,619	9,180	2,273	564	140	8,946	2,175
$300 to $399	33,415	11,639	7,948	2,762	454	158	5,050	1,740
$400 to $499	31,856	14,316	7,164	3,214	369	165	3,193	1,425
$500 to $599	32,736	17,940	6,438	3,524	323	176	2,044	1,114
$600 to $699	34,307	22,189	5,916	3,827	201	129	1,580	1,019
$700 to $799	35,295	26,476	5,356	4,009	174	129	1,174	877
$800 to $899	32,000	27,168	4,472	3,791	114	96	782	662
$900 to $999	33,495	31,732	4,005	3,789	97	91	593	561
$1,000 to $1,499	147,807	182,400	12,937	15,681	265	320	1,650	1,987
$1,500 to $1,999	87,480	150,089	5,256	8,969	105	181	628	1,075
$2,000 to $2,499	39,216	86,856	2,257	4,993	39	88	214	473
$2,500 to $2,999	19,566	53,344	1,058	2,884	20	53	111	300
$3,000 and over	43,387	139,243	2,583	8,426	40	137	462	1,415

[1] Excludes 77,632 employees, holding Railroad Retirement account numbers, and their taxable wages of $17,473,000; also excludes 267,086 employees, whose sex or race is unknown, and their taxable wages of $40,741,000.

Source: Federal Security Agency, Social Security Board, Bureau of Old-Age and Survivors Insurance; official records.

No. 392.—Old-Age Insurance—Number of Employees and Amount of Taxable Wages, by Race, Sex, and Age, for the United States: 1937

Note.—Wages in thousands of dollars. See headnote, table 391, and general note, p. 352

Sex and age	Total [1]		White		Negro		Other races	
	Employees	Wages	Employees	Wages	Employees	Wages	Employees	Wages
Total	**30,154,024**	**26,818,337**	**27,862,319**	**25,833,836**	**2,035,945**	**853,794**	**255,760**	**130,708**
Under 15 years	46,797	2,241	42,153	1,995	3,887	195	757	51
15 to 19 years	2,747,160	723,848	2,577,223	701,397	141,512	17,132	28,425	5,318
20 to 24 years	5,680,377	3,304,874	5,299,135	3,196,794	337,246	90,243	43,996	17,837
25 to 29 years	4,975,079	4,188,404	4,568,039	4,024,254	359,966	140,264	47,074	23,886
30 to 34 years	4,090,634	4,265,028	3,735,079	4,086,916	315,478	152,878	40,077	25,233
35 to 39 years	3,382,697	3,834,191	3,061,473	3,657,741	287,510	154,207	33,714	22,244
40 to 44 years	2,837,135	3,404,711	2,616,104	3,277,076	200,826	114,097	20,205	13,537
45 to 49 years	2,360,785	2,841,674	2,202,139	2,750,898	143,048	80,575	15,598	10,200
50 to 54 years	1,726,877	2,032,517	1,624,537	1,975,760	92,418	50,446	9,922	6,311
55 to 59 years	1,188,350	1,343,762	1,120,870	1,308,218	60,990	31,954	6,490	3,590
60 to 64 years	718,676	781,110	683,785	763,499	31,479	15,772	3,412	1,839
65 to 69 years	106,403	70,617	99,034	68,505	6,938	1,965	431	147
70 years and over	7,704	2,132	6,879	2,018	779	108	46	7
Unknown	285,350	23,228	225,869	18,763	53,868	3,957	5,613	507
Total, male	**21,902,992**	**22,482,892**	**19,990,041**	**21,593,218**	**1,701,200**	**771,224**	**211,751**	**118,450**
Under 15 years	41,817	1,940	37,971	1,731	3,294	172	552	37
15 to 19 years	1,661,915	460,751	1,528,531	441,900	114,652	14,911	18,732	3,939
20 to 24 years	3,613,609	2,369,337	3,303,504	2,274,852	276,744	79,641	33,361	14,844
25 to 29 years	3,448,604	3,310,800	3,117,287	3,166,237	290,669	122,904	40,648	21,658
30 to 34 years	3,017,522	3,585,049	2,722,109	3,425,226	260,203	136,365	35,210	23,458
35 to 39 years	2,569,101	3,306,537	2,300,585	3,146,493	239,348	139,373	29,168	20,671
40 to 44 years	2,227,150	3,002,889	2,038,174	2,885,455	171,882	104,905	17,094	12,529
45 to 49 years	1,909,817	2,547,072	1,771,853	2,462,683	124,538	74,871	13,426	9,518
50 to 54 years	1,445,996	1,851,207	1,355,299	1,797,896	81,796	47,314	8,901	5,998
55 to 59 years	1,016,192	1,234,687	955,596	1,201,101	54,728	30,184	5,868	3,403
60 to 64 years	628,430	725,319	596,707	708,555	28,558	14,996	3,165	1,768
65 to 69 years	94,779	65,775	88,042	63,762	6,329	1,871	408	143
70 years and over	6,858	1,951	6,125	1,845	694	100	39	6
Unknown	221,202	19,577	168,258	15,482	47,765	3,618	5,179	477
Total, female	**8,251,032**	**4,335,445**	**7,872,278**	**4,240,618**	**334,745**	**82,570**	**44,009**	**12,258**
Under 15 years	4,980	301	4,182	264	593	22	205	14
15 to 19 years	1,085,245	263,097	1,048,692	259,497	26,860	2,221	9,693	1,379
20 to 24 years	2,066,768	935,537	1,995,631	921,942	60,502	10,602	10,635	2,993
25 to 29 years	1,526,475	877,604	1,450,752	858,017	69,297	17,360	6,426	2,228
30 to 34 years	1,073,112	679,979	1,012,970	661,690	55,275	16,513	4,867	1,775
35 to 39 years	813,596	527,654	760,888	511,248	48,162	14,834	4,546	1,573
40 to 44 years	609,985	401,821	577,930	391,621	28,944	9,192	3,111	1,009
45 to 49 years	450,968	294,602	430,286	288,215	18,510	5,705	2,172	682
50 to 54 years	280,881	181,310	269,238	177,864	10,622	3,132	1,021	314
55 to 59 years	172,158	109,075	165,274	107,117	6,262	1,771	622	187
60 to 64 years	90,246	55,792	87,078	54,945	2,921	776	247	71
65 to 69 years	11,624	4,842	10,992	4,743	609	94	23	5
70 years and over	846	181	754	173	85	8	7	(2)
Unknown	64,148	3,650	57,611	3,281	6,103	340	434	30

[1] See note 1, table 391.
[2] Less than $500.

Source: Federal Security Agency, Social Security Board, Bureau of Old-Age and Survivors Insurance; official records.

No. 393.—Old-Age Insurance—Number of Employees and Amount of Taxable Wages, by Race, by States and Territories: 1937

Note.—Wages in thousands of dollars. See headnote, table 391, and general note, p. 352

State and Territory	Total [1]		White		Negro		Other races	
	Employees	Wages	Employees	Wages	Employees	Wages	Employees	Wages
Total	**30, 154, 024**	**26, 818, 337**	**27, 862, 319**	**25, 833, 836**	**2, 035, 945**	**853, 794**	**255, 760**	**130, 708**
Alabama	375, 681	230, 986	257, 261	185, 361	118, 299	45, 576	121	49
Alaska	32, 196	27, 251	23, 857	23, 845	12	6	8, 327	3, 401
Arizona	95, 398	71, 673	83, 691	64, 040	2, 885	1, 067	8, 822	6, 565
Arkansas	172, 383	89, 680	134, 185	78, 710	38, 111	10, 929	87	41
California	1, 860, 464	1, 696, 166	1, 765, 106	1, 646, 844	20, 737	10, 582	74, 621	38, 739
Colorado	231, 142	172, 686	225, 667	169, 537	2, 852	1, 387	2, 623	1, 762
Connecticut	578, 451	574, 872	569, 680	569, 141	8, 354	5, 418	417	314
Delaware	72, 443	63, 002	61, 910	59, 468	10, 486	3, 514	47	20
District of Columbia	183, 094	163, 152	142, 853	143, 368	39, 940	19, 601	301	182
Florida	403, 715	211, 267	289, 904	183, 913	113, 579	27, 276	232	78
Georgia	492, 172	276, 415	371, 391	248, 368	120, 683	28, 004	98	44
Hawaii	101, 730	54, 436	19, 654	19, 792	94	43	81, 982	34, 602
Idaho	92, 532	59, 674	91, 937	59, 511	172	57	423	107
Illinois	2, 243, 347	2, 303, 158	2, 137, 508	2, 237, 163	98, 130	59, 856	7, 709	6, 140
Indiana	826, 272	749, 145	791, 874	725, 288	32, 237	21, 595	2, 161	2, 262
Iowa	376, 205	272, 831	371, 296	270, 116	4, 377	2, 371	532	344
Kansas	277, 188	194, 702	266, 314	189, 249	9, 364	4, 534	1, 510	919
Kentucky	374, 360	256, 504	329, 755	238, 890	44, 520	17, 547	85	66
Louisiana	373, 978	239, 112	259, 304	204, 035	114, 326	34, 929	348	148
Maine	217, 410	143, 992	216, 678	143, 748	389	164	343	81
Maryland	456, 657	381, 336	384, 201	348, 527	72, 276	32, 690	180	119
Massachusetts	1, 333, 082	1, 243, 475	1, 320, 718	1, 236, 012	11, 252	6, 781	1, 112	682
Michigan	1, 545, 163	1, 703, 428	1, 479, 824	1, 648, 242	61, 505	52, 078	3, 834	3, 108
Minnesota	491, 199	414, 852	487, 859	413, 219	2, 107	1, 141	1, 233	492
Mississippi	196, 628	81, 179	117, 953	63, 467	78, 516	17, 686	159	26
Missouri	768, 349	641, 648	719, 867	618, 594	47, 450	22, 442	1, 032	612
Montana	100, 248	85, 435	99, 129	84, 821	290	140	829	474
Nebraska	185, 103	127, 478	180, 689	125, 341	3, 949	1, 894	465	242
Nevada	30, 628	26, 135	29, 718	25, 552	217	97	688	486
New Hampshire	136, 114	101, 407	135, 718	101, 250	347	134	49	22
New Jersey	1, 154, 758	1, 146, 265	1, 094, 307	1, 113, 877	59, 570	31, 736	881	653
New Mexico	64, 533	43, 658	60, 074	41, 349	995	356	3, 464	1, 952
New York	4, 055, 646	4, 225, 043	3, 931, 487	4, 148, 051	114, 043	69, 817	10, 116	7, 174
North Carolina	608, 605	350, 294	465, 892	311, 244	142, 349	38, 957	364	94
North Dakota	55, 546	33, 999	55, 361	33, 938	45	14	140	48
Ohio	1, 901, 958	1, 948, 946	1, 821, 523	1, 897, 316	78, 999	50, 463	1, 436	1, 167
Oklahoma	322, 144	245, 179	302, 788	239, 410	16, 587	4, 595	2, 769	1, 174
Oregon	257, 147	205, 548	254, 930	204, 377	386	199	1, 831	972
Pennsylvania	2, 705, 998	2, 650, 666	2, 602, 832	2, 580, 894	101, 560	68, 397	1, 606	1, 375
Rhode Island	240, 674	210, 131	238, 601	209, 019	1, 699	867	374	244
South Carolina	313, 236	162, 111	226, 431	143, 317	86, 726	18, 765	79	29
South Dakota	63, 400	39, 903	63, 081	39, 802	108	42	211	59
Tennessee	470, 893	286, 398	380, 610	258, 261	90, 197	28, 110	86	27
Texas	1, 129, 977	777, 706	970, 799	725, 342	133, 824	43, 255	25, 354	9, 109
Utah	105, 308	81, 733	104, 372	80, 954	281	103	655	677
Vermont	74, 735	54, 941	74, 508	54, 842	196	78	31	20
Virginia	456, 425	302, 421	342, 539	263, 975	113, 708	38, 368	178	78
Washington	424, 278	368, 562	418, 504	364, 980	1, 245	640	4, 529	2, 943
West Virginia	405, 115	366, 596	372, 401	339, 477	32, 564	26, 981	150	138
Wisconsin	669, 723	621, 584	665, 851	618, 767	3, 166	2, 379	706	438
Wyoming	50, 598	39, 575	49, 927	39, 231	241	131	430	213

[1] See note 1, table 391.

Source: Federal Security Agency, Social Security Board, Bureau of Old-Age and Survivors Insurance; official records.

No. 394.—Unemployment Compensation—Subject Employers and Workers With Wage Credits Under State Unemployment Compensation Systems, by States, as of May 31, 1938

Note.—Figures are estimates (subject to revision) based on data reported by State agencies. See general note, p. 352

State and Territory	Size-of-firm inclusion (number of employees)	Number of employers	Number of workers	State	Size-of-firm inclusion (number of employees)	Number of employers	Number of workers
Total		673,466	27,795,000	Missouri	8 or more	10,600	650,000
				Montana	1 do	8,600	115,000
Alabama	8 or more	4,100	325,000	Nebraska	8 do	3,300	120,000
Alaska	8 do	500	23,000	Nevada	1 do	2,500	30,000
Arizona	3 do	3,100	78,000	New Hampshire	4 do	3,000	125,000
Arkansas	1 do	14,900	155,000	New Jersey	8 do	14,800	1,000,000
California	4 do	38,000	1,700,000	New Mexico	4 do	2,000	70,000
Colorado	8 do	4,300	200,000	New York	4 do	97,600	4,000,000
Connecticut	5 do	8,300	485,000	North Carolina	8 do	6,800	700,000
Delaware	1 do	4,800	63,000	North Dakota	8 do	1,100	42,000
Dist. of Columbia	1 do	14,900	180,000	Ohio	3 do	44,400	1,720,000
Florida	8 do	4,400	255,000	Oklahoma	8 do	5,100	324,000
Georgia	8 do	6,600	390,000	Oregon	4 do	7,400	225,000
Hawaii	1 do	3,900	119,000	Pennsylvania	1 do	139,300	3,100,000
Idaho	1 do	8,000	110,000	Rhode Island	4 do	5,500	226,000
Illinois	8 do	27,266	1,620,000	South Carolina	8 do	3,500	292,000
Indiana	8 do	9,000	838,000	South Dakota	8 do	1,200	45,000
Iowa	8 do	5,900	310,000	Tennessee	8 do	4,500	450,000
Kansas	8 do	4,300	245,000	Texas	8 do	13,300	800,000
Kentucky	4 do	7,400	380,000	Utah	4 do	2,500	90,000
Louisiana	8 do	6,700	412,000	Vermont	8 do	1,100	70,000
Maine	8 do	2,900	240,000	Virginia	8 do	5,800	450,000
Maryland	4 do	11,000	475,000	Washington	8 do	6,400	300,000
Massachusetts	8 do	17,500	1,332,000	West Virginia	8 do	3,300	350,000
Michigan	8 do	15,800	1,300,000	Wisconsin	7 do	7,900	500,000
Minnesota	1 do	40,600	567,000	Wyoming	1 do	4,800	49,000
Mississippi	8 do	3,000	150,000				

No. 395.—Unemployment Compensation—Number and Amount of Benefit Payments, by States: 1938

Note.—Payments in thousands of dollars. Data reported by State agencies. See general note, p. 352

State	Month and year in which benefits first payable	Calendar year 1938		State	Month and year in which benefits first payable	Calendar year 1938	
		Number of payments	Amount of payments			Number of payments	Amount of payments
Total		38,075,709	[1] 396,400	New Hampshire	Jan. 1938	324,246	2,734
				New Mexico	Dec. 1938	1,017	9
Alabama	Jan. 1938	1,163,327	8,131	New York	Jan. 1938	7,417,119	89,334
Arizona	do	161,623	1,906	North Carolina	do	1,140,497	8,211
California	do	2,485,911	23,748	Oklahoma	Dec. 1938	6,739	71
Connecticut	do	1,216,009	12,259	Oregon	Jan. 1938	532,712	5,921
Dist. of Columbia	do	196,059	1,673	Pennsylvania	do	6,408,304	71,628
Idaho	Sept. 1938	34,148	366	Rhode Island	do	1,069,584	9,433
Indiana	Apr. 1938	1,466,610	16,309	South Carolina	July 1938	112,986	595
Iowa	July 1938	280,239	2,556	Tennessee	Jan. 1938	867,015	6,146
Louisiana	Jan. 1938	554,212	4,007	Texas	do	1,051,219	9,423
Maine	do	566,558	4,525	Utah	do	219,195	2,463
Maryland	Jan. 1938	1,125,215	10,149	Vermont	do	94,775	822
Massachusetts	do	2,563,871	27,228	Virginia	do	805,297	5,640
Michigan	July 1938	2,958,093	39,907	West Virginia	do	1,256,577	12,067
Minnesota	Jan. 1938	793,070	8,200	Wisconsin	July 1936	963,251	9,524
Mississippi	Apr. 1938	240,231	1,416				

[1] Represents gross payments and contains no adjustments for voided or returned benefit checks.

Sources of tables 394 and 395: Federal Security Agency, Social Security Board, Bureau of Employment Security; Annual Report of Social Security Board and official records.

No. 396.—Unemployment Compensation—Number of Initial Claims Received by State Agencies, by Months: 1938

Note.—An initial claim, which may be either a new or additional claim, represents the notice by the worker to the agency of the beginning of a period of total or partial employment. Data reported by State agencies, corrected to May 22, 1939. See general note, p. 352

State	Date benefits first payable	Total	January	February	March	April	May	June	July	August	September	October	November	December
Total, States reporting		**9,484,604**	**2,151,534**	**704,808**	**673,013**	**750,394**	**742,410**	**725,103**	**901,039**	**653,022**	**501,496**	**532,761**	**540,579**	**608,445**
Total, States reporting in which benefits were payable in January		**8,444,568**	**2,151,534**	**704,808**	**673,013**	**710,518**	**702,056**	**683,870**	**549,608**	**467,707**	**403,120**	**455,982**	**465,670**	**476,682**
Alabama	Jan. 1938	201,217	57,281	21,256	16,855	16,594	18,263	16,438	11,208	9,970	7,544	10,734	8,444	6,630
Arizona	Jan. 1938	30,637	5,866	3,110	2,671	2,881	2,474	2,090	2,215	2,479	1,978	1,707	1,383	1,783
California	Jan. 1938	693,720	140,144	54,547	60,959	46,133	41,457	46,452	48,709	45,626	44,677	51,932	56,018	57,066
Connecticut	Jan. 1938	354,735	93,128	25,887	29,701	48,202	30,358	31,984	23,920	18,893	12,559	13,308	12,093	14,702
District of Columbia	Jan. 1938	43,991	18,384	3,202	2,506	2,566	2,310	2,355	2,176	2,055	1,720	2,500	2,081	2,136
Idaho	Sept. 1938	18,965									4,686	3,392	4,224	6,663
Indiana [1]	Apr. 1938	225,806				27,968	33,246	33,318	22,077	46,477	19,476	12,673	11,301	19,270
Iowa	July 1938	82,355							21,778	10,860	8,832	8,475	12,229	20,181
Louisiana	Jan. 1938	134,365	18,615	9,759	10,467	12,829	12,616	12,620	12,805	9,628	8,193	9,022	9,516	8,295
Maine	Jan. 1938	126,102	26,000	12,092	12,237	5,354	9,364	13,618	10,227	3,683	6,605	9,656	7,769	9,497
Maryland	Jan. 1938	288,648	72,299	20,581	29,317	33,001	28,489	32,441	27,779	23,519	[1] 4,932	[1] 5,528	[1] 5,521	[1] 5,241
Massachusetts	Jan. 1938	626,965	195,631	46,736	41,461	42,679	41,200	56,814	33,146	31,026	32,454	37,226	34,864	33,728
Michigan	July 1938	584,142							290,285	112,449	57,637	41,531	34,503	47,737
Minnesota	Jan. 1938	179,693	56,702	16,300	13,769	17,333	10,774	10,660	8,355	7,538	8,839	8,523	10,043	10,857
Mississippi	Apr. 1938	67,639				11,908	7,108	7,915	6,946	8,046	4,310	6,442	8,296	6,668
New Hampshire	Jan. 1938	117,042	25,939	6,602	8,143	8,140	10,185	12,439	9,275	4,677	5,695	10,521	7,571	7,855
New Mexico	Dec. 1938	4,394												4,394
New York	Jan. 1938	2,589,806	546,789	196,987	198,609	221,255	237,065	229,651	169,381	148,049	144,127	159,836	172,902	165,155
North Carolina	Jan. 1938	400,445	103,665	49,909	33,644	40,305	34,306	26,369	24,166	16,408	13,380	19,102	19,118	20,073
Oklahoma	Dec. 1938	22,325												22,325
Oregon	Jan. 1938	188,320	44,532	15,406	15,078	16,942	15,280	12,396	11,498	7,921	7,797	11,220	12,127	18,123
Pennsylvania [1]	Jan. 1938	1,090,431	442,273	106,999	87,616	75,671	84,478	71,860	67,031	48,101	29,574	24,356	24,036	28,436
Rhode Island	Jan. 1938	192,032	67,731	18,864	14,283	12,693	13,776	11,653	7,466	9,264	10,159	8,208	7,999	9,936
South Carolina	July 1938	34,410							10,345	7,483	3,435	4,266	4,356	4,525
Tennessee	Jan. 1938	194,246	45,220	15,308	13,063	15,223	23,253	14,599	15,395	11,239	9,960	10,251	10,426	10,309
Texas	Jan. 1938	316,759	37,653	23,182	21,479	27,835	26,741	26,065	24,654	25,130	22,015	26,401	28,507	27,097
Utah	Jan. 1938	58,683	12,310	4,827	3,718	7,111	4,434	6,554	4,579	2,938	2,486	2,502	3,055	4,119
Vermont	Jan. 1938	29,870	8,692	3,081	2,649	2,342	2,358	2,062	1,630	1,266	1,340	1,138	1,229	2,083
Virginia	Jan. 1938	148,933	34,099	11,566	12,112	15,625	17,439	13,749	10,426	6,896	5,437	7,091	7,148	7,345
West Virginia	Jan. 1938	187,947	69,860	19,147	25,509	22,225	15,759	10,243	6,768	5,355	3,929	3,052	2,864	3,236
Wisconsin	July 1936	250,031	28,721	19,460	17,167	17,579	19,677	20,758	16,799	26,046	17,720	22,168	20,956	22,980

[1] New claims only; excludes additional claims.

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security; official records.

No. 397.—State Unemployment Compensation Funds—Total Funds Available for Benefits, Contributions Deposited, Interest Credited, and Benefits Charged, by States: 1938

Note.—In thousands of dollars. All data reported by State agencies, except interest which is reported by U. S. Treasury. See general note, p. 352

State	Month and year benefits first payable	Total funds available for benefits as of Dec. 31, 1938 [1]	Cumulative collections and interest credited			Contributions collected since benefits first payable	Benefits charged to State benefit-payment account [4]
			Total	Cumulative collections [2]	Interest credited [3]		
Total		878,734	1,074,665	1,052,848	21,817	481,655	393,668
States on a monthly contribution basis, total		295,544	450,577	441,195	9,382	220,037	152,770
District of Columbia	Jan. 1938	10,783	12,455	12,153	302	6,362	1,672
Louisiana [5]	do	12,804	16,811	16,475	336	8,917	4,007
Mississippi	Apr. 1938	3,347	4,761	4,661	100	1,793	1,414
New Hampshire	Jan. 1938	4,350	7,082	6,936	146	2,747	2,732
New York	do	138,960	226,291	221,999	4,292	125,238	87,331
North Carolina	do	11,195	19,411	19,070	341	9,781	8,216
Oklahoma	Dec. 1938	13,202	13,273	12,954	319	557	71
Oregon	Jan. 1938	6,080	11,996	11,775	221	6,015	5,916
Rhode Island [5]	do	6,960	16,253	15,993	260	8,168	9,293
South Carolina	July 1938	7,862	8,457	8,251	206	2,106	595
Texas	Jan. 1938	32,783	42,127	41,236	891	21,741	9,344
Vermont	do	2,041	2,863	2,810	53	1,415	822
West Virginia	do	7,217	19,282	19,020	262	8,928	12,065
Wisconsin	July 1936	37,960	49,515	47,862	1,653	[6] 16,269	[7] 9,292
States on a quarterly contribution basis, total		583,190	624,088	611,653	12,435	261,618	240,898
Alabama [5]	Jan. 1938	7,402	15,530	15,237	293	6,507	8,128
Arizona	do	1,937	3,839	3,774	65	1,783	1,902
California [5]	do	107,637	131,352	128,494	2,858	62,162	23,715
Connecticut	do	16,266	28,520	27,996	524	12,883	12,254
Idaho	Sept. 1938	3,211	3,577	3,491	86	535	366
Indiana	Apr. 1938	22,856	39,165	38,181	984	11,604	16,309
Iowa	July 1938	11,446	14,032	13,734	298	3,937	2,586
Maine	Jan. 1938	2,456	6,992	6,881	111	3,166	4,536
Maryland	do	9,270	19,414	19,117	297	10,154	10,144
Massachusetts [5]	do	51,730	78,829	77,190	1,639	35,951	27,099
Michigan	July 1938	37,723	77,626	76,032	1,594	13,747	39,903
Minnesota	Jan. 1938	16,128	24,289	23,868	421	12,067	8,161
New Mexico	Dec. 1938	2,472	2,481	2,422	59	8	9
Pennsylvania	Jan. 1938	70,585	142,130	139,594	2,536	69,958	71,545
Tennessee	do	8,577	14,721	14,455	266	6,769	6,144
Utah	do	2,241	4,702	4,621	81	2,093	2,461
Virginia	do	11,253	16,889	16,566	323	8,294	5,636

[1] Represents sum of balances at end of month in State clearing account, benefit payment account, and unemployment trust fund account maintained in the U. S. Treasury.

[2] Includes contributions plus penalties and interest collected from employers since contributions were first payable. Figures are adjusted for refunds of contributions and for dishonored contribution checks. Employer contributions of 2.7 percent are collected in all States except the District of Collumbia, Michigan, and New York. In these States, the rate of employer contributions is 3 percent.

[3] Interest earned on funds in State accounts in the unemployment trust fund is credited and reported by the U. S. Treasury in the last month of each quarter.

[4] Adjusted for voided benefit checks.

[5] Employee contributions of 1 percent are collected in Alabama and California; of 0.5 percent in Louisiana; and of 1.5 percent in Rhode Island. Massachusetts has suspended employee contributions on wages earned during the pay-roll months of July 1938 through June 1939.

[6] 1938 collections only. Excludes contributions from governmental units subject to the Act.

[7] Excludes approximately $100,000 in "non-cash items," representing payments to covered workers employed by governmental units.

Source: Federal Security Agency, Social Security Board, Bureau of Employment Security; official records.

No. 398.—Amount of Public Assistance and Earnings of Persons Employed Under Federal Work Programs in Continental United States: 1933 to June 1939

Note.—**In thousands of dollars.** Figures exclude cost of administration; of materials, equipment, and other items incident to operation of work programs. Figures are partly estimated and subject to revision. See general note, p. 352.

Year and month	All public assistance and earnings of persons employed under Federal work programs	Obligations incurred for—			Subsistence payments certified by Farm Security Administration [1]	Earnings of persons employed under Federal work programs [2]					
		Special types of public assistance [3]	General relief [4]	Relief under special programs of Federal Emergency Relief Administration [5]		Civilian Conservation Corps [6]	Works Progress Administration [7]		National Youth Administration [8]		Other Federal work and construction projects [9]
							Projects operated by W. P. A.	Projects operated by other Federal agencies	Student aid	Work projects	
1933	[10] 1,358,159	72,414	758,752	5,753	------	140,736	------	------	------	------	165,548
1934	[10] 2,436,328	80,003	1,200,360	61,069	------	260,957	------	------	------	------	330,880
1935	2,594,765	114,063	1,433,180	114,996	2,541	332,851	238,018	------	6,364	------	352,152
1936	3,258,355	217,516	439,015	3,873	20,365	292,391	1,592,040	------	25,900	28,884	638,371
1937	2,869,370	397,867	406,869	467	35,894	245,756	1,186,266	------	24,288	32,663	530,299
1938	3,485,757	509,109	476,061	------	22,800	230,166	1,722,270	28,554	19,598	41,558	435,834
Jan.	237,238	40,103	46,398	------	2,204	29,040	93,060	------	1,996	2,552	30,985
Feb.	245,660	40,573	47,202	------	2,473	19,309	103,092	------	2,166	2,688	28,158
Mar.	263,135	41,284	47,392	------	2,577	18,336	119,693	------	2,203	2,739	28,911
Apr.	273,880	41,478	41,038	------	2,336	18,311	131,419	------	2,255	2,766	34,278
May	283,627	41,740	37,344	------	2,156	18,014	137,916	------	2,406	3,075	40,976
June	294,353	41,826	36,750	------	1,756	17,174	146,068	------	1,550	3,585	45,644
July	299,038	42,442	36,027	------	1,291	19,848	151,416	4,293	------	3,701	40,020
Aug.	307,204	42,834	36,220	------	1,119	20,334	163,378	4,621	6	3,903	34,790
Sept.	311,086	43,285	35,440	------	1,231	18,767	164,910	4,749	211	3,930	38,564
Oct.	320,323	43,792	34,933	------	1,492	20,367	171,162	4,939	1,980	4,028	37,631
Nov.	325,659	44,394	36,539	------	1,703	20,514	172,257	4,968	2,408	4,193	38,683
Dec.	324,553	45,359	40,779	------	2,202	19,252	167,906	4,984	2,417	4,400	37,195
1939 (6 mos.)	1,866,074	278,149	252,096	------	12,421	118,477	883,960	34,929	14,098	25,847	246,103
Jan.	316,220	45,971	43,575	------	2,391	20,642	155,843	4,761	2,266	4,347	36,423
Feb.	310,034	46,261	44,906	------	2,327	20,689	150,290	4,474	2,457	4,472	34,157
Mar.	318,370	46,423	46,437	------	2,492	18,103	157,707	4,886	2,446	4,451	35,425
Apr.	309,232	46,233	41,140	------	2,242	19,974	146,340	6,107	2,494	4,318	40,384
May	307,938	46,170	39,108	------	1,687	20,432	140,674	7,322	2,494	4,286	45,766
June	304,279	47,090	36,930	------	1,282	18,637	133,106	7,379	1,935	3,973	53,947

[1] Represents net amount of emergency grant vouchers certified to cases during month.

[2] Includes earnings of persons certified as in need of relief and earnings of all other persons employed on work and construction projects financed in whole or in part from Federal funds. Figures for the C. C. C. represent earnings of enrolled persons only.

[3] Figures through January 1936 represent payments from State and local funds only. Thereafter, figures represent payments to recipients from Federal, State, and local funds in States administering the 3 special types of public assistance under the Social Security Act and from State and local funds only in States not participating under the Act.

[4] Figures through March 1937 from the W. P. A., Division of Statistics. Figures for 1933–35 include obligations incurred for direct relief, and earnings of relief and nonrelief persons (other than of administrative employees) employed under the general relief program of the F. E. R. A.; they do not include all obligations incurred for relief extended to cases by local authorities from public funds under the poor laws.

[5] Figures from the W. P. A., Division of Statistics; include obligations incurred for relief extended to cases under the emergency education, student aid, rural rehabilitation, and transient programs of the Emergency Relief Administrations largely financed from F. E. R. A. funds.

[6] Figures estimated by the C. C. C. by multiplying average monthly number of persons enrolled by an average of $70 per month. This average amount is based on amount of obligations incurred for cash allowances and for clothing, shelter, subsistence, and medical care of persons enrolled, and for certain other items.

[7] Figures from the W. P. A., Division of Statistics; represent earnings of persons employed on projects financed from W. P. A. funds and cover all pay-roll periods ended during month.

[8] Figures from the W. P. A., Division of Statistics; represent earnings during all pay-roll periods ended during month.

[9] Figures from the Bureau of Labor Statistics, Division of Construction and Public Employment; represent earnings on other work and construction projects financed in whole or in part from Federal funds and cover all pay-roll periods ended during monthly period ended on 15th of specified month.

[10] Includes $214,956,000 for 1933 and $503,050,000 for 1934, representing estimated total earnings of persons employed under the Civil Works Program during month, as reported by the Division of Statistics of the W. P. A.

Source: Federal Security Agency, Social Security Board, Bureau of Research and Statistics; figures are published currently in Social Security Bulletin.

No. 399.—Recipients of Public Assistance and Persons Employed Under Federal Work Programs in Continental United States, by Months: March 1933 to June 1939

Note.—In Thousands. Figures exclude administrative employees. Figures are partly estimated and subject to revision. See general note, p. 352

Year and month	Recipients of special types of public assistance [1]				Cases receiving general relief [2]	Cases aided under special programs of Fed. Emer. Relief Admn. [3]	Cases for which subsistence payments were certified by Farm Security Admn. [4]	Persons employed under Federal work programs [5]						
		Aid to dependent children							Works Progress Administration [7]		National Youth Administration [8]			
	Old-age assistance	Families	Children	Aid to the blind				Civilian Conservation Corps [6]	Projects operated by the W. P. A.	Projects operated by other Federal agencies	Student aid	Work projects	Other Federal work and construction projects [9]	Civil Works Program [10]
1933														
Mar.	112	113	283	24	5,087	84	------	------	------	------	------	------	108	------
June	108	108	270	24	4,328	64	------	243	------	------	------	------	237	------
Sept.	105	111	277	24	3,589	64	------	274	------	------	------	------	211	------
Dec.	107	112	285	25	3,246	101	------	290	------	------	------	------	330	3,597
1934														
Mar.	125	111	277	26	3,770	229	------	268	------	------	------	------	282	2,609
June	130	109	272	29	4,508	289	------	284	------	------	------	------	585	(11)
Sept.	145	109	272	31	4,877	384	------	330	------	------	------	------	527	------
Dec.	206	113	280	33	5,367	447	------	330	------	------	------	------	384	------
1935														
Mar.	263	108	270	32	5,466	603	------	306	------	------	------	------	285	------
June	293	108	270	33	4,829	557	------	351	------	------	------	------	447	------
Sept.	326	110	275	33	4,191	240	------	483	374	------	35	------	471	------
Dec.	378	117	286	35	2,886	92	130	459	2,667	------	283	------	488	------
1936														
Jan.	430	123	304	37	2,219	40	151	426	2,880	------	306	17	460	------
Feb.	473	132	328	41	2,139	27	139	403	3,019	------	351	79	470	------
Mar.	505	132	328	43	2,011	23	172	355	2,960	------	380	163	534	------
Apr.	571	144	350	42	1,828	15	108	322	2,626	------	405	181	665	------
May	607	149	360	43	1,658	13	86	348	2,397	------	308	178	773	------
June	650	156	382	44	1,556	11	62	336	2,286	------	215	184	869	------
July	788	158	388	42	1,453	10	41	350	2,245	------	(11)	165	878	------
Aug.	807	148	362	43	1,434	9	60	338	2,332	------	2	162	878	------
Sept.	899	140	346	44	1,389	9	77	298	2,449	------	63	167	845	------
Oct.	973	154	379	44	1,396	9	88	330	2,548	------	341	166	801	------
Nov.	1,035	158	389	45	1,406	9	93	343	2,546	------	399	172	739	------
Dec.	1,166	160	401	45	1,510	11	[12] 135	328	2,243	------	411	178	657	------
1937														
Jan.	1,150	166	411	47	1,662	4	[12] 335	350	2,127	------	417	185	544	------
Feb.	1,200	171	421	47	1,726	4	[12] 229	345	2,145	------	427	189	477	------
Mar.	1,256	178	437	48	1,684	3	[12] 323	303	2,125	------	440	192	476	------
Apr.	1,296	183	450	49	1,550	------	300	303	2,075	------	442	192	512	------
May	1,327	189	464	49	1,382	------	218	301	2,018	------	424	185	560	------
June	1,290	192	473	50	1,277	------	191	277	1,874	------	249	173	588	------
July	1,392	196	482	50	1,257	------	54	276	1,628	------	0	150	586	------
Aug.	1,432	203	502	51	1,271	------	78	278	1,509	------	(11)	133	544	------
Sept.	1,467	209	518	52	1,265	------	67	233	1,454	------	36	127	522	------
Oct.	1,503	215	533	54	1,270	------	71	263	1,460	------	244	128	499	------
Nov.	1,541	220	544	55	1,368	------	83	298	1,501	------	283	127	465	------
Dec.	1,577	228	565	56	1,626	------	109	284	1,594	------	304	136	404	------
1938														
Jan.	1,600	234	578	57	1,893	------	108	285	1,801	------	310	146	334	------
Feb.	1,623	241	595	59	1,996	------	119	276	2,001	------	320	152	316	------
Mar.	1,646	247	610	60	1,993	------	126	262	2,319	------	327	155	337	------
Apr.	1,662	252	622	60	1,815	------	117	262	2,538	------	334	159	391	------
May	1,677	256	630	62	1,695	------	112	257	2,638	------	329	179	487	------
June	1,657	258	638	62	1,650	------	93	288	2,741	------	219	209	541	------
July	1,708	260	640	63	1,612	------	70	284	2,912	85	------	215	460	------
Aug.	1,717	265	651	64	1,581	------	62	290	3,037	85	2	219	338	------
Sept.	1,732	268	659	65	1,525	------	69	268	3,120	80	49	221	357	------
Oct.	1,748	271	664	65	1,496	------	79	291	3,192	90	322	220	378	------
Nov.	1,763	274	672	66	1,518	------	89	293	3,239	91	364	230	377	------
Dec.	1,778	290	685	67	1,631	------	115	275	3,066	90	372	240	369	------

For footnotes, see next page.

No. 399.—Recipients of Public Assistance and Persons Employed Under Federal Work Programs, Etc.—Continued.

[In thousands]

Year and month	Recipients of special types of public assistance [1]				Cases receiving general relief [2]	Cases aided under special programs of Fed. Emer. Relief Admn. [3]	Cases for which subsistence payments were certified by Farm Security Admn. [4]	Persons employed under Federal work programs [5]						
	Old-age assistance	Aid to dependent children		Aid to the blind				Civilian Conservation Corps [6]	Works Progress Administration [7]		National Youth Administration [8]		Other Federal work and construction projects [9]	Civil Works Program [10]
		Families	Children						Projects operated by the W. P. A.	Projects operated by other Federal agencies	Student aid	Work projects		
1939														
Jan.	1,792	288	702	67	1,772	------	126	295	2,928	88	372	237	352	------
Feb.	1,804	296	718	67	1,844	------	123	296	2,905	85	382	242	342	------
Mar.	1,818	298	721	67	1,861	------	127	259	2,917	86	380	236	350	------
Apr.	1,834	296	715	68	1,724	------	114	285	2,676	110	383	228	302	------
May	1,835	299	722	68	1,644	------	87	292	2,507	130	372	225	439	------
June	1,845	311	748	68	1,568	------	69	266	2,436	133	280	213	488	------

[1] Includes both those in States administering these programs under the Social Security Act and those in States not participating under the Act.

[2] Figures for January 1933–March 1937 from the W. P. A., Division of Statistics. Figures represent the number aided during the month. Figures for 1933–35 include cases receiving direct relief, and relief and nonrelief persons (other than administrative employees) employed under the general relief program of the F. E. R. A.; they do not include all general relief cases aided by local authorities from public funds under the poor laws.

[3] Figures from the W. P. A., Division of Statistics; include cases receiving relief during month under emergency education, student aid, rural rehabilitation, and transient programs of the Emergency Relief Administrations largely financed from F. E. R. A. funds.

[4] Represents net number of emergency grant vouchers certified to cases during month. Ordinarily only 1 grant voucher per case is certified per month.

[5] Includes persons certified as in need of relief and all other persons employed on work and construction projects financed in whole or in part from Federal funds. Figures for the C. C. C. represent enrolled persons only.

[6] Figures from the C. C. C. are estimated for January 1933–April 1935; for subsequent months they are averages computed by the C. C. C. from reports on number of persons enrolled on 10th, 20th, and last day of each month except for the Indian Division, for which averages are computed from daily reports.

[7] Figures from the W. P. A., Division of Statistics; represent average weekly number of persons employed during month on projects financed from W. P. A. funds.

[8] Figures from W. P. A., Div. Stat.; represent number of different persons employed during month.

[9] Figures from the Bureau of Labor Statistics, Division of Construction and Public Employment; represent average weekly number of persons employed on other work and construction projects financed in whole or in part from Federal funds during monthly period ended on 15th of specified month.

[10] Figures from the W. P. A., Division of Statistics; represent estimated number of persons employed under the Civil Works Program during month. [11] Less than 500 persons.

[12] For administrative reasons, some payments which would have been certified in December 1936 and February 1937 were not certified until January and March 1937, respectively.

Source: Federal Security Agency, Social Security Board, Bureau of Research and Statistics; figures are published currently in Social Security Bulletin.

No. 400.—Old-Age Assistance: Growth, 1915 to 1938

Year [1]	Number of State and Territorial laws in effect	Number of recipients at end of year	Total payments (thousands of dollars)	Average monthly payment	Year [1]	Number of State and Territorial laws in effect	Number of recipients at end of year	Total payments (thousands of dollars)	Average monthly payment
1915	1	42	2	$4.70	1931	16	70,663	16,252	$19.01
1923	2	518	50	7.98	1932	16	102,894	25,048	20.78
1924	2	723	108	12.41	1933	17	115,549	26,167	19.25
1925	3	817	146	14.86	1934	27	235,265	32,395	14.53
1926	3	1,165	230	16.46	1935	32	408,502	65,002	15.57
1927	3	1,255	231	15.37	1936 [2]	45	1,106,843	155,441	[3] 18.78
1928	6	1,514	285	16.42	1937 [4]	50	1,579,443	310,836	[3] 19.46
1930	9	10,648	2,138	16.73	1938	51	1,782,825	303,313	[3] 19.55

[1] From 1915 to 1922 only Alaska was administering old-age assistance. No data available for 1920.

[2] At close of year 42 States were administering old-age assistance under plans approved by the Social Security Board. Figures include estimates for Alaska, Arizona, and Nevada, administering old-age assistance under State laws. [3] Average payment per recipient for December.

[4] At close of year, all States and Territories except Virginia were administering old-age assistance under plans approved by the Social Security Board.

Sources: 1915–35, Dept. of Labor, Bur. of Labor Statistics; Monthly Labor Review, October 1936. 1936–38, Federal Security Agency, Social Security Board, Bur. of Research and Statistics; official records.

No. 401.—Old-Age Assistance, Aid to Dependent Children, and Aid to the Blind, by States and Territories: December 1938

[Data reported by State agencies, corrected to Apr. 15, 1939. See general note, p. 352.]

State	Old-age assistance			Aid to dependent children				Aid to the blind		
	Number of recipients	Obligations incurred for payments to recipients [1]		Number of recipients		Obligations incurred for payments to recipients [1]		Number of recipients	Obligations incurred for payments to recipients [1]	
		Total (thousands of dollars)	Average per recipient	Families	Children	Total (thousands of dollars)	Average per family		Total (thousands of dollars)	Average per recipient
Total	1,782,825	$34,848	$19.55	[2] 280,624	[2] 687,803	[2] 8,968	[2] $31.96	[3] 66,645	[3] 1,666	[3] $25.00
Alabama	15,897	151	9.51	5,573	16,514	70	12.65	474	4	9.03
Alaska	1,078	30	27.51							
Arizona	6,811	178	26.10	2,010	5,945	66	33.08	299	7	24.51
Arkansas	17,277	106	6.15	4,068	11,186	33	8.14	622	4	6.62
California	125,270	4,063	32.43	12,813	[4] 31,692	531	41.48	6,159	295	47.95
Colorado	[5] 37,650	[5] 1,129	29.99	3,883	10,020	120	30.96	623	18	28.82
Connecticut	15,268	407	26.66	[6] 1,350	[6] 3,300	[6] 74		201	4	22.38
Delaware	2,600	28	10.84	471	1,098	14	30.77			
Dist. of Columbia	3,259	83	25.40	1,043	3,173	49	46.75	220	6	26.57
Florida	34,130	472	13.84	2,201	5,877	37	16.64	2,217	32	14.60
Georgia	35,770	313	8.76	4,582	12,313	96	21.06	1,223	13	10.94
Hawaii	1,771	22	12.64	941	3,361	33	34.67	67	1	14.19
Idaho	8,869	191	21.55	2,689	6,365	72	26.60	300	7	22.15
Illinois	124,392	2,304	18.52	[6] 7,500	[6] 17,000	[6] 168		[6] 7,700	[6] 205	
Indiana	53,842	890	16.53	15,218	32,000	417	27.40	2,475	48	19.36
Iowa	50,677	1,005	19.82	[6] 3,000	[6] 7,000	[6] 62		1,279	30	23.20
Kansas	22,143	434	19.62	4,658	11,165	142	30.57	1,006	21	20.76
Kentucky	44,494	388	8.73	257	823	10	36.96			
Louisiana	28,251	290	10.26	9,745	28,034	207	21.20	751	10	13.18
Maine	11,968	248	20.71	1,327	3,465	50	37.58	1,252	29	22.86
Maryland	17,337	304	17.51	7,692	20,824	245	31.88	625	13	21.16
Massachusetts	74,902	2,139	28.56	9,405	22,900	575	61.13	1,097	24	21.85
Michigan	70,872	1,213	17.11	12,262	28,478	506	41.23	675	18	26.27
Minnesota	65,098	1,329	20.42	6,716	[4] 17,009	240	35.77	760	19	24.86
Mississippi	18,788	130	6.92					375	3	7.11
Missouri	74,434	1,375	18.48	7,800	19,090	236	30.28	[6] 3,900	[6] 99	
Montana	12,534	257	20.48	2,091	4,901	59	28.34	99	2	21.31
Nebraska	26,992	462	17.12	[7] 4,561	[7] 10,463	[7] 120	26.32	608	12	20.17
Nevada	2,099	56	26.46	132	303	3	25.65	8	(8)	25.63
New Hampshire	4,002	92	23.08	343	916	13	39.27	307	7	21.55
New Jersey	27,332	528	19.32	11,242	25,164	332	29.55	599	13	22.43
New Mexico	3,811	43	11.15	1,503	4,346	28	18.57	199	3	13.76
New York	110,445	2,670	24.18	34,645	69,336	1,698	49.00	2,638	65	24.51
North Carolina	31,964	299	9.35	7,719	21,053	118	15.25	1,949	28	14.60
North Dakota	7,851	136	17.38	1,245	[4] 3,846	42	34.08	109	2	19.35
Ohio	111,736	2,572	23.01	10,878	[9] 31,168	437	40.16	3,935	77	19.67
Oklahoma	64,767	1,292	19.94	14,944	34,618	209	14.00	2,021	33	16.11
Oregon	18,846	401	21.30	1,558	3,444	60	38.78	434	11	25.49
Pennsylvania	88,342	1,872	21.19	18,290	44,876	630	34.43	12,028	360	29.91
Rhode Island	6,247	117	18.78	1,041	2,836	49	47.41	[6] 50	[6] 1	
South Carolina	23,160	171	7.40	4,083	12,036	59	14.35	862	9	9.86
South Dakota	16,201	325	20.04	1,982	4,662	35	17.53	219	4	19.99
Tennessee	22,324	295	13.23	9,939	26,762	183	18.38	1,434	21	14.68
Texas	113,230	1,567	13.84	121	265	1	7.06			
Utah	13,368	273	20.45	2,935	7,307	98	33.32	200	5	25.39
Vermont	5,203	75	14.47	363	1,105	9	25.84	135	2	17.25
Virginia	7,271	69	9.55	792	2,891	16	20.19	598	8	12.76
Washington	37,610	831	22.10	5,788	13,040	169	29.12	1,032	32	31.00
West Virginia	17,977	248	13.79	5,939	17,246	127	21.34	754	13	17.27
Wisconsin	43,659	907	20.78	10,701	[4] 25,108	401	37.46	1,965	43	21.99
Wyoming	3,006	65	21.62	585	1,479	18	30.95	162	5	28.65

[1] Amount of payments to recipients from Federal, State, and local funds in States administering these programs under the Social Security Act and payments from State and local funds only for States not participating under the act, administrative expense excluded. Figures include direct assistance to recipients and obligations incurred for assistance in kind and for payments to persons other than those certified for assistance for rendering services to the recipient. They do not include expense for hospitalization and burials.

[2] Includes data for 42 States administering this program under the Social Security Act and 7 States—Connecticut, Illinois, Iowa, Kentucky, Nevada, South Dakota, and Texas—not participating under the act.

[3] Includes data for 42 States administering this program under the Social Security Act and 5 States—Illinois, Missouri, Nevada, Pennsylvania, and Rhode Island—not participating under the act.

[4] Includes an unknown number of children 16 years of age and over.

[5] Includes $88,651 incurred for payments to 2,996 recipients 60 but under 65 years of age.

[6] Estimated.

[7] In addition, in 77 counties payments amounting to $17,128 were made from local funds without Federal participation to 1,002 families in behalf of 2,419 children under the State Mothers'-Pension law. It is possible that a large number of the families receiving aid from this source for December also received aid under the State plan for aid to dependent children approved by the Social Security Board.

[8] Less than $500.

[9] Includes 4,150 children 16–18 years of age.

Source: Federal Security Agency, Social Security Board, Bureau of Research and Statistics; figures are published currently in Social Security Bulletin.

No. 402.—General Relief, by States: December 1937 and 1938

[Based on reports from State agencies, corrected to July 25, 1939]

State	Number of cases receiving relief		Amount of obligations incurred for relief [1]		Average amount of relief per case	
	1937	1938	1937	1938	1937	1938
Total [2]	1,625,990	1,630,583	$41,238,400	$40,778,688	--------	--------
Alabama	2,176	2,646	17,586	24,424	$8.08	$9.23
Arizona	2,373	3,371	40,627	47,997	17.12	14.24
Arkansas	4,064	3,773	25,031	17,352	6.16	4.60
California	97,211	107,091	2,825,815	3,231,084	29.07	30.17
Colorado [3]	13,800	12,900	197,000	195,000	--------	--------
Connecticut	20,851	22,321	568,340	602,121	27.26	26.98
Delaware	1,537	2,239	25,571	46,488	16.64	20.76
District of Columbia	2,638	1,530	66,783	39,994	25.32	26.14
Florida	[3] 8,600	8,491	[3] 54,000	57,185	--------	6.73
Georgia	8,030	7,331	56,403	48,118	7.02	6.56
Idaho [3]	2,700	3,100	35,000	53,000	--------	--------
Illinois	182,706	178,377	4,252,469	4,326,314	23.27	24.25
Indiana	52,943	57,679	819,913	807,290	15.49	14.00
Iowa	35,590	30,537	695,745	538,099	19.55	17.62
Kansas	18,757	19,894	276,049	281,116	14.72	14.13
Kentucky [3]	6,800	6,300	49,000	48,000	--------	--------
Louisiana	7,115	8,182	98,404	111,371	13.83	13.61
Maine	[3] 13,900	12,279	[3] 325,000	287,293	--------	23.40
Maryland	6,989	10,374	154,627	247,372	22.12	23.85
Massachusetts	81,660	66,318	2,546,646	1,957,819	31.19	29.52
Michigan	65,887	66,105	1,674,300	1,482,935	25.41	22.43
Minnesota	44,782	44,684	1,308,256	1,162,899	29.21	26.02
Mississippi	1,136	1,392	3,994	3,801	3.52	2.73
Missouri	52,227	35,593	495,261	490,410	9.48	13.78
Montana	5,646	6,270	81,083	100,040	14.36	15.96
Nebraska	[4] 9,600	9,610	[4] 133,000	129,558	--------	13.48
Nevada	751	696	11,095	9,105	14.77	13.08
New Hampshire	9,943	8,731	283,422	246,128	28.50	28.19
New Jersey	66,952	[3] 74,900	1,663,278	1,860,252	24.84	--------
New Mexico	2,507	1,645	18,057	9,409	7.20	5.72
New York	283,179	287,824	11,384,610	10,826,254	40.20	37.61
North Carolina	6,858	6,111	39,746	34,926	5.80	5.72
North Dakota	10,213	5,860	178,321	93,838	17.46	16.01
Ohio	[4] 96,900	86,760	[4] 1,753,000	1,670,674	--------	19.26
Oklahoma [3]	26,000	26,200	101,000	90,000	--------	--------
Oregon	12,880	14,123	220,755	221,592	17.14	15.69
Pennsylvania	189,042	236,937	5,761,904	6,933,446	30.48	29.26
Rhode Island [3]	13,300	9,600	372,000	281,000	--------	--------
South Carolina	1,043	2,811	11,966	27,354	11.47	9.73
South Dakota	6,889	5,155	94,294	79,616	13.69	15.44
Tennessee [4]	4,800	5,200	34,000	30,000	--------	--------
Texas	[3] 11,000	14,250	[3] 100,000	136,400	--------	9.57
Utah	4,496	3,535	99,999	70,237	22.24	19.87
Vermont	3,376	3,140	72,833	70,909	21.57	22.58
Virginia	15,276	9,444	114,666	87,480	7.51	9.26
Washington	45,692	25,762	858,645	394,194	18.79	15.30
West Virginia	[3] 18,100	22,185	[3] 180,000	204,103	--------	9.20
Wisconsin	44,688	48,948	1,036,467	1,023,052	23.19	20.90
Wyoming	1,487	2,379	22,439	41,639	15.09	17.50

[1] Obligations incurred from State and local funds; administrative expense; nonrelief expense; and expense for special programs, hospitalization, and burials are not included.
[2] Partly estimated and subject to revision.
[3] Figures estimated by the Social Security Board.
[4] Figures estimated by State.

Source: Federal Security Agency, Social Security Board, Bureau of Research and Statistics; figures are published currently in Social Security Bulletin.

No. 403.—Federal Grants to States—Advances Certified by Social Security Board to Secretary of Treasury for Public Assistance and for Administration of Unemployment Compensation and State Employment Service: Fiscal Year 1938–1939

[In thousands of dollars. See general note, p. 352.]

State	Total grants	Advances certified for direct assistance and administration of public assistance[1]				Advances certified for administration of unemployment compensation and State employment service[2]		
		Total	Old-age assistance	Aid to dependent children	Aid to the blind	Total	Unemployment compensation	State employment service
Total	302, 542	243, 783	208, 051	30, 497	5, 236	58, 758	38, 540	20, 219
Alabama	1, 981	1, 314	926	364	25	667	422	245
Alaska	203	163	163	(3)	(3)	40	30	9
Arizona	1, 707	1, 426	1, 084	299	43	282	182	99
Arkansas	1, 187	839	676	140	23	348	232	116
California	29, 082	25, 256	22, 482	1, 634	1, 141	3, 826	3, 338	488
Colorado	7, 001	6, 608	5, 937	563	109	393	247	146
Connecticut	3, 872	2, 520	2, 503	(3)	17	1, 352	1, 042	310
Delaware	449	234	169	65	(3)	215	154	61
District of Columbia	1, 155	692	487	170	35	463	290	173
Florida	3, 807	3, 314	2, 974	169	171	493	332	161
Georgia	2, 879	2, 168	1, 675	412	80	712	364	347
Hawaii	405	269	134	134	1	136	127	9
Idaho	1, 767	1, 520	1, 179	303	39	247	174	73
Illinois	16, 121	14, 769	14, 769	(3)	(3)	1, 353	950	402
Indiana	9, 609	7, 814	5, 777	1, 750	287	1, 795	1, 269	527
Iowa	7, 072	6, 416	6, 249	(3)	167	656	425	231
Kansas	3, 779	3, 346	2, 677	553	116	433	319	114
Kentucky	2, 991	2, 352	2, 352	(3)	(3)	639	493	147
Louisiana	3, 721	2, 927	1, 887	980	60	794	520	274
Maine	2, 383	1, 908	1, 534	196	178	475	353	122
Maryland	4, 004	3, 059	1, 909	1, 070	80	946	683	263
Massachusetts	17, 676	14, 302	12, 709	1, 441	153	3, 374	2, 482	892
Michigan	13, 232	9, 819	8, 194	1, 550	75	3, 413	2, 056	1, 357
Minnesota	10, 682	9, 222	8, 298	813	112	1, 460	1, 006	454
Mississippi	1, 162	809	794	(3)	15	353	239	115
Missouri	9, 956	8, 645	7, 887	757	(3)	1, 311	768	543
Montana	1, 904	1, 781	1, 528	248	5	123	119	5
Nebraska	3, 691	3, 357	2, 753	529	75	335	194	141
Nevada	503	349	349	(3)	(3)	155	95	60
New Hampshire	1, 008	665	575	52	38	343	237	106
New Jersey	6, 545	4, 525	3, 213	1, 228	84	2, 020	1, 448	572
New Mexico	625	431	276	137	18	194	113	81
New York	28, 498	19, 254	14, 887	4, 047	320	9, 244	4, 959	4, 285
North Carolina	3, 728	2, 579	1, 854	550	175	1, 150	859	290
North Dakota	1, 261	1, 107	897	202	9	154	77	77
Ohio	19, 679	17, 325	15, 392	1, 462	471	2, 353	1, 895	458
Oklahoma	6, 870	6, 255	5, 427	657	171	615	363	252
Oregon	3, 491	2, 837	2, 536	231	71	655	489	165
Pennsylvania	21, 532	14, 859	11, 380	3, 479	(3)	6, 674	3, 654	3, 020
Rhode Island	1, 616	899	739	161	(3)	717	624	93
South Carolina	1, 934	1, 457	1, 123	286	49	477	340	137
South Dakota	2, 243	2, 112	2, 089	(3)	24	131	96	35
Tennessee	3, 738	2, 862	1, 927	797	138	876	504	372
Texas	11, 896	9, 917	9, 917	(3)	(3)	1, 980	973	1, 007
Utah	2, 424	2, 122	1, 763	329	31	302	218	84
Vermont	779	569	507	46	16	211	147	64
Virginia	1, 549	703	555	94	54	846	614	232
Washington	6, 689	6, 001	5, 126	695	181	688	417	271
West Virginia	3, 342	2, 251	1, 581	592	79	1, 091	809	282
Wisconsin	8, 429	7, 340	5, 826	1, 236	278	1, 090	684	405
Wyoming	683	518	415	78	25	165	113	52

[1] Figures differ from those in tables 398 and 401, which include payments from Federal, State, and local funds but exclude administrative expense.

[2] Excludes grants by the U. S. Employment Service under Wagner-Peyser Act and State and local appropriations to employment service.

[3] No plan approved by the Social Security Board for the period covered.

Source: Federal Security Agency, Social Security Board, Bureau of Accounts and Audits; Annual Report of Social Security Board. Figures are published currently in Social Security Bulletin.

16. POSTAL SERVICE

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

No. 404.—United States Postal Service—Summary: 1800 to 1938

Year ended June 30—	Number of post offices	Mileage of post routes [1]	Finances, thousands of dollars			Revenue per capita, dollars	Money orders issued, thousands of dollars		Number of ordinary postage stamps issued, millions	Number of pieces of mail handled, millions [4]
			Gross revenue	Gross expenditure	Surplus (+) or deficit (−) [2]		Domestic [3]	International [3]		
1800	903	20,817	281	214	+67					
1810	2,300	36,406	552	496	+56					
1820	4,500	72,492	1,112	1,161	−49					
1830	8,450	115,176	1,851	1,933	−82					
1840	13,468	155,739	4,544	4,718	−175	0.27				
1850	18,417	178,672	5,500	5,213	+287	.20			[5] 2	
1860	28,498	240,594	8,518	19,171	−10,653	.27			216	
1865	20,550	142,340	14,556	13,695	+917	.42	[6] 1,360		387	
1870	28,492	231,232	18,880	23,999	−5,098	.49	34,054	[7] 22	468	
1875	35,547	277,873	26,791	33,611	−6,820	.61	77,431	1,965	682	
1880	42,989	343,888	33,315	36,543	−3,222	.66	100,353	3,464	876	
1885	51,252	365,251	42,561	50,046	−7,481	.76	117,859	6,840	1,465	
1890	62,401	427,990	60,882	66,260	−5,401	.97	114,363	13,230	2,220	4,005
1895	70,064	456,026	76,983	87,180	−10,230	1.12	156,709	12,906	2,795	5,134
1900	76,688	500,989	102,355	107,740	−5,410	1.34	238,921	16,749	3,999	7,130
1902	75,924	507,540	121,848	124,786	−2,961	1.53	313,551	22,974	4,621	8,085
1903	74,169	506,268	134,224	138,784	−4,587	1.66	353,628	35,238	5,271	8,887
1904	71,131	496,818	143,583	152,362	−8,813	1.74	378,778	42,550	5,331	9,502
1905	68,131	486,805	152,827	167,399	−14,594	1.81	396,903	47,516	5,751	10,188
1906	65,600	478,711	167,933	178,450	−10,543	1.96	444,516	63,048	6,284	11,361
1907	62,658	463,406	183,585	190,238	−6,692	2.11	479,650	84,081	7,061	12,256
1908	60,704	450,738	191,479	208,352	−16,910	2.15	498,700	88,972	7,651	13,364
1909	60,144	448,618	203,562	221,004	−17,480	2.24	491,075	76,755	8,732	14,005
1910	59,580	447,998	224,129	229,977	−5,881	2.43	547,994	99,743	9,067	14,850
1911	59,237	435,488	237,880	237,649	+219	2.53	578,111	109,605	10,046	16,901
1912	58,729	436,469	246,744	248,525	−1,786	2.58	583,337	97,660	9,929	17,589
1913	58,020	436,293	266,620	262,068	+4,511	2.74	624,489	102,668	10,813	18,567
1914	56,810	435,597	287,935	283,544	+4,376	2.91	667,231	101,963	11,112	
1915	56,380	433,334	287,248	298,546	−11,333	2.85	650,139	60,772	11,226	
1916	55,935	425,950	312,058	306,204	+5,829	3.05	719,365	46,357	11,672	
1917	55,414	454,835	329,726	319,839	+9,836	3.18	813,319	41,645	12,452	
1918 [8]	54,347	465,371	388,976	324,834	+64,127	3.70	904,650	35,865	13,066	
1919 [8]	53,084	455,498	436,239	362,498	+73,735	4.11	1,109,613	39,766	15,020	
1920	52,641	435,342	437,150	454,323	−17,270	4.10	1,332,700	32,960	13,213	
1921	52,168	434,349	463,401	620,994	−157,518	4.28	1,305,370	24,399	13,870	
1922	51,950	454,901	484,854	545,644	−60,815	4.41	1,205,327	20,651	14,262	
1923	51,613	460,171	532,828	556,851	−24,065	4.78	1,376,461	34,119	15,478	23,055
1924	51,266	467,896	572,940	587,377	−14,464	5.08	1,510,705	50,615	15,954	24,358
1925	50,957	464,269	599,591	639,282	−39,745	5.28	1,532,567	52,650	17,387	25,835
1926	50,601	470,779	659,820	679,704	−19,972	5.63	1,500,486	63,172	16,333	25,484
1927	50,266	478,662	683,122	714,577	−31,506	5.76	1,647,580	68,952	16,000	26,687
1928	49,944	487,512	693,634	725,700	−32,121	5.78	1,630,157	71,520	16,676	26,837
1929	49,482	491,179	696,948	782,344	−85,461	5.73	1,658,443	76,113	16,917	27,952
1930	49,063	503,918	705,484	803,667	−98,216	5.75	1,714,576	72,708	16,269	27,888
1931	48,733	528,570	656,463	802,485	−146,066	5.29	1,559,549	62,228	15,559	26,544
1932	48,159	537,544	588,172	793,684	−205,551	4.71	1,536,889	48,849	14,651	24,307
1933	47,641	536,679	587,631	699,887	−112,375	4.67	1,647,421	35,116	11,917	19,868
1934	46,506	536,751	586,733	630,733	−44,034	4.64	1,776,740	30,041	12,526	20,626
1935	45,686	514,128	630,795	696,503	−65,808	4.94	1,820,957	30,429	13,610	22,332
1936	45,230	517,864	665,343	753,616	−88,316	5.18	1,918,293	31,449	13,835	23,571
1937	44,877	519,328	726,201	772,743	−46,615	5.62	2,107,002	33,979	15,109	25,801
1938	44,667	519,490	728,634	772,308	−43,812	5.58	2,146,753	33,516	14,912	26,042

[1] Excluding rural free delivery routes, ocean mail routes, and air mail routes to foreign countries.
[2] Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.
[3] International includes foreign countries on domestic basis. For explanation see headnote table 406.
[4] Data are for continental United States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.
[5] Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.
[6] From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.
[7] From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.
[8] Gross revenues of department for 1918 and 1919 include $44,500,000 and $71,292,000, respectively, war-tax revenue accruing from increased postage.

Source: Post Office Department, Annual Report of the Postmaster General.

No. 405.—Postal Service Revenues, by Source: Years Ended June 30, 1910 to 1938

[All figures in thousands of dollars]

Item	1910	1915	1920	1925	1930	1935	1937	1938
Total	**224, 129**	**287, 248**	**437, 150**	**599, 591**	**705, 484**	**630, 795**	**726, 201**	**728, 634**
Ordinary postal revenue	219, 339	279, 460	424, 406	585, 333	686, 426	598, 358	693, 029	694, 193
Stamps, postal cards, etc.[1]	202, 065	256, 037	379, 587	507, 572	574, 851	473, 407	521, 675	515, 118
Second-class postage paid in money (pound rates)[1]	8, 174	10, 468	25, 100	29, 619	28, 584	18, 431	22, 534	22, 437
Other postage paid in money under permit	4, 418	7, 527	12, 960	39, 301	73, 545	96, 206	137, 822	146, 075
Box rents	4, 139	4, 981	6, 145	7, 817	8, 539	6, 596	7, 097	7, 459
Miscellaneous	542	448	614	1, 024	907	3, 718	3, 901	3, 105
Money-order revenues	4, 790	7, 175	10, 314	12, 909	17, 496	20, 424	23, 235	23, 308
Revenue from postal savings	----------	612	2, 430	1, 349	1, 562	12, 013	9, 938	11, 133

[1] For volume of this item, see table 410.

No. 406.—Postal Money-Order Business—Summary: Years Ended June 30, 1910 to 1938

Note.—For revenues from money orders, see table 405. For value of orders issued for other years, see table 404. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic"

Item	1910	1915	1920	1925	1930	1935	1937	1938
Number of money-order offices	51, 791	55, 670	54, 395	54, 269	54, 161	53, 106	51, 304	51, 119
DOMESTIC[1]								
Orders issued:								
Number (1,000)	76, 918	105, 073	148, 491	197, 054	202, 273	212, 737	245, 745	247, 799
Amount (1,000 dollars)	547, 994	656, 139	1, 332, 700	1, 532, 567	1, 714, 576	1, 820, 957	2, 107, 002	2, 146, 753
Orders paid:								
Number (1,000)	76, 496	103, 884	147, 520	196, 038	201, 453	212, 651	244, 920	248, 333
Amount (1,000 dollars)	545, 632	652, 786	1, 333, 046	1, 531, 597	1, 713, 681	1, 821, 152	2, 109, 379	2, 150, 728
Excess of issues:[2]								
Number (1,000)	422	1, 190	971	1, 015	820	85	825	−534
Amount (1,000 dollars)	2, 362	1, 353	−346	970	895	−194	−2, 377	−3, 975
INTERNATIONAL[3][4]								
Orders issued:								
Number (1,000)	4, 500	3, 055	1, 852	2, 966	3, 978	2, 456	2, 725	2, 656
Amount (1,000 dollars)	99, 743	60, 772	32, 960	52, 650	72, 708	30, 429	33, 979	33, 516
Orders paid:								
Number (1,000)	1, 956	2, 217	1, 508	1, 765	2, 161	1, 288	1, 552	1, 719
Amount (1,000 dollars)	27, 244	24, 743	25, 362	19, 765	25, 825	13, 641	14, 542	16, 215
Excess of issues:								
Number (1,000)	2, 544	837	343	1, 201	1, 817	1, 167	1, 172	937
Amount (1,000 dollars)	72, 499	36, 029	7, 598	32, 886	46, 883	16, 788	19, 437	17, 301
FOREIGN "DOMESTIC BASIS"[5]								
Paid in foreign countries:								
Number (1,000)	667	655	601	938	1, 034	614	736	731
Amount (1,000 dollars)	10, 184	9, 110	9, 568	16, 920	20, 921	8, 180	10, 452	11, 047
Paid in the United States:								
Number (1,000)	1, 566	1, 936	1, 246	1, 498	1, 751	939	1, 218	1, 357
Amount (1,000 dollars)	17, 766	18, 386	17, 916	15, 118	17, 935	8, 342	11, 001	12, 527

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

Source of tables 405 and 406: Post Office Department, Annual Report of the Postmaster General.

No. 407.—Postal Service Expenditures, by Object: Years Ended June 30, 1910 to 1938

Note.—All figures in thousands of dollars. For total expenditures see table 404. Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

Item	1910	1915	1920	1925	1930	1935	1937	1938
Service in post offices (total)	107,771	139,937	234,102	338,046	429,571	378,407	447,198	456,563
Salaries of postmasters	27,514	30,400	40,108	47,562	52,850	44,588	48,518	48,722
Salaries of clerks, etc	38,045	53,317	102,319	153,336	201,972	173,510	208,985	211,518
City delivery service	31,805	42,668	63,626	95,161	127,890	113,153	135,549	138,101
All other expenditures	10,405	13,552	28,049	41,987	46,860	47,156	54,146	58,222
Railway Mail Service	19,389	28,408	38,711	52,906	61,888	52,251	60,228	59,082
Rural Delivery Service	37,074	49,806	75,794	93,163	106,347	90,519	91,745	91,187
Transportation of domestic mail	61,940	76,014	99,520	142,141	176,984	134,676	144,363	148,531
By railroads	49,405	59,576	70,714	99,720	117,265	93,328	97,827	99,643
By other means	12,535	17,338	28,805	42,421	59,720	41,348	46,536	48,888
Transportation foreign mail	3,204	3,273	5,912	9,175	24,449	36,806	24,063	12,750
Payment account of invalid money orders	600	208	284	138	131	232	186	193
Post Office Department [1]	----------	----------	----------	3,712	4,208	3,612	4,061	4,000

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

No. 408.—Transportation of Domestic Mails, by Class of Service: 1915 to 1938

Note.—Amounts, *except as indicated, in thousands of dollars.* *Since Nov. 1, 1916, all service on steam* railroads is authorized and paid for under the space basis system; formerly, payments were based on a system of quadrennial weighings. Railway mail space units of service vary in size and character and may consist of a car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, others are for storage only, about 20 classes of units being distinguished. The "equated unit" represents a calculation of the equivalent of all the different units in terms of a 60-foot car. Annual rate of expenditure (regular authorizations) represents estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. "Annual cost" includes emergency and side and transfer service. Average rates are based on "regular authorizations"

Class of service and item	Year ended June 30, or as of June 30 of year specified						
	1915	1920	1925	1930	1935	1937	1938
Steam railway service:							
Length of routes (miles)	233,676	232,358	230,470	220,416	199,016	194,599	187,866
Annual travel (thousand miles)—							
Regular space units	[1] 499,011	561,827	579,256	564,801	455,214	468,017	451,575
Prorated to 60-foot car basis	----------	218,349	226,395	228,478	192,130	201,882	198,206
Annual expenditure—							
Regular authorizations	58,149	83,731	88,991	103,970	86,806	91,058	88,762
Annual cost	----------	89,661	107,491	125,243	99,676	106,358	105,065
Average rate of cost—							
Per mile of length (dollars)	248.84	360.35	386.12	471.70	436.17	467.92	472.48
Per unit mile traveled (cents)	[1] 11.65	14.90	15.36	18.41	19.06	19.45	19.66
Per 60-foot car mile (cents)	----------	38.34	39.31	45.70	45.40	45.10	44.78
Railway mail service—							
Number of employees	19,303	18,595	20,356	20,681	18,665	20,190	20,011
Expenditure for salary	21,205	35,644	48,913	56,577	49,239	56,505	55,673
Electric railway sevirce:							
Number of routes	569	543	288	224	135	114	103
Length of routes (miles)	8,183	8,043	8,042	7,012	4,459	3,971	3,560
Annual travel of space units (thousand miles)	[1] 13,948	[1] 11,752	10,487	9,829	6,047	5,403	4,722
Annual rate of expenditure	819	471	566	571	349	333	298
Average cost per unit mile traveled (cents)	[1] 5.87	[1] 4.01	5.39	5.81	5.77	6.16	6.30
Power boat service:							
Number of routes	260	266	284	265	196	191	183
Length of routes (miles)	32,402	34,642	49,791	40,130	21,043	20,822	20,606
Annual travel (thousand miles)	5,685	3,992	5,298	4,806	2,860	2,584	2,464
Annual rate of expenditure	990	[2] 773	1,492	1,401	1,085	903	896
Average cost per mile traveled (cents)	17.42	19.36	28.16	29.15	37.95	34.96	36.38
Air mail service:							
Length of routes (miles)	[3] 218	3,094	2,665	14,907	28,884	29,622	33,655
Mileage scheduled (thousands)	[3] 18	654	2,160	16,228	33,770	42,052	48,735
Miles traveled with mail (thousands)	[3] 16	549	2,077	14,939	31,148	39,959	46,113
Mail carried (million pound-miles)	(4)	(4)	(4)	(4)	6,790	12,733	14,137
Cost of service	[3] 14	1,264	2,744	14,618	8,814	[5] 12,939	[5] 14,182

[1] Annual travel in thousands of miles and average cost per mile traveled. Space basis was not in force'
[2] Exclusive of freight and express service to Alaska or New York Harbor service.
[3] 1918 data.
[4] Not computed by Post Office Department until January 1931.
[5] Subject to revision.

Source of tables 407 and 408: Post Office Department, Annual Report of the Postmaster General.

No. 409.—Delivery Service—City and Rural Free Delivery and Star-Route Service: 1870 to 1938

Note.—Free city delivery was inaugurated in 1863; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Star route service in Alaska is not included in the accompanying table, data for 1938 being as follows: Number of routes, 69; length, 10,676 miles; annual travel, 270,998 miles; annual rate of expenditure, $180,771

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost [1] (1,000 dollars)	Number of routes	Length of routes (miles)	Annual travel (1,000 miles)	Annual cost (1,000 dollars)	Number of routes (regular service)	Annual cost (1,000 dollars)
1870	51	1,362	1,231					7,295	5,050
1880	104	2,628	[1] 2,364					9,863	7,321
1890	454	9,066	[1] 7,978					15,887	5,321
1895	604	12,714	12,145					20,733	5,754
1900	796	15,322	14,671	1,259	28,685		420	22,834	5,088
1905	1,144	21,778	20,923	32,110	721,237		20,865	17,199	7,342
1910	1,492	28,715	31,738	41,079	993,068	303,007	36,915	13,425	6,928
1915	1,808	32,902	39,829	43,866	1,067,674	325,305	52,566	11,557	8,713
1920	2,086	36,142	62,841	43,445	1,151,832	348,627	75,562	10,739	11,106
1922	2,229	39,485	75,226	44,186	1,180,448	357,254	84,430	10,715	12,641
1923	2,277	40,134	77,945	44,430	1,190,534	360,256	86,172	10,802	12,610
1924	2,325	43,829	82,904	44,760	1,205,714	363,670	86,765	10,802	12,735
1925	2,401	46,251	93,567	45,189	1,227,654	370,273	102,945	10,906	12,774
1926	2,522	48,238	105,370	45,315	1,249,978	377,046	104,117	10,991	12,955
1927	2,812	50,117	113,301	44,730	1,270,746	383,851	104,447	11,215	12,996
1928	2,890	51,293	117,490	44,288	1,289,613	390,054	105,008	11,472	13,541
1929	2,970	52,719	122,515	43,840	1,316,420	398,444	106,202	11,695	13,969
1930	3,050	53,762	126,426	43,278	1,334,842	404,738	106,378	11,788	14,281
1931	3,098	53,387	126,179	42,412	1,354,759	412,382	106,502	12,089	14,532
1932	3,111	52,767	125,700	41,602	1,358,030	412,084	105,824	12,443	14,765
1933	3,111	51,229	107,410	40,013	1,365,712	414,417	103,693	12,596	14,301
1934	3,111	48,275	96,947	37,108	1,359,895	412,721	92,285	12,237	12,942
1935	3,111	49,084	111,648	34,848	1,355,078	411,361	92,061	11,853	11,367
1936	3,134	53,852	126,371	34,118	1,368,083	415,433	92,438	11,663	10,882
1937	3,173	54,944	133,908	33,601	1,377,088	418,248	91,680	11,572	10,800
1938	3,215	55,713	136,505	33,144	1,387,445	420,107	91,093	11,393	11,035

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

No. 410.—Postal Service Operation—Summary for Principal Items: Years Ended June 30, 1915 to 1938

Note.—For sales of postage stamps and other stamped paper and postage collected on second-class matter see table 405

	1915	1920	1925	1930	1935	1937	1938
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	11,226	13,213	17,387	16,269	13,610	15,109	14,912
Stamped envelopes and wrappers issued (millions)	1,794	2,350	2,997	3,164	1,618	1,664	1,644
Postal cards issued (millions)	976	986	1,497	1,643	1,754	2,226	2,187
Pieces of mail carried [1] (millions)			25,835	27,888	22,332	25,801	26,042
Second-class matter carried:							
Free in county (1,000 pounds)	62,142	61,528	69,195	75,326	57,560	64,738	63,715
Paid at pound rates (1,000 pounds)	1,047,144	1,307,227	1,348,297	1,554,415	1,063,389	1,270,486	1,265,235
Foreign mails dispatched by sea:							
Letters, post cards (1,000 pounds)	3,401	4,608	5,640	7,103	4,602	4,984	5,337
Other articles (1,000 pounds)	22,848	66,725	66,229	83,377	53,056	63,610	63,855
Mail registered:							
Domestic, paid (1,000 pieces)	27,688	56,951	70,512	76,489	41,318	47,840	42,129
International, paid (1,000 pieces)	4,325	11,300	10,903	7,869	3,444	3,604	3,386
Official, free (1,000 pieces)	5,297	8,663	8,414	8,680	10,582	12,072	11,039
Registry fees (1,000 dollars)	3,201	6,825	8,850	12,807	[2] 7,100	[2] 8,130	[2] 7,198
Mail insured:							
Domestic, parcel post (1,000 pieces)	18,012	95,385	152,078	126,421	71,960	83,019	82,026
International (1,000 pieces)			603	649	311	341	310
Total fees paid (1,000 dollars)	941	5,416	8,061	8,775	5,249	6,001	5,911
Mail sent C. O. D.:							
Total pieces sent (1,000)	4,721	20,098	52,362	46,249	31,118	33,433	33,052
Total fees (1,000 dollars)	472	2,070	5,562	5,825	4,298	4,634	4,564

[1] See note 4, table 404.

[2] Not including surcharges (effective July 1, 1932) amounting to $3,815,000 in 1935, $4,268,000 in 1937, and $2,589,000 in 1938.

Source of tables 409 and 410: Post Office Department, Annual Report of the Postmaster General and records.

No. 411.—Postal Service Operation—Number of Offices, Mileage of Rural Routes, and Gross Receipts, by States and Outlying Areas

Division and State	Number of post offices, July 1, 1938	Mileage of rural free-delivery routes, June 30, 1938	Gross postal receipts [1]					
			1920	1925	1930	1935	1937	1938
			In thousands of dollars for years ended June 30					
Grand total	44, 667	1, 387, 445	424, 525	584, 755	686, 351	595, 661	689, 686	691, 682
United States proper	44, 256	1, 387, 389	423, 463	583, 427	684, 610	591, 800	685, 773	687, 797
New England	2, 452	43, 474	32, 276	43, 498	51, 375	46, 111	51, 560	51, 074
Maine	744	12, 280	2, 866	3, 946	3, 912	3, 588	3, 878	3, 871
New Hampshire	357	6, 284	1, 504	2, 035	2, 286	2, 216	2, 479	2, 536
Vermont	361	8, 069	1, 220	1, 540	1, 703	1, 659	1, 786	1, 788
Massachusetts	594	8, 282	18, 913	25, 004	29, 627	25, 890	28, 818	28, 269
Rhode Island	85	1, 287	2, 029	2, 702	3, 297	3, 018	3, 381	3, 308
Connecticut	311	7, 272	5, 744	8, 211	10, 550	9, 740	11, 218	11, 302
Middle Atlantic	5, 220	115, 138	117, 897	161, 532	194, 927	164, 613	191, 615	187, 610
New York	2, 025	49, 440	74, 772	102, 514	125, 072	102, 748	121, 058	116, 513
New Jersey	636	8, 748	9, 512	14, 655	19, 768	18, 553	20, 875	21, 570
Pennsylvania	2, 559	56, 950	33, 613	44, 363	50, 087	43, 312	49, 681	49, 528
East North Central	5, 862	305, 174	107, 343	151, 924	175, 748	143, 663	169, 693	169, 772
Ohio	1, 393	69, 670	24, 800	35, 417	42, 088	34, 046	39, 679	39, 595
Indiana	936	59, 015	9, 226	13, 774	15, 613	13, 388	15, 674	15, 712
Illinois	1, 497	72, 383	51, 357	70, 753	78, 757	62, 916	74, 450	74, 571
Michigan	1, 067	53, 424	13, 199	18, 978	24, 133	20, 048	24, 765	24, 619
Wisconsin	969	50, 682	8, 761	13, 002	15, 157	13, 205	15, 125	15, 275
West North Central	6, 724	331, 417	53, 971	73, 365	80, 641	66, 926	73, 584	74, 217
Minnesota	1, 071	54, 308	10, 847	15, 836	17, 614	15, 089	16, 810	17, 104
Iowa	1, 144	64, 047	9, 302	11, 720	13, 504	10, 932	12, 143	12, 474
Missouri	1, 586	60, 993	18, 624	27, 230	28, 988	22, 748	25, 097	25, 072
North Dakota	643	29, 176	2, 062	2, 360	2, 721	2, 562	2, 711	2, 715
South Dakota	590	25, 297	2, 066	2, 530	2, 750	2, 433	2, 527	2, 547
Nebraska	722	37, 486	5, 504	6, 663	7, 279	6, 217	6, 786	6, 705
Kansas	968	60, 110	5, 476	7, 017	7, 785	6, 945	7, 509	7, 601
South Atlantic	7, 682	194, 832	34, 415	46, 072	52, 293	51, 213	59, 300	60, 635
Delaware	74	3, 053	811	999	1, 233	1, 251	1, 571	1, 607
Maryland	614	11, 512	5, 292	7, 101	8, 519	7, 706	8, 839	8, 846
District of Columbia	1	201	3, 536	4, 771	6, 047	6, 307	7, 389	7, 395
Virginia	1, 916	30, 413	5, 621	7, 236	7, 985	7, 688	8, 638	8, 881
West Virginia	1, 644	11, 914	3, 154	4, 395	4, 611	4, 274	4, 889	4, 952
North Carolina	1, 224	42, 082	4, 138	5, 814	6, 830	7, 475	8, 387	8, 775
South Carolina	531	26, 028	2, 289	2, 530	2, 174	2, 037	2, 409	2, 490
Georgia	959	55, 159	6, 395	7, 734	9, 220	8, 452	9, 824	9, 895
Florida	719	14, 470	3, 179	5, 492	5, 674	6, 023	7, 354	7, 795
East South Central	5, 011	147, 250	15, 546	20, 576	23, 736	21, 330	24, 793	25, 413
Kentucky	2, 395	27, 072	4, 392	6, 283	6, 827	6, 161	6, 943	7, 023
Tennessee	889	45, 217	5, 289	7, 107	8, 546	7, 676	9, 085	9, 295
Alabama	952	39, 255	3, 418	4, 385	5, 108	4, 524	5, 259	5, 496
Mississippi	775	35, 706	2, 447	2, 801	3, 255	2, 969	3, 507	3, 598
West South Central	4, 983	164, 490	24, 678	30, 646	37, 240	33, 206	38, 886	40, 708
Arkansas	1, 155	26, 503	2, 928	3, 585	3, 828	3, 265	3, 787	3, 900
Louisiana	802	16, 174	4, 015	5, 055	5, 486	5, 017	5, 844	6, 187
Oklahoma	917	44, 013	4, 730	5, 889	7, 272	6, 217	7, 097	7, 404
Texas	2, 109	77, 800	13, 005	16, 117	20, 654	18, 707	22, 157	23, 217
Mountain	3, 359	37, 058	12, 178	15, 004	17, 276	15, 914	18, 451	18, 809
Montana	654	6, 772	2, 016	2, 180	2, 446	2, 422	2, 679	2, 649
Idaho	448	6, 933	1, 397	1, 324	1, 513	1, 488	1, 739	1, 783
Wyoming	332	1, 235	712	953	993	992	1, 118	1, 139
Colorado	651	15, 198	4, 398	5, 878	6, 819	5, 929	6, 872	6, 932
New Mexico	520	3, 050	679	900	1, 089	1, 162	1, 394	1, 484
Arizona	286	1, 706	943	1, 137	1, 532	1, 456	1, 792	1, 870
Utah	319	2, 001	1, 647	2, 179	2, 347	1, 928	2, 268	2, 344
Nevada	149	163	386	453	537	537	590	608
Pacific	2, 963	48, 556	25, 158	40, 812	51, 378	48, 823	57, 891	59, 559
Washington	770	15, 884	5, 636	7, 494	8, 719	8, 026	9, 259	9, 420
Oregon	696	10, 566	3, 324	4, 809	5, 436	5, 004	6, 010	6, 162
California	1, 497	22, 106	16, 198	28, 509	37, 223	35, 793	42, 622	43, 978
Outlying offices	411	56	[2] 1, 062	1, 328	1, 740	3, 660	3, 912	3, 885
Alaska	210	----------	82	71	104	98	117	151
Guam	1	----------	1	2	3	3	12	12
Hawaii	94	56	352	611	774	834	1, 158	1, 261
Puerto Rico	99	----------	406	522	527	568	661	741
Samoa (Tutuila)	2	----------	2	2	(3)	(3)	(3)	(3)
Virgin Islands	5	----------	17	11	15	17	20	35
Philatelic agency	----------	----------	----------	109	317	2, 340	1, 945	1, 686

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

Source: Post Office Department, Annual Report of the Postmaster General.

17. COMMUNICATION SYSTEMS

General Note.—This section covers public telephone systems and land (wire) commercial telegraph systems operated in continental United States and commercial cable and radiotelegraph systems operated by companies incorporated in United States.

No. 412.—Telephone Systems—Equipment, Traffic, Employees, Salaries and Wages, Revenue, and Investment: 1912 to 1937

[All money figures in thousands of dollars]

	1912	1917	1922	1927	1932	1937
ALL SYSTEMS						
Number of systems and lines	32, 233	53, 234	57, 253	60, 148	[1] 55, 378	[2] 50, 560
Miles of wire (thousands)	20, 248	28, 827	37, 266	63, 836	87, 678	[2] 90, 831
Number of central offices	[3] 11, 515	[3] 21, 175	[3] 19, 260	20, 227	19, 228	18, 067
Number of telephones (thousands)	8, 730	11, 717	14, 347	18, 523	17, 424	[2] 19, 453
Number of calls originating with systems reporting (millions)	(4)	21, 846	24, 648	31, 614	30, 048	33, 618
Number of employees	(4)	262, 629	312, 015	375, 272	334, 085	333, 162
Salaries and wages	(4)	175, 670	352, 926	486, 597	458, 117	516, 640
Operating revenues [5]	(4)	382, 830	665, 568	1, 023, 574	1, 061, 530	1, 180, 028
Investment in plant and equipment	(4)	1, 492, 329	2, 205, 183	3, 548, 875	4, 791, 903	[2] 5, 001, 803
SYSTEMS REPORTING ANNUAL INCOME OF $5,000 OR MORE, 1912 AND 1917, AND THOSE REPORTING $10,000 OR MORE, 1922–1937						
Number of systems and lines	1, 916	2, 200	1, 323	1, 368	918	846
Miles of wire, total (thousands)	19, 019	27, 298	35, 503	62, 277	86, 484	[6] 89, 571
Underground	9, 165	14, 849	21, 440	39, 893	55, 236	(7)
Overhead	9, 854	12, 449	14, 063	22, 384	31, 248	(7)
Number of central offices	11, 515	12, 294	10, 666	11, 485	12, 724	12, 539
Number of telephones (thousands)	7, 327	9, 954	12, 295	16, 713	16, 284	18, 291
Number of calls originating with systems reporting, total (millions)	13, 736	19, 809	21, 901	29, 196	29, 100	32, 932
Local exchange	13, 395	19, 366	21, 235	28, 109	(7)	31, 952
Long distance or toll	341	443	666	1, 087	(7)	980
Number of employees	183, 361	244, 490	290, 333	356, 739	320, 763	319, 950
Salaries and wages	90, 041	169, 655	341, 538	475, 840	451, 478	510, 695
Operating revenues [5]	244, 476	363, 832	637, 469	996, 912	1, 046, 392	1, 167, 442
Investment in plant and equipment	1, 081, 433	1, 435, 912	2, 129, 774	3, 475, 202	4, 734, 706	4, 941, 286
BELL SYSTEM (INCLUDED ABOVE)						
Miles of wire (thousands)	15, 133	23, 134	30, 614	56, 819	80, 586	81, 578
Number of telephones (thousands)	5, 087	7, 327	9, 515	13, 726	13, 793	15, 332
Number of originating calls (millions)	9, 133	14, 598	16, 567	23, 693	25, 061	27, 667
SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN $5,000, 1912 AND 1917, AND LESS THAN $10,000, 1922–1937						
Number of systems and lines	30, 317	51, 034	55, 930	58, 780	43, 910	[2] 49, 714
Miles of wire (thousands)	1, 229	1, 529	1, 763	1, 559	1, 193	[2] 1, 260
Number of telephones (thousands)	1, 403	1, 763	2, 052	1, 810	1, 140	[2] 1, 162
Number of originating calls (millions)	(8)	2, 037	2, 746	2, 418	948	686

[1] Includes 10,550 connecting lines for which separate reports were not secured; data for such lines, however, were included in reports of operating companies supplying switchboard service.

[2] Includes data for connecting lines having fewer than 5 telephones per line, as follows: 11,759 lines; 29,000 telephones; and estimated figures for other items as follows: 44,000 miles of single wire; and $1,000,000 investment in equipment.

[3] Not reported for systems and lines having less than $5,000 annual income in 1912. For 1917 and 1922, figures represent number of systems and lines reporting central offices; actual number of central offices was probably slightly larger.

[4] Not reported except for systems and lines with income of $5,000 or more.

[5] Including assessments of mutual companies, and miscellaneous operating revenues.

[6] 83,378,000 miles of wire in cable and 6,193,000 not in cable.

[7] No data.

[8] No comparable data available.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Telephones and Telegraphs.

No. 413.—Telephone Systems—Wire Mileage, Number of Telephones and Calls, All Systems and Lines, by States: 1932 and 1937

Division and State	Miles of wire		Number of telephones			Telephones per 1,000 population [1]		Number of originating calls (millions)	
	1932	1937	1927	1932	1937	1932	1937	1932	1937
United States	87, 677, 586	[2] 90, 787, 172	18, 522, 767	17, 424, 406	[2] 19, 424, 200	139	150	30, 048	33, 618
New England	7, 682, 588	7, 777, 976	1, 548, 931	1, 513, 939	1, 606, 031	183	187	2, 458	2, 576
Maine	517, 144	513, 660	131, 367	124, 372	128, 288	155	150	205	202
New Hampshire	288, 990	293, 852	83, 066	79, 506	83, 661	170	164	127	121
Vermont	149, 129	159, 203	60, 793	58, 133	57, 367	161	150	86	85
Massachusetts	4, 099, 247	4, 162, 775	867, 888	832, 740	871, 319	193	197	1, 368	1, 407
Rhode Island	595, 303	608, 496	114, 944	110, 671	117, 239	158	172	176	180
Connecticut	2, 032, 775	2, 039, 990	290, 873	308, 517	348, 157	188	200	496	581
Middle Atlantic	27, 399, 025	27, 714, 601	4, 588, 211	4, 613, 733	4, 874, 183	172	177	6, 905	7, 273
New York	15, 385, 557	15, 365, 969	2, 595, 537	2, 628, 537	2, 712, 329	204	209	4, 000	4, 227
New Jersey	4, 382, 769	4, 554, 521	599, 336	642, 830	698, 782	154	161	838	938
Pennsylvania	7, 630, 699	7, 794, 111	1, 393, 338	1, 342, 366	1, 463, 072	138	144	2, 067	2, 108
East North Central	21, 574, 370	21, 650, 970	4, 589, 751	4, 034, 931	4, 608, 168	156	178	6, 504	7, 248
Ohio	5, 545, 857	5, 688, 439	1, 122, 036	978, 394	1, 146, 985	144	170	1, 712	1, 987
Indiana	2, 223, 608	2, 286, 516	552, 249	444, 996	504, 568	136	145	863	893
Illinois	7, 599, 337	7, 485, 744	1, 685, 690	1, 507, 222	1, 668, 777	193	212	2, 206	2, 388
Michigan	4, 263, 778	4, 246, 680	711, 315	621, 958	759, 600	124	157	982	1, 196
Wisconsin	1, 941, 790	1, 943, 591	518, 461	482, 361	528, 238	162	181	741	784
West North Central	7, 641, 354	7, 794, 619	2, 594, 081	2, 260, 985	2, 372, 735	169	172	3, 960	4, 106
Minnesota	1, 610, 192	1, 680, 935	487, 611	443, 682	499, 771	171	188	849	890
Iowa	1, 310, 798	1, 313, 255	565, 533	484, 879	514, 460	196	202	775	793
Missouri	2, 620, 741	2, 683, 699	657, 946	592, 153	616, 177	162	154	1, 157	1, 207
North Dakota	161, 225	175, 277	86, 198	69, 241	72, 007	101	102	143	111
South Dakota	177, 521	188, 286	107, 641	88, 798	85, 900	127	124	119	119
Nebraska	736, 632	727, 487	295, 274	247, 551	242, 143	178	178	367	418
Kansas	1, 024, 245	1, 025, 680	393, 878	334, 681	342, 277	176	184	550	569
South Atlantic	5, 760, 130	6, 674, 717	1, 262, 222	1, 250, 882	1, 554, 122	78	90	2, 430	3, 161
Delaware	210, 300	245, 518	28, 901	32, 537	41, 225	135	158	58	71
Maryland	1, 076, 460	1, 197, 769	197, 135	212, 014	250, 619	128	149	317	368
District of Columbia	675, 044	840, 674	144, 985	180, 785	226, 957	366	362	235	305
Virginia	876, 581	1, 028, 179	183, 698	196, 950	237, 941	81	88	420	510
West Virginia	445, 781	462, 646	146, 677	134, 150	155, 873	76	84	243	291
North Carolina	706, 820	772, 503	160, 507	143, 710	179, 161	44	51	321	492
South Carolina	290, 599	335, 114	64, 616	57, 215	71, 459	33	38	148	187
Georgia	772, 176	888, 121	173, 410	151, 264	194, 291	52	63	415	555
Florida	706, 360	904, 193	162, 293	142, 251	196, 596	92	118	273	382
East South Central	2, 587, 978	2, 778, 524	644, 270	547, 440	633, 969	55	59	1, 401	1, 630
Kentucky	863, 293	951, 738	222, 735	191, 236	208, 199	72	71	407	430
Tennessee	850, 951	922, 755	220, 559	192, 983	227, 253	73	79	539	652
Alabama	580, 087	590, 061	121, 115	100, 813	125, 292	37	43	282	357
Mississippi	293, 647	313, 970	79, 861	62, 408	73, 225	31	36	173	191
West South Central	5, 028, 077	5, 397, 748	1, 149, 357	1, 002, 389	1, 194, 910	81	93	2, 591	3, 091
Arkansas	366, 944	360, 189	118, 178	86, 676	93, 421	46	46	193	210
Louisiana	694, 367	760, 503	137, 610	132, 735	166, 130	62	78	392	495
Oklahoma	1, 173, 051	1, 249, 638	278, 912	241, 453	280, 937	99	110	571	656
Texas	2, 793, 715	3, 027, 418	614, 657	541, 525	654, 422	90	106	1, 435	1, 730
Mountain	1, 640, 855	1, 796, 089	456, 198	446, 492	529, 207	119	140	802	968
Montana	181, 485	190, 152	59, 238	55, 361	65, 817	103	122	96	114
Idaho	134, 096	146, 380	54, 822	49, 201	61, 927	110	126	93	116
Wyoming	85, 233	89, 402	28, 049	28, 346	32, 320	123	138	49	59
Colorado	717, 589	773, 792	183, 250	179, 063	201, 384	171	188	300	344
New Mexico	84, 722	109, 863	21, 580	23, 100	31, 071	53	74	43	60
Arizona	158, 261	180, 443	33, 194	36, 064	47, 405	80	115	68	93
Utah	231, 113	254, 367	63, 106	60, 082	71, 589	116	138	130	155
Nevada	48, 356	51, 690	12, 959	15, 275	17, 694	164	175	23	28
Pacific	8, 363, 209	9, 201, 928	1, 689, 746	1, 753, 615	2, 050, 875	205	232	2, 997	3, 565
Washington	1, 029, 949	1, 060, 423	299, 109	276, 530	314, 953	174	190	500	603
Oregon	599, 201	638, 654	185, 171	166, 639	180, 501	170	176	307	330
California	6, 734, 059	7, 502, 851	1, 205, 466	1, 310, 446	1, 555, 421	219	253	2, 130	2, 632

[1] Based on population estimates as of Jan. 1, 1933, and July 1, 1937.
[2] Does not include 44,000 miles of single wire and 29,000 telephones on 11,759 connecting lines having fewer than 5 telephones per line.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Telephones and Telegraphs.

No. 414.—Telephones—Number and Wire Mileage in All Systems, and Number of Telephones in the Bell System: 1895 to 1938

Dec. 31—	Total telephones [1]	Total miles of wire [1]	Telephones in Bell System [2]	Dec. 31—	Total telephones [1]	Total miles of wire [1]	Telephones in Bell System [2]
1895	339,500	722,000	309,502	1927	[3] 18,522,767	[3] 63,836,182	18,365,000
1900	1,355,900	2,807,000	855,911	1928	19,341,000	69,130,000	19,197,000
1905	4,126,900	8,470,000	2,530,924	1929	20,068,000	76,460,000	19,958,000
1910	7,635,400	16,937,000	5,882,719	1930	20,201,000	83,110,000	20,098,000
1915	10,523,500	24,792,000	9,172,495	1931	19,690,000	86,100,000	19,596,000
1920	13,329,400	32,000,000	12,601,935	1932	[3] 17,424,406	[3] 87,677,586	17,341,000
1921	13,875,200	34,000,000	13,380,219	1933	16,711,000	87,000,000	16,635,000
1922	[3] 14,347,395	[3] 37,265,958	14,050,565	1934	[4] 16,869,000	86,800,000	[4] 16,797,000
1923	15,369,500	41,400,000	15,000,101	1935	[4] 17,424,000	87,200,000	[4] 17,354,000
1924	16,072,800	46,500,000	15,822,934	1936	[4] 18,433,000	88,100,000	[4] 18,362,000
1925	16,935,900	52,200,000	16,720,224	1937	[3] [4] 19,453,401	[3] 90,831,421	[4] 19,385,000
1926	17,746,000	57,960,000	17,574,252	1938	[4] 19,953,000	92,850,000	[4] 19,885,000

[1] Partly estimated, except as indicated.
[2] Bell-owned and Bell-connecting (owned by other companies).
[3] From Bureau of the Census.
[4] Excludes 80,000 Bell private-line telephones in 1934, 79,000 in 1935, 81,000 in 1936, 82,000 in 1937, and 80,000 in 1938. Prior to 1934 private-line telephones were included.

Source: American Telephone & Telegraph Co., New York, N. Y.; annual report and records.

No. 415.—American Telephone & Telegraph Co. and Principal Telephone Subsidiaries (Bell Telephone System)—Summary: 1920 to 1938

[Figures are as of December 31]

	1920	1925	1930	1935	1937	1938
Telephones (thousands)	8,134	11,910	15,187	13,573	15,332	15,761
Central offices (number)	5,767	6,147	6,639	6,896	6,945	6,975
Miles of pole line	362,481	394,529	428,212	407,454	403,120	399,368
Miles of wire, total (thousands)	24,863	44,943	74,124	78,626	81,583	83,445
In underground cable	14,207	27,769	45,116	47,639	49,527	50,783
In aerial cable	6,945	12,835	23,777	26,425	27,470	28,072
Open wire	3,711	4,339	5,231	4,562	4,586	4,590
Percent total wire mileage in cable	85.1	90.3	92.9	94.2	94.4	94.5
Average daily telephone conversations, total (thousands)	33,125	50,141	64,034	60,290	68,790	69,897
Exchange	31,818	48,051	61,150	58,066	66,210	67,400
Toll and long distance	1,307	2,090	2,884	2,224	2,580	2,497
Total plant (thousand dollars)	1,373,802	2,566,809	4,028,836	4,187,790	4,389,549	4,489,078
Employees (number)	228,943	292,902	318,119	241,169	268,482	257,443

Source: American Telephone & Telegraph Co., New York, N. Y.; annual report.

No. 416.—Radiotelephones—Summary: 1937

Note.—Figures cover all companies and systems licensed by the United States to engage in the reception and transmission of commercial radiotelephone communications. No data are included for radiotelephone stations such as amateur, experimental, Federal, police, fire, etc., which were not licensed to charge fees for receiving or sending calls. The survey covered U. S. licensees in the United States, Alaska, Hawaii, and Puerto Rico, as well as those operating ship stations

Number of companies or systems	27
Number of stations (as of Dec. 31)	132
Operating revenues applicable to the radio link (dollars)	1,212,073
Revenue calls, total number	147,596
Foreign traffic of the U. S. (calls subject to overseas regulations)	[1] 52,507
Ship traffic of the U. S. (calls subject to overseas, coastal, and harbor regulations)	[1] 26,409
Other traffic—Within the United States; [2] within Alaska; [2] within Hawaii; [2] within Puerto Rico; [2] Hawaii and Puerto Rico with other countries except continental U. S.; and Alaska with ships	68,680

[1] Calls originating, terminating, or relayed in the United States.
[2] Originating calls only.

Source: Department of Commerce, Bureau of the Census, Census of Electrical Industries, report on Telephones and Telegraphs.

No. 417.—Telephone Systems—Summary, Class A Carriers: 1926 to 1938

NOTE.—Figures cover Class A telephone carriers which reported for 1938. Class A carriers are those carriers whose average annual operating revenues exceeded $100,000. The gross operating revenues of these identical carriers in 1937 represented approximately 96 percent of the revenues of all telephone carriers as reported for the Census of Electrical Industries for that year. (See table 412.) The figures include data for carriers consolidated and merged prior to 1938, so far as annual data are available. Intercorporate duplications have not been excluded

Year	Miles of wire (thousands)[1]	Number of telephones (thousands)	Employees		Operating revenues	Operating expenses	Operating taxes	Net operating income	Investment in telephone plant	
			Number on Dec. 31	Total compensation					Plant and equipment, total	Investment less depreciation
				Thousands of dollars						
1926	54, 438	14, 372	322, 526	(2)	870, 503	589, 237	73, 294	211, 596	2, 973, 933	2, 372, 451
1927	60, 415	15, 191	327, 839	(2)	948, 206	637, 160	79, 494	225, 628	3, 215, 272	2, 590, 657
1928	65, 826	16, 036	350, 008	(2)	1, 032, 114	690, 998	84, 838	249, 835	3, 481, 213	2, 806, 486
1929	73, 651	16, 979	387, 023	(2)	1, 132, 732	766, 062	87, 126	272, 178	3, 862, 241	3. 137, 828
1930	80, 523	17, 089	346, 312	(2)	1, 166, 447	803, 857	89, 760	263, 580	4, 217, 710	3, 455, 365
1931	84, 289	16, 792	314, 727	(2)	1, 136, 464	768, 118	93, 948	265, 277	4, 384, 959	3, 570, 717
1932	85, 868	14, 980	284, 450	(2)	1, 010, 514	689, 777	89, 603	217, 903	4, 423, 856	3, 577, 704
1933 [3]	82, 203	14, 293	267, 129	369, 139	932, 787	666, 427	87, 837	178, 422	4, 433, 207	3, 503, 712
1934	82, 078	14, 618	267, 674	385, 755	944, 173	665, 189	92, 531	186, 364	4, 442, 414	3, 434, 663
1935	82, 427	15, 112	264, 873	401, 849	996, 631	702, 091	98, 917	195, 554	4, 460, 066	3, 357, 840
1936	83, 189	16, 038	280, 985	433, 066	1, 075, 902	721, 515	121, 261	233, 081	4, 536, 600	3, 349, 100
1937 [3]	85, 456	16, 982	294, 821	488, 424	1, 137, 279	773, 954	142, 067	221, 258	4, 674, 628	3, 413, 557
1938	87, 395	17, 431	285, 550	501, 505	1, 139, 737	783, 964	151, 693	204, 053	4, 783, 082	3, 466, 715

[1] The decrease reflected in data shown for the year 1933 is due mainly to the fact that prior to that year the total of wire jointly owned with other companies was included, whereas from 1933 on, only the respondents' portion of jointly owned wire was included.
[2] Data not reported.
[3] In comparing figures in this table, consideration should be given to the effect of the revision of the Uniform System of Accounts, First Revised Issue, and the issue of June 19, 1935, as amended, resulting in certain changes and rearrangements of both the balance sheet and the income statement.

Source: Federal Communications Commission, Annual Report.

No. 418.—Radiotelegraph Carriers—Summary: 1932 to 1938

NOTE.—**All money figures in thousands of dollars.** Figures show development from 1932 to 1938 of carriers which reported for 1938

	1932	1933	1934	1935	1936	1937	1938
Operating revenues	6, 082	6, 560	7, 926	8, 450	9, 384	10, 720	10, 362
Operating expenses	6, 258	6, 480	7, 377	8, 084	8, 429	8, 899	8, 851
Tax accruals	159	246	275	211	381	640	547
Operating income	[1] *289*	[1] *120*	234	56	513	1, 132	861
Net income	[1] *594*	[1] *326*	[1] *75*	[1] *991*	199	1, 246	254
Revenue messages transmitted (thousands)	4, 544	4, 985	5, 083	6, 719	7, 960	9, 546	8, 831
Number of employees on June 30	1, 876	1, 869	2, 362	2, 803	2, 984	3, 116	3, 161
Total compensation for year	(2)	(2)	3, 711	4, 164	4, 500	5, 134	5, 376
Investment in plant and equipment	28, 322	28, 311	30, 708	31, 183	31, 005	32, 254	32, 594
Capital stock	14, 008	6, 756	7, 465	7, 666	7, 695	7, 784	7, 810
Unmatured funded debt	234	204	3, 664	3, 649	898	3, 520	1, 808

[1] Deficit or other reverse item.
[2] Data not available.

Source: Federal Communications Commission, Annual Report.

No. 419.—Wire-Telegraph Carriers (Land Line and Ocean Cable)—Summary: 1926 to 1938

Note.—Figures show development from 1926 to 1938 of carriers which reported for 1938 and include, for the entire period, carriers consolidated and merged in prior years for which annual report data are available. Intercorporate duplications have not been excluded

Year	Miles of wire (thousands)	Number of revenue messages transmitted (thousands)	Investment in plant and equipment	Operating revenues	Operating ratio (percent) [1]	Operating income	Net income	Dividends	Employees	
			Thousands of dollars			Thousands of dollars			Number on June 30	Total compensation
1926	2,126	199,805	393,083	180,227	80.79	27,056	22,965	14,839	87,175	(2)
1927	2,249	197,114	413,166	177,541	80.12	27,673	23,184	14,344	83,627	(2)
1928	2,357	226,090	428,665	185,113	80.57	28,610	24,028	15,016	85,350	(2)
1929	2,405	213,558	441,184	196,389	81.62	29,517	25,395	22,312	95,024	(2)
1930	2,426	188,777	485,763	176,628	85.59	19,734	13,251	23,664	92,858	(2)
1931	2,394	148,624	497,488	148,492	87.37	13,829	5,519	11,652	79,519	(2)
1932	2,380	130,465	499,674	114,984	89.74	6,654	[3] *2,438*	4,445	67,089	(2)
1933	2,386	147,325	500,714	114,297	84.61	12,248	4,034	2,800	64,163	(2)
1934	2,396	160,553	501,417	118,995	86.36	11,012	1,043	1,781	68,570	73,096
1935	2,398	183,641	500,804	122,153	83.94	14,418	4,241	4,800	66,122	72,138
1936	2,423	200,345	501,666	132,639	82.89	16,805	6,914	1,837	69,951	78,450
1937	2,426	212,490	503,912	135,504	86.62	10,718	1,294	3,082	73,350	85,191
1938	2,428	196,552	505,250	123,288	90.21	4,248	[3] *5,423*	248	63,411	77,417
Western Union Co.: 1938	1,915	150,426	333,313	91,712	88.87	3,975	[3] *1,638*	-------	44,559	59,215
Postal Telegraph-Cable Co. (land-line system): 1938	408	40,288	83,456	21,089	99.87	[3] *1,067*	[3] *4,049*	-------	15,039	13,593

[1] Ratio of operating expenses to operating revenues.
[2] No data.
[3] Deficit or other reverse item.
Source: Federal Communications Commission, Annual Report.

No. 420.—Western Union Telegraph Co.—Line and Wire Mileage, Offices, and Finances: 1867 to 1938

Year ended—	Miles of pole line and cable	Miles of wire	Number of offices	Receipts	Expenses	Net income [1]
June 30—				*Dollars*	*Dollars*	*Dollars*
1867	46,270	85,291	2,565	6,568,925	3,944,006	2,624,920
1870	54,199	112,191	3,972	7,138,738	4,910,772	2,227,966
1875	72,833	179,496	6,565	9,564,575	6,335,415	3,229,158
1880	85,645	233,534	9,077	12,782,895	6,948,957	5,833,938
1885	147,500	462,283	14,184	17,706,834	12,005,910	5,700,924
1890	183,917	678,997	19,382	22,387,029	15,074,304	7,312,725
1895	189,714	802,651	21,360	22,218,019	16,076,630	6,141,389
1900	192,705	933,153	22,900	24,758,570	18,593,206	6,165,364
1905	200,224	1,184,557	23,814	29,033,635	21,845,570	7,188,065
1910	214,360	1,429,049	24,825	33,889,202	26,614,302	7,274,900
Dec. 31—						
1915	238,940	1,610,709	25,142	52,475,721	40,972,541	11,503,180
1920	245,214	1,449,710	24,881	121,473,685	108,134,041	13,339,644
1922	242,729	1,534,009	24,580	107,116,306	93,910,954	13,205,352
1923	244,001	1,557,399	24,678	113,628,470	99,982,165	13,646,305
1924	246,742	1,593,983	24,478	115,235,563	101,815,734	13,419,829
1925	246,307	1,635,236	24,428	129,151,617	112,861,832	16,289,785
1926	249,916	1,668,293	24,688	136,406,026	121,098,832	15,307,194
1927	251,756	1,783,140	24,765	134,460,816	119,328,218	15,132,598
1928	255,088	1,889,632	24,842	139,387,321	123,817,517	15,569,804
1929	256,044	1,934,020	25,061	148,449,854	132,872,815	15,577,039
1930	256,763	1,948,938	24,298	133,235,751	123,987,519	9,248,232
1931	258,652	1,913,485	23,490	110,547,245	104,572,745	5,974,500
1932	258,020	1,899,174	21,950	84,581,963	85,412,568	[2] *830,605*
1933	257,274	1,902,327	21,261	84,993,425	80,628,543	4,364,882
1934	255,781	1,902,799	21,078	88,757,205	86,514,121	2,243,084
1935	254,691	1,905,858	20,964	91,389,312	86,131,234	5,258,078
1936	253,745	1,908,915	20,968	100,036,603	92,837,483	7,199,120
1937	253,367	1,913,452	20,445	102,076,710	98,750,941	3,325,769
1938	252,258	1,914,499	20,025	93,241,467	94,879,346	[2] *1,637,879*

[1] Figures for 1915 and prior years represent net income before bond interest. [2] Deficit.
Source: Western Union Telegraph Co., New York, N. Y.; annual report.

No. 421.—Telegraph Systems, Land and Ocean-Cable—Summary: 1912 to 1937

[All money figures in thousands of dollars]

	All systems						Land systems				Ocean-cable systems			
	1912	1917	1922	1927	1932	1937	1922	1927	1932	1937	1922	1927	1932	1937
Number of companies or systems [1]	28	28	25	25	23	23	19	18	17	17	6	7	6	6
Miles of pole line [2]	247,528	241,128	252,991	256,809	256,661	253,576	252,991	254,720	256,215	250,880	-------	2,089	446	2,696
Miles of single wire, total [3]	1,814,196	1,890,245	1,853,250	2,145,897	2,266,054	2,327,832	1,845,237	2,138,259	2,259,827	2,301,532	8,013	7,638	6,227	26,300
Aerial	(4)	1,809,482	1,718,251	1,940,069	1,956,003	1,983,596	1,714,211	1,936,611	1,952,432	1,971,851	4,040	3,458	3,571	11,745
Underground	(4)	77,187	131,448	200,979	303,912	335,179	127,475	197,058	301,560	323,421	3,973	3,921	2,352	11,758
Under-water, except ocean cable	(4)	3,576	3,551	4,849	6,139	9,057	3,551	4,590	5,835	6,260	-------	259	304	2,797
Nautical miles of ocean cable	67,676	71,251	76,711	99,074	96,468	103,671	-------	-------	-------	-------	76,711	99,074	96,468	103,671
Nautical miles of single wire in ocean cable	(4)	(4)	(4)	(4)	(4)	105,413	-------	-------	-------	-------	(4)	(4)	(4)	105,413
Number of offices	30,864	28,940	27,354	27,666	26,047	25,522	27,214	27,530	25,901	25,453	140	136	146	69
Operated jointly with other companies	[5] 26,247	23,321	21,935	21,491	19,574	19,201	21,933	21,480	19,569	19,200	2	11	5	1
Messages sent, total (thousands)	109,378	[6] 127,074	191,121	229,582	158,378	218,116	181,519	215,595	147,941	206,987	9,603	13,987	10,437	11,129
Governmental	(4)	4,597	3,199	2,732	3,655	8,619	3,130	2,657	3,583	8,513	69	75	72	106
Full commercial rate	(4)	110,618	175,847	214,164	146,162	200,901	166,730	200,381	135,797	190,008	9,117	13,784	10,365	10,892
Contract rate and free	(4)	11,858	12,075	12,686	8,561	8,596	11,659	12,557	8,561	8,466	417	129	-------	130
Number of employees—June 30	[7] 44,811	64,723	68,632	81,498	66,723	73,457	62,299	74,903	60,933	68,054	6,333	6,595	5,790	5,403
Dec. 31	(4)	(4)	(4)	(4)	(4)	69,737	(4)	(4)	(4)	64,254	(4)	(4)	(4)	5,483
Salaries and wages	[7] 24,965	43,764	76,162	99,520	73,949	85,336	68,737	89,984	66,988	77,928	7,425	9,536	6,961	7,408
Operating revenues	60,403	106,990	146,805	177,589	114,656	[8] 135,792	[9] 128,631	[9] 159,682	97,729	117,032	[9] 18,174	[9] 17,907	16,927	18,760
Taxes assignable to operations during year, total	1,187	5,397	6,894	7,065	4,427	6,964	[9] 5,573	[9] 6,182	[9] 4,034	[9] 6,357	[9] 1,321	[9] 883	[9] 393	[9] 608
Federal	(4)	(4)	(4)	(4)	(4)	1,221	(4)	(4)	(4)	949	(4)	(4)	(4)	272
Other	(4)	(4)	(4)	(4)	(4)	5,743	(4)	(4)	(4)	5,407	(4)	(4)	(4)	336
Investment in plant and equipment	222,047	243,358	326,662	426,699	506,445	506,765	[9] 254,030	[9] 338,143	[9] 415,694	[9] 418,231	[9] 72,632	[9] 88,556	[9] 90,751	[9] 88,533
Dividends paid	6,180	9,817	10,716	14,199	(4)	3,119	(4)	8,191	(4)	1,604	(4)	6,008	(4)	1,514

[1] The Western Union Telegraph Co., which operates both land and ocean-cable systems, is counted as two companies.
[2] Exclusive of pole line owned and operated wholly by railway companies.
[3] Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of $1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles; 1932, 337,059 miles; 1937, 318,116 miles.
[4] Not available.
[5] Data are for land systems only.
[6] Excluding 31,102,577 lettergrams not distributed according to rate.
[7] Number of employees includes 7,516 messengers whose wages are not included in amount given for salaries and wages.
[8] In addition, telegraph revenues amounting to $25,899,000 were reported by companies primarily engaged in supplying telephone service.
[9] Data for ocean-cable business of Western Union Telegraph Co. included with those for land systems.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Telephones and Telegraphs.

18. POWER

[Data in this section relate to continental United States]

No. 422.—Energy From Mineral Fuels and Water Power—Annual Supply, by Source: 1871 to 1937

NOTE.—The figures, except coal equivalent, represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units. Data represent production, except those for oil imports, and take no account of exports, imports, or changes in stocks

Annual average or year	Anthracite	Bituminous	Total coal	Domestic oil	Natural gas	Imported oil	Water power [1]	Grand total fuels and water power	Equivalent in bituminous coal [2]	
									Million tons of 2,000 lbs.	Per capita, tons
1871-75	637	754	1,391	49	--------	--------	(1)	1,520	58	1.4
1876-80	718	955	1,673	101	--------	--------	(1)	1,857	71	1.5
1881-85	985	1,863	2,848	153	[3] 24	--------	(1)	3,110	119	2.2
1886-90	1,195	2,474	3,669	198	[3] 264	--------	(1)	4,221	161	2.7
1891-95	1,453	3,286	4,739	307	[3] 166	--------	104	5,316	203	3.0
1896-1900	1,513	4,493	6,006	357	[3] 198	--------	129	6,690	255	3.5
1901-05	1,818	7,140	8,958	612	323	--------	209	10,102	386	4.8
1906-10	2,207	9,783	11,990	1,037	470	1	369	13,867	529	5.9
1911-15	2,427	11,527	13,954	1,486	619	72	591	16,722	638	6.6
1916-20	2,523	13,981	16,504	2,176	820	297	851	20,648	788	7.6
1921-25	2,112	12,610	14,722	3,888	1,024	569	1,105	21,308	813	7.3
1926-30	2,084	13,595	15,679	5,375	1,760	408	1,781	25,002	954	8.0
1931-35	1,460	9,207	10,667	5,336	1,824	230	1,931	19,988	763	6.1
1933	1,348	8,741	10,089	5,434	1,672	191	1,931	19,317	737	5.9
1934	1,555	9,415	10,970	5,448	1,904	213	1,896	20,431	780	6.2
1935	1,419	9,756	11,175	5,980	2,060	193	2,207	21,615	825	6.5
1936	[4] 1,485	11,504	12,989	6,598	2,330	194	[5] 2,256	24,367	930	7.3
1937 (preliminary)	[4] 1,385	11,592	12,977	7,666	2,526	165	2,405	25,739	982	7.7

[1] Fuel equivalent is calculated from kilowatt-hours of power produced wherever available, as is true of all public-utility plants since 1919. Otherwise fuel equivalent is calculated from reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in total.
[2] Calculated at 26,200,000 British thermal units per ton.
[3] Based on amount of coal displaced by gas, as estimated by gas companies.
[4] Not including bootleg or stolen coal; if this were included energy for anthracite and total energy in 1936 and 1937 would be increased by approximately 65 trillion B. t. u.
[5] Subject to revision.

Source: Figures for 1936 and prior years, Department of Interior, Bureau of Mines. Figures for 1937, National Bituminous Coal Commission, now Bituminous Coal Division of Department of Interior. Published by Department of Interior, Bureau of Mines, in Minerals Yearbook.

No. 423.—Generating Plants—Installed Capacity, by Type of Prime Mover: 1920 to 1938

NOTE.—In kilowatts. See headnote, table 424

Year	Total	Type of prime mover			Hydro as percent of total
		Hydro	Steam	Internal combustion	
1920	14,372,009	3,786,595	10,490,944	94,470	26.3
1921	15,282,014	3,965,650	11,221,724	94,640	25.9
1922	15,949,913	4,200,860	11,646,655	102,398	26.3
1923	17,433,118	4,597,524	12,721,552	114,042	26.4
1924	19,493,376	5,149,781	14,216,155	127,440	26.4
1925	23,512,000	6,158,849	17,166,846	186,305	26.2
1926	25,392,322	6,647,346	18,551,524	193,452	26.2
1927	27,020,915	7,134,143	19,683,534	203,238	26.4
1928	29,714,017	8,060,771	21,335,347	317,899	27.1
1929	31,622,591	8,166,479	23,129,693	326,419	25.8
1930	34,055,319	8,941,020	24,695,862	418,437	26.3
1931	35,369,664	9,444,771	25,474,380	450,513	26.7
1932	35,991,317	9,583,009	25,921,209	487,099	26.6
1933	36,242,916	9,736,063	26,008,665	498,188	26.9
1934	35,791,072	9,741,739	25,524,206	525,127	27.2
1935	36,074,442	9,795,138	25,708,209	571,095	27.2
1936	36,564,442	10,436,493	25,519,062	608,887	28.5
1937	37,134,382	10,576,614	25,872,720	685,048	28.5
1938	39,042,105	11,066,063	27,202,844	773,198	28.3

Source: Federal Power Commission, Electric Power Statistics.

No. 424.—Electric Energy—Production, by Type of Prime Mover: 1920 to 1938

NOTE.—**In thousands of kilowatt-hours.** Figures in this table and those in table 423 and in tables 425 to 429 are based on the operation of approximately 4,088 power plants in 1938 and represent the net output of the following types of plants: Privately owned electric utilities, that portion of mining and manufacturing plants that is devoted to public use, railways and railroads, municipal electric utilities, Bureau of Reclamation, other Federal projects, cooperatives, power districts, State projects and publicly owned noncentral stations. The output of manufacturing plants generating exclusively for private use is not included.

Year	Total	Type of prime mover			Hydro as percent of total
		Hydro	Steam	Internal combustion	
1920	43, 334, 282	15, 949, 050	27, 218, 273	166, 959	36. 8
1921	40, 886, 083	14, 879, 593	25, 831, 166	175, 324	36. 4
1922	47, 521, 031	17, 091, 953	30, 238, 485	190, 593	36. 0
1923	55, 554, 567	19, 232, 513	36, 112, 791	209, 263	34. 6
1924	58, 887, 015	19, 844, 665	38, 809, 011	233, 339	33. 7
1925	65, 751, 137	22, 233, 423	43, 223, 181	294, 533	33. 8
1926	73, 688, 669	26, 071, 692	47, 279, 097	337, 880	35. 4
1927	79, 364, 895	29, 028, 596	49, 997, 324	338, 975	36. 6
1928	86, 557, 804	33, 389, 239	52, 609, 015	559, 550	38. 6
1929	95, 926, 226	33, 190, 745	62, 160, 462	574, 019	34. 6
1930	94, 651, 597	31, 737, 724	62, 277, 888	635, 985	33. 5
1931	90, 728, 821	29, 579, 863	60, 505, 175	643, 783	32. 6
1932	82, 376, 772	33, 321, 857	48, 456, 610	598, 305	40. 5
1933	84, 736, 229	34, 058, 562	50, 094, 064	583, 603	40. 2
1934	90, 805, 524	33, 713, 222	56, 450, 551	641, 751	37. 1
1935	98, 464, 073	39, 034, 152	58, 649, 829	780, 092	39. 6
1936	112, 181, 242	39, 516, 274	71, 755, 938	909, 030	35. 2
1937	121, 836, 813	44, 489, 183	76, 329, 917	1, 017, 713	36. 5
1938	116, 681, 423	44, 834, 410	70, 727, 426	1, 119, 587	38. 4

No. 425.—Generating Plants—Installed Capacity, by Class of Ownership: 1920 to 1938

NOTE.—**In thousands of kilowatts.** See headnote, table 424

Year	Total all classes of ownership	Privately owned			Publicly owned				
		Electric utilities	Mining and manufacturing	Railways and railroads	Municipal electric utilities	Bureau of Reclamation	Other	Cooperatives, power districts, State projects	Noncentral stations
1920	14, 372	12, 022	113	1, 545	601	10	--------	22	58
1921	15, 282	12, 797	95	1, 668	632	10	--------	22	58
1922	15, 950	13, 419	88	1, 670	685	10	--------	21	56
1923	17, 433	14, 787	100	1, 691	752	14	--------	32	57
1924	19, 493	16, 740	135	1, 678	824	14	--------	44	58
1925	23, 512	20, 045	268	1, 772	1, 125	14	184	40	56
1926	25, 392	21, 819	274	1, 732	1, 204	22	184	99	59
1927	27, 021	23, 418	369	1, 573	1, 210	25	184	131	112
1928	29, 714	25, 990	445	1, 464	1, 347	29	184	139	115
1929	31, 623	27, 953	420	1, 363	1, 417	30	184	138	117
1930	34, 055	30, 285	438	1, 232	1, 602	32	194	154	117
1931	35, 370	31, 498	431	1, 240	1, 696	36	194	154	119
1932	35, 991	32, 033	388	1, 216	1, 828	38	194	155	139
1933	36, 243	32, 118	503	1, 198	1, 879	38	194	171	142
1934	35, 791	31, 547	449	1, 223	1, 963	38	260	172	138
1935	36, 074	31, 820	449	1, 190	2, 002	38	262	175	139
1936	36, 564	31, 787	447	1, 036	2, 164	407	396	184	144
1937	37, 134	31, 958	494	1, 021	2, 476	407	425	207	146
1938	39, 042	33, 246	559	991	2, 631	572	584	310	149

Source of tables 424 and 425: Federal Power Commission, Electric Power Statistics.

No. 426.—Electric Energy—Production, by Class of Ownership: 1920 to 1938

Note.—In millions of kilowatt-hours. See headnote, table 424

Year	Total all classes of ownership	Privately owned			Publicly owned				
		Electric utilities	Mining and manufacturing	Railways and railroads	Municipal electric utilities	Bureau of Reclamation	Other	Cooperatives, power districts, State projects	Noncentral stations
1920	43,334	37,716	176	3,754	1,373	58	--------	94	163
1921	40,886	35,456	161	3,545	1,422	53	--------	88	161
1922	47,521	41,660	216	3,672	1,637	56	--------	103	177
1923	55,555	49,044	321	4,005	1,852	63	--------	90	180
1924	58,887	52,315	395	3,830	1,940	57	--------	161	189
1925	65,751	58,685	485	3,815	2,302	59	44	172	189
1926	73,689	65,480	577	3,759	2,835	79	439	335	185
1927	79,365	70,920	724	3,223	3,051	104	564	536	243
1928	86,558	78,207	735	3,029	3,245	134	222	612	374
1929	95,925	87,514	780	2,965	3,497	128	172	451	418
1930	94,652	86,114	790	2,750	3,604	147	306	513	428
1931	90,729	82,596	789	2,590	3,435	142	355	421	401
1932	82,377	74,488	596	2,388	3,517	150	295	572	371
1933	84,736	76,668	740	2,256	3,583	168	290	654	377
1934	90,806	82,079	1,193	2,355	3,834	152	205	565	423
1935	98,464	89,330	830	2,346	4,229	156	399	732	442
1936	112,181	102,203	667	2,198	4,705	284	789	801	444
1937	121,837	110,464	784	2,140	5,270	1,326	517	863	473
1938	116,681	104,090	857	2,012	5,240	1,700	1,329	994	459

No. 427.—Consumption of Fuel for Production of Electric Energy: 1920 to 1938

Note.—See headnote, table 424

Calendar year	Consumption of fuel			Consumption of coal and coal equivalent of other fuels (thousand tons [1] [3])	Output by fuels (million kilowatt-hours [4])	Consumption per kilowatt hour (pounds)
	Coal (thousand tons [1])	Fuel oil (thousand barrels [2])	Gas (million cubic feet)			
1920	42,938	10,466	21,861	46,154	27,228	3.39
1921	31,575	12,046	23,716	34,916	25,864	2.70
1922	34,171	13,224	27,181	37,770	30,216	2.50
1923	38,966	14,681	31,486	43,306	36,088	2.40
1924	37,503	16,643	48,465	42,687	38,806	2.20
1925	40,217	10,264	46,526	45,431	43,268	2.10
1926	41,329	9,430	53,694	46,107	47,289	1.95
1927	41,887	6,784	62,922	46,001	50,001	1.84
1928	41,390	7,154	77,426	46,471	52,808	1.76
1929	44,934	10,185	112,621	52,639	62,295	1.69
1930	42,910	9,263	120,297	50,636	62,513	1.62
1931	38,714	8,129	139,274	47,113	60,791	1.55
1932	30,296	7,967	107,840	36,698	48,931	1.50
1933	30,575	9,953	102,726	37,151	50,546	1.47
1934	33,561	10,391	127,892	41,832	56,914	1.47
1935	34,164	11,378	125,239	43,198	59,176	1.46
1936	42,025	14,119	156,080	51,987	72,188	1.44
1937	44,766	14,143	171,268	55,142	76,883	1.43
1938	40,212	13,077	170,688	50,574	71,525	1.41

[1] Of 2,000 pounds.
[2] Of 42 gallons.
[3] Includes fuel used for standby purposes.
[4] Output by use of wood not included.

Source of tables 426 and 427: Federal Power Commission, Electric Power Statistics.

No. 428.—Generating Plants—Installed Capacity, by States: 1938

[In thousands of kilowatts. See headnote, table 424]

Division and State	Total	Type of prime mover			Class of ownership					
					Privately owned			Publicly owned		
		Hydro	Steam	Internal combustion	Total	Electric utilities	Other	Total	Municipal electric utilities	Other
United States	**39,042**	**11,066**	**27,203**	**773**	**34,796**	**33,246**	**1,550**	**4,246**	**2,631**	**1,615**
New England	**2,953**	**843**	**2,097**	**13**	**2,869**	**2,585**	**284**	**84**	**76**	**9**
Maine	240	183	56	1	238	234	4	2	2	1
New Hampshire	297	235	61	1	296	295	(1)	1	1	------
Vermont	177	164	12	(1)	168	160	8	9	9	------
Massachusetts	1,331	167	1,156	9	1,272	1,063	209	60	54	6
Rhode Island	235	3	231	(1)	233	233	------	2	------	2
Connecticut	673	91	581	1	663	600	64	9	9	------
Middle Atlantic	**9,589**	**1,570**	**7,985**	**34**	**9,442**	**8,938**	**504**	**147**	**129**	**18**
New York	5,444	1,168	4,254	22	5,354	4,871	484	89	74	15
New Jersey	1,128	7	1,118	3	1,114	1,105	9	14	11	3
Pennsylvania	3,017	395	2,613	9	2,973	2,962	11	44	43	(1)
East North Central	**8,742**	**708**	**7,972**	**61**	**8,036**	**7,973**	**63**	**706**	**585**	**121**
Ohio	2,359	13	2,338	8	2,174	2,149	25	185	184	1
Indiana	1,230	35	1,184	11	1,059	1,045	15	171	170	1
Illinois	2,430	51	2,368	11	2,323	2,317	6	107	75	32
Michigan	1,767	344	1,405	18	1,567	1,566	1	201	115	85
Wisconsin	956	266	677	13	913	896	17	43	41	2
West North Central	**3,043**	**532**	**2,244**	**267**	**2,476**	**2,349**	**127**	**567**	**492**	**75**
Minnesota	672	156	492	24	576	470	106	96	96	------
Iowa	644	128	460	57	571	552	19	74	72	1
Missouri	749	151	555	43	676	676	------	73	73	------
North Dakota	74	------	67	7	66	66	------	8	8	------
South Dakota	77	4	44	28	59	59	------	17	17	------
Nebraska	350	86	218	45	210	210	(1)	140	66	74
Kansas	477	7	408	61	317	315	2	159	159	------
South Atlantic	**4,638**	**1,986**	**2,582**	**70**	**4,413**	**4,069**	**344**	**225**	**201**	**24**
Delaware	37	------	33	3	28	28	------	8	8	------
Maryland	633	271	354	7	621	619	2	12	12	(1)
Dist. of Columbia	257	2	255	------	255	255	------	2	------	2
Virginia	498	107	382	9	464	417	46	34	28	7
West Virginia	673	101	568	5	673	636	37	(1)	(1)	(1)
North Carolina	1,047	652	389	6	1,001	749	252	46	43	3
South Carolina	634	500	131	3	631	625	5	4	3	1
Georgia	481	337	142	2	462	461	1	19	12	8
Florida	377	14	329	34	278	278	1	99	96	3
East South Central	**1,950**	**1,165**	**760**	**26**	**1,403**	**1,310**	**93**	**547**	**58**	**489**
Kentucky	356	105	247	3	340	339	(1)	16	16	(1)
Tennessee	599	390	206	3	407	326	81	192	16	176
Alabama	933	670	258	5	622	610	12	310	2	308
Mississippi	63	------	48	14	34	34	------	29	24	5
West South Central	**1,926**	**139**	**1,622**	**165**	**1,738**	**1,725**	**13**	**189**	**150**	**39**
Arkansas	156	67	78	12	140	138	2	17	17	------
Louisiana	331	------	300	31	299	296	3	32	32	------
Oklahoma	364	2	318	44	320	319	1	44	44	------
Texas	1,075	71	926	78	979	972	7	96	57	39
Mountain	**1,950**	**1,382**	**483**	**86**	**1,227**	**1,151**	**76**	**723**	**58**	**665**
Montana	333	322	8	3	332	332	(1)	(1)	(1)	(1)
Idaho	260	257	1	2	232	232	(1)	27	8	20
Wyoming	51	16	32	4	35	30	5	16	2	14
Colorado	285	64	212	9	251	217	34	34	32	1
New Mexico	103	1	84	18	100	100	------	2	2	(1)
Arizona	251	127	85	39	119	85	34	132	(1)	132
Utah	160	91	60	9	145	145	------	15	14	1
Nevada	509	504	3	3	12	9	3	497	(1)	497
Pacific	**4,251**	**2,741**	**1,457**	**52**	**3,193**	**3,147**	**46**	**1,058**	**883**	**175**
Washington	1,012	794	216	2	604	586	19	408	402	5
Oregon	446	265	175	6	339	336	2	107	21	87
California	2,793	1,682	1,066	44	2,250	2,225	25	543	460	83

[1] Less than 500.

Source: Federal Power Commission, Electric Power Statistics.

No. 429.—Electric Energy—Production, by States: 1938

[In millions of kilowatt-hours. See headnote, table 424]

Division and State	Total	Type of prime mover			Class of ownership					
					Privately owned			Publicly owned		
		Hydro	Steam	Internal combustion	Total	Electric utilities	Other	Total	Municipal electric utilities	Other
United States	116,681	44,834	70,727	1,120	106,959	104,090	2,869	9,722	5,240	4,482
New England	7,366	3,312	4,032	21	7,208	6,833	375	158	132	26
Maine	826	818	7	1	820	812	7	6	3	2
New Hampshire	735	696	37	1	731	731	(1)	3	3	-------
Vermont	669	669	(1)	(1)	648	631	17	21	21	-------
Massachusetts	3,030	737	2,276	17	2,927	2,693	234	103	89	14
Rhode Island	516	12	503	(1)	507	507	-------	9	-------	9
Connecticut	1,591	379	1,209	2	1,575	1,459	115	16	16	-------
Middle Atlantic	29,939	8,295	21,590	53	29,614	28,250	1,364	324	225	99
New York	16,106	6,504	9,565	36	15,884	14,581	1,303	221	133	88
New Jersey	3,856	40	3,811	5	3,826	3,791	36	30	19	11
Pennsylvania	9,977	1,751	8,214	12	9,904	9,878	26	73	73	1
East North Central	26,416	3,030	23,299	87	24,826	24,637	190	1,589	1,223	367
Ohio	7,287	27	7,249	11	6,862	6,777	85	425	424	1
Indiana	3,991	140	3,835	16	3,679	3,628	51	312	310	2
Illinois	7,081	266	6,798	18	6,788	6,771	17	293	133	159
Michigan	5,295	1,317	3,956	22	4,853	4,849	3	443	241	202
Wisconsin	2,762	1,280	1,461	21	2,645	2,612	33	117	114	3
West North Central	7,552	2,099	4,996	458	6,649	6,419	230	903	887	16
Minnesota	1,462	632	789	41	1,311	1,119	192	151	151	-------
Iowa	2,128	937	1,084	107	1,988	1,955	34	139	138	1
Missouri	1,666	446	1,149	70	1,531	1,531	-------	134	134	-------
North Dakota	206	-------	197	9	195	195	-------	11	11	-------
South Dakota	147	11	88	48	111	111	-------	37	37	-------
Nebraska	722	52	592	78	600	600	(1)	122	108	15
Kansas	1,222	21	1,098	104	913	909	4	309	309	-------
South Atlantic	13,177	5,808	7,279	90	12,700	12,269	431	476	398	78
Delaware	13	-------	9	4	1	1	-------	12	12	-------
Maryland	2,046	1,353	685	7	2,023	2,021	2	22	22	(1)
District of Columbia	873	13	860	-------	860	860	-------	13	-------	13
Virginia	1,622	376	1,232	14	1,544	1,439	105	79	53	25
West Virginia	2,558	450	2,107	1	2,557	2,490	67	1	(1)	(1)
North Carolina	2,186	1,382	794	11	2,101	1,870	231	86	77	8
South Carolina	1,364	1,120	241	4	1,359	1,336	23	6	5	(1)
Georgia	1,492	1,086	403	2	1,454	1,453	1	38	13	24
Florida	1,022	28	948	46	801	798	2	221	215	7
East South Central	5,760	4,143	1,610	27	4,378	4,295	83	1,402	104	1,297
Kentucky	881	363	515	3	844	844	(1)	37	36	1
Tennessee	1,754	1,191	560	2	1,326	1,295	32	428	28	400
Alabama	3,072	2,589	481	3	2,167	2,116	51	905	9	896
Mississippi	73	-------	54	19	41	41	-------	32	32	(1)
West South Central	6,394	239	5,942	213	6,057	6,035	22	337	327	11
Arkansas	224	120	91	13	199	195	4	25	25	-------
Louisiana	1,645	-------	1,604	40	1,571	1,568	3	74	74	-------
Oklahoma	1,062	2	990	70	973	971	2	89	89	-------
Texas	3,464	117	3,257	90	3,314	3,301	12	150	139	11
Mountain	5,977	4,853	982	142	3,802	3,706	96	2,175	133	2,043
Montana	1,324	1,301	20	3	1,322	1,321	1	2	(1)	1
Idaho	992	991	(1)	1	848	848	(1)	144	27	117
Wyoming	139	47	88	4	93	79	14	46	4	42
Colorado	731	249	467	15	660	615	45	71	64	8
New Mexico	262	2	235	25	257	257	-------	5	5	(1)
Arizona	697	462	148	87	253	227	26	444	(1)	444
Utah	340	322	13	5	302	302	-------	39	33	5
Nevada	1,491	1,479	10	2	67	57	10	1,424	(1)	1,424
Pacific	14,081	13,056	997	28	11,724	11,646	78	2,357	1,811	546
Washington	3,401	3,239	160	1	2,564	2,544	20	837	805	32
Oregon	1,254	1,002	243	9	1,172	1,168	4	82	59	22
California	9,427	8,816	594	17	7,988	7,934	54	1,438	947	491

[1] Less than 500,000.

Source: Federal Power Commission, Electric Power Statistics.

No. 430.—Electric Light and Power Industry—Summary: 1902 to 1937

Note.—Figures cover all establishments engaged either in the generation and distribution of electric energy, or the distribution or transmission of electric energy, to public or private consumers. Statistics do not include establishments which consume all current generated, such as manufacturing and mining companies, railroads, railways, hotels, and other enterprises not in the nature of public utilities, unless a portion of their generated output is sold commercially. Plants operated by the Federal Government or by States were not included unless energy was sold commercially. For classification of reporting sources for 1937, see table 431.

	1902	1912	1917	1922	1927	1932	1937
Number of reporting establishments,[1] total	3,620	5,221	6,542	6,355	4,335	3,429	3,501
Generating all or part of current	(2)	4,646	5,124	4,389	2,331	1,788	1,812
Distributing or transmitting only	(2)	575	1,418	1,966	2,004	1,641	1,689
Number of separate generating stations	(2)	(2)	5,952	5,444	4,801	4,339	[3] 4,027
Prime movers, hp. (thousands)	1,845	7,530	12,937	19,851	35,710	47,967	50,220
Steam engines	1,394	1,895	1,702	1,371	994	649	712
Steam turbines		3,054	6,747	12,355	24,323	32,904	33,177
Internal-combustion engines	12	111	210	303	548	881	1,101
Hydroturbines and water wheels	439	2,469	4,277	5,822	9,844	13,532	15,230
Generators, by type of prime mover, rated kilowatt capacity (thousands)	1,212	5,165	8,994	14,313	25,811	34,623	36,481
Steam engines	(2)	(2)	6,209	9,963	697	453	521
Steam turbines	(2)	(2)			17,848	24,033	24,600
Internal-combustion engines	(2)	(2)			417	598	762
Hydroturbines and water wheels	(2)	(2)	2,786	4,351	6,850	9,540	10,598
Output,[4] kilowatt-hours (millions)		14,183	31,044	50,274	96,829	111,716	168,300
Reported as generated	2,507	11,569	25,438	40,292	74,686	79,657	121,097
By steam	(2)	(2)	(2)	(2)	45,391	45,375	74,230
By internal-combustion	(2)	(2)	(2)	(2)	577	715	1,089
By water	(2)	(2)	(2)	(2)	28,718	33,567	45,779
Reported as purchased or received from other sources	(2)	2,614	5,606	9,983	22,142	32,058	47,202
Number of customers (thousands)	(2)	3,838	7,179	12,710	21,790	23,862	27,219
Ultimate consumers	(2)	(2)	(2)	(2)	21,786	23,858	27,216
Resale	(2)	(2)	(2)	(2)	4	3	3
Revenue from elec. service ($1,000)	384,187	[5] 287,139	[5] 502,060	[5] 1,020,439	1,802,655	1,975,304	2,356,513
Ultimate consumers	(2)	255,961	444,535	945,428	1,667,046	1,821,106	2,177,617
Resale	(2)	31,177	57,525	75,011	135,610	154,198	178,896
Kilowatt-hours sold (millions)	(2)	(2)	25,752	41,965	79,011	88,265	132,930
Ultimate consumers	(2)	(2)	18,287	32,948	63,612	65,896	103,070
Resale	(2)	(2)	7,465	9,017	15,399	22,369	29,859
Kilowatt-hours distributed for other purposes (nonrevenue) (millions)	(2)	(2)	(2)	(2)	17,817	23,451	35,370
Not reported sold	(2)	(2)	(2)	(2)	5,342	9,759	17,456
Energy lost in transmission, distribution, conversion, etc.	(2)	(2)	(2)	7,135	12,476	13,692	17,914
Percent loss (based on total output)	(2)	(2)	(2)	14.2	12.9	12.3	10.6
Employees, number	30,326	79,335	105,541	150,762	251,020	244,573	[6] 281,335
Salaries and wages ($1,000)	20,647	61,162	95,242	212,433	[7] 367,632	[8] 323,880	470,353
Operating expenses (includes cost of fuel, purchased and interchanged power, maintenance and other operating expenses) ($1,000)	(2)	(2)	(2)	553,068	[7] 750,484	803,100	1,042,193
Value of electric utility plant (millions of dollars)	505	2,176	3,060	4,465	[9] 9,297	12,664	12,941
Fuel used for electric generation: [10]							
Coal, anthracite (1,000 short tons)	(2)	(2)	2,442	1,835	2,002	1,559	2,024
Coal, bituminous (1,000 short tons)	(2)	(2)	19,385	24,492	35,681	25,998	40,469
Coke (1,000 short tons)	(2)	(2)	63	37	32	153	88
Fuel oil (1,000 bbls. of 42 gals.)	(2)	(2)	6,158	11,856	7,146	7,868	13,896
Gasoline (1,000 bbls. of 42 gals.)	(2)	(2)					3
Gas, manufactured (1,000,000 cubic feet)	(2)	(2)	14,199	20,174	6,161	1,936	4,878
Gas, natural (1,000,000 cubic feet)	(2)	(2)			59,362	96,365	159,453

[1] The term "establishment" as here used may represent a single electric station (either generating or distributing or both) or a number of such stations operated under the same ownership. [2] Not available.

[3] Comprises 1,112 stations operated by steam; 1,283 by internal-combustion; 1,426 by water; and 206 composite (stations having more than 1 type of prime mover).

[4] Comprises generated output and energy purchased and received from other sources. Since the energy "Received from other sources" was, in a large part, purchased from other electric light and power companies, a considerable duplication is involved, as such energy would also be included in the "Generated."

[5] Includes "Estimated value of free service." [6] Number on June 30.

[7] Reported by commercial establishments only. No data for municipal establishments.

[8] Not comparable with figures for other years since amount includes only salaries and wages chargeable to electric operating service.

[9] Includes value of plant and equipment, $902,000,000, owned by companies engaged in the operation of electric light and power plants and other public utilities, not distributed among the several utilities.

[10] In addition, hogged fuel, sawmill, and other waste were reported.

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

No. 431.—Electric Light and Power Industry—Generating Facilities, Energy Generated, and Fuel Consumed, by Reporting Sources: 1937

Note.—The system of classification by reporting sources, as shown in this table, is a new one recently adopted by the Bureau of the Census in collaboration with the Federal Power Commission. This classification differs slightly from that employed by the Federal Power Commission. (See, headnote table 424.) The differences in the figures are due mainly (1) to the inclusion in the census survey of data for certain small concerns not canvassed by the Federal Power Commission, and (2) to the inclusion in the Federal Power Commission survey of data for a larger proportion of the energy output of certain concerns grouped under "Other sources" than is accounted for in the census survey.

	All sources	Privately owned electric utilities	Municipally owned electric utilities	Cooperatives, power districts, etc.	Federal and State	Other sources[1]
Number of reporting establishments, companies or systems	3,501	1,340	1,860	181	25	95
Number generating all or part of current	1,812	818	885	16	18	75
Number reporting distribution or transmission only	1,689	522	975	165	7	20
Number of generating stations	4,027	2,916	963	27	28	93
Steam	1,112	813	257	2	5	35
Internal-combustion	1,283	748	523	4	2	6
Water	1,426	1,226	120	21	21	38
Composite [2]	206	129	63			14
Generators by type of prime mover:						
Total number	10,721	7,543	2,753	66	72	287
Total kilowatt capacity (thousands)	36,481	32,193	2,499	147	859	783
Steam engines:						
Number	861	528	292	[3] 1	2	38
Kilowatt capacity (thousands)	521	417	91	2	(4)	11
Steam turbines:						
Number	2,725	2,060	562	[3] 1	8	94
Kilowatt capacity (thousands)	24,600	22,824	1,401	1	65	308
Internal-combustion:						
Number	3,490	1,835	1,622	8	4	21
Kilowatt capacity (thousands)	762	381	374	2	2	3
Hydroturbines and water wheels:						
Number	3,645	3,120	277	56	58	134
Kilowatt capacity (thousands)	10,598	8,570	634	142	791	460
Generated output (millions of kilowatt-hours)	121,097	109,920	5,254	766	1,954	3,204
By steam	74,230	70,716	2,675		(5)	838
By internal-combustion	1,089	396	678	6	3	5
By water power	45,779	38,807	1,900	760	1,951	2,361
Fuel used for electric generation: [6]						
Coal, anthracite (thousands of tons of 2,000 pounds)	2,024	1,930	93			1
Coal, bituminous (thousands of tons of 2,000 pounds)	40,469	37,816	2,128		1	524
Coke (thousands of tons of 2,000 pounds)	88	85	4			
Fuel oil (thousands of barrels of 42 gallons)	[7] 13,899	11,275	2,590	13	7	14
Gas, natural (1,000,000 cubic feet)	159,453	146,823	12,630			

[1] Includes statistics for privately owned concerns (manufacturing and mining companies, railways, and railroads) and publicly owned ones (United States national parks, State colleges, and certain municipal plants). [2] Stations having more than one type of prime mover.
[3] Reported as idle equipment. [4] Less than 500. [5] Less than 500,000.
[6] In addition, the following kinds of fuel were used in electric generation: Manufactured gas, hogged fuel, and sawmill, and other waste. [7] Includes 3,000 barrels of gasoline.

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

No. 432.—Sales of Electric Energy—Number of Customers, Energy Sold, and Revenue From Electric Service: 1937

Class of service	Number of customers	Energy sold		Revenue from electric service		
		Kilowatt-hours (millions)	Average kilowatt-hours per customer	Amount (thousands of dollars)	Average per customer (dollars)	Average per kilowatt-hour (cents)
Total sales	27,219,362	132,930	4,884	2,356,513	87	1.8
Sales to ultimate consumers, total	27,216,336	103,070	3,787	2,177,617	80	2.1
Residential or domestic sales:						
Farm	615,136	667	1,084	24,830	40	3.7
Nonfarm	21,580,895	16,815	779	726,363	34	4.3
Rural—distinct rural rates only:						
Farm	538,283	981	1,822	31,140	58	3.2
Nonfarm	169,382	306	1,809	10,404	62	3.4
Commercial and industrial sales:						
Farm	61,984	1,024	16,513	15,197	245	1.5
Nonfarm	4,144,195	69,911	16,870	1,189,869	287	1.7
Public street and highway lighting	23,182	2,036	87,812	73,859	3,186	3.6
Other sales to public authorities	69,458	2,416	34,780	37,269	537	1.5

NO. 432.—SALES OF ELECTRIC ENERGY—NUMBER OF CUSTOMERS, ENERGY SOLD, AND REVENUE FROM ELECTRIC SERVICE: 1937—Continued

Class of service	Number of customers	Energy sold		Revenue from electric service		
		Kilowatt-hours (millions)	Average kilowatt-hours per customer	Amount (thousands of dollars)	Average per customer (dollars)	Average per kilowatt-hour (cents)
Sales to ultimate consumers—Contd.						
Sales to railroads and railways:						
Street and interurban railways	374	4,888	13,069,273	42,473	113,564	.9
Electrified steam-railroad divisions	102	1,558	15,279,160	14,043	137,677	.9
Interdepartmental	1,627	2,272	1,396,561	10,194	6,265	.4
Other sales to ultimate consumers	2,718	197	72,357	1,917	705	1.0
Sales for resale, total	3,026	29,859	9,867,519	178,896	59,120	.6
Sales to other electric utilities:						
Municipal distribution systems	1,110	2,447	2,204,443	18,326	16,510	.7
Mutual or cooperative undertakings	196	71	361,660	479	2,443	.7
Other electric companies	1,675	27,282	16,287,780	159,665	95,322	.6
Other sales for resale	45	59	1,316,967	426	9,466	.7

NO. 433.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, ENERGY SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY CLASS OF SERVICE, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES: 1937

Class of service	Total	Privately owned electric utilities	Municipally owned electric utilities	Total	Privately owned electric utilities	Municipally owned electric utilities
	Number of customers			Energy sold (thousands of kilowatt-hours)		
Total	27,089,682	24,432,724	2,656,958	99,198,413	93,524,014	5,674,399
Residential or domestic sales:						
Farm	588,292	556,244	32,048	628,036	603,286	24,751
Nonfarm	21,540,429	19,365,677	2,174,752	16,769,276	14,921,016	1,848,260
Rural—distinct rural rates only:						
Farm	505,069	478,011	27,058	959,318	938,650	20,668
Nonfarm	168,086	155,586	12,500	302,557	287,311	15,246
Commercial and industrial sales:						
Farm	60,529	59,127	1,402	936,575	923,616	12,959
Nonfarm	4,130,812	3,731,207	399,605	68,724,014	65,609,765	3,114,249
Public street and highway lighting	23,033	20,736	2,297	1,853,000	1,582,911	270,089
Other sales to public authorities	69,262	63,700	5,562	2,370,686	2,202,021	168,665
Sales to railroads and railways:						
Street and interurban railways	469	324	71	6,185,718	4,748,354	44,848
Electrified steam-railroad divisions		74			1,392,515	
Interdepartmental	1,410	205	1,205	336,381	194,767	141,615
Other sales to ultimate consumers	2,291	1,833	458	132,851	119,800	13,050
	Revenue from electric service (thousands of dollars)			Revenue per kilowatt-hour (cents)		
Total	2,156,478	2,006,933	149,545	2.2	2.1	2.6
Residential or domestic sales:						
Farm	23,826	22,736	1,090	3.8	3.8	4.4
Nonfarm	724,858	654,787	70,071	4.3	4.4	3.8
Rural—distinct rural rates only:						
Farm	30,299	29,274	1,025	3.2	3.1	5.0
Nonfarm	10,375	9,698	677	3.4	3.4	4.4
Commercial and industrial sales:						
Farm	14,366	14,096	269	1.5	1.5	2.1
Nonfarm	1,184,380	1,120,173	64,207	1.7	1.7	2.1
Public street and highway lighting	72,511	65,537	6,974	3.9	4.1	2.6
Other sales to public authorities	36,991	34,260	2,731	1.6	1.6	1.6
Sales to railroads and railways:						
Street and interurban railways	53,576	40,915	513	.9	.9	1.1
Electrified steam-railroad divisions		12,148			.9	
Interdepartmental	3,956	2,127	1,829	1.2	1.1	1.3
Other sales to ultimate consumers	1,340	1,183	157	1.0	1.0	1.2

Source of tables 432 and 433: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Electric Light and Power Industry.

No. 434.—Generator Capacity and Energy Generated, All Plants, and Energy Generated, Privately Owned and Municipally Owned Electric Utilities, by States: 1937

Division and State	Rated generator capacity (thousands of kilowatts)				Energy generated (millions of kilowatt-hours)				
	Total		Fuel	Hydro	Total		Privately owned and municipally owned		
							Total	Privately owned	Municipally owned
	1932	1937	1937	1937	1932	1937	1937	1937	1937
United States	34,623	36,481	25,883	10,598	79,657	121,097	115,173	109,920	5,254
New England	2,639	2,753	1,836	917	5,330	7,577	7,337	7,202	135
Maine	265	260	57	202	762	1,033	847	845	2
New Hampshire	283	299	62	237	681	760	760	757	3
Vermont and Rhode Island [1]	432	405	239	165	811	1,293	1,264	1,245	20
Massachusetts	1,156	1,210	992	218	2,158	2,852	2,828	2,735	92
Connecticut	503	579	485	94	918	1,639	1,638	1,621	18
Middle Atlantic	8,271	8,838	7,328	1,510	20,341	29,776	29,354	29,142	213
New York	4,578	4,837	3,723	1,114	10,977	15,583	15,238	15,108	129
New Jersey	1,062	1,067	1,064	2	2,991	3,708	3,681	3,664	17
Pennsylvania	2,631	2,934	2,540	394	6,374	10,486	10,436	10,369	67
East North Central	8,247	8,289	7,594	695	18,106	28,592	28,138	26,946	1,192
Ohio	2,146	2,179	2,167	12	4,869	8,070	8,070	7,644	426
Indiana	988	1,038	1,003	35	2,423	3,737	3,736	3,449	287
Illinois	2,606	2,397	2,350	47	5,447	8,060	7,863	7,740	123
Michigan	1,657	1,754	1,395	359	3,533	6,028	5,774	5,516	258
Wisconsin	850	920	679	241	1,835	2,697	2,696	2,597	99
West North Central	2,615	2,728	2,289	439	5,358	7,555	7,545	6,736	809
Minnesota	477	516	391	125	995	1,481	1,481	1,344	136
Iowa	600	608	475	133	1,483	1,887	1,879	1,761	118
Missouri	717	766	609	157	1,214	1,871	1,871	1,749	121
North Dakota	70	73	73	-------	140	201	201	191	9
South Dakota	67	77	72	5	87	145	145	110	34
Nebraska	252	270	257	12	552	704	703	601	103
Kansas	431	419	412	7	876	1,266	1,266	979	287
South Atlantic	4,291	4,448	2,432	2,016	9,459	15,080	13,655	13,284	371
Delaware, Maryland, and District of Columbia [1]	857	845	573	271	2,232	2,966	2,966	2,934	32
Virginia	409	439	342	97	962	1,639	1,610	1,563	47
West Virginia	539	639	538	101	1,442	2,834	2,829	2,829	(2)
North Carolina	1,005	992	340	653	1,651	3,216	1,875	1,805	70
South Carolina	643	676	138	538	1,295	1,752	1,723	1,716	7
Georgia	475	484	142	341	1,269	1,759	1,736	1,724	13
Florida	363	373	359	14	607	915	915	714	201
East South Central	1,480	1,858	756	1,102	2,994	5,585	4,594	4,492	102
Kentucky	340	343	238	105	682	895	892	858	34
Tennessee	426	526	208	318	1,050	1,841	1,266	1,241	25
Alabama	649	923	244	679	1,210	2,772	2,359	2,347	12
Mississippi	66	65	65	-------	52	78	78	46	32
West South Central	1,792	1,791	1,690	102	4,308	6,464	6,391	6,096	294
Arkansas	153	161	95	67	155	279	262	238	25
Louisiana	329	328	328	-------	1,172	1,731	1,688	1,622	66
Oklahoma	343	336	335	2	725	1,108	1,105	1,025	80
Texas	968	966	933	33	2,256	3,346	3,335	3,211	124
Mountain	1,157	1,663	501	1,162	2,347	5,782	4,001	3,879	122
Montana	318	278	12	266	636	1,319	1,318	1,317	1
Idaho	208	260	5	255	473	974	876	854	21
Wyoming	36	63	47	16	75	162	79	76	4
Colorado	221	228	163	65	437	682	676	615	61
Arizona and New Mexico [1]	223	306	177	128	413	904	493	489	4
Utah	137	160	69	92	276	520	515	484	31
Nevada	13	368	28	340	38	1,223	45	45	(2)
Pacific	4,129	4,113	1,457	2,657	11,415	14,686	14,158	12,142	2,016
Washington	883	1,066	205	861	2,545	3,693	3,665	2,855	810
Oregon	382	371	181	190	969	1,393	1,374	1,317	57
California	2,864	2,736	1,071	1,666	7,901	9,599	9,119	7,970	1,148

[1] Combined to avoid disclosing the operations of individual establishments.
[2] Less than 500,000.

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

No. 435.—Electric Light and Power Industry—Output, Sales, Revenue, and Customers: 1926 to 1938

	1926	1930	1935	1936	1937	1938
Current generated.....million kilowatt-hours..	67,990	88,592	92,611	106,566	115,166	109,691
Sales to ultimate consumers.....do....	56,089	74,906	77,596	90,044	99,446	93,894
Farm service.....	723	1,789	1,692	2,138	2,389	2,528
Residential service.....	6,727	10,702	13,496	14,992	16,875	18,461
Commercial service.....	41,477	54,092	54,453	64,267	71,104	63,216
All other.....	7,163	8,323	7,955	8,647	9,077	9,689
Revenue from ultimate consumers..1,000 dollars..	1,520,159	1,990,955	1,911,989	2,044,587	2,180,788	2,168,495
Farm service.....	21,637	46,590	48,405	59,286	67,947	75,946
Residential service.....	469,272	642,276	673,526	696,997	740,219	778,003
Commercial service.....	903,594	1,142,066	1,050,320	1,143,271	1,219,897	1,155,228
All other.....	125,655	159,924	139,739	145,032	152,724	159,318
Customers on December 31st.....thousands..	20,295	24,556	25,313	26,206	27,164	27,851
Farm.....	309	650	789	1,043	1,242	1,407
Residential.....	16,516	19,880	20,446	20,987	21,698	22,110
Commercial.....	3,437	3,972	4,015	4,105	4,151	4,231
All other.....	33	53	62	70	74	103

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

No. 436.—Average Typical Bills for Specified Quantities of Electric Energy in Cities of 50,000 Population or More

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

Date	Average bill in dollars for—			Index of average bill (Oct. 1, 1924=100) for—			Average bill in cents per kilowatt-hour for—		
	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Oct. 1, 1924 [1].....	1.92	6.18	13.36	100.0	100.0	100.0	7.7	6.2	5.3
Oct. 1, 1925 [1].....	1.88	6.00	12.95	97.9	97.1	96.9	7.5	6.0	5.2
Oct. 1, 1926 [1].....	1.86	5.85	12.57	96.9	94.7	94.1	7.4	5.9	5.0
Oct. 1, 1927 [1].....	1.81	5.58	11.94	94.3	90.3	89.4	7.2	5.6	4.8
Oct. 1, 1928 [1].....	1.76	5.34	11.25	91.7	86.4	84.2	7.0	5.3	4.5
Oct. 1, 1929 [1].....	1.73	5.13	10.69	90.1	83.0	80.0	6.9	5.1	4.3
Oct. 1, 1930 [1].....	1.70	4.98	10.38	88.5	80.6	77.7	6.8	5.0	4.2
Oct. 1, 1931 [1].....	1.69	4.72	9.58	88.0	76.4	71.7	6.8	4.7	3.8
Oct. 1, 1932 [1].....	1.67	4.65	9.42	87.0	75.2	70.5	6.7	4.7	3.8
Oct. 1, 1933 [1].....	1.63	4.58	9.26	84.9	74.1	69.3	6.5	4.6	3.7
Oct. 1, 1934 [1].....	1.58	4.47	8.98	82.3	72.3	67.2	6.3	4.5	3.6
Jan. 1, 1935 [1].....	1.57	4.45	8.96	81.8	72.0	67.1	6.3	4.5	3.6
Jan. 1, 1935 [2].....	1.60	4.47	8.90	.....	.....	.....	6.3	4.5	3.6
Jan. 1, 1936 [2].....	1.53	4.21	7.85	78.2	67.8	59.2	6.1	4.2	3.1
Jan. 1, 1937 [2].....	1.45	4.10	7.51	74.1	66.0	56.6	5.8	4.1	3.0
Jan. 1, 1938 [2].....	1.43	4.03	7.34	73.1	64.9	55.3	5.7	4.0	2.9
Jan. 1, 1939 [2].....	1.40	3.96	7.22	71.6	63.8	54.4	5.6	4.0	2.9

[1] Average bills are for a selected group of 150 cities.
[2] Average bills are for all cities of 50,000 population or more. Index numbers are adjusted to be comparable with earlier years.

Source: Federal Power Commission, reports on rates.

No. 437.—Net Monthly Bill for Specified Quantities of Electric Energy, Based on Rates as of Dec. 15, 1937 and 1938, by Cities

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

	Dec. 15, 1937				Dec. 15, 1938			
	Lighting and small appliances		Lighting, appliances, and refrigerator	Lighting, appliances, refrigerator, and range	Lighting and small appliances		Lighting, appliances, and refrigerator	Lighting, appliances, refrigerator, and range
	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Atlanta:								
Immediate.....P	$1.45	$2.12	$3.95	$6.57	$1.45	$2.12	$3.95	$6.57
Inducement [1]..P	1.22	1.90	3.85	6.57	1.22	1.90	3.85	6.57
Baltimore.....P	1.13	1.80	3.90	8.20	1.13	1.80	3.90	8.20
Birmingham:								
Immediate.....P	1.25	2.00	3.75	7.30	.98	1.56	3.20	6.95
Objective [1].....P	[2] 1.00	1.56	3.20	6.95				
Boston.....P	1.55	2.30	5.10	9.60	1.55	2.30	5.10	9.60
Bridgeport.....P	1.31	2.05	4.87	8.70	1.31	1.93	4.03	7.28

For footnotes see following page.

No. 437.—Net Monthly Bill for Specified Quantities of Electric Energy, Based on Rates as of Dec. 15, 1937 and 1938, by Cities—Con.

	Dec. 15, 1937				Dec. 15, 1938			
	Lighting and small appliances		Lighting, appliances, and refrigerator	Lighting, appliances, refrigerator, and range	Lighting and small appliances		Lighting, appliances, and refrigerator	Lighting, appliances, refrigerator, and range
	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Buffalo P	$1.13	$1.70	$3.06	$5.31	$1.13	$1.70	$3.06	$5.31
Butte P	1.55	2.38	4.43	7.93	1.55	2.38	4.43	7.93
Charleston, S. C.:								
Immediate P	1.60	2.50	5.35	8.85	1.50	2.25	4.20	6.82
Objective [1] P	1.50	2.25	4.20	6.82				
Chicago P	1.34	1.94	3.65	6.65	1.34	1.94	3.65	6.65
Cincinnati P	1.00	1.45	2.50	4.75	1.00	1.45	2.50	4.75
Cleveland P	1.00	1.60	3.75	7.25	1.00	1.60	3.75	7.25
M	.85	1.27	2.80	5.55	.85	1.27	2.80	5.55
Columbus P	1.25	1.95	4.50	8.50	1.25	1.95	4.50	8.50
M	1.00	1.58	3.80	8.30	1.00	1.58	3.80	8.30
Dallas P	1.19	1.90	4.30	8.10	1.06	1.66	3.91	7.51
Denver [3] P	1.53	2.45	4.90	9.49	1.53	2.45	4.90	9.49
Detroit [4 5] P	1.39	1.95	3.48	6.95	1.39	1.95	3.48	6.95
Fall River P	1.58	2.38	4.98	9.13	1.58	2.38	4.98	9.13
Houston P	1.20	1.80	3.83	7.08	1.20	1.80	3.83	7.08
Indianapolis P	1.38	2.10	4.40	8.15	1.38	2.10	4.00	7.10
Jacksonville M	1.75	2.70	4.95	7.95	1.50	2.35	4.60	7.60
Kansas City [3] P	1.66	2.35	4.08	7.91	1.28	2.04	3.83	7.65
Little Rock: [3]								
Present P	[6] 1.93	2.88	5.20	8.67	1.79	2.55	5.10	8.67
Centennial [1] P	[6] 1.78	2.63	5.10	8.67				
Los Angeles P	1.10	1.65	2.97	5.10	1.10	1.65	2.97	5.10
M	1.10	1.65	2.97	5.10	1.10	1.65	2.97	5.10
Louisville [5] P	1.13	1.75	3.71	7.31	1.03	1.65	3.61	6.70
Manchester P	2.00	2.80	5.00	8.00	2.00	2.80	5.00	8.00
Memphis P	1.38	2.20	4.25	8.75	.86	1.38	2.88	5.75
Milwaukee P	1.41	1.90	3.48	6.35	1.41	1.90	3.35	6.23
Minneapolis P	1.47	1.99	3.61	6.60	1.19	1.76	3.56	6.65
Mobile:								
Present P	1.45	2.13	3.95	6.58	1.45	2.13	3.95	6.58
Objective [1] P	1.20	1.80	3.50	6.13	1.20	1.80	3.50	6.13
Newark P	1.84	2.54	4.44	8.69	1.81	2.49	4.39	8.64
New Haven P	1.31	2.05	4.87	8.70	1.31	1.93	4.03	7.28
New Orleans P	1.88	2.85	5.50	10.25	1.58	2.25	4.80	8.50
New York:								
Bronx P	[3] 1.69	[3] 2.46	[3] 4.81	[3] 8.16	[5] 1.71	[5] 2.48	[5] 4.86	[5] 8.24
Brooklyn P	[3] 1.69	[3] 2.46	[3] 4.81	[3] 8.16	[5] 1.71	[5] 2.48	[5] 4.86	[5] 8.24
Manhattan P	[3] 1.69	[3] 2.46	[3] 4.81	[3] 8.16	[5] 1.71	[5] 2.48	[5] 4.86	[5] 8.24
Queens P	[3] 1.69	[3] 2.46	[3] 4.81	[3] 8.16	[5] 1.71	[5] 2.48	[5] 4.86	[5] 8.24
P	[3] 1.95	[3] 3.02	[3] 6.08	[3] 10.67	[5] 1.97	[5] 3.05	[5] 6.14	[5] 10.77
Richmond P	[3] 2.19	[3] 3.17	[3] 5.62	[3] 9.09	[5] 1.75	[5] 2.52	[5] 5.05	[5] 8.14
Norfolk P	1.38	2.10	4.65	7.65	1.25	2.00	4.63	7.63
Omaha P	1.19	1.90	3.88	7.78	1.10	1.90	3.88	7.78
Peoria P	1.50	2.01	3.57	6.32	1.25	1.84	3.34	6.09
Philadelphia P	1.40	2.15	3.76	6.76	[3] 1.43	[3] 2.19	[3] 3.84	[3] 6.90
Pittsburgh P	1.25	2.00	4.00	7.50	1.25	2.00	4.00	7.50
Portland, Maine P	1.85	2.60	4.70	7.70	1.85	2.60	4.70	7.70
Portland, Oreg. [7] P	1.25	1.88	3.37	6.07	1.25	1.88	3.37	6.07
Providence P	1.76	2.66	5.50	9.50	1.76	2.66	5.50	9.50
Richmond P	1.38	2.10	4.65	7.65	1.25	2.00	4.63	7.63
Rochester P	1.59	2.26	4.56	7.81	1.59	2.26	4.41	7.83
St. Louis [3 4] P	1.21	1.74	3.20	6.35	1.21	1.74	3.20	6.35
P	1.09	1.45	2.91	5.81	1.09	1.45	2.91	5.81
St. Paul P	1.60	2.15	3.85	7.00	1.25	1.85	3.75	7.00
Salt Lake City: [3]								
Present P	1.63	2.40	4.92	7.85	1.63	2.30	3.83	7.14
Objective [1] P	1.63	2.30	3.83	7.14				
San Francisco P	1.30	1.77	3.09	5.89	1.30	1.77	3.09	5.89
Savannah P	1.62	2.37	4.57	7.97	1.62	2.37	4.57	7.97
Scranton P	1.25	2.00	4.25	8.00	1.25	1.90	3.85	7.10
Seattle P	1.25	2.00	3.20	6.08	1.25	2.00	3.20	6.08
M	1.25	2.00	3.20	6.10	1.25	2.00	3.20	6.10
Springfield, Ill. P	1.25	1.90	3.02	5.22	1.25	1.90	3.02	5.22
M	1.25	1.90	3.02	4.80	1.25	1.90	3.02	4.80
Washington P	.98	1.56	3.10	5.65	.98	1.56	2.85	5.10

[1] Rate designed to encourage greater use of electricity.
[2] Minimum charge.
[3] Includes 2-percent sales tax.
[4] Includes free lamp-renewal service.
[5] Includes 3-percent sales tax.
[6] Based on 24 kilowatt-hours.
[7] Reports from 2 companies with identical rates.

Source: Department of Labor, Bureau of Labor Statistics. Figures published in December Retail Prices.

No. 438.—Water Power, Developed and Potential: 1921 to 1939

Note.—**In thousands of horsepower.** Data for developed water power cover capacity of actual installation of water wheels and turbines in plants of 100 horsepower or more. Potential power figures are 1936 revised estimates showing the 24-hour horsepower available 90 percent of the time and 50 percent of the time at an over-all efficiency of 70 percent at all developed and undeveloped sites. Data for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of installed water wheels or turbines, which may be several times the potential power available 90 percent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 80,000,000 horsepower or more

Division and State	Developed water power (capacity of actual installation)							Potential water power available—	
	November, 1921	March, 1925	January, 1930	January, 1935	January, 1937	January, 1938	January, 1939	90 percent of the time	50 percent of the time
Continental U. S.	7,927	10,048	13,808	16,075	17,120	17,265	17,949	42,753	57,184
New England	1,311	1,399	1,643	2,006	2,005	2,004	2,005	988	1,641
Maine	450	477	541	616	600	593	603	524	806
New Hampshire	229	243	278	575	573	477	475	167	293
Vermont	130	168	260	192	194	274	287	115	193
Massachusetts	338	344	362	422	423	441	439	125	211
Rhode Island	30	30	30	29	29	28	28	5	13
Connecticut	134	136	172	173	186	191	173	52	125
Middle Atlantic	1,470	1,958	2,113	2,465	2,452	2,436	2,426	4,895	6,242
New York	1,292	1,714	1,805	1,885	1,872	1,858	1,847	4,296	5,184
New Jersey	17	19	18	17	17	16	16	32	60
Pennsylvania	170	226	291	563	563	562	563	567	998
East North Central	739	885	1,075	1,189	1,182	1,180	1,224	869	1,640
Ohio	29	30	30	23	24	23	26	31	77
Indiana	27	51	55	55	55	53	53	60	159
Illinois	85	87	95	88	92	85	89	214	497
Michigan	267	305	379	477	500	515	527	270	400
Wisconsin	331	413	517	546	512	503	529	294	507
West North Central	444	515	551	750	844	840	833	1,172	1,884
Minnesota	205	263	287	272	269	268	265	210	388
Iowa	173	177	181	183	183	178	179	96	232
Missouri	18	20	23	235	235	236	236	420	676
North Dakota	(1)	(1)	(1)	(1)	----	----	----	61	69
South Dakota	18	19	19	20	20	20	20	211	278
Nebraska	15	21	24	24	124	124	120	101	138
Kansas	15	14	16	16	13	14	13	73	103
South Atlantic	1,082	1,594	2,657	3,173	3,201	3,224	3,271	2,936	4,058
Delaware	3	3	1	1	2	1	1	2	5
Maryland	7	7	416	404	405	404	405	} 200	286
Dist. of Columbia	1	1	6	6	6	6	6		
Virginia	104	118	126	154	157	151	169	463	649
West Virginia	15	15	89	227	269	272	301	563	785
North Carolina	330	535	947	980	957	947	948	582	818
South Carolina	330	507	574	811	813	837	836	477	752
Georgia	286	400	473	569	572	584	583	622	729
Florida	7	9	25	20	20	22	22	27	34
East South Central	241	392	1,169	1,303	1,526	1,608	1,717	2,620	3,761
Kentucky	1	1	145	145	145	141	154	336	543
Tennessee	127	166	179	291	423	423	519	1,280	1,800
Alabama	113	224	845	867	958	1,044	1,044	880	1,280
Mississippi	----	----	----	----	----	----	----	124	138
West South Central	16	31	49	150	149	150	197	764	967
Arkansas	1	16	16	95	95	95	95	388	518
Louisiana	----	----	----	----	----	----	----	70	74
Oklahoma	2	2	3	2	2	2	2	126	175
Texas	13	14	31	53	52	53	100	180	200
Mountain	827	937	1,185	1,190	1,728	1,758	2,084	10,775	13,031
Montana	344	360	419	428	429	431	511	1,306	1,853
Idaho	224	299	358	342	357	364	388	2,706	3,688
Wyoming	8	8	19	23	24	24	24	571	838
Colorado	92	91	98	102	103	105	110	647	851
New Mexico	1	1	2	2	2	2	2	56	124
Arizona	39	49	120	137	193	195	195	3,710	3,810
Utah	106	115	156	144	142	156	142	1,500	1,590
Nevada	13	14	14	13	478	481	712	279	277
Pacific	1,789	2,336	3,365	3,851	4,033	4,065	4,192	17,734	23,960
Washington	454	561	766	1,037	1,227	1,254	1,258	8,768	12,021
Oregon	185	244	299	363	361	367	493	4,361	5,956
California	1,149	1,531	2,301	2,450	2,445	2,444	2,441	4,605	5,983
Outlying areas:									
Alaska	----	40	36	(2)	(2)	(2)	48	1,000	2,500
Hawaii	----	25	[3] 32	(2)	26	(2)	32	19	28
Puerto Rico	----	15	(2)	(2)	[4] 38	(2)	38	72	174

[1] Less than 500. [2] Not available. [3] Capacity in 1928.
[4] Figures from Public Service Commission of Puerto Rico.

Source: Figures for 1937 and prior years, Department of Interior, Geological Survey. Figures for 1938 and 1939, Federal Power Commission, report on Total Installed Capacity of Water Wheels in the United States and Outlying Territories.

19. PUBLIC ROADS AND MOTOR VEHICLES

No. 439.—Rural Roads—Mileage, Funds Available, and Disbursements, 1921 to 1938, and Construction Under Federal Aid, 1926 to 1938

Note.—Figures cover continental United States, except as noted, and refer to calendar years for most States. Mileage data included for 1921 and 1926 were obtained from county records; figures for 1929 and 1930 include some estimates. No data available for county and township roads after 1930, except for those under State control.

Item	1921	1926	1929	1930
ALL RURAL ROADS				
Total mileage at end of year	2,941,294	3,000,190	3,024,233	3,009,066
Earth roads	2,553,534	2,450,126	2,361,798	2,315,507
Surfaced roads	387,760	550,064	662,435	693,559
Low type [1]	340,583	467,077	549,981	567,851
High type [1]	[2] 47,177	82,987	112,454	125,708
Total mileage built during year	110,976	116,413	78,003	87,717
Earth roads (graded and drained)	[3] 69,804	60,059	23,128	24,370
Surfaced roads [4]	41,172	56,354	54,875	63,347
Low type [1]	33,083	46,746	42,548	48,397
High type [1]	[5] 8,089	9,608	12,327	14,950
Funds available for rural road purposes, all authorities [6] (1,000 dollars)	[7] 1,109,896	1,640,451	2,042,400	2,302,646
Motor vehicle fees, gasoline taxes	119,915	436,449	687,730	862,933
Other taxes and appropriations	415,747	491,194	560,908	537,951
Proceeds of bonds	434,573	272,422	271,864	316,973
Federal aid [8]	77,457	79,163	77,573	92,463
All other sources	[7] 62,205	361,224	444,324	492,326
Disbursements for rural roads and bridges, all roads, by all authorities (1,000 dollars)	1,027,493	1,276,698	1,615,519	1,885,851
Highway purposes—				
Construction	622,172	621,893	813,982	1,009,712
Maintenance	250,559	338,853	433,538	475,912
Other expenditures	121,372	203,002	197,148	194,869
All other disbursements	33,389	112,950	170,850	205,357

Item	1926	1930	1935	1936	1937	1938
Total mileage of State highway systems at end of year [9]	287,928	324,496	[10] 331,867	[10] 340,160	[10] 327,152	([11])
Earth roads	124,869	98,275	52,060	51,057	41,061	([11])
Surfaced roads	163,059	226,221	279,807	289,103	286,091	([11])
Low type [1]	109,110	142,109	168,282	175,408	169,327	([11])
High type [1]	53,949	84,112	111,525	113,695	116,764	([11])
Total mileage of State highway systems built during year	27,387	35,277	23,515	26,856	24,694	([11])
Earth roads (graded and drained)	7,060	7,813	2,812	2,971	1,489	([11])
Surfaced roads [4]	20,327	27,464	20,703	23,885	23,205	([11])
Low type [1]	14,199	16,677	17,562	19,626	17,471	([11])
High type [1]	6,128	10,787	3,141	4,259	5,734	([11])
Funds available to State highway departments [12] (1,000 dollars)	806,888	1,423,164	1,205,945	1,505,768	1,579,810	1,513,544
Disbursements by State highway departments, including Federal aid [12] (1,000 dollars)	621,744	1,139,677	848,355	1,131,151	1,166,706	1,135,122
Highway construction under Federal aid, status at end of year; [13]						
Projects under construction:						
Miles	14,581	9,089	3,116	4,520	4,921	5,811
Total cost (1,000 dollars)	365,730	233,397	66,111	127,764	156,207	187,949
Federal aid (1,000 dollars)	151,490	99,573	34,416	65,664	77,847	92,265
Projects approved for construction:						
Miles	1,575	2,875	1,415	2,062	2,320	2,367
Total cost (1,000 dollars)	40,299	60,394	38,410	56,198	73,905	64,631
Federal aid (1,000 dollars)	13,921	25,531	19,235	29,059	34,509	31,510
Federal-aid fund available for new projects (1,000 dollars)	113,070	144,726	65,543	79,992	81,738	80,843

[1] 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.
[2] Includes 11,303 miles of unclassified roads. [3] Includes mileage partially graded and drained.
[4] Includes original and reconstructed surfacing. [5] Includes 368 miles of unclassified roads.
[6] Excludes funds transferred. [7] Excludes balance on hand at beginning of year; not reported in 1921.
[8] For road and bridge purposes under supervision of State highway department only.
[9] Includes an undetermined amount of municipal street mileage on State highway systems or connecting these systems. Beginning with 1934 such mileage is included, however, for only a few States. Figures prior to 1934 also include mileage of secondary road systems under State control for a number of States. [10] Primary systems only. See also note 9. [11] Not yet available.
[12] Includes funds transferred to or from local units.
[13] Includes data for Puerto Rico beginning 1937 and for Hawaii except in 1926 figures for projects approved for construction. For 1938 figures for emergency road construction and grade-crossing projects, see table 443.

Source: Federal Works Agency, Public Roads Administration (formerly Department of Agriculture, Bureau of Public Roads); annual statements on status of highways; and records.

No. 440.—State-Highway Systems—Mileage of Rural Roads and of Connecting Streets as of Dec. 31, 1936, and Rural Mileage Surfaced, 1935 and 1936

Division and State	Existing mileage, end of 1936						Mileage surfaced on primary systems (rural) during—		
	Rural roads and connecting streets [1]	Primary systems of rural State highways							
		Total	Earth roads	Surfaced roads			1935, total [3]	1936	
				Total	Low type [2]	High type [2]		Total [3]	On earth roads
Continental U. S.	533, 144	340, 160	51, 057	289, 103	175, 408	113, 695	20, 703	23, 885	6, 044
New England	19, 195	11, 012	531	10, 481	5, 722	4, 759	334	367	147
Maine	[1] 8, 350	2, 519	81	2, 438	1, 774	664	30	86	22
New Hampshire	[1] 3, 370	1, 427	--------	1, 427	987	440	23	35	--------
Vermont	1, 765	1, 765	18	1, 747	1, 309	438	43	78	5
Massachusetts	1, 874	1, 720	--------	1, 720	153	1, 567	76	31	6
Rhode Island	1, 137	1, 035	341	694	211	483	27	24	15
Connecticut	2, 699	2, 546	91	2, 455	1, 288	1, 167	135	113	99
Middle Atlantic	53, 924	28, 268	2, 223	26, 045	7, 519	18, 526	469	780	128
New York	13, 907	13, 907	1, 342	12, 565	2, 181	10, 384	271	323	48
New Jersey	1, 922	1, 379	47	1, 332	41	1, 291	19	37	16
Pennsylvania	[1] 38, 095	12, 982	834	12, 148	5, 297	6, 851	179	420	64
East North Central	57, 218	52, 648	1, 638	51, 010	21, 299	29, 711	2, 001	2, 328	381
Ohio	16, 879	14, 593	195	14, 398	7, 428	6, 970	246	258	--------
Indiana	9, 819	9, 355	519	8, 836	4, 174	4, 662	179	710	75
Illinois	10, 980	10, 327	189	10, 138	12	10, 126	206	138	100
Michigan	9, 528	8, 485	676	7, 809	4, 186	3, 623	215	282	137
Wisconsin	10, 012	9, 888	59	9, 829	5, 499	4, 330	1, 155	940	69
West North Central	69, 114	60, 351	8, 222	52, 129	38, 241	13, 888	7, 585	6, 949	1, 114
Minnesota	11, 347	10, 934	475	10, 459	7, 784	2, 675	1, 139	1, 055	70
Iowa	9, 328	8, 318	172	8, 146	3, 600	4, 546	523	480	187
Missouri	[1] 14, 348	8, 167	128	8, 039	4, 159	3, 880	448	423	119
North Dakota	7, 352	7, 337	1, 057	6, 280	6, 236	44	1, 131	307	61
South Dakota	5, 996	5, 966	787	5, 179	4, 935	244	1, 351	966	63
Nebraska	11, 129	10, 534	3, 394	7, 140	6, 190	950	631	725	236
Kansas	9, 614	9, 095	2, 209	6, 886	5, 337	1, 549	2, 362	2, 993	378
South Atlantic	174, 939	58, 535	11, 607	46, 928	29, 844	17, 084	2, 440	2, 454	896
Delaware	[1] 3, 862	1, 702	--------	1, 702	445	1, 257	186	78	4
Maryland	3, 985	3, 929	--------	3, 929	1, 818	2, 111	91	79	41
Virginia	[1] 46, 320	9, 225	994	8, 231	6, 721	1, 510	282	289	34
West Virginia	[1] 33, 819	4, 666	487	4, 179	1, 938	2, 241	230	392	98
North Carolina	[1] 58, 232	10, 875	751	10, 124	6, 215	3, 909	483	442	92
South Carolina	6, 411	6, 411	668	5, 743	3, 356	2, 387	334	193	94
Georgia	9, 880	9, 792	4, 050	5, 742	3, 246	2, 496	658	804	421
Florida	12, 430	11, 935	4, 657	7, 278	6, 105	1, 173	176	177	112
East South Central	28, 840	26, 086	3, 587	22, 499	15, 986	6, 513	1, 300	1, 587	637
Kentucky	8, 720	[4] 8, 720	882	7, 838	6, 096	1, 742	612	475	338
Tennessee	7, 446	7, 181	405	6, 776	3, 989	2, 787	112	192	92
Alabama	6, 500	6, 256	2, 111	4, 145	2, 928	1, 217	328	679	91
Mississippi	[1] 6, 174	3, 929	189	3, 740	2, 973	767	248	241	116
West South Central	56, 344	42, 631	7, 486	35, 145	21, 915	13, 230	2, 315	3, 473	1, 332
Arkansas	9, 170	8, 996	800	8, 196	6, 458	1, 738	292	257	16
Louisiana	[1] 17, 987	4, 448	47	4, 401	2, 158	2, 243	115	273	74
Oklahoma	8, 234	8, 234	1, 521	6, 713	3, 829	2, 884	336	1, 314	309
Texas	20, 953	[4] 20, 953	5, 118	15, 835	9, 470	6, 365	1, 572	1, 629	933
Mountain	49, 337	39, 929	14, 357	25, 572	24, 058	1, 514	3, 165	3, 957	863
Montana	[1] 5, 525	5, 111	854	4, 257	4, 171	86	648	969	180
Idaho	4, 941	4, 758	1, 276	3, 482	3, 290	192	271	470	118
Wyoming	3, 599	3, 567	496	3, 071	3, 036	35	587	166	7
Colorado	[1] 9, 439	3, 523	368	3, 155	2, 694	461	418	759	2
New Mexico	12, 267	12, 114	8, 356	3, 758	3, 638	120	340	630	207
Arizona	3, 490	3, 459	822	2, 637	2, 402	235	146	294	131
Utah	5, 129	4, 667	1, 868	2, 799	2, 463	336	274	315	111
Nevada	[1] 4, 947	2, 730	317	2, 413	2, 364	49	481	354	107
Pacific	24, 233	20, 700	1, 406	19, 294	10, 824	8, 470	1, 094	1, 990	546
Washington	3, 783	3, 528	199	3, 329	2, 052	1, 277	302	466	55
Oregon	[1] 6, 868	4, 618	491	4, 127	2, 492	1, 635	99	464	76
California	13, 582	12, 554	716	11, 838	6, 280	5, 558	693	1, 060	415

[1] Includes secondary road systems under State control with a total of 177,504 miles for the 14 States noted, comprising 54,690 miles of secondary State highways, 7,636 miles of State-aid system, and 115,178 miles of county roads under State control.

[2] See note 1, table 439.

[3] Includes original and reconstructed surfacing. In addition to the mileage here shown, surfacing on secondary systems under State control totaled 2,254 miles in 1935 and 4,414 miles in 1936, and surfacing on urban extensions of State systems totaled 573 miles in 1935 and 614 miles in 1936.

[4] Includes some mileage for urban extensions or connecting streets.

Source: Federal Works Agency, Public Roads Administration (formerly Department of Agriculture, Bureau of Public Roads); annual statements on mileage of State-highway systems.

No. 441.—Highways Under Supervision of State Highway Departments—Disbursements (Including Federal-Aid Funds) for, by States: 1921 to 1938

Note.—Figures include disbursements, whether from current revenues or the proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous disbursements. Data beginning 1934 cover calendar years, while figures for earlier years for many States represent fiscal years. For the States reporting on a fiscal year basis in 1933, the net total disbursements for interim and overlapping periods between 1933 and 1934 amounted to $124,428,000

Division and State	Year in which first State-aid law passed	1921	1930	1932	1933	1934	1935	1936	1937	1938
		Thousands of dollars								
Cont'l U.S.	--------	397,484	1,139,677	955,446	782,006	991,774	848,355	1,131,151	1,166,706	1,135,122
New England	--------	25,910	76,418	79,341	58,896	82,708	81,054	92,791	97,275	88,970
Maine	1901	6,524	17,184	16,243	10,490	12,988	11,671	14,192	16,360	14,523
N. Hampshire	1903	2,360	9,640	7,112	7,471	9,113	6,165	6,997	9,523	7,787
Vermont	1898	951	9,013	6,177	5,511	5,905	5,920	5,915	6,570	6,889
Mass'setts	1892	7,864	21,926	29,596	18,289	33,204	36,719	35,476	37,416	34,695
Rhode Island	1902	2,213	3,367	4,768	5,347	5,081	3,681	10,602	6,390	7,548
Connecticut	1895	5,998	15,288	15,445	11,788	16,417	16,898	19,609	21,016	17,528
Middle Atlantic	--------	101,475	216,236	172,429	137,259	184,343	127,513	188,121	223,186	223,721
New York	1898	36,855	73,233	54,285	42,206	60,262	54,770	68,239	94,756	91,093
New Jersey	1891	15,608	47,414	49,197	28,377	31,612	26,771	37,928	37,961	38,988
Pennsylvania	1903	49,012	95,589	68,947	66,676	92,469	45,972	81,954	90,469	93,640
E. N. Central	--------	68,512	190,673	166,894	127,083	168,249	141,442	188,268	194,784	185,646
Ohio	1904	15,547	47,491	36,703	20,705	44,067	25,772	32,895	34,871	33,388
Indiana	1917	8,110	22,569	23,183	[1] 8,800	21,808	17,953	25,084	21,532	22,673
Illinois	1905	15,693	48,854	45,092	40,194	43,476	42,729	49,035	69,152	68,366
Michigan	1905	16,744	46,136	36,211	24,272	28,428	23,653	40,885	30,021	25,228
Wisconsin	1911	12,417	25,623	25,705	33,112	30,410	31,335	40,369	39,208	35,991
W. N. Central	--------	41,087	171,782	131,290	103,289	126,126	112,817	151,854	134,015	121,993
Minnesota	1905	7,480	39,365	36,959	17,079	22,796	22,950	31,551	29,539	25,130
Iowa	1904	18,276	50,607	23,738	18,122	23,586	22,239	28,616	28,450	27,373
Missouri	1907	4,727	43,921	37,335	34,503	31,650	27,661	35,316	30,128	23,625
North Dakota	1909	1,030	3,992	5,084	[2] 5,074	7,160	4,911	7,522	6,062	7,497
South Dakota	1911	4,738	5,915	5,413	4,509	6,818	6,728	7,679	8,121	7,558
Nebraska	1911	4,836	11,087	10,057	11,124	12,825	10,379	13,140	10,917	11,589
Kansas	1911	--------	16,845	12,704	12,878	21,291	17,949	27,830	20,198	19,221
South Atlantic	--------	51,181	139,904	123,176	104,379	133,014	127,216	149,795	159,027	170,057
Delaware	1903	3,765	8,492	3,386	4,138	4,460	3,613	3,702	3,718	4,140
Maryland	1898	7,616	17,992	15,950	13,788	18,787	14,700	16,597	17,661	17,956
Virginia	1906	7,114	19,189	17,640	20,669	21,688	19,790	26,284	25,086	29,306
West Virginia	1909	1,877	23,308	20,070	13,521	19,550	20,406	21,316	22,618	25,313
N. Carolina	1901	15,100	25,613	22,516	20,475	26,103	28,083	36,134	36,769	34,062
S. Carolina	1917	3,941	22,753	15,328	[3] 8,125	13,672	12,597	15,356	19,630	22,557
Georgia	1908	9,664	12,699	20,756	14,537	12,750	16,479	16,120	22,966	25,502
Florida	1915	2,103	9,858	7,530	9,126	16,004	11,548	14,286	10,579	11,221
E. S. Central	--------	16,621	92,737	57,533	51,828	62,126	55,169	63,493	87,538	91,182
Kentucky	1912	5,757	19,497	20,174	18,169	17,805	18,806	14,373	23,784	24,830
Tennessee	1915	6,328	53,278	25,405	15,357	18,472	14,190	15,711	15,984	20,657
Alabama	1911	1,036	15,373	7,195	10,711	15,716	12,197	17,540	17,131	19,880
Mississippi	1915	3,500	4,589	4,759	[4] 7,591	10,133	9,976	15,869	30,637	25,815
W. S. Central	--------	26,897	136,738	101,960	88,229	84,026	80,597	113,901	101,220	97,624
Arkansas	1913	--------	39,821	8,168	[2] 7,274	12,945	16,102	16,346	18,335	15,017
Louisiana	1910	5,347	20,357	38,852	25,781	16,139	19,022	29,829	19,450	25,143
Oklahoma	1911	4,775	20,228	12,144	14,524	14,772	11,568	17,994	21,022	15,202
Texas	1917	16,775	47,332	42,796	40,650	40,170	33,905	49,732	42,413	42,262
Mountain	--------	27,463	47,029	50,136	49,757	67,636	50,088	78,769	78,044	66,032
Montana	1913	3,640	6,378	8,502	7,480	12,984	7,633	12,939	7,420	6,113
Idaho	1905	4,863	6,637	6,592	5,193	6,593	6,105	9,115	7,330	7,203
Wyoming	1911	3,446	3,590	5,151	4,360	5,983	5,078	6,545	6,304	5,415
Colorado	1909	4,156	8,144	6,796	9,696	11,011	7,781	15,943	23,284	18,044
New Mexico	1909	3,713	9,138	5,718	7,605	10,219	7,359	11,642	13,956	11,567
Arizona	1909	2,948	5,233	7,041	5,491	7,503	5,631	9,000	6,688	6,580
Utah	1909	3,107	5,193	6,037	6,084	7,325	5,914	7,481	7,899	6,967
Nevada	1911	1,590	2,710	4,299	3,848	6,018	4,587	6,104	5,163	4,143
Pacific	--------	38,339	68,215	72,685	61,286	83,546	72,459	104,359	91,619	89,897
Washington	1905	9,696	15,806	19,494	11,032	21,241	17,666	23,858	22,128	24,468
Oregon	1913	17,828	14,668	13,188	12,660	15,116	16,991	21,833	19,729	16,820
California	1895	10,815	37,741	40,003	37,594	47,189	37,802	58,668	49,762	48,609

[1] For 9 months ended June 30.
[2] Owing to change in fiscal year, data include some disbursements reported also in 1932.
[3] For 6 months ended June 30.
[4] For 11 months ended Dec. 25.

Source: Federal Works Agency, Public Roads Administration (formerly Department of Agriculture, Bureau of Public Roads); annual statement, State Highway Expenditures.

No. 442.—State-Highway Funds Available, by Source, and Disbursements, by Purpose, by States: 1938

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

Division and State	Funds available					Distribution of disbursements				
	Total	Motor-vehicle fees; motor-fuel and motor-carrier taxes	Federal funds[1]	Income from bonds, notes, and other loans	All other sources[2]	Total	Expenditures for State-administered highways: New and reconstructed roads and bridges[3]	Expenditures for State-administered highways: Maintenance roads and bridges[3]	Expenditures for State-administered highways: Other[4]	Other disbursements[5]
Cont'l U. S.	1,513,544	805,916	196,826	57,505	453,297	1,135,122	523,738	232,388	139,006	239,990
New England	126,213	65,998	9,765	15,350	35,100	88,970	29,579	18,242	5,843	35,306
Maine	17,026	9,026	1,801	1,022	5,177	14,523	6,037	4,117	1,768	2,601
New Hampshire	6,158	5,863	1,068		[6]773	7,787	2,430	3,170	876	1,311
Vermont	9,043	4,788	1,277	46	2,932	6,889	2,363	1,503	284	2,739
Massachusetts	56,190	25,269	3,188	14,282	13,451	34,605	8,470	4,862	1,114	20,249
Rhode Island	9,852	6,047	801		3,004	7,548	1,930	1,238	747	3,633
Connecticut	27,944	15,005	1,630		11,309	17,528	8,349	3,352	1,054	4,773
Middle Atlantic	372,140	164,774	25,532	26	181,808	223,721	73,915	55,512	35,138	59,156
New York	156,772	66,668	14,022	26	76,056	91,093	34,238	9,857	10,272	36,726
New Jersey	94,343	34,923	2,152		57,268	38,988	10,579	3,496	5,685	19,228
Pennsylvania	121,025	63,183	9,358		48,484	93,640	28,707	37,482	19,181	8,270
E. North Central	271,243	150,372	27,027		93,844	185,646	73,983	38,962	20,419	52,282
Ohio	46,244	26,618	6,586		13,040	33,388	14,244	13,967	4,210	967
Indiana	23,286	14,250	3,707		5,329	22,673	14,317	5,965	1,514	877
Illinois	89,460	56,891	9,194		23,375	68,366	18,111	5,451	11,195	33,609
Michigan	60,774	20,979	4,046		35,749	25,228	14,931	7,551	2,714	32
Wisconsin	51,479	31,634	3,494		16,351	35,991	12,380	6,028	786	16,797
W. North Central	132,858	88,308	28,199	3,376	12,975	121,993	61,612	24,324	14,813	21,244
Minnesota	27,155	21,764	4,014		1,377	25,130	15,082	5,414	2,028	2,606
Iowa	30,519	18,085	5,257	2,376	4,801	27,373	14,435	3,141	3,731	6,066
Missouri	26,788	20,206	4,568		2,014	23,625	7,630	4,290	6,096	5,609
North Dakota	7,642	2,293	3,748	1,000	601	7,497	4,050	1,680	708	1,059
South Dakota	8,078	4,219	3,090		769	7,558	5,094	1,777	379	308
Nebraska	11,516	7,366	3,552		598	11,589	7,626	3,157	462	344
Kansas	21,160	14,375	3,970		2,815	19,221	7,695	4,865	1,409	5,252
South Atlantic	205,283	119,645	31,801	7,287	46,550	170,057	90,071	35,553	18,481	25,952
Delaware	5,072	3,115	880		1,077	4,140	1,817	806	891	626
Maryland	19,750	14,144	2,166	555	2,885	17,956	7,643	1,368	2,140	6,805
Virginia	29,465	21,657	5,732		2,076	29,306	21,565	5,549	1,019	1,173
West Virginia	31,304	14,725	3,150	3,819	9,610	25,313	10,013	6,172	4,482	4,616
North Carolina	54,176	30,421	7,539		16,216	34,062	10,674	13,724	4,627	5,037
South Carolina	27,140	11,067	3,245	2,913	9,915	22,557	12,339	3,231	3,652	3,335
Georgia	26,905	14,046	7,220		5,639	25,502	18,333	1,808	1,119	4,242
Florida	11,471	10,470	1,869		[6] *868*	11,221	7,625	2,895	551	150
E. South Central	125,247	47,066	18,862	18,599	40,720	91,182	53,541	11,372	12,760	13,509
Kentucky	26,204	15,016	4,409	1,413	5,366	24,830	13,203	5,080	2,182	4,365
Tennessee	42,209	15,935	4,083	3	22,188	20,657	8,215	2,413	6,109	3,920
Alabama	21,575	10,064	5,722	1,161	4,628	19,880	12,378	1,981	3,013	2,508
Mississippi	35,259	6,051	4,648	16,022	8,538	25,815	19,745	1,898	1,456	2,716
W. South Central	104,540	65,879	19,840	8,560	10,261	97,624	54,941	19,189	16,001	7,493
Arkansas	17,250	11,459	2,547		3,244	15,017	2,529	3,141	5,755	3,592
Louisiana	30,974	14,279	2,053	8,560	6,082	25,143	11,890	4,280	6,512	2,461
Oklahoma	9,833	12,122	4,576		[6] *6,865*	15,202	11,058	2,963	1,181	
Texas	46,483	28,019	10,664		7,800	42,262	29,464	8,805	2,553	1,440
Mountain	77,955	33,335	21,588	3,557	19,475	66,032	43,748	11,145	7,683	3,456
Montana	7,815	4,551	1,977		1,287	6,113	2,984	1,898	793	438
Idaho	7,414	4,336	2,495		583	7,203	5,047	1,632	367	157
Wyoming	5,829	2,593	2,491		745	5,415	3,865	852	514	184
Colorado	21,779	6,761	4,820		10,198	18,044	14,058	1,408	2,332	246
New Mexico	12,811	4,855	2,682	3,507	1,767	11,567	7,018	1,669	1,785	1,095
Arizona	6,337	3,876	2,482		[6] *21*	6,580	4,361	1,339	733	147
Utah	12,132	4,744	2,297		5,091	6,967	3,584	1,522	873	988
Nevada	3,838	1,619	2,344	50	[6] *175*	4,143	2,831	825	286	201
Pacific	98,065	70,539	14,212	750	12,564	89,897	42,348	18,089	7,868	21,592
Washington	28,093	18,260	3,395		6,438	24,468	10,869	3,459	1,537	8,603
Oregon	17,580	13,150	2,874	750	806	16,820	5,219	3,424	1,971	6,206
California	52,392	39,129	7,943		5,320	48,609	26,260	11,206	4,360	6,783

[1] Includes regular Federal-aid funds and emergency funds.

[2] Balance from previous year, transfers from local sources, earnings of sinking fund, and miscellaneous revenue.

[3] Includes some expenditures for administration and engineering.

[4] Administration and engineering expenses not charged to construction and maintenance, interest on bonds and notes, net expenditures for equipment, and miscellaneous expenses.

[5] Principal payments on bonds and notes, expenditures or transfers for local units, and miscellaneous disbursements.

[6] Net deficit; $2,141,000 deficit from previous year for New Hampshire, $1,242,000 for Florida, $6,914,000 for Oklahoma, $151,000 for Arizona, and $215,000 for Nevada.

Source: Federal Works Agency, Public Roads Administration (formerly Department of Agriculture, Bureau of Public Roads); annual statements on State-highway income and expenditures.

No. 443.—Road Construction and Grade-Crossing Projects, Federal-Aid and Emergency: Status as of Dec. 31, 1938

[All figures, except mileage data and number of grade crossings, in thousands of dollars]

Division and State	Regular Federal-aid road construction				Emergency road construction and grade-crossing projects [1]							
	Projects under construction [2]			Federal-aid funds available for new projects	Total allotment of emergency funds	Projects under construction [2]						Emergency funds available for new projects
						Roads			Grade-crossing projects			
	Total cost	Federal aid allotted	Mileage			Total cost	Emergency funds allotted	Mileage	Total cost	Emergency funds allotted	Number [3]	
Grand total [4]	187,949	92,265	5,811	80,843	985,000	11,410	10,819	156	14,388	13,645	273	8,707
New England	8,791	3,372	87	6,092	46,877	99	89	1	133	133		781
Maine	1,590	795	35	147	8,185	57	47	1	21	21		23
New Hampshire	437	218	3	1,146	4,647	14	14		12	12		1
Vermont	723	344	18	169	4,470	14	14		11	11		1
Massachusetts	2,984	1,492	19	2,198	17,421	4	4		63	63		613
Rhode Island	372	186	4	907	4,702							
Connecticut	685	337	8	1,525	7,452	10	10		26	26		142
Middle Atlantic	20,124	10,011	261	3,989	124,275	902	902	7	499	498	8	1,740
New York	10,362	5,136	170	195	58,282	384	384	5				892
New Jersey	2,825	1,409	19	1,965	16,681	194	194	2	40	40		118
Pennsylvania	6,938	3,466	72	1,829	49,313	325	325		459	458	8	730
E. North Central	30,215	14,908	621	10,373	166,902	1,305	1,149	15	4,583	4,089	53	602
Ohio	8,057	4,019	78	5,415	39,460	640	640	1	3,330	2,913	14	491
Indiana	3,837	1,918	71	2,160	25,179	83	81	1	72	72	32	56
Illinois	7,594	3,793	166	978	45,493	278	278	13	797	797	3	43
Michigan	3,983	1,991	118	808	32,255	186	33		116	94	1	
Wisconsin	6,745	3,187	188	1,002	24,513	118	117		269	213	3	12
W. North Central	28,592	14,181	1,614	13,425	157,802	1,675	1,596	8	3,429	3,286	37	817
Minnesota	6,087	3,023	279	1,904	26,755	456	443	(5)	280	268	2	51
Iowa	5,122	2,166	162	57	25,766	75	75		1,158	1,098	12	5
Missouri	2,568	1,272	58	2,223	30,509	446	395	(5)	683	683	5	304
North Dakota	501	291	58	3,557	14,818	264	264	1	412	412	1	184
South Dakota	4,675	2,585	449	2,516	15,285	148	135	5	330	279	16	63
Nebraska	5,279	2,662	400	895	19,221	94	94	1	53	53		21
Kansas	4,362	2,181	211	2,274	25,449	193	191	(5)	511	491	1	128
South Atlantic	23,868	11,753	871	15,810	124,091	3,882	3,692	79	3,215	3,185	158	2,819
Delaware	712	353	10	1,138	4,061							43
Maryland	2,095	1,032	41	1,541	9,187	842	766	12	659	659	4	164
Dist. of Columbia					4,253							
Virginia	2,861	1,429	88	362	18,609	241	241	1	55	55		143
West Virginia	1,334	704	27	1,948	11,664	274	259	7	141	141	2	74
North Carolina	5,036	2,517	323	1,585	23,907	138	138		960	960	124	85
South Carolina	3,808	1,712	92	1,161	13,992	267	267	16	418	388	7	117
Georgia	4,905	2,453	233	5,263	25,090	2,042	1,942	43	934	934	17	2,013
Florida	3,106	1,553	57	2,812	13,318	79	79		48	48	4	180
E. South Central	24,930	11,232	929	9,358	77,680	1,069	1,040	13	802	802	6	470
Kentucky	2,680	1,340	58	1,996	18,734	224	220	2	160	160	1	110
Tennessee	3,109	1,555	56	3,547	20,892	42	42		145	145	1	192
Alabama	8,858	4,417	368	1,988	20,816	448	423	1	153	153	1	35
Mississippi	10,283	3,919	447	1,828	17,218	355	355	10	345	345	3	132
W. South Central	29,514	12,811	791	7,712	114,867	815	739	19	1,185	1,136	8	687
Arkansas	3,057	3,053	191	231	17,103	60	60		54	54		74
Louisiana	11,743	2,516	30	1,782	14,896	185	185	10	891	841	7	155
Oklahoma	3,490	1,804	98	2,168	23,487	112	112		75	75		116
Texas	11,224	5,537	472	3,531	59,381	458	382	9	166	166	1	343
Mountain	11,386	7,235	401	9,438	99,641	1,277	1,227	14	163	163		573
Montana	757	425	18	3,882	17,608	91	91		41	41		61
Idaho	1,190	710	39	925	10,661	87	87		25	25		23
Wyoming	314	188	38	496	10,369	33	33		20	20		41
Colorado	3,031	1,592	100	1,492	16,387	800	798	12				352
New Mexico	2,132	1,400	75	345	13,331	43	43		26	26		10
Arizona	876	564	25	1,072	11,680	58	58		19	19		29
Utah	2,001	1,419	68	528	9,625	109	61	2	18	18		35
Nevada	1,086	936	38	698	9,979	56	56		13	13		22
Pacific	10,573	5,689	293	3,098	68,695	371	371		379	353	3	189
Washington	2,601	1,364	26	570	15,343	92	92		46	46		37
Oregon	1,338	817	83	1,382	14,578	92	92		81	55	1	90
California	6,634	3,508	94	1,145	38,774	187	187		251	251	2	62
Hawaii	820	406	10	1,205	4,201	14	14					31
Puerto Rico	1,140	568	23	343								

[1] As provided for by National Industrial Recovery Act, by act of June 18, 1934, and by Emergency Relief Appropriation Act of 1935; total funds allotted include $196,000,000 for grade-crossing projects.

[2] Projects approved for construction are as follows: Federal-aid roads, 2,367 miles; estimated cost, $64,631,000; Federal aid allotted, $31,510,000. Emergency road construction, 20 miles; emergency funds allotted $628,000. Grade crossings, 107 projects, estimated cost, $2,387,000; emergency funds allotted, $1,763,000.

[3] Grade crossings eliminated, grade separations reconstructed, grade crossings protected by signals, etc.

[4] Includes Hawaii and Puerto Rico.

[5] Less than one-half mile.

Source: Federal Works Agency, Public Roads Administration; annual statements on status of road construction and grade-crossing projects.

No. 444.—Motor Vehicles—Factory Sales and Registrations: 1900 to 1938

Note.—Figures for 1921 and subsequent years include data for motor vehicles of United States design made by Canadian plants, and for motor vehicles assembled in foreign countries from parts made in the United States. No data for motorcycles are included.

Year	Factory sales[1]						Registrations (in thousands)		
	Number (in thousands)			Wholesale value (thousands of dollars)					
	Total	Passenger cars	Motor trucks[3]	Total	Passenger cars	Motor trucks[3]	Total	Passenger cars, busses, and taxis	Trucks and road tractors[2]
1900	4	4	-------	4,899	4,899	-------	8	8	-------
1905	25	25	(4)	40,000	39,030	970	78	77	1
1907	44	43	1	93,400	92,040	1,360	142	140	2
1908	65	64	2	137,800	135,250	2,550	198	194	3
1909	131	128	3	165,149	159,919	5,230	312	306	6
1910	187	181	6	225,000	215,340	9,660	469	459	10
1911	210	199	11	246,000	225,000	21,000	640	620	20
1912	378	356	22	378,000	335,000	43,000	944	903	41
1913	485	462	24	443,902	399,902	44,000	1,258	1,194	64
1914	569	544	25	458,958	413,859	45,098	1,711	1,626	86
1915	970	896	74	701,778	575,978	125,800	2,446	2,310	136
1916	1,618	1,526	92	1,082,378	921,378	161,000	3,513	3,298	215
1917	1,874	1,746	128	1,274,488	1,053,506	220,983	4,983	4,657	326
1918	1,171	943	227	1,236,107	801,938	434,169	6,147	5,622	525
1919	1,934	1,658	276	1,885,113	1,461,786	423,327	7,565	6,771	794
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,232	8,226	1,006
1921	1,682	1,518	164	1,261,667	1,091,752	169,914	10,463	9,483	980
1922	2,646	2,369	277	1,793,023	1,561,741	231,282	12,238	10,960	1,279
1923	4,180	3,754	427	2,592,033	2,274,554	317,479	15,092	13,540	1,553
1924	3,738	3,304	434	2,367,413	2,040,707	326,706	17,594	15,461	2,133
1925	4,428	3,871	557	3,015,164	2,544,529	470,635	19,937	17,496	2,441
1926	4,506	3,949	557	3,214,817	2,746,065	468,753	22,001	19,237	2,764
1927	3,580	3,083	497	2,700,706	2,265,633	435,073	23,133	20,219	2,914
1928	4,601	4,012	589	3,162,799	2,703,754	459,045	24,493	21,379	3,114
1929	5,622	4,795	827	3,576,646	2,981,142	595,504	26,501	23,122	3,380
1930	3,510	2,910	600	2,126,602	1,720,652	405,950	26,545	23,059	3,486
1931	2,472	2,038	434	1,426,656	1,153,908	272,748	25,814	22,348	3,466
1932	1,431	1,186	245	793,045	650,781	142,264	24,115	20,884	3,231
1933	1,986	1,627	359	987,436	795,305	192,132	23,874	20,644	3,231
1934	2,870	2,271	599	1,537,290	1,204,376	332,914	24,952	21,532	3,419
1935	4,120	3,388	732	2,187,847	1,788,635	399,212	26,231	22,583	3,647
1936	4,616	3,798	818	2,574,422	2,092,460	481,961	28,166	24,178	3,987
1937	5,016	4,069	948	2,971,028	2,397,718	573,310	29,705	25,450	4,255
1938	2,655	2,125	530	1,690,250	1,331,598	358,652	29,486	25,262	4,224

[1] See headnote.
[2] Road tractors are not included prior to 1924.
[3] A substantial part of the trucks reported comprises chassis without body; hence the value of bodies for these chassis is not included.
[4] Less than 500.

Sources: Automobile Manufacturers Association, New York, N. Y.; Automobile Facts and Figures. Federal Works Agency, Public Roads Administration; annual statement, State Motor-Vehicle Registrations.

No. 445.—Passenger Cars—Factory Sales, by Wholesale-Price Classes: 1925 to 1938

Note.—See headnote, table 444. For index numbers of retail sales of new passenger cars, see table 865

Year	Number sold								Percent of closed cars
	Total	$500 and under	$501 to $750	$751 to $1,000	$1,001 to $1,500	$1,501 to $2,000	$2,001 to $3,000	Over $3,000	
1925	3,870,744	2,019,708	660,520	545,981	462,243	103,119	54,814	24,359	56.5
1926	3,948,843	1,633,775	1,149,301	500,508	476,675	94,915	73,738	19,931	72.0
1927	3,083,360	1,039,216	957,987	446,663	466,902	107,425	50,064	15,103	84.9
1928	4,012,158	1,698,603	1,219,266	462,452	456,117	108,448	55,304	11,968	88.5
1929	4,794,898	2,585,414	1,317,116	387,835	347,340	98,086	47,587	11,520	89.4
1930	2,910,187	1,754,747	680,352	204,450	179,180	55,351	27,266	8,841	90.4
1931	2,038,183	1,328,204	413,929	162,954	80,687	33,846	12,714	5,759	92.9
1932	1,186,185	794,164	260,831	74,610	36,670	8,699	3,679	2,532	96.0
1933	1,627,361	1,316,341	237,099	32,610	20,125	10,409	3,725	2,052	98.5
1934	2,270,566	1,443,357	715,989	66,223	27,576	8,391	6,879	2,151	98.8
1935	3,387,806	1,787,171	1,444,529	110,813	28,736	8,716	5,413	2,428	99.5
1936	3,797,897	1,919,618	1,677,558	143,269	39,997	11,545	4,326	1,584	99.6
1937	4,068,935	1,368,018	2,392,415	260,280	31,226	11,633	4,061	1,302	99.9
1938	2,124,746	329,858	1,521,404	224,830	42,160	3,661	2,161	663	99.9

Source: Automobile Manufacturers Association, New York, N. Y.; Automobile Facts and Figures.

No. 446.—Motor Vehicles—Factory Sales in United States, by Months: 1931 to 1939

Note.—See also table 834

Month	1931	1932	1933	1934	1935	1936	1937	1938	1939
	Passenger cars [1]								
Total	1,973,090	1,135,491	1,573,512	2,177,919	3,252,244	3,669,528	3,915,889	2,000,985	--------
January	138,317	98,803	109,833	112,754	227,554	297,692	309,494	155,505	281,465
February	180,419	94,110	90,128	186,774	273,576	224,211	296,788	139,380	243,000
March	231,244	99,399	97,469	279,274	359,410	342,870	403,879	174,065	299,703
April	286,917	120,937	149,755	288,355	387,158	416,431	439,980	176,078	273,409
May	271,475	157,756	180,651	273,764	305,547	384,921	425,432	154,958	237,870
June	210,396	160,338	207,597	261,280	294,182	375,337	411,414	136,531	246,704
July	184,173	94,705	191,265	223,094	274,344	371,922	360,400	106,841	150,738
August	155,425	75,907	191,414	183,500	181,130	209,351	311,456	58,624	61,384
September	109,228	64,748	157,376	125,040	56,097	90,101	118,671	65,159	161,625
October	58,415	35,107	104,870	84,003	213,310	190,242	298,662	187,494	251,819
November	49,184	47,532	42,365	49,020	336,914	341,085	295,328	320,344	285,252
December	97,897	86,149	50,789	111,061	343,022	425,365	244,385	326,006	--------
	Motor trucks and busses [1]								
Total	416,648	235,187	346,545	575,192	694,690	784,587	893,085	488,100	--------
January	33,531	20,541	18,992	42,012	62,174	66,250	70,109	53,823	60,691
February	39,521	23,308	15,319	43,482	58,655	63,331	67,405	47,151	60,217
March	45,161	19,560	17,803	59,160	66,503	78,052	90,242	47,580	72,237
April	50,022	27,389	26,677	64,620	65,778	86,243	96,170	43,032	63,963
May	45,688	26,539	33,760	56,691	55,560	75,591	91,487	37,101	59,638
June	40,244	22,768	42,130	45,197	62,158	77,631	85,898	38,139	63,016
July	34,317	14,438	38,092	41,839	57,765	68,809	78,568	34,602	58,605
August	31,772	14,418	41,441	51,311	56,270	61,923	82,874	31,870	38,484
September	31,338	19,402	34,424	44,967	31,443	45,064	52,542	18,375	27,126
October	21,727	13,595	29,813	47,988	58,733	34,446	31,214	22,018	61,558
November	19,683	12,025	18,318	34,462	58,145	53,902	64,727	52,069	66,530
December	23,644	21,204	29,776	42,563	61,506	73,345	81,849	62,340	--------

[1] Passenger cars include taxicabs; trucks and busses include ambulances, funeral cars, fire apparatus, street sweepers, and road tractors.

Source: Department of Commerce, Bureau of the Census; figures published in monthly releases.

No. 447.—State Motor-Fuel Taxes—Receipts, 1936 to 1938, and Tax Rate, 1937 and 1938

State	Receipts from taxes, licenses, fees, etc.[1] (thousands of dollars)			Tax, cents per gallon, Dec. 31	
	1936	1937	1938	1937	1938
Total	691,420	761,998	772,060	[2] 4	[2] 4
Alabama	11,803	13,350	13,579	6	6
Arizona	3,843	4,333	4,243	5	5
Arkansas	9,235	9,962	10,002	6½	6½
California	43,008	46,624	47,117	3	3
Colorado	6,833	7,431	7,465	4	4
Connecticut	8,835	9,406	9,242	3	3
Delaware	1,856	2,034	2,073	4	4
Dist. of Col.	2,393	2,732	2,520	2	2
Florida	20,317	22,466	23,232	7	7
Georgia	17,493	19,550	19,633	6	6
Idaho	3,696	4,037	[3] 4,090	5	5
Illinois	33,819	36,266	36,888	3	3
Indiana	21,154	23,497	22,770	4	4
Iowa	12,196	13,047	13,254	3	3
Kansas	9,520	10,236	10,168	3	3
Kentucky	11,277	12,671	12,531	5	5
Louisiana	12,207	16,000	16,627	7	7
Maine	5,202	5,550	5,558	4	4
Maryland	8,921	9,857	9,929	4	4
Massachusetts	18,448	19,836	20,194	3	3
Michigan	25,739	29,430	[3] 27,728	3	3
Minnesota	12,329	15,493	19,570	4	4
Mississippi	9,062	[4] 10,222	[4] 10,181	6	6
Missouri	11,188	11,217	11,636	2	2
Montana	4,455	4,581	4,452	5	5
Nebraska	11,320	11,030	[3] 11,170	5	5
Nevada	1,080	1,177	1,202	4	4
New Hampshire	3,181	3,286	3,298	4	4
New Jersey	19,106	21,593	22,362	3	3
New Mexico	3,410	4,022	4,090	5	5
New York	55,709	61,915	66,195	4	4
North Carolina	20,961	23,393	24,308	6	6
North Dakota	2,301	2,935	2,318	3	3
Ohio	43,450	46,538	45,982	4	4
Oklahoma	13,216	13,772	13,910	4	4
Oregon	9,218	9,801	[3] 9,846	5	5
Pennsylvania	49,383	55,720	52,001	4	4
Rhode Island	2,230	3,094	3,495	3	3
South Carolina	9,695	11,135	[3] 11,494	6	6
South Dakota	4,186	4,155	[3] 4,112	4	4
Tennessee	18,158	18,938	[3] 19,320	7	7
Texas	38,471	41,678	42,747	4	4
Utah	3,088	3,424	[3] 3,524	4	4
Vermont	2,277	2,323	2,530	4	4
Virginia	14,714	16,122	16,621	5	5
Washington	14,345	15,282	15,431	5	5
West Virginia	6,810	8,496	9,397	5	5
Wisconsin	18,028	19,751	19,447	4	4
Wyoming	2,254	2,500	[3] 2,508	4	4

[1] Taxes on motor fuel and receipts from distributors' and dealers' licenses, inspection fees, fines and penalties, fees for motor-fuel carrier permits, refund or exemption permits, interest on deposits, and miscellaneous unclassified items. [2] Weighted average rate for the year. [3] Including tax on aviation gasoline.
[4] Not including taxes of $151,000 for 1937 and $163,000 for 1938, imposed in several Counties for sea-wall protection.

Source: Federal Works Agency, Public Roads Administration (formerly Department of Agriculture, Bureau of Public Roads); annual statement, State Motor-Fuel Tax Receipts.

No. 448.—Motor-Vehicle Registrations (Combined Figures for Passenger Cars and Motor Trucks), by States: 1915 to 1938

Note.—Registration periods ending not earlier than Nov. 30 and not later than Jan. 31 are considered as calendar-year periods. Net numbers, excluding reregistrations and nonresident registrations, are given, so far as possible. Totals in this table do not include, in most cases, those official cars which are exempt (or partially exempt) from paying regular registration fees to the States. Tractor trucks and tractors for highway use are included beginning with 1925

Division and State	1915	1920	1925	1930	1935	1937	1938
Continental U. S.	2,445,666	9,231,941	19,937,274	26,545,281	26,230,834	29,705,220	29,485,680
New England	206,609	573,321	1,290,151	1,698,619	1,680,828	1,866,510	1,861,493
Maine	21,545	62,907	140,499	186,157	181,165	200,907	196,690
New Hampshire	13,449	34,680	81,498	112,183	117,154	125,939	124,379
Vermont	11,499	31,625	69,576	86,624	[1] 81,513	88,958	87,402
Massachusetts	102,633	274,498	646,153	846,206	785,572	846,556	843,789
Rhode Island	16,362	50,477	101,756	136,423	148,597	167,586	168,888
Connecticut	41,121	119,134	250,669	331,026	366,827	436,564	440,335
Middle Atlantic	497,227	1,474,106	3,536,570	4,914,101	4,964,655	5,541,021	5,561,273
New York	255,242	676,205	1,625,583	2,307,730	2,330,962	2,561,703	2,584,123
New Jersey	81,848	227,737	580,554	852,850	888,292	994,497	1,000,684
Pennsylvania	160,137	570,164	1,330,433	1,753,521	1,745,401	1,984,821	1,976,466
East North Central	653,865	2,229,396	4,918,383	6,384,157	6,084,562	6,960,579	6,823,028
Ohio	181,332	621,390	1,346,400	1,759,363	[1] 1,714,627	1,876,132	1,870,249
Indiana	96,915	333,067	725,410	875,763	850,650	956,016	922,788
Illinois	180,832	568,924	1,263,177	1,638,260	1,525,817	1,768,946	1,780,865
Michigan	114,845	412,717	989,010	1,328,209	1,239,431	1,505,111	1,408,835
Wisconsin	79,741	293,298	594,386	782,562	754,037	854,374	840,291
West North Central	499,992	1,782,946	2,941,814	3,661,901	3,495,150	3,761,437	3,734,583
Minnesota	93,269	324,166	569,694	732,972	726,993	822,598	821,241
Iowa	145,109	437,378	659,202	778,386	699,016	745,602	740,021
Missouri	76,462	297,008	604,166	761,600	766,369	835,895	837,118
North Dakota	24,908	90,840	144,972	183,019	164,217	173,188	174,256
South Dakota	28,724	120,395	168,028	205,172	179,271	184,743	180,632
Nebraska	59,000	219,000	338,719	426,229	406,178	412,726	407,330
Kansas	72,520	294,159	457,033	594,523	553,106	586,685	573,985
South Atlantic	150,594	806,053	1,920,882	2,517,873	2,656,918	3,048,244	3,019,977
Delaware	5,052	18,300	40,140	56,109	56,560	63,599	64,078
Maryland	31,047	102,841	234,247	321,702	345,578	387,410	395,347
District of Columbia	8,009	34,161	103,092	156,676	171,464	184,119	162,863
Virginia	21,357	115,470	282,650	375,889	[2] 385,555	440,713	441,462
West Virginia	13,279	80,664	217,589	266,273	248,379	290,837	275,691
North Carolina	21,000	140,860	[3] 340,287	453,241	463,123	525,350	537,242
South Carolina	15,000	93,843	168,496	218,402	[4] 235,919	296,224	287,913
Georgia	25,000	146,000	248,093	341,580	394,096	441,847	432,360
Florida	[5] 10,850	73,914	286,388	327,801	356,244	418,145	423,021
East South Central	48,421	357,656	878,115	1,213,501	1,126,993	1,344,484	1,330,016
Kentucky	19,500	112,683	261,647	331,002	346,130	404,455	414,207
Tennessee	[6] 7,618	101,852	244,626	368,259	351,808	400,384	398,624
Alabama	11,634	74,637	194,580	277,146	[7] 242,676	313,359	301,990
Mississippi	9,669	68,486	177,262	237,094	186,289	226,285	[8] 215,195
West South Central	84,433	772,655	1,790,017	2,411,714	2,360,458	2,652,742	2,630,332
Arkansas	8,021	59,082	183,589	220,204	207,429	229,867	220,391
Louisiana	11,380	73,000	207,000	275,283	268,824	323,498	326,199
Oklahoma	25,032	212,880	424,345	550,331	502,101	547,263	535,399
Texas	[9] 40,000	427,693	975,083	1,365,896	[9] 1,382,104	1,552,114	1,548,343
Mountain	78,520	374,473	675,706	962,572	958,997	1,149,719	1,133,472
Montana	14,540	60,650	94,656	135,168	149,712	173,892	177,326
Idaho	7,071	50,861	81,506	119,077	118,266	142,110	137,851
Wyoming	3,976	23,926	47,711	61,501	69,998	81,837	80,765
Colorado	28,894	129,255	240,097	308,509	284,578	337,217	332,774
New Mexico	5,100	22,100	49,111	84,150	92,457	118,106	116,537
Arizona	7,753	34,601	68,029	110,525	103,122	129,210	128,791
Utah	9,177	42,616	73,427	113,997	106,006	126,692	127,004
Nevada	2,009	10,464	21,169	29,645	34,858	40,655	38,424
Pacific	226,205	861,333	1,985,636	2,761,043	2,902,273	3,380,484	3,391,516
Washington	38,823	173,920	328,442	446,062	453,660	535,483	523,328
Oregon	23,585	103,790	216,553	[10] 273,625	[11] 297,112	360,348	357,321
California	163,797	583,623	1,440,541	2,041,356	2,151,501	2,484,653	2,510,867

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

Source: Federal Works Agency, Public Roads Administration (formerly Department of Agriculture, Bureau of Public Roads); annual statement, State Motor-Vehicle Registrations.

No. 449.—Motor-Vehicle Registrations and Revenues, by States: 1938

Division and State	Number of motor cars				Trailers, registered (including official) [1]	Motorcycles, registered (including official)	Receipts from motor-vehicle administration	
	Total	Registered vehicles, private and commercial		Publicly owned vehicles, Federal, State, county, etc.			Total receipts [2]	Registration, motor cars
		Passenger cars, busses, and taxis	Trucks, tractor trucks, etc.				Thousands of dollars	
Continental U. S.	[3] 29,851,210	25,261,649	4,224,031	[4] 367,230	51,096,596	[6] 117,421	388,825	330,866
New England	1,878,557	1,588,672	272,811	18,774	36,243	5,981	24,806	17,568
Maine	199,329	154,027	42,663	2,639	[7] 10,318	870	3,582	[8] 2,725
New Hampshire	125,034	[9] [10] 97,635	[9] 26,744	[10] 655	4,786	897	2,711	2,262
Vermont	88,050	[10] [11] 78,360	[11] 9,042	[10] 648	1,867	450	2,365	1,994
Massachusetts	[12] 850,506	[12] 739,323	104,466	[12] 8,417	13,153	776	6,759	4,121
Rhode Island	170,757	149,634	19,254	1,869	670	810	2,778	2,217
Connecticut	444,881	369,693	70,642	4,546	5,449	2,178	6,611	4,249
Middle Atlantic	5,628,008	4,859,095	702,178	66,735	75,814	28,645	101,841	84,934
New York	2,615,835	2,259,468	324,655	31,712	41,701	11,508	47,124	43,418
New Jersey	1,013,924	868,734	131,950	13,240	7,302	5,326	20,204	13,806
Pennsylvania	1,998,249	1,730,893	245,573	21,783	26,811	11,811	34,513	27,710
East North Central	6,878,269	6,020,576	802,452	55,241	339,971	29,297	92,287	80,072
Ohio	1,891,493	[9] 1,686,555	[9] 183,694	21,244	106,459	9,655	27,204	[13] 22,370
Indiana	930,588	795,118	127,670	7,800	63,000	4,753	9,635	7,599
Illinois	1,793,674	[9] 1,565,202	[9] 215,663	12,809	23,494	6,867	21,591	19,925
Michigan	1,411,377	[10] [14] 1,269,894	[14] 138,941	[10] 2,542	141,728	4,311	20,856	17,801
Wisconsin	851,137	703,807	136,484	10,846	5,290	3,711	13,001	12,377
West North Central	3,762,635	3,171,457	563,126	28,052	220,517	9,691	40,384	36,878
Minnesota	828,540	705,271	115,970	7,299	31,089	2,236	9,377	8,832
Iowa	747,487	650,534	89,487	7,466	[15] 87,826	2,630	11,797	11,188
Missouri	841,380	703,457	133,661	4,262	33,395	1,807	9,439	8,273
North Dakota	175,743	141,195	33,061	1,487	861	296	1,523	1,404
South Dakota	183,005	152,138	28,494	2,373	19,249	450	1,983	1,583
Nebraska	410,991	342,275	65,055	3,661	41,308	1,179	2,442	2,135
Kansas	575,489	[10] 476,587	97,398	[10] 1,504	6,789	1,093	3,823	3,463
South Atlantic	3,075,610	2,566,510	453,467	55,633	99,176	11,765	37,312	31,251
Delaware	65,286	[9] 53,559	[9] 10,519	1,208	2,801	293	1,216	894
Maryland	397,713	[10] 339,896	55,451	[10] 2,366	4,269	1,481	5,069	3,584
Dist. of Columbia	166,491	148,614	14,249	[10] 3,628	935	778	2,145	1,333
Virginia	450,163	373,896	67,566	8,701	9,732	1,978	6,134	5,449
West Virginia	281,988	230,637	45,054	6,297	3,212	1,282	5,498	4,524
North Carolina	551,094	461,141	76,101	13,852	42,359	1,708	7,211	[8] 6,871
South Carolina	293,951	246,585	41,328	6,038	5,410	1,162	1,633	1,316
Georgia	439,044	359,204	73,156	6,684	12,792	1,404	1,974	1,465
Florida	429,880	352,978	70,043	6,859	17,666	1,679	6,432	5,815
East South Central	1,352,407	1,101,898	228,118	22,391	5,829	4,011	17,087	14,683
Kentucky	420,103	350,531	63,676	5,896	11	1,225	4,599	[8] 2,971
Tennessee	407,897	337,584	61,040	9,273	[7] 45	1,504	4,173	[8] [17] 3,907
Alabama	307,737	250,074	51,916	5,747	3,945	963	4,314	3,858
Mississippi	216,670	[10] 163,709	51,486	[10] 1,475	1,828	319	4,001	3,947
West South Central	2,672,571	2,088,407	541,925	42,239	114,018	7,182	33,842	29,827
Arkansas	225,651	167,045	53,346	5,260	10,200	549	2,908	2,495
Louisiana	332,751	248,754	77,445	6,552	14,993	1,096	4,892	4,215
Oklahoma	544,553	441,184	94,215	9,154	36,540	1,104	5,779	4,401
Texas	1,569,616	1,231,424	316,919	21,273	52,285	4,433	20,263	18,716
Mountain	1,157,168	914,262	219,210	23,696	42,521	4,054	11,152	9,519
Montana	175,617	[9] 130,188	[9] 41,138	4,291	2,980	456	1,546	1,169
Idaho	140,940	109,716	28,135	3,089	18,341	559	2,380	2,269
Wyoming	82,746	63,176	17,589	1,981	10,292	281	601	552
Colorado	335,121	[10] 277,860	54,914	[10] 2,347	1,445	1,278	2,544	2,049
New Mexico	119,626	89,592	26,945	3,089	2,642	398	1,643	1,505
Arizona	133,219	105,793	22,998	4,428	4,845	479	1,076	809
Utah	130,140	107,038	19,966	3,136	689	484	1,097	921
Nevada	39,759	30,899	7,525	1,335	1,287	119	265	245
Pacific	3,440,614	2,950,772	440,744	49,098	162,462	16,785	30,114	26,134
Washington	533,493	440,128	83,200	10,165	18,230	2,216	3,262	2,487
Oregon	364,213	297,492	59,829	6,892	[7] 33	1,535	2,922	[8] 2,598
California	2,542,908	[9] 2,213,152	[9] 297,715	32,041	144,190	13,034	23,930	21,049

[1] As reported. State registration requirements differ widely.
[2] Includes registration fees, certificates of title, transfer or reregistration fees, permits, fines, etc.; excludes motor-fuel and motor-carrier taxes.
[3] Adjusted to exclude duplication referred to in note 12. Includes 5,371 publicly owned motor vehicles not accounted for in State figures. [4] Includes 5,371 vehicles not accounted for in State figures.
[5] Includes 45 trailers not accounted for in State figures.
[6] Includes 10 motorcycles not accounted for in State figures.
[7] Some trailers registered with trucks. [8] Includes fees for registration of trailers.
[9] Busses included with trucks.
[10] State, county, and municipal vehicles included with private and commercial vehicles.
[11] Light delivery trucks included with passenger cars.
[12] 1,700 publicly owned vehicles included also with registered vehicles; total adjusted to exclude duplication.
[13] Includes fees for registration of motorcycles. [14] Taxicabs and busses included with motortrucks.
[15] Includes 63,000 light trailers registered without charge.
[16] Includes 405 automobiles of the diplomatic corps. [17] Includes receipts for dealers' licenses and plates.

Source: Federal Works Agency, Public Roads Administration (formerly Department of Agriculture, Bureau of Public Roads); annual statements on State Motor-Vehicle Registrations and Receipts.

No. 450.—Motor-Vehicle Fatalities in Continental United States: 1914 to 1937

Note.—This table covers all deaths from automobile accidents, excluding deaths as a result of train and street car collisions with automobiles, and motorcycle accidents. Rural area and urban area or city population figures shown for 1930 to 1933 and used in computing rates for these years are the latest revised estimates. The term "rural area" includes all rural parts of the registration States excluding cities having populations of 10,000 or more; "urban area" includes all cities having populations of 10,000 or more in the registration States; and "cities in nonregistration States" includes only a few cities in certain States not in the death registration area

Year	Registration area			Registration States				
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Number of cars registered (including official)	Deaths per 100,000 cars
1914	65, 813, 315	2, 826	4.3	60, 943, 663	2, 571	4.2	1, 234, 844	208.2
1915	67, 095, 681	3, 978	5.9	61, 881, 753	3, 589	5.8	1, 775, 064	202.2
1916	71, 349, 162	5, 193	7.3	66, 371, 691	4, 737	7.1	2, 511, 805	188.6
1917	74, 984, 498	6, 724	9.0	69, 646, 824	6, 064	8.7	3, 530, 268	171.8
1918	81, 333, 675	7, 525	9.3	79, 536, 574	7, 310	9.2	4, 715, 317	155.0
1919	85, 166, 043	7, 968	9.4	83, 612, 508	7, 771	9.3	5, 922, 572	131.2
1920	87, 632, 592	9, 103	10.4	86, 179, 774	8, 878	10.3	7, 440, 420	119.3
1921	89, 102, 434	10, 168	11.4	87, 592, 175	9, 903	11.3	8, 578, 536	115.4
1922	93, 866, 240	11, 666	12.4	92, 540, 579	11, 466	12.4	10, 374, 993	110.5
1923	97, 816, 104	14, 411	14.7	96, 385, 407	14, 157	14.7	13, 359, 965	106.0
1924	100, 082, 062	15, 528	15.5	98, 471, 683	15, 221	15.5	15, 714, 878	96.9
1925	102, 951, 999	17, 571	17.1	101, 111, 137	17, 149	17.0	17, 875, 567	95.9
1926	104, 938, 301	18, 871	18.0	102, 991, 160	18, 419	17.9	19, 838, 947	92.8
1927	108, 177, 568	21, 160	19.6	106, 309, 646	20, 704	19.5	21, 084, 564	98.2
1928	114, 258, 516	23, 765	20.8	113, 050, 663	23, 427	20.7	23, 126, 127	101.3
1929	116, 317, 515	27, 066	23.3	115, 097, 972	26, 662	23.2	25, 097, 555	106.2
1930	118, 472, 000	29, 080	24.5	117, 249, 000	28, 684	24.5	25, 350, 499	113.1
1931	119, 479, 000	30, 042	25.1	118, 215, 000	29, 658	25.1	24, 705, 328	120.0
1932	120, 291, 000	26, 350	21.9	119, 027, 000	26, 033	21.9	23, 085, 036	112.8
1933 [1]	125, 770, 000	29, 323	23.3	125, 770, 000	29, 323	23.3	24, 103, 969	121.7
1934 [1]	126, 626, 000	33, 980	26.8	126, 626, 000	33, 980	26.8	25, 223, 170	134.7
1935 [1]	127, 521, 000	34, 183	26.8	127, 521, 000	34, 183	26.8	26, 514, 791	128.9
1936 [1]	128, 429, 000	35, 761	27.8	128, 429, 000	35, 761	27.8	28, 520, 559	125.4
1937 [1]	129, 257, 000	37, 205	28.8	129, 257, 000	37, 205	28.8	29, 705, 220	125.2

Year	Rural area of registration States			Urban area in registration States			Cities in nonregistration States		
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population
1914	30, 829, 210	896	2.9	30, 114, 453	1, 675	5.6	4, 869, 052	255	5.2
1915	31, 078, 193	1, 226	3.9	30, 803, 560	2, 363	7.7	5, 213, 928	389	7.5
1916	34, 752, 780	1, 684	4.8	31, 618, 911	3, 053	9.7	4, 977, 471	456	9.2
1917	36, 928, 787	2, 174	5.9	32, 718, 037	3, 890	11.9	5, 337, 674	660	12.4
1918	41, 844, 499	2, 368	5.7	37, 692, 075	4, 942	13.1	1, 797, 101	215	12.0
1919	44, 664, 983	2, 508	5.6	38, 947, 525	5, 263	13.5	1, 553, 535	197	12.7
1920	44, 475, 250	2, 757	6.2	41, 704, 524	6, 121	14.7	1, 452, 818	225	15.5
1921	45, 070, 088	3, 368	7.5	42, 522, 087	6, 535	15.4	1, 510, 269	265	17.5
1922	48, 575, 329	4, 020	8.3	43, 965, 250	7, 446	16.9	1, 325, 661	200	15.1
1923	50, 867, 586	5, 209	10.2	45, 517, 821	8, 948	19.7	1, 430, 697	254	17.8
1924	52, 047, 381	5, 668	10.9	46, 424, 302	9, 553	20.6	1, 610, 379	307	19.1
1925	53, 580, 742	6, 509	12.1	47, 530, 395	10, 640	22.4	1, 840. 862	422	22.9
1926	54, 389, 753	7, 348	13.5	48, 601, 407	11, 071	22.8	1, 947, 141	452	23.2
1927	56, 613, 922	8, 452	14.9	49, 695, 724	12, 252	24.7	1, 867, 922	456	24.4
1928	61, 350, 563	9, 997	16.3	51, 700, 100	13, 430	26.0	1, 207, 853	338	28.0
1929	62, 421, 794	11, 797	18.9	52, 676, 178	14, 865	28.2	1, 219, 543	404	33.1
1930	60, 565, 200	12, 193	20.1	56, 772, 800	16, 491	29.0	1, 222, 800	396	32.4
1931	60, 302, 100	12, 702	21.1	57, 854, 900	16, 956	29.3	1, 264, 200	384	30.4
1932	61, 033, 400	11, 304	18.5	57, 824, 600	14, 729	25.5	1, 264, 200	317	25.1
1933 [1]	65, 411, 700	13, 267	20.3	60, 281, 300	16, 056	26.6	(1)	(1)	(1)
1934 [1]	(2)	15, 712	(2)	(2)	18, 268	(2)	(1)	(1)	(1)
1935 [1]	(2)	16, 521	(2)	(2)	17, 662	(2)	(1)	(1)	(1)
1936 [1]	(2)	17, 672	(2)	(2)	18, 089	(2)	(1)	(1)	(1)
1937 [1]	(2)	18, 858	(2)	(2)	18, 347	(2)	(1)	(1)	(1)

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

Sources: Department of Commerce, Bureau of the Census; Vital Statistics—Special Reports, Volume 7, No. 35. Federal Works Agency, Public Roads Administration (formerly Department of Agriculture, Bureau of Public Roads); annual statement, State Motor-Vehicle Registrations.

No. 451.—Motor-Vehicle Fatalities, by States and for Large Cities Having Death Registration: 1926 to 1937

Note.—Figures include all deaths from automobile accidents, excluding deaths as a result of train and street car collisions with automobiles, and motorcycle accidents. Rates are based on revised estimates of population

	1926–1930, average	1931	1932	1933	1934	1935	1936	1937
Registration area in Continental United States:								
Number of deaths	23, 988	30, 042	26, 350	29, 323	33, 980	34, 183	35, 761	37, 205
Rate per 100,000 estimated population	21. 3	25. 2	21. 9	23. 3	26. 8	26. 8	27. 8	28. 8
NUMBER OF DEATHS								
Total registration, States [1]	23, 579	29, 658	26, 033	29, 323	33, 980	34, 183	35, 761	37, 205
Alabama	392	472	405	485	498	579	667	654
Arizona	143	149	162	147	205	205	234	249
Arkansas	[2] 242	313	260	280	350	384	419	361
California	1, 828	2, 367	2, 198	2, 233	2, 625	2, 633	2, 886	2, 913
Colorado	232	319	284	298	328	312	363	386
Connecticut	376	457	409	452	464	477	441	426
Delaware	64	76	79	84	81	66	84	103
Florida	479	518	485	494	604	604	652	715
Georgia	[3] 519	608	541	651	777	900	938	908
Idaho	87	88	86	117	150	158	186	182
Illinois	1, 645	2, 049	1, 831	1, 943	2, 288	2, 037	2, 183	2, 342
Indiana	772	1, 023	845	979	1, 144	1, 056	1, 187	1, 253
Iowa	376	564	422	514	531	570	507	545
Kansas	322	402	386	482	481	518	534	431
Kentucky	357	514	441	504	630	657	666	799
Louisiana	332	412	341	395	461	500	560	496
Maine	127	159	149	190	201	200	202	203
Maryland	363	466	410	429	488	446	452	519
Massachusetts	732	813	777	801	986	829	875	875
Michigan	1, 284	1, 407	1, 143	1, 196	1, 416	1, 673	1, 813	2, 052
Minnesota	439	622	486	525	624	585	603	610
Mississippi	265	284	234	283	401	385	487	435
Missouri	605	844	690	770	944	910	964	959
Montana	100	118	96	115	198	155	168	168
Nebraska	224	291	212	283	293	325	290	297
Nevada	[4] 40	63	59	63	69	77	71	65
New Hampshire	83	100	70	135	104	128	110	146
New Jersey	1, 040	1, 229	1, 105	1, 147	1, 186	1, 156	1, 094	1, 266
New Mexico	[4] 104	95	97	102	146	154	204	204
New York	2, 628	3, 077	2, 813	2, 784	2, 903	2, 783	2, 647	2, 969
North Carolina	555	650	558	725	874	965	930	1, 009
North Dakota	78	110	57	101	118	107	129	111
Ohio	1, 706	1, 970	1, 822	1, 829	2, 119	2, 161	2, 167	2, 441
Oklahoma	[3] 433	404	437	485	584	649	633	608
Oregon	221	292	223	249	309	284	347	341
Pennsylvania	2, 011	2, 412	2, 043	2, 190	2, 430	2, 295	2, 359	2, 506
Rhode Island	136	116	101	97	103	106	111	121
South Carolina	288	380	329	342	470	477	571	520
South Dakota	[5] 112	116	101	115	119	142	123	105
Tennessee	409	547	474	540	672	688	758	699
Texas	(6)	(6)	(6)	1, 292	1, 579	1, 801	1, 924	2, 033
Utah	109	157	115	135	178	178	180	193
Vermont	62	71	63	70	97	81	95	91
Virginia	413	656	561	592	747	826	792	811
Washington	397	461	413	442	596	547	601	537
West Virginia	305	427	332	382	416	497	501	446
Wisconsin	568	731	624	627	687	762	720	801
Wyoming	65	98	78	87	105	100	114	131
CITY								
Total registration cities [7]	14, 031	17, 340	15, 046	16, 056	18, 268	17, 662	8, 395	8, 680
Akron	82	77	80	85	88	84	75	84
Albany	40	45	35	37	47	47	49	37
Atlanta	76	95	99	105	108	116	124	104
Baltimore	188	226	201	185	225	198	186	227
Birmingham	63	82	75	80	74	69	88	91

No. 451.—Motor-Vehicle Fatalities, By States and for Large Cities Having Death Registration: 1926 to 1937—Continued

City	1926–1930, average	1931	1932	1933	1934	1935	1936	1937
Boston	138	148	151	143	166	164	166	152
Bridgeport	36	59	27	51	47	50	45	51
Buffalo	156	153	132	144	151	146	150	183
Chicago	795	953	846	882	952	779	763	814
Cincinnati	135	149	124	143	187	163	166	176
Cleveland	281	286	262	248	268	256	259	292
Columbus	99	121	99	109	120	129	126	157
Dallas	64	81	71	83	90	102	95	101
Dayton	61	75	58	70	80	82	86	94
Denver	63	86	86	97	106	91	107	115
Des Moines	33	43	45	43	45	54	38	37
Detroit	388	372	321	307	336	329	402	369
Flint	44	53	38	56	54	77	70	99
Fort Worth	43	55	56	45	63	63	65	60
Grand Rapids	38	36	29	23	30	46	45	47
Hartford	46	55	50	55	59	53	61	34
Houston	77	101	64	103	108	108	110	114
Indianapolis	110	156	99	124	143	139	149	128
Jacksonville	45	56	58	65	60	55	52	60
Jersey City	56	43	58	64	73	52	54	64
Kansas City, Kans	19	24	36	30	47	37	47	35
Kansas City, Mo	92	137	89	121	122	106	108	105
Long Beach	39	60	55	55	59	49	59	59
Los Angeles	365	488	486	466	521	549	556	554
Louisville	80	109	85	88	123	106	114	124
Memphis	75	100	101	116	112	98	115	102
Milwaukee	114	108	97	89	79	77	80	91
Minneapolis	88	114	91	98	105	124	121	78
Nashville	51	71	72	55	65	82	98	90
New Haven	49	51	53	45	48	52	47	54
New Orleans	108	126	91	120	126	134	129	111
New York	1,191	1,299	1,163	1,146	1,135	1,045	924	970
Newark, N. J	123	106	98	100	90	117	106	132
Norfolk	27	44	36	41	40	34	35	27
Oakland	74	101	64	68	87	79	101	81
Oklahoma City	44	55	66	62	54	64	71	64
Omaha	49	66	44	58	67	65	52	47
Paterson	50	52	56	57	42	57	45	49
Philadelphia	346	354	321	367	364	303	299	340
Pittsburgh	193	218	159	137	143	173	169	173
Portland, Oreg	61	95	74	83	98	88	108	84
Providence	69	52	51	48	40	37	55	64
Richmond	49	90	67	71	79	87	84	88
Rochester	67	76	62	45	80	73	69	70
St. Louis	177	180	156	149	173	191	171	181
St. Paul	61	87	84	70	90	58	69	75
Salt Lake City	42	50	58	46	67	51	70	64
San Antonio	58	63	50	68	77	58	82	73
San Diego	57	66	68	70	63	78	60	62
San Francisco	137	126	132	145	115	126	108	155
Scranton	38	36	32	42	53	38	44	39
Seattle	85	116	80	105	147	115	124	112
Springfield, Mass	35	33	28	30	39	31	33	35
Syracuse	53	70	39	49	60	58	42	69
Toledo	96	120	109	89	113	99	97	119
Trenton	48	56	41	56	57	55	52	50
Tulsa	[3] 39	33	34	33	52	65	48	44
Washington, D. C	117	161	186	142	192	155	159	170
Worcester	40	37	31	51	47	48	35	50
Yonkers	22	24	17	27	17	14	18	20
Youngstown	63	69	41	52	55	77	60	80

[1] Including the District of Columbia. All States were in the registration area in 1933 and thereafter.
[2] Average, 1927–30.
[3] Average, 1928–30.
[4] Average, 1929 and 1930.
[5] 1930 only.
[6] Not in registration area.
[7] Only cities of over 120,000 inhabitants, according to 1930 census, are shown separately.

Source: Department of Commerce, Bureau of the Census; Vital Statistics—Special Reports, Vol. 7, No. 35 and Mortality Statistics, 1934 and 1935.

20. TRANSPORTATION, AIR AND LAND—STEAM AND ELECTRIC RAILWAYS, EXPRESS COMPANIES, MOTOR BUSSES, AND CIVIL AERONAUTICS

[Data in this section relate to continental United States unless otherwise stated]

GENERAL NOTE.—The 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.

Class I companies make monthly reports from which data are compiled currently and published in a series of monthly statements. The yearly totals from these reports become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

No. 452.—STEAM RAILWAYS—MILEAGE OWNED AND MILEAGE OPERATED: 1890 TO 1938

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

Year	Miles of road (first track) owned	Miles operated					
		All railways: Road (first track)	Reporting railways				Class I railways: Road (first track)
			Road (first track)	Other main tracks	Yard track and sidings	Total track	
June 30, 1890	163, 597	167, 191	156, 404	9, 760	33, 711	199, 875	----------
1895	180, 657	184, 628	177, 746	12, 348	43, 181	233, 275	----------
1900	193, 346	198, 964	192, 556	14, 075	52, 153	258, 784	----------
1905	218, 101	225, 196	216, 974	19, 881	69, 942	306, 797	----------
1910	240, 293	249. 992	240, 831	25, 354	85, 582	351, 767	----------
1914	252, 105	263, 547	256, 547	32, 376	98, 285	387, 208	226, 999
1915	253, 789	264, 378	257, 569	33, 662	99, 910	391, 141	228, 989
Dec. 31, 1916	254, 037	266, 381	259, 705	34, 325	102, 984	397, 014	231, 674
1917	253, 626	266, 015	259, 705	35, 066	105, 582	400, 353	232, 697
1918	253, 529	264, 233	258, 507	36, 228	107, 608	402, 343	233, 145
1919	253, 152	263, 707	258, 525	36, 730	108, 637	403, 892	234, 363
1920	252, 845	263, 821	259, 941	36, 894	109, 744	406, 579	235, 234
1921	251, 176	262, 544	258, 362	37, 614	111, 555	407, 531	234, 702
1922	250, 413	261, 984	257, 425	37, 888	114, 046	409, 359	234, 976
1923	250, 222	262, 482	258, 084	38, 697	116, 212	412, 993	235, 574
1924	250, 156	262, 158	258, 238	39, 916	116, 874	415, 028	235, 894
1925	249, 398	261, 871	258, 631	40, 962	118, 361	417, 954	236, 849
1926	249, 138	261, 562	258, 815	41, 686	120, 840	421, 341	237, 054
1927	249, 131	262, 091	259, 639	42, 071	123, 027	424, 737	238, 634
1928	249, 309	262, 713	260, 546	42, 432	124, 772	427, 750	240, 747
1929	249, 433	262, 546	260, 570	42, 711	125, 774	429, 055	242, 015
1930	249, 052	262, 215	260, 440	42, 742	126, 701	429, 883	242, 391
1931	248, 829	261, 816	259, 999	42, 780	127, 044	429, 823	242, 292
1932	247, 595	260, 438	258, 869	42, 556	126, 977	428, 402	241, 424
1933	245, 703	258, 465	256, 741	42, 397	126, 526	425, 664	239, 797
1934	243, 857	256, 418	254, 832	42, 109	125, 410	422, 401	238, 555
1935	241, 822	254, 347	252, 930	41, 916	124, 382	419, 228	237, 491
1936	240, 104	252, 871	251, 542	41, 731	123, 108	416, 381	236, 486
1937	238, 539	251, 829	250, 582	41, 579	122, 411	414, 572	235, 168
1938	236, 842	249, 826	248, 474	41, 580	121, 261	411, 324	234, 031

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

No. 453.—Steam Railways—Miles of Road Owned, by States: 1860 to 1937

Note.—See headnote to table 452. The data are for the actual length of line in each State without duplication. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter; they include reporting, circular, and unofficial railways, but since 1908 exclude switching and terminal roads

State	1860[1]	1870[1]	1880[1]	1890	1900	1910[2]	1920	1930	1936	1937
United States[3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,052	240,104	238,539
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,596	7,053	6,971
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,193	1,912	1,912
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,165	1,023	1,007
Vermont	554	614	914	921	1,012	1,100	1,077	1,056	984	961
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,022	1,956	1,923
Rhode Island	108	136	210	213	212	212	211	191	202	202
Connecticut	601	742	923	1,007	1,024	1,000	1,001	969	976	966
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	21,752	21,064	20,869
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,312	8,134	8,017
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,299	2,124	2,133
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,141	10,806	10,719
South Atlantic	5,976	7,349	9,789	18,270	28,362	29,795	32,380	31,644	30,297	30,008
Delaware	127	197	275	323	347	335	335	325	300	300
District of Columbia	(4)	(4)	(4)	30	32	36	36	36	35	35
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,443	1,412	1,409
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,516	4,414	4,400
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,046	3,890	3,832
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,161	4,801	4,764
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,780	3,577	3,543
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,671	6,462	6,425
Florida	402	446	518	2,471	3,299	4,432	5,212	5,666	5,406	5,291
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,770	42,058	41,[illegible]9
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,804	8,567	8,[illegible]30
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,106	6,966	6,[illegible]39
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	12,500	12,198	12,[illegible]64
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,072	7,444	7,438
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,288	6,883	6,828
West North Central	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,400	49,530	4[illegible] 367
Minnesota	--------	1,092	3,151	5,466	6,943	8,669	9,114	8,779	8,524	[illegible],507
Iowa	655	2,683	5,400	8,356	9,135	9,755	9,808	9,698	9,244	[illegible],203
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,117	7,897	7,489	7,425
North Dakota	--------	[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,275	5,269	5,269
South Dakota	--------	(6)	(6)	2,486	2,850	3,948	4,276	4,238	4,152	4,151
Nebraska	--------	705	1,953	5,295	5,685	6,067	6,166	6,174	6,104	6,105
Kansas	--------	1,501	3,400	8,806	8,719	9,007	9,388	9,339	8,748	8,707
East South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,452	16,574	16,461
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,054	3,742	3,728
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	3,940	3,742	3,689
Alabama	743	1,157	1,843	3,314	4,226	5,226	5,378	5,249	5,128	5,082
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,209	3,962	3,962
West South Central	660	1,417	5,044	13,782	18,221	31,122	32,972	33,227	32,358	32,203
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,654	4,508	4,499
Texas	307	711	3,244	8,613	9,886	14,282	16,125	17,069	16,561	16,496
Oklahoma	--------	--------	289	1,214	2,151	5,980	6,572	6,678	6,628	6,631
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,826	4,66[illegible]	4,577
Mountain	--------	1,466	5,082	12,676	15,808	22,956	25,170	24,973	24,289	24,058
Montana	--------	--------	106	2,181	3,010	4,207	5,072	5,228	5,195	5,164
Wyoming	--------	459	512	942	1,229	1,645	1,931	2,036	1,994	1,996
Colorado	--------	157	1,570	4,176	4,587	5,533	5,510	4,972	4,810	4,636
New Mexico	--------	--------	758	1,324	1,753	3,032	2,972	2,973	2,866	2,867
Arizona	--------	--------	349	1,097	1,512	2,097	2,478	2,494	2,283	2,263
Utah	--------	257	842	1,090	1,547	1,986	2,161	2,196	2,171	2,163
Nevada	--------	593	739	925	909	2,277	2,160	2,109	2,115	2,115
Idaho	--------	--------	206	941	1,261	2,179	2,877	2,965	2,865	2,854
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,238	16,881	16,803
Washington	--------	--------	289	1,783	2,914	4,875	5,587	5,542	5,272	5,280
Oregon	--------	159	508	1,428	1,724	2,285	3,305	3,456	3,514	3,472
California	23	925	2,195	4,356	5,751	7,772	8,356	8,240	8,095	8,051
Alaska Territory	--------	--------	--------	--------	22	390	246	790	732	732
Hawaii Territory	--------	--------	--------	--------	--------	175	243	232	201	201

[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. 454.—Steam Railways—Miles of Road Owned and Operated: 1842 to 1938

Note.—See note to table 452. Since 1890 the columns correspond to the first and third columns of that table. The exact basis of the data prior to 1890 is not stated. For years 1842 to 1889 and 1916 to date data relate to Dec. 31; for years 1890 to 1915 data relate to June 30

Year	Owned	Operated	Year	Owned	Operated	Year	Owned	Operated
1842		4,026	1897	184,428	183,284	1918	253,529	258,507
1850		9,021	1898	186,396	184,648	1919	253,152	258,525
1855		18,374	1899	189,295	187,535	1920	252,845	259,941
1860		30,626	1900	193,346	192,556	1921	251,176	258,362
1865		35,085	1901	197,237	195,562	1922	250,413	257,425
1870		52,922	1902	202,472	200,155	1923	250,222	258,084
1875		74,096	1903	207,977	205,314	1924	250,156	258,238
1880		93,262	1904	213,904	212,243	1925	249,398	258,631
1884		125,345	1905	218,101	216,974	1926	249,138	258,815
1885		128,320	1906	224,363	222,340	1927	249,131	259,639
1886		136,338	1907	229,951	227,455	1928	249,309	260,546
1887		149,214	1908	233,468	230,494	1929	249,433	260,570
1888		156,114	1909	236,834	235,402	1930	249,052	260,440
1889		161,276	1910	240,293	240,831	1931	248,829	259,999
1890	163,597	156,404	1911	243,979	246,238	1932	247,595	258,869
1891	168,403	161,275	1912	246,777	249,852	1933	245,703	256,741
1892	171,564	162,397	1913	249,777	253,470	1934	243,857	254,882
1893	176,461	169,780	1914	252,105	256,547	1935	241,822	252,930
1894	178,709	175,691	1915	253,789	257,569	1936	240,104	251,542
1895	180,657	177,746	1916	254,037	259,705	1937	238,539	250,582
1896	182,777	181,983	1917	253,626	259,705	1938	236,842	248,474

Source: Poor's Manual of Railroads prior to 1890; thereafter, Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 455.—Steam Railways (Class I)—Mileage Operated, Locomotives, and Freight-Car Capacity, by Districts: 1920 to 1937

Note.—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail see table 459

Year ended Dec. 31	Mileage operated				Locomotives			Aggregate capacity of freight cars (1,000 tons)
	Road (first track)	Other main tracks	Yard track and sidings	Total track	Number, steam and electric	Tractive power, steam only		
						Aggregate (1,000 lbs.)	Average (lbs.)	
Total:								
1920	235,234	36,737	105,408	377,379	64,746	2,340,761	36,365	98,343
1925	236,848	40,817	113,874	391,539	63,974	2,586,868	40,666	105,570
1930	242,391	42,584	123,024	407,999	56,493	2,526,040	45,225	106,180
1931	242,292	42,627	123,318	408,237	55,055	2,488,861	45,764	103,422
1932	241,424	42,404	123,241	407,069	53,217	2,430,328	46,299	100,901
1933	239,797	42,248	122,863	404,908	50,802	2,348,821	46,916	96,734
1934	238,555	41,998	121,878	402,431	48,184	2,263,267	47,712	92,969
1935	237,491	41,768	121,012	400,271	46,456	2,206,201	48,367	88,677
1936	236,486	41,584	119,774	397,844	44,979	2,162,699	48,972	85,721
1937	235,168	[1] 41,452	119,013	395,633	44,442	2,155,555	49,412	85,808
Eastern district:								
1920	59,513	21,734	42,387	123,634	29,478	1,102,551	37,762	49,543
1925	59,249	22,882	45,054	127,185	28,409	1,193,573	42,408	51,449
1930	60,014	23,131	46,552	129,697	24,247	1,108,965	46,531	50,618
1935	58,815	22,429	45,253	126,497	19,856	958,695	49,867	43,555
1936	58,536	22,337	44,610	125,483	19,148	935,183	50,436	41,647
1937	58,213	22,191	44,027	124,431	18,892	929,213	50,818	41,048
Southern district:								
1920	43,799	4,436	17,080	65,315	10,740	392,332	36,625	16,980
1925	44,241	5,707	19,199	69,147	11,158	457,579	41,112	18,968
1930	46,087	6,377	21,882	74,346	10,717	483,145	45,404	19,871
1935	44,954	6,349	21,743	73,046	8,767	421,776	48,519	16,637
1936	44,816	6,341	21,591	72,748	8,518	414,320	49,067	16,261
1937	44,718	6,338	21,393	72,449	8,411	412,825	49,517	16,563
Western district:								
1920	131,922	10,567	45,941	188,430	24,528	845,878	34,584	31,820
1925	133,359	12,228	49,620	195,207	24,407	935,716	38,448	35,153
1930	136,290	13,076	54,590	203,956	21,529	934,830	43,682	35,691
1935	133,722	12,990	54,016	200,728	17,833	825,730	46,662	28,485
1936	133,134	12,906	53,573	199,613	17,313	813,196	47,345	27,813
1937	132,237	12,923	53,593	198,753	17,139	813,517	47,848	28,197

[1] Second track, 35,987 miles; all other tracks, 5,465 miles.

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

No. 456.—Steam Railways (Class I)—Mileage of Road and Tracks Operated, by Districts: 1920 to 1937

Note.—Figures include some mileage in Canada operated by United States companies as follows: 1920, 1,949 miles; 1925, 3,087 miles; 1930, 2,898 miles; 1935, 2,662 miles; 1936, 2,506 miles; 1937, 2,346 miles, consisting of 1,396 miles of first main track, 482 miles of second main track, and 468 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1930, 21,694 miles; 1935, 21,151 miles; not available for 1936 and 1937

District and year ended Dec. 31	Total, all tracks	Road (first main track)	Second main track	All other main tracks	Yard track and sidings	Electrified mileage			
						Total track	Road (first main track)	Other main tracks	Yard track and sidings
All districts:									
1920	377,379	235,234	31,512	5,225	105,408	3,132	1,449	900	783
1925	391,539	236,848	35,200	5,617	113,874	[1] 3,597	[1] 1,674	971	952
1930	407,999	242,391	36,755	5,829	123,024	5,098	2,381	1,432	1,285
1935	400,271	237,491	36,098	5,670	121,012	6,159	2,686	1,887	1,586
1936	397,844	236,486	36,099	5,485	119,774	6,135	2,671	1,884	1,580
1937	395,633	235,108	35,987	5,465	119,013	6,127	2,671	1,885	1,571
Eastern district:									
1935	126,497	58,815	17,755	4,674	45,253	4,073	1,422	1,620	1,031
1936	125,483	58,536	17,703	4,634	44,610	4,042	1,408	1,610	1,024
1937	124,431	58,213	17,577	4,614	44,027	4,034	1,408	1,611	1,015
Southern district:									
1935	73,046	44,954	5,893	456	21,743	657	265	191	201
1936	72,748	44,816	5,895	446	21,591	672	266	196	210
1937	72,449	44,718	5,892	446	21,393	673	266	196	211
Western district:									
1935	200,728	133,722	12,450	540	54,016	1,429	999	76	354
1936	199,613	133,134	12,501	405	53,573	1,421	997	78	346
1937	198,753	132,237	12,518	405	53,593	1,420	997	78	345

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

No. 457.—Steam Railways (Class I)—Equipment Installed and Retired: 1914 to 1937

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

Year ended—	Locomotives		Freight-train cars		Passenger-train cars	
	Number installed	Number retired	Number installed	Number retired	Number installed	Number retired
June 30, 1914	3,245	1,862	150,813	96,985	3,629	1,854
1915	1,114	1,507	86,012	90,347	2,664	1,385
1916	1,475	2,576	88,254	109,996	1,261	2,156
Dec. 31, 1917	2,148	1,423	117,210	62,253	2,535	1,671
1918	2,803	977	65,249	56,024	1,817	1,051
1919	2,062	999	76,019	43,274	435	670
1920	1,017	1,254	36,044	75,197	621	885
1921	1,330	1,130	63,406	69,245	1,681	929
1922	1,226	1,682	105,394	126,471	1,328	1,286
1923	4,360	3,746	232,060	213,789	2,658	2,360
1924	2,786	2,529	156,572	118,590	2,755	2,295
1925	1,600	2,873	139,083	128,573	3,230	3,569
1926	[1] 1,882	[1] 3,105	93,369	103,152	3,455	3,309
1927	[1] 1,542	[1] 2,976	73,254	96,991	2,646	3,612
1928	[1] 1,017	[1] 3,047	62,945	90,707	2,524	3,252
1929	[1] 1,229	[1] 3,134	94,946	115,869	2,663	3,499
1930	[1] 1,160	[1] 2,204	81,038	82,101	1,900	2,036
1931	[1] 482	[1] 1,802	14,910	82,828	697	1,938
1932	[1] 477	[1] 2,316	8,545	69,394	579	1,928
1933	[1] 268	[1] 2,681	6,410	117,268	607	3,443
1934	[1] 312	[1] 2,912	31,366	129,026	703	3,368
1935	[1] 424	[1] 2,150	18,496	122,346	730	3,049
1936	[1] 1,054	[1] 1,798	75,979	131,754	1,123	1,631
1937	[1] 877	[1] 1,321	91,128	105,324	1,074	1,413

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

Source of tables 456 and 457: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States.*

No. 458.—Steam Railways (All Reporting Companies)—Equipment in Service: 1920 to 1937

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

Year ended Dec. 31	Locomotives					Freight-train cars [1]			Passenger train cars
	Total number [2]	Steam			Electric locomotive units [3]	Total number	Capacity [4]		
		Number	Tractive effort [4]				Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lbs.)	Average (lbs.)					
1920	68,942	68,554	2,340,761	36,365	388	2,388,424	98,343	42.4	56,102
1921	69,122	68,733	2,385,470	36,935	389	2,378,510	98,504	42.5	56,950
1922	68,518	68,121	2,401,452	37,441	397	2,352,483	98,847	43.1	56,827
1923	69,414	69,005	2,544,115	39,177	409	2,379,131	101,318	43.8	57,159
1924	69,486	69,114	2,593,178	39,891	372	2,411,627	104,149	44.3	57,451
1925	68,092	67,713	2,586,868	40,666	379	2,414,083	105,570	44.8	56,814
1926	66,816	66,381	2,611,238	41,886	435	2,403,967	105,953	45.1	56,855
1927	65,348	64,843	2,606,171	42,798	467	2,378,800	105,846	45.5	55,729
1928	63,311	62,642	2,579,643	43,838	617	2,346,751	105,322	45.8	54,800
1929	61,257	60,572	2,550,813	44,801	621	2,323,683	105,411	46.3	53,838
1930	60,189	59,406	2,526,940	45,225	663	2,322,267	106,180	46.6	53,584
1931	58,652	57,820	2,488,861	45,764	709	2,245,904	103,422	47.0	52,096
1932	56,732	55,831	2,430,328	46,299	764	2,184,690	100,901	47.0	50,598
1933	54,228	53,302	2,348,821	46,916	789	2,072,632	96,734	47.5	47,677
1934	51,423	50,465	2,263,267	47,712	805	1,973,247	92,969	48.0	44,884
1935	49,541	48,477	2,206,201	48,367	884	1,867,381	88,677	48.3	42,426
1936	48,009	46,923	2,162,699	48,972	858	1,790,043	85,721	48.8	41,390
1937	47,555	46,342	2,155,555	49,412	872	1,776,428	85,808	49.2	40,949

[1] Excludes caboose cars. [2] Includes locomotives other than classes shown beginning 1927.
[3] Figures prior to 1928 represent "number of locomotives." [4] Class I roads.

No. 459.—Steam Railways—Cars in Service, by Class: 1925 to 1937

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

	All operating companies					Class I, 1937			
	1925	1930	1935	1936	1937	Total	Eastern district	Southern district	Western district
Freight-train cars [1]	2,414,083	2,322,267	1,867,381	1,790,043	1,776,428	1,743,834	789,186	336,188	618,460
Box	1,086,562	1,064,652	812,776	771,153	759,774	755,980	310,279	119,435	326,266
Flat	113,562	108,181	83,405	76,172	73,831	67,883	12,897	13,129	41,857
Stock	87,452	84,460	68,455	64,088	60,998	60,741	7,923	5,140	47,678
Coal	979,483	930,624	793,776	771,095	817,642	799,183	444,308	187,539	167,336
Tank	12,151	10,981	9,266	9,148	9,313	8,401	16	12	8,373
Refrigerator	49,488	41,006	26,703	25,724	23,858	23,827	1,206	3,281	19,340
Other	85,385	82,363	78,000	72,663	31,012	27,819	12,557	7,652	7,610
Steel [2]	757,065	854,864	809,612	825,081	890,612	890,612	550,216	184,269	156,127
Steel underframe [2]	1,050,125	1,118,257	908,252	831,885	768,776	768,776	235,067	130,148	403,561
Caboose cars	31,325	29,779	24,994	23,794	23,458	22,678	9,295	4,270	9,113
Passenger-train cars	56,814	53,584	42,426	41,390	40,949	40,259	20,968	5,632	13,659
Coaches	(3)	(3)	(3)	(3)	18,585	18,350	10,767	2,354	5,229
Combination coach	(3)	(3)	(3)	(3)	3,539	3,207	1,621	454	1,132
Parlor and sleeping [4]	(3)	(3)	(3)	(3)	446	445	67	31	347
Dining	(3)	(3)	(3)	(3)	1,574	1,570	566	227	777
Club lounge and observation	(3)	(3)	(3)	(3)	388	388	58	8	322
Postal	(3)	(3)	(3)	(3)	1,951	1,951	911	315	725
Baggage, express, and other non-passenger	(3)	(3)	(3)	(3)	14,054	13,964	6,843	2,213	4,908
Other passenger	(3)	(3)	(3)	(3)	91	79	77	--------	2
Other passenger-train	(3)	(3)	(3)	(3)	321	305	58	30	217
Steel [2]	21,190	29,041	28,951	29,057	29,640	29,640	16,459	3,776	9,405
Steel underframe [2]	9,369	10,376	8,394	8,075	7,735	7,735	3,743	1,393	2,599
Company service equipment	112,592	109,527	79,584	78,546	81,258	78,676	26,559	13,022	39,095
Motor cars and trailers [2]	2,469	5,594	4,545	4,490	4,498	4,498	3,241	391	866

[1] Excludes caboose cars. [3] No comparable data available because of change in classification.
[2] Data represent Class I roads only. [4] Does not include cars owned by Pullman Co.

Source of tables 458 and 459: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 460.—Steam Railways—Number and Compensation of Employees [1]

Year ended—	All operating carriers: Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation: Per hour [2]	Average compensation: Per year
June 30:				
1890	749,301	-------	-------	-------
1895	785,034	445,508	-------	$568
1900	1,017,653	577,265	-------	567
1904	1,296,121	817,599	-------	631
1905	1,382,196	839,945	-------	608
1906	1,521,355	900,802	-------	592
1907	1,672,074	1,072,386	-------	641
1908	1,436,275	1,035,438	-------	721
1909	1,502,823	988,324	-------	658
June 30:				
1910	1,699,420	1,143,725	-------	$673
1911	1,669,809	1,208,466	-------	724
1912	1,716,380	1,252,348	-------	730
1913	1,815,239	1,373,831	-------	757
1914	1,710,296	1,381,117	-------	808
1916	1,654,075	1,403,968	$0.266	849
Dec. 31:				
1916	1,700,814	1,506,961	.275	886
1917	1,785,893	1,782,965	-------	998

Year ended Dec. 31—	All operating carriers: Average number of employees	Class I carriers: Average number of employees	Total hours (thousands)	Total yearly compensation (1,000 dollars)	Average hours per employee	Average compensation: Per hour [2]	Average compensation: Per year
1918 [3]	1,891,517	1,841,575	5,701,417	2,613,813	3,095.9	$0.458	$1,419
1919 [3]	1,960,439	1,913,422	5,032,493	2,843,128	2,630.1	.565	1,486
1920	2,075,886	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
1921	1,705,308	1,659,513	4,147,319	2,765,218	2,499.1	.667	1,666
1922	1,669,640	1,626,834	4,311,097	2,640,817	2,650.0	.613	1,623
1923	1,902,222	1,857,674	4,928,651	3,004,072	2,653.1	.610	1,617
1924	1,795,493	1,751,362	4,534,879	2,825,775	2,589.3	.623	1,613
1925	1,786,411	1,744,311	4,531,361	2,860,600	2,597.8	.631	1,640
1926	1,821,804	1,779,275	4,671,736	2,946,114	2,625.6	.631	1,656
1927	1,775,549	1,735,105	4,519,281	2,910,183	2,604.6	.644	1,677
1928	1,691,950	1,656,411	4,313,574	2,826,590	2,604.2	.655	1,706
1929	1,694,042	1,660,850	4,346,822	2,896,506	2,617.2	.666	1,744
1930	1,517,043	1,487,839	3,759,772	2,550,789	2,527.0	.678	1,714
1931	1,282,825	1,258,719	3,030,110	2,094,994	2,414.4	.689	1,664
1932	1,052,285	1,031,703	2,378,206	1,512,816	2,305.1	.636	1,466
1933	990,839	971,196	2,233,045	1,403,841	2,299.3	.629	1,445
1934	1,027,426	1,007,702	2,393,899	1,519,352	2,375.6	.635	1,508
1935	1,013,654	994,371	2,397,353	1,643,879	2,410.9	.686	1,653
1936	1,086,405	1,065,024	2,675,345	1,848,636	2,510.6	.691	1,735
1937	1,136,912	1,114,663	2,799,539	1,985,447	2,511.6	.709	1,781
1938	958,280	939,171	2,329,606	1,746,141	2,480.5	.750	1,859

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

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 400, regarding current data.

No. 461.—Steam Railways (Class I)—Number and Compensation of Employees, by Districts and By Class: 1937 and 1938

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

District or class	Average number of employees: 1937	Average number of employees: 1938	Total compensation (1,000 dollars): 1937	Total compensation (1,000 dollars): 1938	Average per day or hour, straight time (dollars): 1937	Average per day or hour, straight time (dollars): 1938	Average per month total compensation (dollars): 1937	Average per month total compensation (dollars): 1938
All employees, all districts	1,146,111	967,375	2,042,436	1,797,608	-------	-------	-------	-------
Daily basis	90,170	85,717	252,614	245,807	8.62	8.86	233	239
Hourly basis	1,055,941	881,658	1,789,822	1,551,891	.667	.703	141	147
Eastern district	501,834	408,320	910,038	766,402	-------	-------	-------	-------
Daily basis	42,245	39,334	113,279	107,523	8.26	8.48	223	228
Hourly basis	459,589	368,986	796,759	658,879	.702	.738	144	149
Southern district	205,016	177,605	342,828	312,823	-------	-------	-------	-------
Daily basis	14,937	14,514	44,207	43,750	9.09	9.32	247	251
Hourly basis	190,079	163,091	298,621	269,073	.621	.659	131	137
Western district	439,261	381,450	789,570	718,473	-------	-------	-------	-------
Daily basis	32,988	31,869	95,128	94,534	8.86	9.13	240	247
Hourly basis	406,273	349,581	694,442	623,939	.650	.690	142	149

No. 461.—Steam Railways (Class I)—Number and Compensation of Employees, by Districts and by Class: 1937 and 1938—Continued

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per day or hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1937	1938	1937	1938	1937	1938	1937	1938
Executives, officials, and staff assistants	12,706	12,342	72,704	71,264				
Daily basis	12,706	12,342	72,704	71,264	18.05	18.25	477	481
Professional, clerical, and general	181,550	168,136	339,868	326,691				
Daily basis	39,195	37,487	97,357	95,690	7.95	8.20	207	213
Hourly basis	142,355	130,649	242,512	231,001	.667	.701	142	147
Maintenance of way and structures	235,624	190,503	275,653	237,202				
Daily basis	3,785	3,658	11,203	11,127	9.29	9.54	249	253
Hourly basis	231,839	186,845	264,560	226,075	.479	.514	95	101
Maintenance of equipment and stores	318,676	246,622	524,044	411,691				
Daily basis	10,403	9,330	31,575	28,894	9.07	9.29	253	258
Hourly basis	308,273	237,292	492,469	382,857	.665	.689	133	134
Transportation (other than train service, engine, and yard)	139,167	127,875	216,484	209,397				
Daily basis	19,587	18,990	24,948	25,665	3.71	3.95	106	113
Hourly basis	119,520	108,895	191,536	183,672	.604	.640	134	141
Transportation (yardmasters, switch tenders, and hostlers)	14,398	12,927	34,400	31,935				
Daily basis	4,494	3,920	14,737	13,227	9.00	9.31	273	281
Hourly basis	9,899	9,007	19,663	18,708	.704	.745	166	173
Transportation (train and engine service)	244,053	208,970	579,082	509,578				
Hourly basis	244,053	208,970	579,082	509,578	.863	.908	198	203

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

No. 462.—Steam Railways—Receiverships and Trusteeships: 1881–1938

Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership			Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership		
	Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)		Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)
1881			5	110	3,742	1911	39	4,593	5	2,606	210,607
1882			12	912	39,074	1912	44	9,786	13	3,784	182,112
1883			11	1,990	108,470	1913	49	16,286	17	9,020	477,781
1884			37	11,038	714,755	1914	68	18,608	22	4,222	199,571
1885			44	8,836	385,460	1915	85	30,223	12	20,143	1,070,809
1886			13	1,799	70,346	1916	80	34,804	9	4,439	208,160
1887			9	1,040	99,378	1917	82	17,376	19	2,486	61,170
1888			22	3,270	186,814	1918	74	19,208	8	3,519	242,361
1889			22	3,803	99,664	1919	65	16,590	7	244	11,887
1890			26	2,963	105,607	1920	61	16,290	10	541	21,320
1891			26	2,159	84,479	1921	68	13,512	14	1,744	63,872
1892			36	10,508	357,692	1922	64	15,259	12	4,330	329,115
1893			74	29,340	1,781,046	1923	64	12,623	10	2,218	87,914
1894	192	40,319	38	7,025	395,791	1924	61	8,105	11	920	30,223
1895	169	37,856	31	4,089	369,075	1925	53	18,687	6	11,368	680,422
1896	151	30,475	34	5,441	275,597	1926	45	17,632	6	88	2,821
1897	128	18,862	18	1,537	92,909	1927	40	16,752	6	924	45,237
1898	94	12,745	18	2,069	138,701	1928	33	5,256	1	19	526
1899	71	8,853	10	1,019	52,285	1929	29	5,703	3	634	30,981
1900	52	4,178	16	1,165	78,274	1930	30	9,486	4	4,752	277,324
1901	45	2,497	4	73	1,627	1931	45	12,970	19	5,195	432,152
1902	27	1,475	5	278	5,835	1932	55	22,545	13	11,817	626,577
1903	27	1,185	9	229	18,823	1933 [2]	78	41,698	32	25,124	1,750,397
1904	28	1,323	8	744	36,009	1934 [2]	80	42,168	4	1,016	51,974
1905	26	796	16	3,593	176,321	1935 [2]	87	68,345	13	27,124	2,168,871
1906	34	3,971	6	204	55,042	1936 [2]	91	69,712	10	1,874	165,278
1907	29	3,926	7	317	13,585	1937 [2]	109	70,884	27	2,110	199,093
1908	52	9,529	24	8,009	596,359	1938 [2]	109	76,938	9	6,997	730,287
1909	44	10,530	5	859	78,095						
1910	39	5,257	7	735	51,428						

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

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

No. 463.—Steam Railways (All Reporting Companies)—Capitalization: 1890 to 1937

Note.—All amounts except "per mile of road" in millions of dollars. Switching and terminal companies excluded beginning with 1910; their total capitalization in 1937 was $812,785,990. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies

Year	Total capitalization				Held by railroads		Net capitalization				
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road (dollars)	Stock	Funded debt	Funded debt, per cent of total
June 30, 1890	8,984	3,803	606	4,575	964	443	7,577	----------	3,445	4,132	54.5
1900	11,491	4,522	1,323	5,645	1,470	473	9,548	----------	4,375	5,172	54.2
1910	18,417	6,710	1,403	10,303	2,555	1,486	14,376	62,819	5,559	8,817	61.3
Dec. 31, 1920	21,891	7,216	1,898	12,778	2,407	2,490	16,994	68,787	6,707	10,287	60.5
1922	22,290	7,307	1,834	13,149	2,390	2,621	17,280	70,899	6,751	10,528	60.9
1923	22,839	7,398	1,852	13,589	2,402	2,626	17,810	73,417	6,847	10,963	61.6
1924	23,636	7,539	1,935	14,162	2,668	2,766	18,202	75,322	6,806	11,396	62.6
1925	23,644	7,602	1,937	14,105	2,654	2,800	18,190	74,400	6,885	11,305	62.1
1926	23,677	7,560	1,925	14,192	2,654	2,789	18,234	74,398	6,831	11,403	62.5
1927	23,615	7,683	1,980	13,952	2,907	2,571	18,137	73,984	6,756	11,381	62.7
1928	23,747	7,809	2,034	13,904	2,759	2,477	18,511	75,316	7,084	11,427	61.7
1929	23,983	7,853	2,065	14,065	2,705	2,598	18,680	75,598	7,213	11,467	61.4
1930	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	7,186	11,880	62.3
1931	24,343	8,030	2,049	14,264	2,968	2,434	18,941	76,822	7,111	11,830	62.5
1932	24,837	8,067	2,047	14,723	3,056	2,887	18,894	76,957	7,058	11,836	62.6
1933	24,723	8,057	2,042	14,624	2,924	2,968	18,831	77,214	7,175	11,656	61.9
1934	24,570	7,994	2,044	14,532	2,999	2,918	18,653	77,090	7,039	11,614	62.3
1935	24,247	7,987	2,036	14,224	3,022	2,883	18,342	76,389	7,002	11,340	61.8
1936	24,003	7,993	2,036	13,974	2,933	2,734	18,336	76,910	7,095	11,241	61.3
1937	24,123	8,064	2,050	14,009	3,045	2,759	18,319	77,280	7,069	11,250	61.4

No. 464.—Steam Railways—Stock Outstanding, Dividends, and Interest: 1891 to 1937

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

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dolls.)
	Actually outstanding (1,000 dolls.)	Paying dividends (1,000 dolls.)	Per cent paying dividends	Amount declared (1,000 dolls.)	Per cent on stock paying dividends	Per cent on all stock outstanding	
1891–1895	----------	1,737,048	----------	94,093	5.42	----------	243,013
1896–1900	----------	1,977,832	----------	104,295	5.27	----------	249,548
1901–1905	----------	3,505,694	----------	199,752	5.70	----------	285,755
1906–1910	----------	4,930,368	----------	339,685	6.89	----------	363,470
1911–1915	8,561,050	5,595,888	65.36	401,944	7.18	4.70	436,178
1915	8,635,319	5,219,847	60.45	328,478	6.29	3.80	464,186
1916	8,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
1917	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918	8,846,717	5,138,851	58.09	339,186	6.60	3.83	468,286
1919	8,883,125	5,298,321	59.64	335,242	6.33	3.77	476,075
1920	8,843,100	5,075,040	57.39	331,103	6.52	3.74	500,354
1921	8,889,921	5,059,844	56.92	456,482	9.02	5.13	529,398
1922	8,961,637	5,321,347	59.38	338,806	6.37	3.78	538,594
1923	9,092,933	5,646,076	62.09	411,882	7.30	4.53	551,705
1924	9,300,054	6,042,268	64.97	385,130	6.37	4.14	588,301
1925	9,413,101	6,278,532	66.70	409,645	6.52	4.35	583,875
1926	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709
1927	9,539,491	6,701,427	70.25	567,281	8.47	5.95	583,452
1928	9,722,079	7,159,989	73.65	510,018	7.12	5.25	578,831
1929	9,847,311	7,506,265	76.23	560,902	7.47	5.70	580,770
1930	10,011,538	7,702,021	76.93	603,150	7.83	6.02	588,742
1931	10,008,413	7,325,664	73.20	401,403	5.48	4.01	592,866
1932	10,042,762	3,298,822	32.85	150,774	4.57	1.50	591,340
1933	10,027,092	3,119,282	31.11	158,790	5.09	1.58	590,230
1934	9,958,550	3,411,520	34.26	211,767	6.21	2.13	569,760
1935	9,925,202	3,412,968	34.39	202,568	5.94	2.04	559,187
1936	9,929,650	3,594,789	36.20	231,733	6.45	2.33	548,452
1937	9,812,663	3,890,177	39.64	227,596	5.85	2.32	532,237

Source of tables 463 and 464: Interstate Commerce Commission; annual report, Statistics o Railways in the United States.

No. 465.—Steam Railways—Securities Actually Outstanding: 1925 to 1937

Note.—All figures in thousands of dollars. Capital actually outstanding represents securities in the hands of the public or of railway companies other than those issuing same; securities held by or for the issuing company are excluded. Switching and terminal companies are not included

Security and year ended Dec. 31—	All railroads				Class I	Class II	Class III	Non-operating subsidiaries
	All districts	Eastern district	Southern district	Western district				
Total:								
1925	21,734,096	8,527,168	3,444,426	9,762,502	18,098,164	437,022	86,157	3,112,753
1930	22,782,889	9,128,919	3,658,575	9,995,395	19,006,276	349,079	64,814	3,362,720
1935	22,079,551	9,210,379	3,401,012	9,468,160	18,530,040	300,476	53,426	3,195,609
1936	21,961,035	9,223,878	3,380,785	9,356,372	18,031,003	291,340	50,374	3,588,318
1937	21,694,645	9,260,722	3,398,742	9,035,181	18,273,439	297,073	48,390	3,075,743
Stock:								
1925	9,413,101	3,771,338	1,324,472	4,317,291	7,633,456	253,208	56,452	1,469,985
1930	10,011,538	4,290,108	1,461,628	4,259,802	8,267,129	207,556	45,068	1,491,785
1935	9,925,202	4,325,471	1,431,397	4,168,334	8,218,994	194,922	38,217	1,473,069
1936	9,929,650	4,331,515	1,429,725	4,168,410	8,029,965	190,293	36,090	1,673,302
1937	9,812,663	4,387,713	1,445,286	3,979,665	8,123,195	192,098	34,251	1,463,120
Funded debt:								
1925	12,320,995	4,755,830	2,119,954	5,445,211	10,464,708	183,814	29,705	1,642,768
1930	12,771,351	4,838,811	2,196,947	5,735,593	10,739,147	141,523	19,746	1,870,935
1935	12,154,349	4,884,908	1,969,615	5,299,826	10,311,046	105,554	15,209	1,722,540
1936	12,031,385	4,892,363	1,951,060	5,187,962	10,001,038	101,047	14,284	1,915,016
1937	11,881,981	4,873,009	1,953,456	5,055,516	10,150,244	104,975	14,139	1,612,623
1937								
Common stock	7,789,777	3,720,707	1,229,545	2,839,525	6,256,309	179,007	33,219	1,321,242
Preferred stock	2,022,887	667,006	215,741	1,140,140	1,866,886	13,091	1,032	141,878
Mortgage bonds	9,330,720	3,780,127	1,582,231	3,968,362	7,729,389	99,112	13,201	1,489,018
Collateral trust bonds	811,927	426,792	164,836	220,299	757,486	1,278	466	52,697
Income bonds	312,774	13,996	9,080	289,698	289,863	1,909	332	20,670
Miscellaneous obligations	871,200	403,326	79,067	388,807	823,783	2,503	140	44,774
Equipment obligations	555,360	248,768	118,242	188,350	549,723	173	.....	5,464

No. 466.—Steam Railways—Investment, Income, and Dividends: 1910 to 1937

Note.—All figures, except as indicated, in thousands of dollars. No data for switching and terminal companies are included. Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission

Year ended—	Investment [1]	Investment per mile of road	Net railway operating income	Return on investment	Other income	Interest, rents, and other deductions	Dividends declared
		Dollars		*Percent*			
June 30, 1910 [1]	14,557,816	64,382	805,097	5.53	222,915	511,417	351,202
Dec. 31, 1916	17,842,777	74,466	1,058,506	5.93	213,324	623,180	311,876
1919	19,300,121	79,974	454,132	2.35	(3)	[4] 630,559	281,569
1920	19,849,320	81,954	12,101	.06	(3)	[4] 640,516	275,348
1921	20,329,224	84,530	601,139	2.96	[4] 375,001	[4] 662,375	403,991
1922	20,580,168	86,004	769,411	3.74	[4] 265,033	[4] 655,647	275,722
1923	21,372,858	89,619	974,918	4.56	[4] 260,655	[4] 667,616	353,127
1924	22,182,267	93,233	984,403	4.44	[4] 269,188	[4] 684,559	325,983
1925	23,217,209	94,917	1,136,728	4.89	272,102	706,272	349,089
1926	23,880,740	97,433	1,229,020	5.15	301,541	718,984	411,208
1927	24,453,871	99,546	1,077,843	4.41	314,396	722,485	503,146
1928	24,875,984	100,974	1,182,467	4.75	323,310	720,776	436,217
1929	25,465,036	103,197	1,262,636	4.96	362,363	728,428	495,245
1930	26,051,000	105,661	874,154	3.36	361,196	716,730	511,259
1931	26,094,899	105,953	528,204	2.02	307,785	708,622	333,986
1932	26,086,991	106,337	325,332	1.25	226,092	701,500	97,245
1933	25,901,962	106,437	477,326	1.84	213,592	703,745	98,443
1934	25,681,608	106,279	465,896	1.81	203,941	694,360	136,018
1935	25,500,465	106,339	505,415	1.98	186,228	686,688	131,448
1936	25,432,388	106,783	675,600	2.66	182,821	693,479	175,332
1937	25,636,082	108,235	597,841	2.33	176,322	676,276	172,795

[1] Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies not rendering annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, $480,216,000; 1926, $831,574,000; 1927, $919,095,000; 1928, $1,013,752,000; 1929, $1,051,469,000; 1930, $1,095,631,000; 1931, $1,114,637,000; 1932, $1,121,945,000; 1933, $1,096,264,000; 1934, $890,581,000; 1935, $861,716,000; 1936, $861,696,000; 1937, $848,173,000. No allowance is made for cash and material and supplies, and no deduction is made for depreciation.

[2] Investment originally published is increased by $170,000,000, estimated reserve for depreciation.

[3] Figures not comparable on account of Federal control accounting requirements.

[4] Does not include returns for class II and class III companies.

Source of tables 465 and 466: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 467.—Steam-Railway Freight Service—Train Miles, Car Miles, Tonnage and Related Averages: 1891 to 1938

Note.—Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only; and for "Class I roads" on revenue and nonrevenue tonnage. Tons are of 2,000 pounds

Class and year or yearly average	Train-miles (thousands)	Car-miles (thousands)		Tons of revenue freight		Freight revenue		Average miles per car per day
		Loaded (revenue and nonrevenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
All roads:								
1891–1895	467,299	----------	----------	184	--------	1.62	--------	--------
1896–1900	489,723	----------	----------	229	--------	1.76	--------	--------
1901–1905	519,896	9,631,628	4,320,390	304	17.4	2.35	--------	--------
1906–1910	603,105	11,754,421	5,234,008	359	19.5	2.72	--------	--------
1911–1915	608,512	13,369,203	6,169,216	432	20.7	3.19	--------	--------
1916–1920	617,430	15,444,150	6,904,625	604	25.3	[1] 5.30	--------	--------
1921–1925	577,844	15,243,111	8,096,532	621	24.6	[1] 7.28	--------	--------
1926–1930	586,389	17,357,165	10,330,175	700	24.5	[1] 7.67	--------	--------
1931–1935	396,917	11,419,604	7,283,037	625	23.2	[1] 6.46	--------	--------
1915	552,004	12,939,535	6,594,287	476	21.1	[2] 3.47	[2] 15.5	--------
1916	632,304	15,855,103	6,779,225	552	22.8	[2] 3.93	[2] 16.3	--------
1917	646,402	15,911,203	6,780,872	588	24.8	[1] 4.27	[1] 17.7	--------
1918	628,436	14,995,557	7,167,144	621	27.0	[1] 5.33	[1] 22.9	--------
1919	560,499	14,273,422	6,531,570	623	25.4	[1] 6.14	[1] 24.8	[1] 23.0
1920	619,507	15,336,778	7,264,316	639	26.7	[1] 6.81	[1] 28.1	[1] 25.1
1921	519,817	12,449,086	7,309,192	567	24.6	[1] 7.38	[1] 31.4	[1] 22.4
1922	544,486	13,926,355	6,798,121	599	24.3	[1] 7.19	[1] 28.6	[1] 23.5
1923	631,167	16,374,750	8,536,002	632	25.2	[1] 7.19	[1] 28.1	[1] 27.8
1924	590,879	15,859,163	8,519,637	634	24.5	[1] 7.22	[1] 27.3	[1] 26.8
1925	602,873	16,836,710	9,319,706	663	24.6	[1] 7.41	[1] 26.9	[1] 28.5
1926	622,295	17,759,004	10,154,842	689	25.0	[1] 7.58	[1] 27.0	[1] 30.4
1927	598,435	17,390,777	10,298,061	690	24.6	[1] 7.59	[1] 26.6	[1] 30.3
1928	589,616	17,757,670	10,487,254	706	24.3	[1] 7.77	[1] 26.3	[1] 31.2
1929	598,343	18,169,092	10,805,302	718	24.5	[1] 7.86	[1] 26.4	[1] 32.3
1930	523,255	15,709,284	9,905,415	699	24.3	[1] 7.56	[1] 25.8	[1] 28.7
1931	446,261	13,087,643	8,472,144	653	23.4	[1] 6.98	[1] 24.6	[1] 24.5
1932	368,658	10,231,344	6,642,756	585	22.6	[1] 6.26	[1] 23.6	[1] 19.8
1933	368,666	10,540,396	6,773,651	619	23.3	[1] 6.32	[1] 23.2	[1] 21.3
1934	397,150	11,410,710	7,347,667	624	23.2	[1] 6.23	[1] 22.7	[1] 24.2
1935	403,851	11,827,925	7,178,969	646	23.5	[1] 6.51	[1] 23.2	[1] 25.8
1936	496,268	14,030,619	8,210,293	687	24.3	[1] 6.79	[1] 23.7	[1] 30.7
1937	512,200	14,702,185	8,636,673	708	24.7	6.78	23.1	32.4
Class I roads, total:								
1916–1920	604,422	15,156,421	6,836,894	613	25.4	5.30	21.9	--------
1921–1925	567,286	14,988,046	8,032,691	633	27.1	7.28	28.3	25.8
1926–1930	576,664	17,202,995	10,267,375	713	26.9	7.67	26.4	30.6
1931–1935	390,772	11,370,307	7,250,061	638	25.4	6.46	23.5	23.1
1935	397,903	11,778,169	7,145,348	659	25.8	6.51	23.2	25.8
1936	486,341	13,954,297	8,160,035	703	24.3	6.79	23.7	30.7
1937	501,686	14,617,571	8,581,218	724	24.7	6.72	23.1	32.4
1938	422,388	12,196,033	7,559,050	691	23.8	6.75	23.4	28.1
Eastern district:								
1926–1930	219,468	6,956,068	4,125,220	818	28.1	8.92	28.6	26.4
1931–1935	143,110	4,511,567	2,867,127	757	26.6	7.81	25.4	19.5
1935	142,319	4,578,589	2,738,329	792	27.2	8.10	25.8	21.0
1936	166,651	5,295,961	3,054,533	840	26.1	8.43	26.5	25.1
1937	170,448	5,538,542	3,169,924	864	26.3	8.29	25.5	26.7
1938	137,256	4,412,390	2,723,309	816	25.1	8.16	25.4	22.4
Southern district:								
1926–1930	122,815	3,314,113	2,127,953	738	30.5	6.65	25.3	36.0
1931–1935	82,472	2,218,915	1,479,345	704	29.9	6.05	23.7	26.3
1935	82,881	2,297,157	1,435,028	737	30.3	6.23	23.6	29.8
1936	100,550	2,726,326	1,644,902	784	28.7	6.47	23.9	35.7
1937	103,155	2,828,202	1,722,530	799	28.9	6.34	23.1	37.1
1938	90,339	2,456,785	1,584,165	761	27.8	6.43	23.7	32.9
Western district:								
1926–1930	234,381	6,992,814	4,014,202	606	24.0	7.08	24.8	33.4
1931–1935	165,190	4,639,825	2,903,589	511	22.3	5.57	21.5	26.2
1935	172,703	4,902,423	2,971,991	521	22.6	5.43	20.7	29.9
1936	219,140	5,932,010	3,460,600	563	20.7	5.69	21.0	35.5
1937	228,083	6,250,827	3,688,764	587	21.3	5.72	20.9	37.2
1938	194,793	5,326,858	3,251,576	571	20.8	5.91	21.6	32.6

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

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 400, regarding current data.

No. 468.—Steam-Railway Freight Service—Tons Carried, Ton Miles, Revenue, and Average Haul: 1891 to 1938

Note.—Figures before 1916 relate to years ended June 30; thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. Tons are of 2,000 pounds

Class and year or yearly average	Tons of revenue freight carried (thousands)		Tons carried 1 mile (millions)		Revenue ton-miles per mile of road	Average haul, revenue freight (miles)		Freight revenue	
	Originated	Total	Revenue freight	Revenue and nonrevenue		System	Individual road	Amount (1,000 dolls.)	Per ton-mile (cents)
All roads:									
1891–1895	----------	692, 446	85, 693	--------	506, 809	--------	123. 75	758, 930	0. 886
1896–1900	----------	874, 389	113, 962	--------	611, 128	--------	130. 33	879, 837	. 772
1901–1905	691, 120	1, 266, 313	167, 715	--------	820, 016	242. 67	132. 44	1, 298, 713	. 774
1906–1910	930, 254	1, 673, 431	228, 936	--------	1, 006, 849	246. 10	136. 81	1, 744, 525	. 762
1911–1915	1, 074, 121	1, 903, 074	277, 073	--------	1, 104, 718	257. 95	145. 59	2, 051, 625	. 740
1916–1920	1, 325, 772	2, 378, 164	390, 815	--------	1, 510, 297	294. 78	164. 33	3, 419, 260	. 875
1921–1925	1, 231, 193	2, 216, 318	375, 468	--------	1, 455, 688	304. 96	169. 41	4, 377, 618	1. 166
1926–1930	1, 364, 607	2, 481, 018	430, 310	--------	1, 657, 292	315. 34	173. 44	4, 690, 122	1. 090
1931–1935	798, 205	1, 437, 728	270, 192	--------	1, 051, 083	339. 12	187. 93	2, 763, 961	1. 023
1906	896, 159	1, 631, 374	215, 878	--------	982, 401	240. 89	132. 33	1, 640, 387	. 748
1907	977, 489	1, 796, 337	236, 601	--------	1, 052, 119	242. 05	131. 71	1, 823, 652	. 759
1908	869, 798	1, 532, 982	218, 382	--------	974, 654	253. 94	143. 83	1, 655, 419	. 754
1909	881, 334	1, 556, 560	218, 803	--------	953, 986	251. 10	141. 87	1, 677, 614	. 763
1910	1, 026, 492	1, 849, 900	255, 017	--------	1, 071, 086	259. 68	138. 31	1, 925, 553	. 753
1911	1, 003, 054	1, 781, 638	253, 784	--------	1, 053, 566	254. 10	142. 88	1, 925, 951	. 757
1912	1, 031, 207	1, 844, 978	264, 081	--------	1, 078, 580	256. 87	143. 44	1, 968, 599	. 744
1913	1, 182, 548	[2] 2, 058, 035	301, 730	--------	1, 190, 397	255. 15	[2] 144. 40	[1] 2, 198, 931	[1] . 729
1914	1, 129, 992	2, 002, 026	288, 637	--------	1, 125, 084	255. 43	144. 17	2, 126, 717	. 737
1915	1, 023, 803	1, 828, 692	277, 135	--------	1, 075, 962	270. 69	151. 55	2, 037, 926	. 735
1916	1, 317, 246	2, 347, 396	366, 173	--------	1, 409, 957	277. 98	155. 99	2, 631, 092	. 719
1917	1, 382, 005	2, 453, 423	398, 263	--------	1, 538, 211	288. 18	162. 33	2, 897, 436	. 728
1918	1, 376, 845	2, 477, 092	408, 778	--------	1, 582, 796	296. 89	165. 02	3, 522, 052	. 862
1919	1, 189, 765	2, 185, 285	367, 161	--------	1, 423, 390	308. 60	168. 60	3, 624, 886	. 987
1920	1, 362, 999	2, 427, 622	413, 699	--------	1, 597, 133	303. 52	170. 41	4, 420, 833	1. 069
1921	1, 017, 818	1, 808, 836	309, 533	--------	1, 199, 328	304. 11	171. 12	4, 004, 109	1. 294
1922	1, 111, 822	1, 974, 618	342, 188	--------	1, 330, 460	307. 77	173. 29	4, 085, 742	1. 194
1923	1, 387, 755	2, 503, 117	416, 256	--------	1, 615, 741	299. 94	166. 29	4, 712, 495	1, 132
1924	1, 287, 413	2, 331, 291	391, 945	--------	1, 581, 556	304. 44	168. 12	4, 437, 380	1. 132
1925	1, 351, 155	2, 463, 725	417, 418	--------	1, 613, 862	308. 93	169. 43	4, 648, 364	1. 114
1926	1, 430, 612	2, 627, 492	447, 444	--------	1, 732, 295	310. 81	170. 29	4, 905, 981	1. 096
1927	1, 372, 547	2, 510, 054	432, 014	--------	1, 668, 800	314. 75	172. 11	4, 728, 885	1. 095
1928	1, 371, 359	2, 504, 196	436, 087	--------	1, 677, 089	318. 00	174. 14	4, 771, 562	1. 094
1929	1, 419, 383	2, 584, 338	450, 189	--------	1, 727, 786	317. 17	174. 20	4, 899, 168	1. 088
1930	1, 220, 134	2, 179, 015	385, 815	--------	1, 481, 199	316. 21	177. 06	4, 145, 015	1. 074
1931	944, 846	1, 694, 075	311, 073	--------	1, 196, 960	329. 23	183. 62	3, 302, 324	1. 062
1932	678, 854	1, 229, 078	235, 309	--------	908, 296	346. 63	191. 45	2, 485, 475	1. 056
1933	733, 391	1, 322, 463	250, 651	--------	972, 262	341. 77	189. 53	2, 528, 908	1. 009
1934	802, 276	1, 440, 434	270, 292	--------	1, 058, 609	336. 91	187. 65	2, 671, 901	. 989
1935	831, 656	1, 502, 590	283, 637	--------	1, 119, 290	341. 05	188. 77	2, 831, 139	. 998
1936	1, 011, 530	1, 805, 767	341, 182	--------	1, 353, 406	337. 29	188. 94	3, 356, 631	. 984
1937	1, 075, 237	1, 928, 444	362, 815	--------	1, 446, 921	337. 43	188. 14	3, 428, 421	. 945
Class I roads:									
1926–1930	1, 279, 197	2, 341, 062	427, 234	468, 347	1, 782, 344	333. 99	182. 50	4, 600, 341	1. 077
1931–1935	758, 855	1, 365, 784	268, 635	295, 021	1, 118, 250	354. 56	196. 69	2, 719, 977	1. 013
1935	789, 627	1, 427, 042	282, 037	310, 484	1, 185, 368	357. 2	197. 6	2, 786, 118	. 988
1936	958, 830	1, 712, 975	339, 246	373, 624	1, 432. 154	353. 8	198. 0	3, 302, 894	. 974
1937	1, 015, 586	1, 825, 342	360, 620	395, 736	1, 530, 667	355. 1	197. 6	3, 370, 959	. 935
1938	771, 862	1, 309, 259	290, 084	317, 613	1, 235, 843	375. 8	207. 3	2, 852, 112	. 983
Eastern district:									
1935	349, 217	740, 928	116, 629	125, 530	1, 984, 121	334. 0	157. 4	1, 192, 014	1. 022
1936	417, 032	885, 023	138, 202	148, 341	2, 359, 287	331. 4	156. 2	1, 404, 528	1. 016
1937	431, 200	930, 821	145, 618	156, 222	2, 499, 270	337. 7	156. 4	1, 413, 213	. 971
1938	317, 081	684, 171	111, 033	118, 961	1, 912, 804	350. 2	162. 3	1, 119, 731	1. 008
Southern district:									
1935	190, 814	282, 743	65, 152	70, 655	1, 441, 860	341. 4	230. 4	549, 995	. 844
1936	230, 562	342, 222	78, 314	85, 593	1, 744, 142	339. 7	228. 8	650, 429	. 831
1937	240, 466	360, 960	81, 846	88, 691	1, 827, 975	340. 4	226. 7	654, 127	. 799
1938	197, 069	300, 400	68, 341	73, 900	1, 530, 217	346. 8	227. 5	581, 449	. 851
Western district:									
1935	249, 596	403, 371	100, 256	114, 299	748, 378	401. 7	248. 5	1, 044, 109	1. 041
1936	311, 236	485, 730	122, 730	139, 690	920, 020	394. 3	252. 7	1, 247, 937	1. 017
1937	343, 920	533, 561	133, 156	150, 823	1, 005, 160	387. 2	249. 6	1, 303, 619	. 979
1938	257, 712	414, 688	110, 710	124, 752	839, 083	429. 6	267. 0	1, 150, 932	1. 039

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

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 400, regarding current data.

No. 469.—Steam Railways (Class I)—Operating Revenues, Freight and Passenger Revenue, and Freight Ton-Miles, by Months

Note.—Except at times of general revisions in freight rates changes in freight revenue are closely parallel to those of ton-mileage. Data, except as indicated, exclude class I switching and terminal companies

Year	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL OPERATING REVENUES (millions of dollars)													
1916[1]	302.1	260.9	262.8	290.2	282.0	301.0	300.0	303.2	327.2	325.3	338.7	322.7	311.1
1917[1]	337.4	300.8	265.4	317.1	319.3	345.9	349.7	348.4	366.2	358.8	382.5	357.3	337.1
1918[1]	410.5	285.4	290.0	366.4	371.6	379.0	395.2	470.4	504.7	489.7	490.8	440.9	441.5
1919[1]	432.0	397.2	352.4	377.4	389.5	413.9	426.1	455.3	471.7	498.6	509.8	438.1	453.4
1920[1]	519.0	500.8	424.6	460.2	402.3	457.6	494.7	529.1	555.5	618.9	641.8	592.1	550.6
1921	464.2	470.4	406.5	459.0	433.4	444.9	461.6	462.9	505.7	498.3	536.7	465.9	425.3
1922	463.4	391.8	397.4	470.4	412.9	444.6	469.0	439.1	469.2	495.8	544.4	518.2	508.4
1923	524.3	497.0	442.1	530.2	517.8	542.1	535.6	530.6	558.5	540.1	581.7	526.3	489.3
1924	493.6	463.7	474.1	499.7	470.0	472.3	460.9	477.0	503.2	535.5	566.9	500.6	499.9
1925	510.2	479.2	450.1	481.1	468.6	483.5	501.7	517.1	549.9	559.9	585.3	527.4	518.7
1926	532.7	476.0	455.7	525.7	494.9	512.2	535.4	551.6	573.8	584.8	603.6	556.2	522.1
1927	511.7	482.0	464.0	525.2	493.3	513.6	511.6	503.9	551.6	559.5	574.7	498.8	462.6
1928	509.5	452.8	451.3	499.9	469.3	505.3	496.9	507.6	552.2	550.4	611.7	526.0	491.1
1929	523.6	481.6	470.4	511.3	508.6	531.8	526.0	551.7	580.2	560.7	602.4	494.1	464.2
1930	440.1	446.3	423.2	447.7	445.9	457.6	439.7	451.8	461.0	462.2	478.0	394.3	373.9
1931	349.0	361.8	332.8	371.9	365.4	364.8	365.8	372.8	360.3	346.3	359.0	301.9	285.4
1932	260.6	272.2	264.2	286.7	264.9	251.9	243.5	235.3	249.4	269.5	295.2	250.7	243.3
1933	258.0	226.6	212.2	218.1	224.9	255.2	278.3	293.7	297.0	292.2	294.4	257.7	245.3
1934	272.6	258.0	248.5	293.2	265.4	282.0	282.8	276.0	282.7	275.5	292.9	257.0	257.5
1935	287.5	264.2	254.9	280.9	274.7	279.5	281.3	275.3	294.0	306.9	341.0	301.3	296.1
1936	337.7	299.1	300.4	308.3	313.4	320.9	330.6	349.7	350.5	357.1	391.3	358.4	372.1
1937	347.2	331.7	321.9	377.7	351.5	352.5	351.7	365.1	359.6	363.1	372.9	318.2	300.3
1938	297.1	279.1	251.0	283.0	268.2	272.7	282.1	299.6	315.4	322.6	353.4	319.7	318.3
FREIGHT REVENUE (millions of dollars)													
1925	379.4	350.6	336.8	360.6	347.0	359.2	366.0	377.4	403.2	419.6	450.5	402.4	379.4
1926	401.4	347.7	340.6	401.7	370.4	385.3	397.6	409.3	429.3	444.7	472.1	433.2	384.9
1927	387.3	357.9	353.9	406.3	371.4	391.1	381.9	369.9	415.1	426.7	452.7	385.8	334.7
1928	391.2	337.8	346.1	388.2	356.4	391.5	370.6	382.0	421.5	423.8	492.8	415.7	367.9
1929	402.4	367.0	363.6	393.6	393.5	412.5	390.9	416.8	446.3	435.3	483.3	384.3	341.1
1930	340.3	338.0	327.0	345.2	345.6	354.1	331.4	347.1	354.5	363.3	385.5	310.9	280.7
1931	271.2	276.9	257.4	291.2	283.5	282.9	281.1	290.1	279.9	270.0	289.0	238.3	214.4
1932	204.3	208.4	205.3	224.9	207.9	194.2	185.9	179.9	194.9	214.5	244.0	203.1	188.1
1933	207.7	179.2	169.2	175.3	180.2	207.5	223.3	240.2	241.3	235.4	239.6	209.9	191.7
1934	219.5	208.8	201.7	241.0	214.3	228.6	225.7	221.3	224.8	220.5	238.8	208.6	199.4
1935	233.0	211.5	206.5	229.2	222.6	224.9	225.8	221.1	235.7	250.6	285.4	248.7	234.4
1936	275.6	241.1	245.1	251.8	256.3	262.7	268.5	283.9	283.5	291.6	325.9	298.1	290.1
1937	281.5	268.7	264.1	313.8	288.6	287.9	281.8	293.1	289.2	293.8	307.1	258.7	231.3
1938	238.2	218.3	198.4	227.1	211.4	217.9	222.7	238.1	253.6	261.3	293.8	264.1	251.3
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
1931	45.9	53.3	46.5	47.1	47.3	47.0	51.0	50.3	49.2	44.8	38.2	35.9	40.6
1932	31.4	38.0	33.9	34.4	31.0	31.3	32.6	32.7	31.4	30.5	26.2	24.9	30.2
1933	27.4	26.7	23.6	21.9	22.9	23.9	31.0	31.0	32.2	32.0	29.8	25.0	29.3
1934	28.9	27.2	25.4	27.4	27.0	26.6	31.6	32.2	32.8	30.6	28.6	24.8	32.0
1935	29.8	30.5	27.3	27.7	27.2	27.1	31.0	31.6	33.9	30.8	28.6	27.8	34.4
1936	34.4	34.1	31.9	30.5	30.7	30.3	34.8	39.1	39.3	36.3	33.9	32.1	39.3
1937	36.9	37.4	33.0	35.0	33.7	34.0	38.5	42.1	41.6	38.7	35.5	33.3	39.9
1938	33.8	37.4	31.3	31.0	31.8	30.9	34.9	38.0	36.3	34.4	31.5	30.2	37.9
FREIGHT TON-MILES (millions)[2]													
1925	38,007	37,026	33,570	35,332	33,571	37,126	35,854	37,944	41,709	41,305	44,054	40,775	37,856
1926	40,725	37,680	35,405	38,669	36,300	39,834	39,252	41,717	43,734	44,346	48,296	43,360	40,116
1927	39,559	39,233	37,259	41,817	37,111	40,118	38,477	38,369	41,984	42,959	45,537	37,250	34,592
1928	39,769	36,289	35,723	39,486	35,887	39,263	37,307	39,153	42,425	43,791	48,234	41,991	37,673
1929	41,026	39,210	38,140	40,228	38,346	41,846	40,740	42,009	44,950	44,222	47,836	38,741	36,046
1930	35,179	36,718	34,347	35,301	34,900	36,573	34,417	35,595	37,423	36,232	39,294	32,310	29,034
1931	28,346	30,308	27,007	29,961	28,711	30,016	28,254	30,276	29,361	27,842	30,579	25,084	22,662
1932	21,587	22,855	21,718	23,581	21,259	19,872	18,673	19,065	20,071	22,709	26,375	21,759	21,107
1933	22,924	19,987	19,118	19,351	19,831	21,734	23,710	26,408	26,464	26,130	26,414	23,937	22,000
1934	24,805	23,771	23,199	27,796	23,475	25,262	25,208	24,260	25,405	25,889	26,504	23,785	23,102
1935	26,031	24,967	24,124	27,598	23,340	24,672	25,951	23,174	25,938	27,731	31,218	27,482	26,179
1936	31,087	27,857	29,151	27,995	28,131	29,894	28,757	31,131	32,091	33,047	37,143	33,859	33,972
1937	32,983	33,138	32,218	36,655	32,261	34,090	31,848	33,745	33,699	34,862	36,760	29,097	27,417
1938	26,517	26,404	23,182	26,030	22,789	23,706	23,886	26,312	27,426	29,110	32,757	28,471	28,133

[1] Including switching and terminal companies. [2] 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. See last paragraph of general note, p. 400, regarding current data.

No. 470.—Steam Railways—Passengers Carried and Passenger Revenue: 1891 to 1938

Note.—Figures relate to years ended June 30 prior to 1916, to calendar years thereafter. Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves

Class and year or yearly average	Passengers carried (thousands)	Passengers carried 1 mile (millions)	Average journey per passenger (miles)	Passenger train-miles (thousands)	Passenger train car-miles (thousands)	Passenger revenue (thousand dollars)	Passenger service train revenue per train-mile	Revenue per passenger per mile (cts.)	Average passengers per train
All roads:									
1891–1895	546,762	13,383	24.48	321,031	----------	281,415	$1.05	2.10	42
1896–1900	520,459	13,863	26.64	345,457	----------	279,900	.99	2.02	39
1901–1905	681,261	20,737	30.44	423,244	----------	416,609	1.11	2.01	45
1906–1910	835,003	28,683	32.41	509,868	----------	566,815	1.26	1.98	53
1911–1915	1,018,804	33,768	33.14	587,501	3,264,399	672,792	1.32	1.99	54
1916–1920	1,152,566	42,548	36.92	560,364	3,416,938	1,021,536	[1] 2.13	2.40	[1] 72
1921–1925	982,320	36,869	37.53	571,455	3,603,117	1,112,634	[1] 2.47	3.02	[1] 65
1926–1930	801,503	31,846	39.73	569,310	3,818,089	908,341	[1] 2.15	2.85	[1] 56
1931–1935	483,006	18,375	38.04	410,509	2,745,969	392,869	[1] 1.38	2.14	[1] 45
1910	971,683	32,338	33.50	549,015	2,998,171	628,992	1.30	1.94	56
1911	997,410	33,202	33.48	572,929	3,136,774	657,638	1.31	1.97	55
1912	1,004,081	33,132	33.18	585,854	3,235,634	660,373	1.29	1.99	53
1913	1,043,603	34,673	33.31	[2] 593,061	[2] 3,320,488	[2] 695,988	[2] 1.36	[2] 2.01	[2] 55
1914	1,063,249	35,357	33.25	605,212	3,399,604	703,484	[2] 1.34	1.99	[2] 56
1915	956,676	32,475	32.95	580,448	3,220,496	646,475	[2] 1.31	1.99	[2] 53
1916	1,048,987	35,220	33.58	595,441	3,409,639	722,359	[2] 1.44	2.05	[2] 50
1917	1,109,943	40,100	36.13	593,338	3,485,788	840,910	[1] 1.69	2.10	[1] 65
1918	1,122,963	43,212	38.48	544,327	3,276,489	1,045,166	[1] 2.23	2.42	[1] 76
1919	1,211,022	46,838	38.68	553,147	3,446,787	1,193,431	[1] 2.46	2.55	[1] 82
1920	1,269,913	47,370	37.30	574,826	3,618,617	1,304,815	[1] 2.78	2.76	[1] 80
1921	1,061,131	37,706	35.53	568,242	3,503,514	1,166,252	[1] 2.51	3.09	[1] 67
1922	980,509	35,811	36.19	553,919	3,445,869	1,087,516	[1] 2.50	3.04	[1] 65
1923	1,008,538	38,294	37.97	573,938	3,616,342	1,158,925	[1] 2.56	3.03	[1] 67
1924	950,459	36,368	38.26	579,384	3,676,746	1,085,672	[1] 2.41	2.99	[1] 63
1925	901,963	36,107	40.10	581,792	3,773,114	1,064,806	[1] 2.37	2.94	[1] 63
1926	874,589	35,673	40.79	584,972	3,862,610	1,049,210	[1] 2.33	2.94	[1] 61
1927	840,030	33,798	40.23	578,355	3,850,116	980,528	[1] 2.23	2.90	[1] 59
1928	798,476	31,718	39.72	570,038	3,815,337	905,271	[1] 2.13	2.85	[1] 56
1929	786,432	31,165	39.63	568,095	3,870,903	875,929	[1] 2.18	2.81	[1] 55
1930	707,987	26,876	37.96	545,091	3,691,480	730,766	[1] 1.85	2.72	[1] 49
1931	599,227	21,933	36.60	485,538	3,274,812	551,726	[1] 1.61	2.52	[1] 45
1932	480,718	16,997	35.36	419,088	2,743,437	377,511	[1] 1.33	2.22	[1] 40
1933	434,848	16,368	37.64	380,435	2,496,969	329,816	[1] 1.27	2.02	[1] 43
1934	452,176	18,069	39.96	381,611	2,574,320	346,870	[1] 1.33	1.92	[1] 47
1935	448,059	18,509	41.31	385,874	2,640,297	358,423	[1] 1.35	1.94	[1] 47
1936	492,493	22,460	45.60	409,072	2,930,332	413,189	[1] 1.46	1.84	[1] 55
1937	499,688	24,695	49.42	420,819	3,091,132	443,532	[1] 1.50	1.80	[1] 59
Class I roads:									
1916–1920	1,114,055	41,989	37.69	556,495	3,406,925	1,005,690	2.13	2.40	72
1921–1925	962,153	36,556	37.99	558,568	3,572,292	1,100,602	2.47	3.01	65
1926–1930	793,335	31,724	39.99	560,633	3,800,669	903,748	2.15	2.85	56
1931–1935	480,764	18,343	38.15	405,992	2,738,583	391,826	1.38	2.14	45
1934	449.775	18,033	40.09	377,368	2,567,569	345,890	1.33	1.92	47
1935	445,872	18,476	41.44	381,747	2,633,758	357,493	1.35	1.93	47
1936	490,091	22,421	45.75	404,676	2,919,220	412,144	1.46	1.84	55
1937	497,288	24,655	49.58	416,385	3,080,215	442,518	1.50	1.79	59
1938	452,731	21,629	47.77	393,792	2,923,627	405,598	1.46	1.87	55
Eastern district:									
1935	318,886	9,777	30.66	162,586	1,129,165	207,556	1.69	2.12	60
1936	351,856	11,841	33.65	169,442	1,220,527	232,375	1.82	1.96	70
1937	354,035	12,968	36.63	173,151	1,278,739	243,425	1.84	1.88	75
1938	327,742	11,618	35.45	161,847	1,197,118	224,193	1.81	1.93	72
Southern district:									
1935	47,426	2,609	55.01	67,833	458,470	46,429	1.09	1.78	38
1936	53,074	3,133	59.04	70,508	500,281	55,328	1.22	1.77	44
1937	57,193	3,405	59.54	70,770	517,936	60,943	1.30	1.79	48
1938	47,547	2,663	56.01	67,716	488,296	53,217	1.20	2.00	39
Western district:									
1935	79,560	6,090	76.54	151,328	1,046,123	103,508	1.09	1.70	39
1936	85,161	7,447	87.44	164,726	1,198,412	124,441	1.20	1.67	45
1937	86,060	8,282	96.24	172,464	1,283,540	138,150	1.23	1.67	48
1938	77,442	7,348	94.88	164,229	1,238,213	128,188	1.22	1.74	45

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

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 400, regarding current data.

No. 471.—Steam Railways—Revenues, Expenses, and Income: 1891 to 1938

Note.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in table 472. Switching and terminal companies are excluded beginning with 1908; operating revenues of switching and terminal companies, 1934, $61,910,000; 1935, $68,560,000; 1936, $88,806,000; 1937, $94,648,000; operating expenses, 1934, $44,960,000; 1935, $48,224,000; 1936, $58,186,000; 1937, $65,366,000.

Class and year or yearly average	Average miles of line (first track) operated	Income account items (thousands of dollars)					Per mile of line		Per cent operating expenses of revenues
		Operating revenues	Operating expenses	Net revenue from operations	Tax accruals	Net railway operating income	Operating revenues	Net revenue from operations	
All roads:									
1891-1895	169,378	1,127,531	759,588	367,942	34,915	333,027	$6,657	$2,172	67.37
1896-1900	186,001	1,264,048	832,377	431,671	41,970	389,701	6,796	2,321	65.85
1901-1905	206,050	1,854,682	1,226,737	627,945	53,106	574,840	9,001	3,048	66.14
1906-1910	229,404	2,528,171	1,705,542	822,630	80,931	727,407	11,021	3,586	67.46
1911-1915	246,952	3,007,262	2,123,282	883,980	123,345	720,172	12,164	3,578	70.61
1916-1920	258,295	4,870,468	3,971,453	899,015	227,680	624,304	18,856	3,481	81.54
1921-1925	257,932	6,003,699	4,684,135	1,319,563	328,822	899,332	23,276	5,116	78.02
1926-1930	259,646	6,139,269	4,502,029	1,637,240	386,732	1,125,224	23,645	6,306	73.33
1931-1935	257,098	3,473,819	2,622,222	851,597	265,137	460,435	13,512	3,312	75.49
1907	227,455	2,589,106	1,748,516	840,590	73,743	766,846	11,383	3,696	67.53
1908	227,257	2,440,639	1,710,402	730,237	78,674	634,794	10,740	3,213	70.08
1909	232,981	2,473,205	1,650,034	823,171	85,140	710,474	10,615	3,533	66.72
1910	236,987	2,812,142	1,881,879	930,263	98,035	805,097	11,866	3,925	66.92
1911	243,434	2,852,855	1,976,332	876,523	102,657	744,669	11,719	3,601	69.28
1912	246,829	2,906,416	2,035,058	871,358	113,819	727,458	11,775	3,530	70.02
1913	[1] 242,657	[1] 3,193,118	[1] 2,235,923	[1] 957,195	[1] 122,005	[1] 805,266	[1] 13,159	[1] 3,945	[1] 70.02
1914	254,775	3,127,730	2,280,416	847,314	140,470	674,190	12,276	3,326	72.91
1915	256,214	2,956,193	2,088,683	867,510	137,775	694,276	11,538	3,386	70.65
1916	257,325	3,691,065	2,426,251	1,264,815	161,825	1,058,506	14,344	4,915	65.73
1917	258,913	4,115,413	2,906,283	1,209,130	218,632	950,557	15,895	4,670	70.62
1918	258,263	4,985,290	4,071,522	913,768	229,533	646,223	19,303	3,538	81.67
1919	257,949	5,250,420	4,498,817	751,603	239,136	454,132	20,354	2,914	85.68
1920	259,026	6,310,151	5,954,394	355,757	289,272	12,101	24,361	1,373	94.36
1921	258,089	5,632,665	4,668,998	963,667	283,163	601,139	21,825	3,734	82.89
1922	257,195	5,674,483	4,509,991	1,164,492	308,145	769,411	22,063	4,528	79.48
1923	257,625	6,419,210	4,999,383	1,419,827	339,577	974,918	24,917	5,511	77.88
1924	258,104	6,045,252	4,608,807	1,436,445	347,437	984,463	23,422	5,565	76.24
1925	258,646	6,246,883	4,633,497	1,613,386	365,790	1,136,728	24,152	6,238	74.17
1926	258,295	6,508,679	4,766,235	1,742,444	396,538	1,229,020	25,199	6,746	73.23
1927	258,877	6,245,716	4,662,521	1,583,195	383,112	1,077,842	24,126	6,116	74.65
1928	260,026	6,212,464	4,508,606	1,703,858	395,631	1,182,467	23,892	6,553	72.57
1929	260,558	6,373,004	4,579,162	1,793,842	402,698	1,262,636	24,459	6,885	71.85
1930	260,475	5,356,484	3,993,621	1,362,863	353,881	874,154	20,564	5,232	74.56
1931	259,886	4,246,385	3,273,906	972,479	308,492	528,204	16,339	3,742	77.10
1932	259,066	3,168,537	2,441,814	726,723	279,263	325,332	12,231	2,805	77.06
1933	257,802	3,138,186	2,285,218	852,968	253,522	477,326	12,173	3,309	72.82
1934	255,327	3,316,861	2,479,997	836,864	243,646	465,896	12,991	3,278	74.77
1935	253,408	3,499,126	2,630,177	868,949	240,760	505,415	13,808	3,429	75.17
1936	252,091	4,108,658	2,973,366	1,135,292	324,858	675,600	16,298	4,504	72.37
1937	250,750	4,226,325	3,165,154	1,061,171	331,013	597,841	16,855	4,232	74.89
Class I roads:									
1921-1925	235,302	5,881,855	4,583,425	1,298,431	321,536	883,599	24,997	5,518	77.92
1926-1930	239,703	6,038,339	4,421,699	1,616,640	379,941	1,114,903	25,191	6,744	73.23
1931-1935	240,242	3,426,801	2,582,163	844,638	260,971	457,739	14,264	3,516	75.35
1935	237,032	3,451,929	2,592,741	859,188	236,945	499,819	14,508	3,611	75.11
1936	236,878	4,052,734	2,931,425	1,121,309	319,753	667,347	17,109	4,734	72.33
1937	235,376	4,166,069	3,119,065	1,047,004	325,665	590,204	17,700	4,448	74.87
1938	234,482	3,565,491	2,722,199	843,292	340,782	372,874	15,206	3,596	76.35
Eastern district:									
1935	58,781	1,536,014	1,140,102	395,912	98,790	235,123	26,131	6,735	74.22
1936	58,578	1,787,658	1,295,062	492,596	139,432	289,068	30,518	8,409	72.44
1937	58,129	1,812,675	1,362,759	449,916	143,457	247,194	31,184	7,740	75.18
1938	57,898	1,474,839	1,136,002	338,837	143,607	135,906	25,473	5,852	77.03
Southern district:									
1935	45,186	644,018	462,904	181,114	49,828	124,159	14,253	4,008	71.88
1936	44,901	756,585	505,023	251,562	66,062	177,302	16,850	5,603	66.75
1937	44,774	767,584	531,589	235,995	68,229	160,029	17,144	5,271	69.25
1938	44,661	681,867	483,972	197,895	69,256	119,424	15,268	4,431	70.98
Western district:									
1935	133,965	1,271,897	989,735	282,162	88,327	140,537	9,494	2,106	77.82
1936	133,399	1,508,491	1,131,340	377,151	114,259	200,977	11,308	2,827	75.00
1937	132,473	1,585,810	1,224,717	361,093	113,979	182,981	11,971	2,726	77.23
1938	131,923	1,408,785	1,102,225	306,560	127,919	117,544	10,679	2,324	78.24

[1] Class I and class II roads.

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 400, regarding current data.

No. 472.—Steam Railways (Class I)—Income Account of Operating Roads: 1921 to 1938

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

Item	1921–1925 (average)	1926–1930 (average)	1931–1935 (average)	1935	1936 [1]	1937 [1]	1938 [1]
Revenues	5,881,856	6,038,339	3,426,801	3,451,929	4,052,734	4,166,069	3,565,491
Freight	4,277,134	4,600,341	2,719,977	2,786,118	3,308,541	3,377,909	2,858,077
Passenger	1,100,603	903,748	391,826	357,493	412,379	442,809	405,883
Mail	94,900	111,887	95,530	92,052	95,575	97,984	95,963
Express	137,886	139,570	57,948	53,328	60,187	57,683	48,462
All other transportation	129,878	136,665	81,230	82,535	86,894	89,159	75,304
All other	141,455	146,128	80,291	80,403	89,158	100,525	81,802
Expenses	4,583,425	4,421,699	2,582,163	2,592,741	2,931,425	3,119,065	2,722,199
Maintenance, way, etc.	781,577	826,826	392,669	393,967	454,810	495,594	420,147
Maintenance, equipment	1,297,802	1,178,252	670,879	681,887	783,000	826,709	676,507
Traffic	93,919	123,608	96,544	94,212	100,128	105,478	102,532
Transportation	2,194,358	2,054,865	1,235,538	1,249,389	1,405,457	1,510,275	1,361,533
All other	215,769	238,148	186,533	173,286	188,030	181,009	161,480
Net revenue from railway operations	1,298,431	1,616,640	844,637	859,188	1,121,309	1,047,004	843,292
Deduct—							
Tax accruals	321,536	379,941	260,971	236,945	319,753	325,665	340,782
Uncollectible revenues	1,895	1,427	1,099	1,203	(2)	(2)	(2)
Equipment rents	67,659	91,786	88,963	85,663	94,458	95,021	94,965
Joint facility rents	23,742	28,583	35,866	35,558	39,751	36,114	34,671
Net railway operating income	883,599	1,114,903	457,739	499,819	667,347	590,204	372,874

Item	Eastern district			Southern district			Western district		
	1936 [1]	1937 [1]	1938 [1]	1936 [1]	1937 [1]	1938 [1]	1936 [1]	1937 [1]	1938 [1]
Revenues	1,787,658	1,812,675	1,474,839	756,585	767,584	681,867	1,508,491	1,585,810	1,408,785
Freight	1,404,528	1,413,213	1,119,730	650,429	654,127	581,449	1,253,584	1,310,569	1,156,898
Passenger	232,375	243,425	224,193	55,328	60,943	53,217	124,676	138,441	128,473
Mail	36,621	37,418	36,573	16,819	17,056	16,623	42,135	43,510	42,767
Express	24,900	23,520	17,644	12,172	11,732	10,203	23,115	22,431	20,615
All other transportation	44,691	45,338	36,565	9,038	9,667	8,333	33,165	34,154	30,406
All other	44,543	49,761	40,134	12,799	14,059	12,042	31,816	36,705	29,626
Expenses	1,295,062	1,362,759	1,136,002	505,023	531,589	483,972	1,131,340	1,224,717	1,102,225
Maintenance, way, etc.	176,041	195,661	153,419	80,962	85,688	76,489	197,807	214,245	190,239
Maintenance, equipment	356,959	374,118	282,462	144,072	149,647	131,039	281,969	302,944	263,006
Traffic	37,208	38,783	37,245	19,377	19,854	19,519	43,543	46,841	45,768
Transportation	640,502	676,732	596,358	230,341	245,645	228,736	534,614	587,898	536,439
All other	84,352	77,465	66,518	30,271	30,755	28,189	73,407	72,789	66,773
Net revenue from railway operations	492,596	449,916	338,837	251,562	235,995	197,895	377,151	361,093	306,560
Deduct—									
Tax accruals	139,432	143,458	143,607	66,062	68,229	69,256	114,259	113,978	127,919
Uncollectible revenues	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Equipment rents	42,340	39,326	40,689	3,443	3,783	5,327	48,675	51,912	48,949
Joint facility rents	21,756	19,938	18,635	4,755	3,954	3,888	13,240	12,222	12,148
Net railway operating income	289,068	247,194	135,906	177,302	160,029	119,424	200,977	182,981	117,544

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

Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States. See last paragraph of general note, p. 400, regarding current data.

No. 473.—Steam Railways (Class I)—Railway Tax Accruals, by States: 1920 to 1937

Note.—Data for all years exclude switching and terminal companies and include nonoperating subsidiaries. Total railroad taxes, Federal and State, in 1937, by classes, were as follows: Class I and subsidiaries, $329,400,954 (including $50 British, $942,644 Canadian, $25 Cuban, and $165,110 Mexican taxes and $49,601 not localized by States); class II and subsidiaries, $4,548,469; class III and subsidiaries, $808,459; switching and terminal companies, $17,289,642; grand total, $352,047,524

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1920	1925	1930	1935	1936	1937	1930	1935	1936	1937
Total	282,751	359,370	349,207	238,372	321,272	328,244	1,519	1,062	1,434	1,475
United States Government taxes	50,543	87,680	40,986	26,796	94,008	75,992	178	119	420	342
New England:										
Maine	1,725	1,977	1,908	1,232	1,265	1,249	963	630	681	673
New Hampshire	1,005	1,042	1,125	718	746	754	990	703	748	768
Vermont	451	453	407	413	262	406	540	553	350	542
Massachusetts	3,339	3,920	4,709	3,964	4,094	4,468	2,369	2,058	2,130	2,333
Rhode Island	585	604	687	664	676	715	3,933	3,570	3,633	3,845
Connecticut	1,975	2,058	1,672	711	821	961	1,737	731	844	989
Middle Atlantic:										
New York	17,861	22,613	27,378	23,685	27,115	28,510	3,491	3,039	3,486	3,720
New Jersey	11,189	17,355	20,442	17,520	18,660	19,121	9,951	8,998	9,644	9,902
Pennsylvania	9,342	11,134	12,440	9,342	12,890	17,169	1,235	923	1,281	1,726
South Atlantic:										
Delaware	165	182	166	151	150	280	567	501	501	934
Dist. of Columbia	79	126	144	138	174	278	4,178	3,937	4,968	7,946
Maryland	2,004	1,352	2,076	1,748	2,288	2,762	1,829	1,537	2,012	2,435
Virginia	4,695	5,614	7,318	5,192	5,282	5,895	1,759	1,259	1,269	1,417
West Virginia	3,879	6,046	8,109	8,229	7,762	7,990	2,193	2,318	2,187	2,270
North Carolina	2,129	4,748	5,392	3,696	3,972	4,198	1,399	994	1,068	1,135
South Carolina	1,951	2,840	3,489	2,396	2,404	2,485	1,106	763	766	796
Georgia	2,481	3,310	3,966	2,434	2,273	2,956	719	448	418	544
Florida	2,167	3,888	4,964	3,039	2,336	2,980	965	613	475	621
East North Central:										
Ohio	16,841	18,518	19,928	10,452	12,600	13,542	2,334	1,240	1,490	1,609
Indiana	9,422	11,627	13,852	6,520	7,865	7,547	2,011	956	1,168	1,126
Illinois	16,422	21,576	22,084	13,610	15,025	16,760	1,827	1,145	1,266	1,418
Michigan	7,579	7,656	10,816	5,340	5,719	6,258	1,469	771	829	911
Wisconsin	6,876	7,295	7,201	4,921	4,705	5,354	1,034	734	703	806
West North Central:										
Minnesota	9,753	7,965	6,778	4,291	5,817	6,827	823	528	721	848
Iowa	7,855	6,842	8,026	3,804	4,007	4,099	831	404	444	446
Missouri	3,359	3,716	4,284	3,336	3,152	4,191	566	471	450	599
North Dakota	4,997	4,290	4,110	2,114	1,853	2,393	799	410	361	466
South Dakota	3,718	3,161	2,696	2,191	1,898	1,883	644	532	463	459
Nebraska	4,159	4,747	4,622	3,060	3,069	3,896	749	501	503	638
Kansas	6,188	6,670	8,871	6,232	6,101	6,830	968	721	708	795
East South Central:										
Kentucky	2,184	4,246	5,373	3,552	4,186	5,121	1,411	979	1,154	1,417
Tennessee	2,584	3,107	3,629	2,558	2,868	3,183	1,002	725	828	926
Alabama	2,548	2,687	3,681	2,378	2,498	2,463	797	522	551	544
Mississippi	3,612	5,064	5,047	2,937	3,378	3,416	1,322	801	921	932
West South Central:										
Louisiana	3,788	4,578	5,098	4,087	3,945	4,132	1,280	1,046	1,010	1,061
Texas	5,098	6,514	7,614	5,487	5,906	6,396	494	367	395	434
Oklahoma	5,463	5,682	6,468	3,667	3,823	3,995	994	560	586	631
Arkansas	3,912	2,643	3,025	2,290	2,040	2,174	690	539	481	523
Mountain:										
Montana	4,284	4,728	5,178	4,460	4,113	4,705	1,016	881	814	936
Wyoming	1,213	1,659	1,970	1,671	1,689	2,001	1,071	909	919	1,088
Colorado	3,344	3,719	4,271	3,363	3,559	4,625	972	773	840	1,136
New Mexico	2,467	2,212	2,785	1,883	1,883	2,053	993	693	693	755
Arizona	1,572	2,485	3,100	3,055	2,906	2,621	1,403	1,491	1,420	1,281
Utah	1,856	2,161	2,404	2,243	2,132	2,371	1,142	1,087	1,038	1,160
Nevada	1,543	1,762	1,970	1,756	1,877	2,040	1,163	1,041	1,113	1,209
Idaho	3,844	2,872	3,244	2,516	2,411	2,727	1,219	962	891	1,008
Pacific:										
Washington	8,795	6,647	7,430	3,882	3,922	4,235	1,480	787	794	859
Oregon	2,722	2,736	3,064	2,413	2,460	2,587	1,119	782	819	863
California	7,187	12,863	13,210	6,229	6,597	8,050	1,842	869	940	1,233

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

No. 474.—Steam Railways—Revenue Freight Originated and Carried, by Commodity Groups, All Roads, 1906 to 1915, Class I Roads, 1916 to 1938

Note.—All figures in thousands of tons of 2,000 pounds. Data relate to years ended June 30 prior to 1916, to calendar years thereafter. Switching and terminal roads excluded beginning with 1908. Figures for 1911 to 1915, inclusive, exclude class III roads but this affects the comparability very slightly; those after 1916 exclude both class II and class III, thereby reducing the grand total about 6 percent. Non-revenue freight is excluded; this is a large item in the case of a few commodities, notably coal

Class of road and year or yearly average	Total	Products of agriculture	Animals and products	Products of mines		Products of forests	Manufactures and miscellaneous	
				Coal and coke	Other		Carload shipments	Less than carload
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1906–1910	[1] 930,255	73,864	20,000	324,282	147,864	98,879	162,225	33,991
1911–1915 [2]	[1] 1,053,648	99,095	25,731	392,808	192,058	101,143	181,191	41,314
Class I:								
1916–1920	[1] 1,216,452	112,038	32,039	460,120	229,816	97,351	231,901	52,914
1920	1,255,421	110,840	26,595	489,344	222,810	100,766	251,864	53,202
1921	940,183	114,069	24,263	376,220	135,050	76,419	172,169	41,992
1922	1,023,745	111,787	26,230	351,846	181,152	89,059	220,442	43,229
1923	1,279,030	109,318	28,254	471,854	241,881	115,618	267,767	44,338
1924	1,187,296	116,587	27,747	414,499	223,083	108,094	256,737	40,549
1925	1,247,242	109,313	26,324	424,403	253,933	107,391	285,291	40,587
1926	1,336,142	111,787	26,243	486,944	270,759	104,851	296,067	39,491
1927	1,281,611	113,342	26,003	449,891	263,511	99,351	291,073	38,440
1928	1,285,943	118,022	25,634	432,296	264,287	96,737	312,013	36,954
1929	1,339,091	115,343	24,907	459,397	278,482	94,855	330,064	36,043
1930	1,153,197	110,729	23,129	407,937	234,600	69,370	277,765	29,667
1931	894,186	97,487	21,632	339,536	162,367	43,025	207,366	22,773
1932	646,223	80,917	18,055	281,224	81,002	26,109	143,682	15,234
1933	698,943	81,702	17,651	296,478	98,587	33,165	157,009	14,351
1934	705,296	79,305	20,363	323,500	112,880	35,650	179,253	14,345
1935	789,627	76,338	15,125	320,628	124,508	42,483	196,506	14,039
1936	958,830	86,648	16,209	369,101	172,387	53,156	245,037	16,292
1937	1,015,586	89,460	15,233	367,388	202,357	58,658	265,302	17,188
1938	771,862	95,390	14,760	287,505	121,330	43,973	194,512	14,392
Eastern district:								
1936	417,032	20,051	4,016	190,502	47,252	4,334	143,085	7,792
1937	431,200	18,897	3,888	189,542	50,281	4,796	155,272	8,524
1938	317,081	18,890	3,657	146,983	33,606	3,502	103,520	6,923
Southern district:								
1936	230,562	10,825	1,477	143,508	25,561	16,018	29,754	3,419
1937	240,466	11,395	1,359	145,130	28,069	18,664	32,446	3,403
1938	197,069	11,906	1,399	114,355	24,546	14,617	27,302	2,044
Western district:								
1936	311,236	55,772	10,716	35,091	99,574	32,804	72,198	5,081
1937	343,920	59,168	9,986	32,716	124,007	35,198	77,584	5,261
1938	257,712	64,594	9,704	26,167	63,178	25,854	63,690	4,525
II. TOTAL REVENUE FREIGHT CARRIED [3]								
All roads:								
1906–1910	[1] 1,673,431	150,384	38,769	589,884	228,563	168,023	314,007	59,277
1911–1915 [2]	[1] 1,881,635	193,252	44,194	712,193	284,499	183,292	356,669	71,347
Class I:								
1916–1920	[1] 2,212,267	225,505	55,199	826,912	349,783	193,436	466,202	93,550
1921–1925	2,068,262	221,961	46,065	757,498	316,014	192,256	465,097	69,371
1926–1930	2,341,062	221,019	45,054	852,777	395,987	179,554	584,457	62,214
1931–1935	1,305,784	157,062	35,572	560,360	172,482	68,348	341,825	30,135
1934	1,369,733	150,761	39,240	575,991	168,158	64,199	344,135	27,249
1935	1,427,042	143,208	30,049	578,848	188,114	79,535	380,324	26,964
1936	1,712,975	159,523	31,689	664,148	259,025	100,439	467,857	30,294
1937	1,825,342	164,138	30,222	670,975	307,081	110,975	509,174	32,177
1938	1,399,259	172,961	30,090	525,182	182,790	83,640	377,709	26,887
Eastern district:								
1936	885,023	50,802	13,648	416,140	107,006	22,174	260,196	15,057
1937	930,822	50,100	12,896	419,746	124,254	24,515	282,936	16,375
1938	684,172	52,035	13,037	325,225	69,220	17,603	193,721	13,331
Southern district:								
1936	342,222	25,186	3,327	180,358	35,423	26,988	63,633	7,307
1937	360,960	25,843	3,228	183,736	39,398	30,608	70,678	7,469
1938	300,400	26,601	3,350	146,587	34,081	23,371	59,961	6,449
Western district:								
1936	485,730	83,535	14,714	67,650	116,596	51,277	144,028	7,930
1937	533,560	88,195	14,098	67,493	144,029	55,852	155,560	8,333
1938	414,687	94,325	13,703	53,370	79,489	42,666	124,027	7,107

[1] Includes some undistributed freight. [2] Excluding class III. [3] Including receipts from connecting lines.
Source: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 475.—Steam Railways (Class I)—Revenue Freight Originated and Carried, by Commodity Groups and Commodities: 1920 to 1938

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

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1938 (thousands of tons of 2,000 pounds)		
	All districts								1938					
	1920	1925	1930	1934	1935	1936	1937	1938	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Grand total, carload and l. c. l.	1,255,421	1,247,242	1,158,197	765,296	789,627	958,830	1,015,586	771,862	317,081	197,069	257,712	684,172	300,400	414,687
Grand total, carload traffic	1,202,219	1,206,655	1,123,530	750,951	775,588	942,538	998,398	757,470	310,157	194,125	253,188	670,941	293,951	407,580
Products of agriculture, total	110,840	109,313	110,728	79,305	76,338	86,648	89,460	95,390	18,890	11,906	64,594	52,035	26,601	94,325
Wheat	23,131	21,548	25,466	16,018	15,931	16,575	21,205	23,162	2,724	743	19,695	4,404	1,816	24,589
Corn	12,689	12,680	13,986	11,427	7,806	11,398	9,220	14,338	4,093	2,308	7,937	6,829	3,158	10,636
Oats	8,615	8,450	5,184	2,501	2,923	3,229	3,407	2,972	711	330	1,931	1,999	645	2,526
Other grain	5,669	4,564	4,045	3,213	3,886	4,735	4,434	4,707	306	92	4,309	845	354	5,649
Flour and meal	10,952	9,901	10,546	8,932	8,649	9,191	8,951	9,067	2,398	850	5,819	8,139	2,664	8,405
Cereal foods and other mill products	8,891	9,578	10,610	7,095	6,765	8,115	7,855	7,790	3,027	769	3,994	7,315	1,960	5,855
Hay, straw, and alfalfa	7,957	5,506	3,494	2,562	1,598	1,343	1,511	718	276	35	407	590	255	501
Leaf tobacco [1]	1,081	1,038	1,008	679	647	618	758	772	68	684	20	203	1,242	29
Cotton	3,379	4,127	3,032	2,503	2,962	3,782	3,904	3,000	57	1,241	1,702	758	2,819	2,313
Cottonseed and products, except oil	4,573	5,849	5,065	2,402	2,075	2,662	2,920	2,154	14	1,155	985	482	1,629	1,577
Citrus fruits	1,404	1,363	1,734	1,818	2,017	1,988	2,055	2,574	126	770	1,678	2,496	2,406	4,670
Other fresh fruits	5,271	5,910	5,919	3,648	3,683	3,769	3,892	3,680	622	865	2,193	3,206	2,140	5,443
Potatoes, except sweet [2]	4,118	4,614	4,332	3,804	3,383	3,475	3,650	3,396	1,133	395	1,868	4,967	1,335	3,913
Other fresh vegetables	2,205	2,828	3,262	2,687	2,464	2,771	2,713	2,662	417	617	1,628	3,122	1,908	4,897
Dried fruits and vegetables	1,165	1,533	1,674	1,260	1,347	1,387	1,357	1,411	364	40	1,007	1,078	363	2,047
Sugar beets	9,741	9,824	6,246	4,338	4,752	5,407	5,233	6,470	154	----------	6,316	215	----------	6,807
Other products of agriculture			5,125	4,418	5,450	6,203	6,395	6,517	2,400	1,012	3,105	5,387	1,907	4,468
Animals and products, total	26,595	26,324	23,129	20,363	15,125	16,208	15,233	14,760	3,657	1,399	9,704	13,037	3,350	13,703
Horses and mules	936	544	440	355	347	309	247	188	19	24	145	77	110	223
Cattle and calves	9,809	9,330	6,735	7,279	4,710	4,703	4,506	3,939	494	308	3,137	1,309	520	4,667
Sheep and goats	1,344	1,224	1,385	1,059	1,010	1,027	1,033	968	108	48	812	388	95	1,210
Hogs	5,421	5,502	4,902	3,004	1,643	2,130	1,743	1,997	547	241	1,209	1,192	325	1,373

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

[2] "Potatoes" prior to 1930.

No. 475.—Steam Railways (Class I)—Revenue Freight Originated and Carried, by Commodity Groups and Commodities: 1920 to 1938—Continued

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1938 (thousands of tons of 2,000 pounds)		
	All districts								1938					
	1920	1925	1930	1934	1935	1936	1937	1938	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Animals and products—Continued														
Fresh meats	2,770	2,904	2,928	3,229	2,582	2,934	2,758	2,859	793	324	1,742	3,780	823	2,109
Other packing-house products	2,206	2,139	1,970	1,584	1,081	1,108	1,062	1,079	372	176	531	1,015	753	861
Poultry	264	357	419	377	284	310	283	265	43	19	203	461	38	283
Eggs	536	591	612	403	322	332	327	326	55	19	252	525	61	358
Butter and cheese	425	686	807	771	678	663	639	723	130	43	550	1,131	140	707
Wool	293	263	354	237	339	296	275	247	89	9	149	373	44	216
Hides and leather	1,051	1,026	847	789	884	877	845	795	374	86	335	1,214	196	561
Other animals and products	1,540	1,758	1,680	1,276	1,245	1,519	1,515	1,374	633	102	639	1,572	245	1,035
Mineral products, total	712,154	678,336	642,537	436,380	445,136	541,489	569,745	408,835	180,588	138,902	89,345	394,445	180,668	132,859
Anthracite	78,100	58,260	71,252	68,630	60,644	63,647	60,097	53,173	53,035	95	43	82,059	157	330
Bituminous coal	384,349	346,346	322,150	244,735	249,413	290,737	292,265	225,344	87,334	113,073	24,937	233,434	144,390	51,045
Coke	26,895	19,798	14,536	10,136	10,572	14,719	15,026	8,988	6,613	1,187	1,188	9,732	2,040	1,995
Iron ore	84,433	72,134	59,980	27,942	34,888	54,906	76,961	24,846	1,290	1,377	22,179	16,794	1,839	23,014
Copper ore and concentrates	21,550	12,289	4,525	1,680	903	1,344	5,591	3,519	5	2	3,512	94	33	4,938
Other ores and concentrates			6,957	3,634	4,450	5,817	7,644	5,714	1,821	869	3,024	4,155	1,639	4,931
Gravel, sand, and stone [3]	98,720	145,405	112,196	46,015	46,826	61,840	57,645	46,326	12,267	12,431	21,628	16,216	15,707	26,561
Crude petroleum	6,435	11,245	6,598	3,381	3,495	3,471	4,140	4,046	930	315	2,801	1,366	587	4,583
Asphaltum	1,424	2,531	2,925	2,729	3,049	4,097	4,273	4,243	2,162	619	1,462	3,775	1,287	2,822
Salt	3,250	3,403	2,952	2,822	2,595	3,063	3,067	2,765	1,379	16	1,370	3,591	984	2,606
Phosphate rock, crude	6,997	6,925	5,712	4,403	5,108	5,342	2,263	5,577	20	5,405	152	231	5,913	264
Sulphur			1,934	1,469	1,572	2,251	2,689	1,735	140	40	1,555	302	220	2,018
Other mineral products [3]			30,820	18,804	21,621	30,255	34,084	22,559	13,592	3,473	5,494	22,696	5,872	7,752
Products of forests, total	100,766	107,391	69,371	35,650	42,483	53,156	58,658	43,973	3,502	14,616	25,855	17,603	23,371	42,666
Logs, posts, poles, piling, and cordwood	38,571	45,428	28,451	12,820	15,844	19,613	20,820	15,062	340	2,876	11,846	1,273	3,580	14,688
Ties	5,472	4,292	3,522	1,711	1,546	2,114	2,598	1,489	208	526	755	481	752	999
Pulpwood	4,992	5,826	6,524	4,719	5,047	6,145	8,449	7,474	1,243	3,503	2,728	2,222	4,322	3,726
Lumber, shingles, lath, cooperage materials, veneer, etc.	48,618	49,019	27,800	14,178	17,875	22,652	23,544	17,529	1,048	6,619	9,862	11,718	13,060	22,220
Other forest products	3,112	2,826	3,074	2,222	2,171	2,632	3,247	2,419	663	1,092	664	1,909	1,657	1,033

Manufactures and miscellaneous, total	**251, 864**	**285, 291**	**277, 765**	**179, 253**	**196, 506**	**245, 037**	**265, 302**	**194, 512**	**103, 520**	**27, 302**	**63, 690**	**193, 721**	**59, 961**	**124, 027**
Refined petroleum and its products	29, 616	46, 273	62, 901	49, 666	48, 718	53, 001	54, 614	48, 644	17, 097	6, 168	25, 379	27, 267	12, 161	47, 265
Vegetable oils	938	1, 446	1, 602	1, 405	1, 524	1, 708	1, 828	1, 703	493	526	684	1, 398	1, 069	1, 152
Sugar, sirup, glucose, and molasses	5, 664	5, 700	5, 659	5, 059	4, 895	5, 428	6, 361	6, 183	1, 477	816	3, 890	2, 738	2, 260	6, 577
Iron, pig [4]	16, 451	14, 577	5, 140	2, 548	3, 471	4, 902	5, 833	2, 521	1, 534	680	307	2, 342	1, 080	618
Scrap iron and steel	([5])	([5])	9, 901	7, 173	9, 517	12, 858	15, 355	6, 941	4, 784	731	1, 426	6, 875	1, 142	1, 973
Iron and steel (6th class, n. o. s.)	([5])	([5])	3, 680	2, 597	3, 666	5, 517	6, 092	2, 916	2, 860	14	42	3, 362	31	75
Rails, fastenings, frogs, and switches [6]	3, 047	2, 646	1, 778	1, 032	891	1, 422	1, 539	700	561	65	74	760	215	287
Iron and steel pipes and fittings [7]	27, 443	29, 144	6, 442	2, 708	2, 948	4, 656	5, 317	3, 455	2, 385	495	575	4, 182	1, 189	2, 167
Iron and steel (5th class, n. o. s.) [7]			26, 745	15, 526	20, 117	26, 825	30, 213	15, 342	13, 403	659	1, 280	21, 844	2, 349	4, 256
Iron and steel nails and wire	([5])	([5])	1, 372	1, 024	1, 307	1, 584	1, 591	1, 112	795	74	243	1, 483	288	563
Copper: Ingot, matte, and pig	5, 170	5, 419	665	229	347	570	689	421	241	5	175	745	78	785
Lead and zinc: Ingot, pig, or bar			1, 124	833	1, 011	1, 169	1, 293	946	350	10	586	1, 070	136	1, 115
Other metals: Pig, bar, sheet, etc			379	261	284	408	511	410	101	5	304	307	38	435
Machinery and boilers [8]	9, 391	5, 359	3, 072	1, 310	1, 507	2, 061	2, 419	1, 547	1, 110	103	334	2, 367	443	857
Cement	15, 400	24, 516	23, 180	11, 670	11, 454	17, 236	17, 137	15, 705	6, 870	2, 554	6, 281	14, 123	5, 392	9, 677
Brick and artificial stone	15, 251	19, 668	12, 595	3, 970	4, 595	7, 254	7, 207	4, 806	2, 396	1, 220	1, 190	4, 427	2, 034	2, 214
Lime and plaster	4, 410	6, 830	3, 452	1, 844	2, 254	3, 124	3, 469	2, 912	1, 679	454	779	3, 242	1, 193	1, 615
Sewer pipe and drain tile	2, 165	2, 426	1, 946	716	673	879	928	763	447	111	205	976	254	417
Agricultural implements and vehicles other than automobiles [9]	3, 324	2, 281	1, 657	634	1, 036	1, 291	1, 657	1, 336	440	94	802	1, 024	372	1, 506
Automobiles, autotrucks, parts, tires, etc	3, 427	6, 980	6, 624	5, 087	6, 921	7, 737	8, 411	4, 360	3, 511	175	674	6, 628	948	2, 605
Furniture	743	970	733	375	473	612	644	469	162	158	149	584	398	418
Beverages	1, 240	841	893	1, 957	2, 048	2, 606	2, 752	2, 391	737	242	1, 412	1, 992	782	2, 736
Ice	5, 795	4, 928	2, 578	1, 054	854	955	912	645	162	55	428	188	56	432
Fertilizers	9, 204	8, 463	12, 302	6, 283	6, 940	7, 564	8, 891	7, 104	2, 277	3, 477	1, 350	4, 337	5, 461	2, 523
Printing paper [10]	3, 144	3, 328	3, 399	2, 408	2, 531	2, 834	3, 090	2, 573	1, 848	145	580	6, 903	524	1, 989
Chemicals and explosives [11]	8, 348	9, 579	2, 672	2, 101	2, 186	2, 615	2, 800	2, 037	1, 059	498	480	1, 690	921	680
Textiles	805	956	710	512	518	623	663	540	127	311	102	429	690	260
Canned food products	3, 074	4, 144	4, 751	3, 816	3, 844	4, 498	4, 607	4, 103	1, 724	272	2, 107	4, 739	961	4, 246
Furnace slag	77, 814	78, 807	11, 000	2, 495	2, 254	3, 803	3, 967	2, 809	2, 153	628	28	2, 467	1, 434	63
Paper board, pulpboard, and wall board (paper)			2, 241	1, 812	2, 021	2, 412	2, 653	2, 255	930	857	468	2, 804	1, 857	1, 288
Building paper and prepared roofing materials			1, 687	1, 184	1, 506	1, 965	1, 835	1, 801	1, 053	188	560	2, 084	716	1, 009
Other manufactures and miscellaneous			54, 885	39, 964	44, 195	54, 920	60, 024	45, 062	28, 754	5, 512	10, 796	58, 344	13, 489	22, 224
Merchandise—all l. c. l. freight	**53, 202**	**40, 587**	**29, 667**	**14, 345**	**14, 039**	**16, 292**	**17, 188**	**14, 392**	**6, 924**	**2, 944**	**4, 524**	**13, 331**	**6, 449**	**7, 107**

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

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

No. 476.—Steam Railways (Class I)—Revenue Freight, Average Number of Weekly Car Loadings, by Principal Commodity Groups, by Months: 1934 to 1938

Note.—Averages for earlier years for all commodities are: 1918, 857,540; 1919, 804,472; 1920, 867,663; 1921, 756,215; 1922, 830,915; 1923, 957,925; 1924, 933,354; 1925, 985,080; 1926, 1,021,131; 1927, 992,996; 1928, 992,113; 1929, 1,015,922; 1930, 882,269; 1931, 714,447; 1932, 541,922; 1933, 561924.

Weekly average for—	1934	1935	1936	1937	1938	1934	1935	1936	1937	1938
	Total, all commodities					Grain and grain products				
Year	**593, 192**	**605, 849**	**694, 406**	**724, 432**	**585, 934**	**31, 652**	**30, 328**	**34, 707**	**34, 403**	**37, 842**
January	545, 770	542, 287	608, 182	678, 612	564, 106	29, 197	24, 269	31, 530	30, 116	37, 457
February	578, 619	585, 491	628, 034	690, 864	538, 863	30, 091	26, 318	30, 102	28, 652	31, 632
March	613, 522	602, 080	603, 787	746, 542	555, 716	29, 651	26, 980	33, 484	28, 369	33, 205
April	585, 115	575, 425	642, 908	742, 581	529. 979	26, 496	26, 900	31, 034	29, 045	31, 934
May	611, 591	577, 595	670, 169	774, 658	546, 456	28, 107	25, 154	30, 693	26, 634	32, 570
June	616, 926	616, 434	687, 289	752, 913	551, 970	34, 881	25, 919	36, 300	34, 523	37, 207
July	587, 754	556, 218	730, 787	747, 976	568, 225	42, 760	29, 975	56, 009	49, 530	55, 854
August	614, 573	619, 600	738, 631	775, 148	598, 010	39, 769	42, 227	41, 382	43, 234	47, 645
September	625, 488	657, 121	705, 595	792, 355	638, 155	33, 827	40, 550	31, 779	35, 188	37, 108
October	633, 735	713, 010	819, 490	800, 079	708, 396	31, 463	35, 589	32, 227	37, 539	44, 137
November	568, 600	626, 119	753, 667	653, 845	632, 401	26, 986	30, 811	32, 791	38, 392	34, 189
December	526, 392	580, 631	673, 056	550, 520	589, 819	25, 425	27, 250	31, 177	32, 595	32, 555
	Livestock					Coal				
Year	**20, 663**	**13, 740**	**14, 593**	**13, 877**	**13, 519**	**117, 989**	**118, 187**	**133, 412**	**134, 172**	**106, 633**
January	17, 499	14, 485	13, 285	14, 089	14, 581	131, 099	137, 542	153, 875	156, 593	124, 072
February	15, 281	12, 452	10, 273	11, 238	11, 276	144, 958	142, 458	182, 902	156, 703	110, 391
March	13, 448	11, 292	11, 931	11, 375	10, 949	147, 246	135, 370	105, 883	167, 607	95, 229
April	16, 285	12, 888	12, 984	12, 094	11, 039	101, 468	94, 558	112, 866	119. 704	80, 905
May	16, 252	12, 570	11, 578	13, 190	12, 660	107, 638	102, 004	109, 370	117, 171	85, 973
June	15, 449	9, 988	11, 683	11, 038	10, 639	101, 253	126, 023	106, 300	112, 225	86, 414
July	22, 197	9, 875	14, 004	10, 299	11, 113	94, 119	79, 542	112, 559	107, 580	88, 259
August	32, 108	12, 869	15, 405	14, 268	12, 267	101, 748	98, 462	120, 150	118, 035	95, 526
September	33, 446	17, 414	18, 179	16, 978	15, 642	116, 100	111, 259	132, 789	138, 967	117, 050
October	28, 556	21, 156	21, 854	21, 186	20, 370	121, 171	134, 212	158, 111	157, 887	133, 609
November	21, 189	16, 132	19, 244	16, 476	17, 260	120, 394	124, 923	156, 160	134, 092	127, 633
December	16, 367	12, 792	14, 170	12, 773	13, 355	129, 004	130, 538	151, 257	128, 173	132, 752
	Coke					Ore				
Year	**6, 404**	**6, 531**	**9, 232**	**9, 766**	**5, 283**	**15, 253**	**19, 931**	**31, 212**	**42, 454**	**16, 268**
January	7, 740	7, 540	9, 700	11, 869	6, 627	3, 106	3, 335	5, 792	10, 410	7, 090
February	10, 083	8, 315	10, 674	12, 081	5, 630	3, 106	3, 742	5, 727	10, 580	7, 140
March	8, 981	5, 958	6, 882	11, 774	4, 968	3, 725	4, 436	5, 964	10, 955	7, 758
April	5, 780	5, 600	7, 103	10, 486	4, 006	7, 186	9, 674	10, 598	38, 239	7, 908
May	6, 843	5, 762	8, 278	10, 241	4, 108	20, 711	27, 030	42, 317	73, 141	13, 847
June	6, 796	5, 822	8, 283	9, 773	4, 099	33, 106	32, 842	49, 475	74, 328	23, 687
July	4, 406	4, 564	8, 808	10, 175	4, 224	31, 346	33, 538	54, 348	76, 379	22, 443
August	4, 358	5, 191	8, 567	9, 651	4, 560	28, 556	34, 562	55, 182	74, 468	24, 569
September	5, 220	6, 319	9, 645	10, 226	5, 509	23, 716	34, 934	56, 428	69, 699	26, 532
October	5, 442	7, 506	10, 577	9, 136	6, 107	17, 138	31, 373	52, 846	47, 968	28, 226
November	5, 175	7, 364	11, 222	6, 984	6, 621	5, 768	13, 001	28, 342	15, 582	16, 366
December	6, 102	8, 282	11, 027	5, 777	6, 931	3, 041	6, 441	8, 402	8, 021	8, 769
	Forest products					Miscellaneous and l. c. l.				
Year	**22, 095**	**26, 613**	**32, 357**	**35, 154**	**27, 266**	**379, 136**	**390, 538**	**438, 889**	**454, 605**	**379, 123**
January	18, 352	18, 692	27, 869	30, 704	25, 525	338, 788	338, 425	366, 131	424, 841	348, 756
February	21, 818	25, 280	26, 412	34, 772	26, 311	353, 282	366, 925	361, 945	436, 838	346, 484
March	23, 705	25, 159	30, 514	37, 542	27, 121	386, 766	392, 886	409, 130	478, 920	376, 489
April	24, 342	25, 451	30, 681	36, 820	24, 492	403, 659	400, 455	437, 643	495, 294	369, 095
May	25, 246	24, 939	32, 391	40, 123	26, 216	406, 795	380, 135	435, 543	494, 159	371, 082
June	24, 652	26, 693	33, 941	39, 421	26, 311	400, 790	389, 198	441, 308	471, 604	363, 612
July	20, 762	26, 441	33, 858	39, 723	25, 945	372, 166	372, 282	451, 202	454, 291	360, 386
August	22, 168	30, 345	36, 236	40, 283	29, 883	385, 866	395, 944	461, 709	475, 209	383, 560
September	22, 069	30, 917	34, 698	37. 480	29, 934	391, 111	415, 728	482, 077	483, 819	406, 381
October	22, 390	31, 136	35, 660	35, 272	31, 860	407, 575	452, 026	508, 215	491, 092	444, 086
November	20, 723	27, 062	34, 011	27, 847	27, 328	368, 365	406, 827	471, 897	414, 474	403, 005
December	18, 295	25, 929	31, 445	23, 315	26, 291	328, 159	369, 401	425, 569	339, 866	369, 167

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

No. 477.—Steam-Railway Accidents—Number of Persons Killed and Injured, by Causes of Accidents: 1926 to 1938

Note.—See headnote to table 478

Cause of accident	Killed					Injured				
	1926–1930, average	1931–1935, average	1936	1937	1938	1926–1930, average	1931–1935, average	1936	1937	1938
All accidents	6,480	4,970	5,398	5,350	4,499	89,404	29,816	34,706	36,692	27,253
Train accidents	306	225	277	310	293	2,985	1,125	1,547	1,367	1,073
Passengers on trains	30	8	7	3	52	1,455	465	742	536	475
Travelers not on trains										
Employees	164	80	120	130	92	1,132	373	553	514	371
Other persons	114	137	150	177	149	398	287	252	317	227
Causes:										
Collisions	89	32	63	57	40	1,391	417	702	553	420
Passengers on trains	11	3	1	1	9	710	222	404	237	225
Travelers not on trains										
Employees	70	25	58	50	28	526	144	240	229	156
Other persons	8	4	4	6	3	155	51	58	87	30
Derailments	139	113	133	119	138	1,379	577	682	674	511
Passengers on trains	18	5	6	2	43	718	230	325	289	227
Travelers not on trains										
Employees	66	42	43	51	43	487	180	243	239	175
Other persons	55	66	84	66	52	173	167	114	146	109
Other causes	81	80	81	134	115	215	131	163	140	142
Passengers on trains	1	------	------	------	------	27	13	13	10	23
Travelers not on trains										
Employees	28	12	19	29	21	119	48	70	46	40
Other persons	52	67	62	105	94	69	69	80	84	79
Train-service accidents	5,796	4,522	4,897	4,808	3,996	35,395	16,219	18,045	18,782	14,429
Passengers on trains	63	26	10	15	17	2,208	1,525	1,709	1,972	1,797
Travelers not on trains			15	9	6			89	79	66
Employees	940	376	473	427	294	23,275	7,005	8,408	8,780	6,110
Other persons	4,793	4,120	4,399	4,357	3,679	9,912	7,690	7,779	7,951	6,456
Causes:										
Coupling or uncoupling locomotives or cars	48	15	24	22	6	1,124	293	329	376	244
Coupling or uncoupling air hose	19	10	8	7	6	353	134	157	174	113
Operating locomotives	16	7	9	8	2	3,731	1,007	1,135	1,130	780
Operating hand brakes	30	14	16	13	11	1,875	596	694	747	555
Operating switches	1	1	------	------	------	747	202	310	287	202
Contact with fixed structures	57	59	42	31	36	534	258	193	252	171
Getting on or off cars or locomotives	419	449	313	319	271	7,084	3,689	3,543	3,722	3,182
Highway grade-crossing accidents [1]	2,315	1,521	1,676	1,748	1,385	6,400	4,135	4,780	4,996	3,848
Struck or run over, not at public crossings	2,267	1,726	1,926	1,788	1,518	1,721	969	1,086	1,089	798
Miscellaneous	625	718	883	872	761	11,824	4,937	5,818	6,009	4,536
Nontrain accidents	376	223	224	232	210	51,024	12,471	15,114	16,543	11,751
Passengers on trains	2	3	------	------	------	595	540	------	------	------
Travelers not on trains			3	4	3			698	706	670
Employees	288	132	126	155	125	48,990	10,844	13,388	14,820	10,088
Other persons	85	88	95	73	82	1,440	1,087	1,028	1,017	993

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

Source: Interstate Commerce Commission, annual Accident Bulletin.

No. 478.—Steam-Railway Accidents—Number of Persons Killed and Injured, by Status: 1891 to 1938

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

Yearly average or year ended—	Total		Passengers[1]		Employees		Other persons		Trespassers[2]	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1891–1895	6,821	36,313	292	2,967	2,315	27,051	4,214	5,294	--------	--------
1896–1900	6,946	42,248	222	3,237	2,054	32,793	4,670	6,219	--------	--------
1901–1905	9,326	72,943	392	7,894	3,249	57,209	5,686	7,840	--------	--------
1906–1910	10,210	105,617	385	11,625	3,572	83,502	6,252	10,491	--------	--------
1911–1915	10,174	174,941	273	13,382	3,273	148,640	6,628	12,919	--------	--------
Dec. 31:										
1916	10,001	196,722	246	7,152	2,941	176,923	6,814	12,647	--------	--------
1917	10,087	194,805	301	7,582	3,199	174,247	6,587	12,976	--------	--------
1918	9,286	174,575	471	7,316	3,419	156,013	5,396	11,246	--------	--------
1919	6,978	149,053	273	7,456	2,138	131,018	4,567	10,579	--------	--------
1920	6,958	168,309	229	7,591	2,578	149,414	4,151	11,304	--------	--------
1921	5,996	120,685	205	5,584	1,446	104,530	4,345	10,571	--------	--------
1922	6,325	134,871	203	6,712	1,657	117,197	1,967	7,834	2,498	3,128
1923	7,386	171,712	143	6,463	2,026	152,678	2,397	9,279	2,819	3,292
1924	6,617	143,739	153	6,023	1,543	125,319	2,300	9,268	2,621	3,129
1925	6,766	137,435	176	5,643	1,599	119,224	2,347	9,640	2,644	2,928
1926	7,090	130,235	155	5,149	1,672	111,903	2,640	10,387	2,623	2,796
1927	6,821	104,799	82	4,560	1,566	88,223	2,519	9,020	2,654	2,996
1928	6,509	85,561	85	4,027	1,327	70,246	2,718	8,652	2,379	2,636
1929	6,496	76,995	100	4,371	1,424	60,739	2,665	9,308	2,307	2,577
1930	5,481	49,430	50	3,180	974	35,872	2,153	7,430	2,304	2,948
1931	5,099	35,656	41	2,689	676	23,358	1,981	6,288	2,401	3,321
1932	4,747	29,219	28	2,366	579	17,742	1,635	5,330	2,505	3,781
1933	5,019	27,494	50	2,522	532	15,932	1,611	5,043	2,826	3,997
1934	4,879	28,631	39	2,554	556	17,338	1,630	5,583	2,654	3,156
1935	5,107	28,080	26	2,517	600	16,742	1,769	5,791	2,712	3,030
1936	5,398	34,706	35	3,238	719	22,409	1,906	6,365	2,738	2,694
1937	5,350	36,692	31	3,293	712	24,114	2,038	6,656	2,569	2,620
1938	4,490	27,253	78	3,008	511	16,569	1,612	5,247	2,298	2,429

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

Source: Interstate Commerce Commission, annual Accident Bulletin.

No. 479.—Steam Railways (Class I)—Fuel Consumption and Rail and Tie Replacements: 1935, 1936, and 1937

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

	All districts			1937		
	1935	1936	1937	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite ... 1,000 short tons	508	485	473	473	--------	--------
Bituminous coal ... do	71,335	81,130	82,667	38,602	18,484	25,581
Fuel oil[1] ... 1,000 gallons	1,998,176	2,353,484	2,581,441	8,535	32,527	2,540,379
Hardwood[1] ... cords	1,883	2,042	1,152	429	723	--------
Softwood[1] ... do	18,214	16,795	17,816	6,214	1,528	10,074
Total, coal equivalent[2] 1,000 short tons	84,783	96,756	99,783	39,132	18,681	41,920
Rails laid in replacement and betterment:						
Total tonnage ... 1,000 long tons	1,159	1,701	1,975	682	386	907
Total charges[3] ... 1,000 dollars	36,218	53,501	62,558	20,627	12,006	29,925
Ties laid in previously constructed tracks:						
Crossties ... thousands	44,326	47,361	47,730	11,504	9,936	26,290
Switch and bridge ties ... 1,000 board feet	156,536	167,378	159,430	41,974	41,128	76,328
Total charges[3] ... 1,000 dollars	52,370	56,783	60,160	18,775	11,701	29,684

[1] The ratio of fuel oil to coal is based upon the experience of the various roads; 1 cord of hardwood equals two-thirds ton of coal; 1 cord of softwood equals one-half ton of coal.
[2] Totals include equivalent of a small amount of miscellaneous fuel.
[3] The total charges shown do not include the labor cost of applying the rails or ties.

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

No. 480.—Express Companies—Income Account: 1921 to 1938

Note.—In thousands of dollars. Mileage operated by express companies, 1938: Total, 281,385; steam road, 206,555; electric line, 2,685; steamboat line, 20,575; airplane, 39,289; stage line, 12,281

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
1931	192,044	81,221	113,997	111,181	2,816	1,343	1,457	302	4
1932	137,703	53,085	87,436	84,513	2,923	1,380	1,513	234	[6] *5*
1933	118,673	44,468	76,503	73,416	3,087	1,524	1,535	186	[6] *6*
1934	130,953	50,530	82,907	79,756	3,151	1,518	1,612	156	4
1935	138,751	53,170	88,068	84,899	3,169	1,548	1,603	148	4
1936	155,446	59,326	98,634	92,668	5,966	4,534	1,418	191	[6] *5*
1937	160,788	58,009	105,396	100,441	4,955	3,395	1,528	167	22
1938	155,590	50,478	107,640	98,827	8,813	6,401	2,394	173	731
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
1931	5,603	2,117	3,585	3,443	142	89	51	17	68
1932	4,174	1,420	2,848	2,726	122	78	43	21	64
1933	4,326	1,537	2,905	2,769	136	94	38	15	53
1934	5,060	2,049	3,135	3,003	132	96	35	11	46
1935	5,520	2,234	3,406	3,250	156	96	57	3	60
1936	6,270	2,484	3,903	3,705	198	140	57	---------	57
1937	6,102	1,997	4,221	3,930	291	242	48	1	49
1938 [8]	3,122	746	2,436	2,270	166	158	6	1	7

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

No. 481.—Pullman Company—Summary of Operations: 1910 to 1938

[All money figures in thousands of dollars]

Year ended—	Gross revenues, car operations	Association revenues, debtor	Contract revenues, debtor [1]	Expenses, car operations		Net revenues, car operation	Operating income	Revenue passengers carried	
				Total	Conducting car operations			Thousands	Number per car-day
June 30:									
1910	35,334	66	893	23,962	(2)	11,372	13,151	20,203	14
1915	38,723	467	1,954	26,633	11,716	12,090	10,816	24,252	12
Dec. 31:									
1920	72,124	---------	13,155	61,031	30,805	11,093	9,304	39,255	16
1923	72,576	---------	8,555	55,885	27,365	16,691	12,280	34,249	13
1924	72,758	---------	9,075	61,609	30,023	11,149	7,755	34,086	12
1925	80,198	---------	8,873	63,513	32,247	16,685	12,546	35,526	12
1926	81,834	---------	9,463	68,204	35,009	13,630	9,565	36,073	11
1927	80,952	---------	8,906	66,503	34,848	14,449	10,360	35,197	11
1928	80,846	---------	8,604	66,656	34,935	14,190	10,938	33,924	11
1929	82,384	---------	8,704	69,490	36,191	12,894	9,185	33,434	10
1930	76,234	---------	5,534	68,960	35,379	7,274	4,937	29,360	9
1931	62,558	---------	2,573	57,243	27,386	5,315	3,009	22,985	9
1932	43,366	---------	1,550	42,465	19,276	901	[3] *1,220*	15,750	8
1933	38,436	---------	1,325	37,888	16,358	548	[3] *564*	13,717	8
1934	44,070	---------	2,361	41,976	17,527	2,094	400	15,105	8
1935	48,428	---------	2,683	49,077	19,720	[3] *649*	[3] *1,647*	15,479	8
1936	56,347	---------	4,580	50,102	20,258	6,245	3,454	17,198	9
1937	62,112	---------	3,834	54,566	22,081	7,547	4,219	17,745	9
1938	56,963	---------	2,762	51,549	21,812	5,414	1,503	15,540	8

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

Source of tables 480 and 481: Interstate Commerce Commission; annual report, Statistics of Railways in the United States.

No. 482.—The Alaska Railroad—Summary of Passenger and Freight Services: Years Ended June 30, 1937 and 1938

	1937	1938		1937	1938
Road mileage operated—monthly average	500.8	500.8	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight-train-miles	87,431	95,681
Passenger-train miles [1]	91,902	99,299	Mixed-train-miles	28,418	8,829
Mixed-train miles	28,418	8,829	Loaded cars, 1 mile, freight and mixed trains	1,552,584	1,622,003
Passenger-car miles, passenger trains [1]	222,920	[2] 409,962	Empty cars, 1 mile, freight and mixed trains	1,004,464	1,152,129
Passenger-car miles, mixed trains	20,941	[3] 18,136	All cars, 1 mile	2,557,048	2,774,132
Total revenue passengers carried	27,675	26,026	Tons of revenue freight carried:		
Revenue passengers carried 1 mile	3,672,826	4,247,677	Coal	94,294	106,636
Total passenger revenue	$196,449	$232,342	Miscellaneous	63,423	49,197
Average revenue per passenger per mile	$0.05349	$0.05469	Tons of revenue freight carried 1 mile	25,676,316	26,285,530
			Total freight revenue	$1,449,010	$1,568,946
			Average revenue per ton per mile	$0.05643	$0.05968

[1] Including motor miles.
[2] Includes actual miles by passenger train cars in passenger and special trains and miles run by such cars incidentally in freight trains.
[3] Includes 9,247 baggage car miles.

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

No. 483.—Electric Railways—Summary: 1890 to 1937

Note.—The census of street railways, which was first taken in 1890, and which has been taken at quinquennial intervals 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 and tables 484–486, 488–490 do not include data for motorbus and trolley-bus operations of electric street railways. (For motorbus and trolley-bus statistics from Census reports, see tables 491–493)

	1890	1902	1912	1922	1927	1932	[1] 1937
Number of companies	789	987	1,260	[2] 1,200	[2] 963	[2] 706	[2] 478
Miles of line operated [3]	5,783	16,645	30,438	31,264	27,948	20,110	14,214
Miles of all track operated [3]	8,123	22,577	41,065	43,932	40,722	31,548	23,770
Value of road and equipment (thousand dollars)	389,357	2,167,634	4,596,563	5,058,762	(4)	4,143,381	4,399,768
Number of employees [5]	70,764	140,769	282,461	300,119	264,575	[6] 182,165	152,476
Number of passenger cars	32,505	60,290	76,162	77,301	70,309	59,692	44,864
Revenue passengers, including pay-transfer (thousands)	2,023,010	4,774,212	9,545,555	12,666,558	12,174,592	[7] 7,955,981	7,485,290
Operating revenues (thousand dollars) [8]	90,617	247,554	567,512	1,016,719	927,774	566,290	513,129
Operating expenses (thousand dollars) [8]	62,011	142,313	332,896	727,795	694,460	442,607	406,119
Operating ratio (per cent)	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 20,721,000 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.

No. 484.—Electric Railways—Track Mileage, Equipment, Traffic, and Personnel: 1917 to 1937

Note.—See headnote, table 483

	All companies					Surface lines	
	1917	1922	1927	1932	1937	1932	1937
Number of operating companies	943	858	682	485	294	478	290
Miles of single track [1]	44,835	43,932	40,722	31,548	23,770	30,519	22,984
First track (length of line)	32,548	31,264	27,948	20,110	14,214	19,783	13,959
Second and other tracks	12,288	12,668	12,774	11,438	9,556	10,736	9,025
Electric track with:							
Overhead trolley	42,491	41,418	38,246	29,448	(2)	29,379	(2)
Third rail and conduit trolley	2,051	2,314	2,270	1,886	(2)	927	(2)
Other (electric)	137	78	95	102	(2)	102	(2)
Number of cars	102,603	99,255	93,246	79,984	58,371	67,339	49,522
Passenger	79,914	77,301	70,309	59,692	44,864	50,593	38,231
Express, freight, and mail	11,534	11,406	13,337	12,509	8,127	9,266	6,142
Service cars	11,155	10,548	9,600	7,783	5,380	7,480	5,149
Number of electric locomotives	357	404	462	609	533	464	410
Electric energy (1,000 kilowatt-hours) [3]	12,187,851	12,405,053	9,389,597	7,343,517	6,864,077	5,935,176	5,567,919
Generated [3]	7,240,503	6,473,451	2,975,863	2,433,176	1,440,874	1,265,000	(4)
Purchased	4,947,348	5,931,602	6,413,734	4,910,341	5,423,204	4,670,175	(4)
Passengers carried (thousands)	14,506,915	15,331,400	14,901,435	9,854,185	9,416,783	7,814,741	7,331,805
Revenue passengers, including pay transfer	11,304,661	12,666,558	12,174,592	7,926,260	7,485,290	5,892,641	5,902,348
Free-transfer passengers	3,021,138	2,496,570	2,571,249	1,823,870	1,805,864	1,823,646	1,805,615
Free passengers	181,116	168,272	155,594	104,055	125,629	98,453	123,842
Revenue car mileage (thousands)	2,139,802	2,124,523	2,163,773	1,681,491	1,489,691	1,284,611	1,168,176
Passenger	2,087,819	2,068,294	2,084,566	1,642,023	1,442,406	1,245,143	1,120,891
Express, freight, and mail	51,983	56,229	79,207	39,468	47,285	39,468	47,285
Average number of revenue passengers:							
Per mile of all track [5]	252,323	288,600	299,733	251,244	314,905	193,081	256,802
Per passenger-car hour	56.79	64.25	61.97	54.43	57.65	48.79	53.70
Revenue car-hours (thousands)	203,057	201,838	202,513	147,836	133,812	122,993	113,896
Passenger	199,053	197,146	196,464	145,630	129,838	120,787	109,921
Express, freight, and mail	4,004	4,692	6,049	2,206	3,974	2,206	3,974
Salaried employees:							
Number	27,151	30,239	27,845	20,260	18,068	18,448	15,717
Salaries (thousand dollars)	33,910	57,489	56,647	40,147	38,630	35,621	32,878
Wage earners:							
Number	267,675	269,880	236,730	[6] 161,905	134,408	[6] 131,923	114,423
Wages (thousand dollars)	233,331	387,643	380,978	[6] 241,686	217,744	[6] 191,224	184,455
Conductors and motormen:							
Number	136,184	130,224	113,180	[6] 78,928	72,140	[6] 74,173	(4)
Wages (thousand dollars)	127,222	204,690	196,636	[6] 121,752	122,869	[6] 112,475	(4)
Other wage earners:							
Number	131,491	139,656	123,550	82,977	62,268	57,750	(4)
Wages (thousand dollars)	106,109	182,953	184,341	119,934	94,875	78,749	(4)
Accidents (fatalities and injuries), total	144,427	111,132	139,219	118,456	141,944	96,278	122,594
Killed or died from injuries	2,573	1,679	1,606	944	943	850	817
Injured, but not killed	141,854	109,453	137,613	117,512	141,001	95,428	121,777

[1] Includes mileage of track lying outside United States, as follows: 1917, 1922, and 1927, 27 miles; 1932, 24 miles.

[2] No comparable data. Figures for first track of all companies are: Overhead trolley, 13,150; third rail and conduit trolley, 797; other electric, 103; other than electric, 164.

[3] Figures for 1917 and 1922 include data for light and power departments of electric-railway companies and therefore are not comparable with those for later years, which exclude such data.

[4] Not available.

[5] Based on miles of all track operated for 1937 and 1932; for prior years based on total track mileage operated by roads which carried revenue passengers.

[6] Includes 334 trolley-bus operators with wages of $551,000.

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

No. 485.—Electric Railways—Track Mileage, Passenger Traffic, Passenger Revenue, and Revenue Car-Mileage, by States: 1932 and 1937

Note.—See headnote, table 483. Figures represent total activities of companies domiciled in the respective States, some of which companies operate in other States

Division and State	Miles of track operated		Revenue passengers [1] (thousands)		Passenger revenue (thousands of dollars)		Revenue car-miles (thousands)			
							1932	1937		
	1932	1937	1932	1937	1932	1937	Total	Total	Passenger cars	Express, mail, and freight cars
United States	31,548	23,770	7,926,260	7,485,280	518,060	471,065	1,681,491	1,489,691	1,442,406	47,285
New England	2,443	1,202	528,674	382,547	43,262	31,875	106,242	64,788	64,422	366
Maine	276	192	14,403	11,389	1,437	969	6,814	4,497	4,283	213
New Hampshire	87	53	4,839	3,289	410	265	1,838	1,080	1,071	9
Vermont and Rhode Island [2]	203	317	64,884	72,357	9,723	4,897	8,462	13,824	13,754	70
Connecticut	572		76,954				20,309			
Massachusetts	1,305	640	367,594	295,512	31,692	25,744	68,820	45,387	45,313	74
Middle Atlantic	8,924	5,532	3,839,473	3,499,452	219,363	196,460	664,045	638,212	636,757	1,455
New York	3,295	2,535	2,899,494	2,676,484	152,936	138,255	492,408	495,100	494,506	594
New Jersey	701	727	175,170	97,611	9,184	5,112	23,459	13,244	13,239	5
Pennsylvania	2,928	2,270	764,809	725,357	57,243	53,093	148,178	129,867	129,013	856
E. N. Central	8,168	5,955	1,708,211	1,823,359	117,259	117,730	385,595	345,842	331,216	14,626
Ohio	2,551	1,767	420,642	453,238	25,743	25,169	83,063	69,963	66,075	3,888
Indiana	1,648	1,218	97,681	86,307	7,399	7,044	41,971	33,679	26,401	7,278
Illinois	2,490	1,980	806,567	881,819	63,817	65,311	194,267	188,199	185,692	2,507
Michigan [2]	832	990	269,324	401,994	12,896	20,206	37,936	54,001	53,047	954
Wisconsin [2]	646		114,007		7,404		27,758			
W. N. Central	3,228	2,614	401,815	360,451	34,188	29,109	122,072	97,899	92,467	5,432
Minnesota	630	588	121,041	115,744	9,387	8,953	29,403	25,236	25,203	32
Iowa	872	825	32,160	30,095	2,652	2,349	15,881	15,058	10,174	4,884
Missouri	1,028	791	208,052	187,114	18,660	15,392	61,094	49,121	49,091	30
North Dakota [2]	20	169	1,331	26,862	2,646	2,289	737	6,962	6,946	16
Nebraska [2]	176		30,119				7,911			
Kansas	502	241	9,203	635	843	125	7,046	1,523	1,053	469
South Atlantic	2,764	2,015	416,799	419,083	32,931	30,756	119,933	95,847	91,198	4,650
Delaware and Dist. of Columbia [2]	268	713	99,494	242,693	19,510	19,145	19,765	47,155	47,092	63
Maryland [2]	639		121,924				34,154			
Virginia	488	334	62,607	58,945	3,871	3,394	17,782	13,314	13,086	228
West Virginia	380	302	32,545	37,511	2,527	2,659	11,934	9,311	9,267	44
North Carolina [2]	125	549	13,946	59,490	913	4,448	5,641	20,406	16,092	4,314
South Carolina [2]	310		5,954		395		6,283			
Georgia [2]	354		52,279		4,057		15,885			
Florida	199	117	28,051	20,444	1,658	1,110	8,487	5,662	5,662	
E. S. Central	1,182	724	172,367	149,207	11,880	9,948	47,455	33,607	33,574	33
Kentucky [2]	443	431	68,547	93,065	4,879	6,068	17,496	19,971	19,956	15
Mississippi [2]	27		1,615		101		1,172			
Alabama [2]	304		40,101		2,450		12,530			
Tennessee	409	293	62,104	56,142	4,450	3,880	16,248	13,635	13,618	18
W. S. Central	1,500	1,029	180,443	144,265	13,301	9,986	59,200	52,733	49,810	2,923
Arkansas [2]	112	194	13,725	72,442	794	4,836	5,138	12,430	12,430	
Louisiana [2]	201		67,958		4,819		13,509			
Oklahoma	310	325	10,994	9,472	1,040	814	7,548	5,337	3,909	1,428
Texas	878	510	87,765	62,351	6,648	4,336	33,005	34,965	33,470	1,495
Mountain	1,004	852	55,464	48,216	4,613	3,913	21,404	20,676	12,730	7,946
Montana, Colorado, and Arizona [2]		456		42,622		3,351		15,817	10,800	5,017
Montana	190		3,757		237		2,344			
Colorado	308		34,063		2,834		10,639			
Arizona [2]	506	396	17,644	5,594	1,542	562	8,421	4,859	1,930	2,929
Utah [2]										
Pacific	4,334	3,847	622,915	658,711	41,263	41,288	155,544	140,087	130,233	9,853
Washington [2]	781	873	71,429	82,190	5,385	7,303	23,558	29,608	27,924	1,683
Oregon [2]	545		45,334		3,189		15,165			
California	3,008	2,974	506,152	576,521	32,689	33,985	116,821	110,479	102,309	8,170

[1] Including pay transfers.
[2] Except for track mileage, data were combined to avoid disclosing individual operations.

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

No. 486.—Electric Railways—Income Account of Operating Companies: 1922 to 1937

Note.—See headnote, table 483.

[All figures except percentages in thousands of dollars]

	All companies				Surface lines	
	1922	1927	1932	1937	1932	1937
Gross operating revenue	1,009,747	921,230	996,309	864,016	877,189	778,108
Railway operations	925,477	918,869	[1] 566,290	513,129	447,169	427,221
Transportation, total	895,019	882,531	539,061	497,079	(2)	416,767
Passenger	854,663	834,601	518,060	471,065	408,431	391,918
All other	40,357	47,930	21,001	26,015	(2)	24,849
Miscellaneous	30,458	36,338	26,629	16,049	(2)	10,454
Auxiliary operations [3]	84,269	2,361	430,019	350,887	430,019	350,887
Operating expenses, total	720,823	687,933	680,581	643,360	801,857	585,824
Railway operating expenses	678,563	686,638	[1] 442,607	406,119	363,883	348,583
Way and structures	102,063	96,285	61,000	60,510	48,674	51,510
Equipment	87,237	92,865	55,921	52,267	43,993	43,513
Power	107,246	98,602	70,647	61,119	56,420	49,464
Conducting transportation	286,690	294,322	186,515	173,516	154,633	150,695
All other	95,388	104,564	68,524	58,707	60,163	53,401
Auxiliary operations [3]	42,260	1,295	237,974	237,242	237,974	237,242
Ratio of expenses to revenue (percent)	71.4	74.7	68.3	74.5	68.6	75.3
Net operating revenue	288,924	233,297	315,728	220,656	275,331	192,284
Taxes	64,788	57,809	40,670	40,400	33,416	32,965
Operating income	224,136	175,488	275,058	180,255	241,915	159,319

[1] Figures for 1932 not strictly comparable with those for 1937 because of the inclusion for 1932, and the exclusion for 1937 of a small amount of data for trolley-bus operations.
[2] Not available.
[3] Represents principally the operations of such utilities as light, power, gas, heat, and water, except for 1927, when only the incidental sales of such service are included. Does not include motorbus or trolley-bus operations of street railways.

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

No. 487.—Electric Railways—Receiverships and Trusteeships: 1910 to 1938

Year	Receiverships or trusteeships instituted				Terminated under foreclosure				
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities		Receivers' certificates
			Stock	Bonds			Stock	Bonds	
			Dollars	*Dollars*			*Dollars*	*Dollars*	*Dollars*
1910	11	697	12,629,400	75,490,735	22	724	19,106,613	26,374,075	(1)
1913	18	343	31,006,900	47,272,200	17	302	15,243,700	19,094,500	(1)
1914	10	362	35,562,550	19,050,460	11	181	26,239,700	44,094,241	(1)
1915	27	1,163	40,557,950	39,036,100	19	308	30,508,817	16,759,997	(1)
1916	15	350	14,119,168	11,434,708	19	430	13,895,400	22,702,300	(1)
1917	21	1,288	33,597,305	33,344,800	26	745	27,281,900	27,313,045	(1)
1918	29	2,106	92,270,779	172,015,103	23	524	37,740,325	20,149,384	(1)
1919	51	3,856	209,424,110	305,760,151	29	2,675	89,893,400	79,836,738	42,300
1920	19	1,055	36,467,105	67,755,850	13	260	7,782,400	11,227,328	52,000
1921	18	954	31,714,450	34,252,550	13	778	33,642,255	30,863,526	5,000
1922	14	702	17,596,050	25,100,800	13	323	7,491,500	12,640,600	14,683
1923	12	333	6,760,100	13,255,300	15	927	118,077,959	110,638,250	12,265,000
1924	13	1,164	30,355,585	40,290,355	14	869	21,022,800	34,845,535	3,440,388
1925	13	1,129	36,291,045	48,632,084	13	569	18,074,300	18,329,555	53,000
1926	16	1,281	16,871,390	117,743,311	28	1,291	20,054,700	57,340,363	214,000
1927	12	567	16,895,523	20,202,816	16	941	53,345,000	78,445,100	3,140,000
1928	8	396	8,467,200	15,014,400	8	1,004	26,084,325	40,683,400	168,150
1929	5	500	39,035,000	36,373,900	10	510	18,472,995	21,173,700	285,359
1930	15	1,765	79,647,700	97,442,081	8	1,055	36,254,965	44,564,000	----------
1931	16	1,526	40,782,922	45,155,383	12	845	38,206,600	19,769,600	50,000
1932	20	1,932	176,333,850	392,719,308	6	347	10,685,000	12,609,800	----------
1933	10	1,736	39,773,300	119,298,196	8	405	9,575,405	16,346,700	7,500
1934	5	246	3,887,600	7,217,100	6	329	13,685,100	19,563,000	----------
1935	11	[2] 939	42,681,037	70,371,343	10	[3] 861	32,517,800	91,512,071	----------
1936	6	[2] 167	6,241,625	25,688,500	12	[3] 882	34,965,637	29,742,515	----------
1937	2	[2] 111	4,563,520	3,026,000	4	[3] 138	2,492,400	25,492,420	----------
1938	5	[2] 669	33,495,700	50,188,000	10	[3] 633	17,478,250	14,382,473	480,000

[1] Not available.
[2] Mileage of bus routes: 1935, 1,459 miles; 1936, 39 miles; 1937, 39 miles; 1938, 226 miles. Not available for years prior to 1935.
[3] Mileage of bus routes: 1935, 234 miles; 1936, 555 miles; 1937, 12 miles; 1938, 186 miles. Not available for years prior to 1935.

Source: McGraw-Hill Publishing Co. Inc., New York, N. Y.; Transit Journal, Annual Statistical Number.

No. 488.—Electric Railways—Summary for Elevated and Subway Lines [1]: 1912 to 1937

	1912	1917	1922	1927	1932	1937
Number of companies	7	7	7	[2] 4	7	4
Miles of track [3]	517.8	666.1	857.9	870.9	1,028.4	786
Number of cars	5,706	6,801	8,096	8,654	12,645	8,849
Passengers carried (thousands)	1,004,823	1,274,652	1,745,167	2,222,586	2,039,445	1,584,978
Revenue passengers, including pay transfer	991,062	1,262,509	1,743,284	2,220,794	2,033,618	1,582,942
Revenue car mileage (thousands)	219,375	247,199	303,346	377,213	396,880	322,794
Average number of revenue passengers:						
Per mile of all track [4]	1,913,950	2,112,349	2,229,719	2,858,422	2,092,587	2,402,036
Per passenger-car hour	(5)	(5)	91	94	(5)	79
Salaried employees:						
Number	907	1,937	1,372	1,471	1,812	2,351
Salaries (thousands of dollars)	1,398	2,648	3,008	3,877	4,525	5,752
Wage earners:						
Number	19,098	26,835	26,007	27,955	29,982	19,985
Wages (thousands of dollars)	13,867	22,093	40,988	47,283	50,462	33,288

[1] Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group. [2] Four companies were consolidated and treated as one company in 1927.
[3] Includes a minor amount of surface trackage.
[4] Average for 1912 based on all track exclusive of idle track and freight and switching roads; for 1917, 1922, and 1927, on running track exclusive of idle track and freight and switching roads; for 1932 and 1937, on total main track. [5] No data.

No. 489.—Electric Railways—Mileage of Elevated Track and Subway and Tunnel Track, by States: 1917 to 1937

Note.—Figures given in this table cover all tracks, each track of a double or multiple line being counted separately.

Class of trackage and State	1917	1922	1927	1932	1937
Elevated, total	497	602	634	638	709
New York	297	363	373	380	406
Illinois	147	164	179	179	230
Pennsylvania	17	33	32	32	36
Massachusetts	26	30	36	40	29
New Jersey	4	4	4	4	4
Missouri	3	3	------	------	------
Washington	------	3	8	------	2
Maryland	1	1	1	1	------
California	1	1	1	1	1
Kansas	1	------	------	------	------
Minnesota	------	------	------	1	------
Indiana	------	------	------	------	1

Class of trackage and State	1917	1922	1927	1932	1937
Subways and tunnels, total	219	326	342	510	729
New York [1]	163	269	282	357	563
Massachusetts	25	27	29	31	45
New Jersey [1]	13	13	13	13	11
Pennsylvania	9	8	9	38	43
California	5	5	6	8	8
Illinois	2	2	2	61	58
All other States [2]	2	2	1	2	1

[1] Figures for New Jersey include 11 miles owned and operated by a New York company.
[2] Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Rhode Island, Minnesota, and Missouri, 1922; Minnesota, Missouri, Rhode Island, and Washington, 1927; Minnesota, Missouri, Montana, Rhode Island, and Washington, 1932; Rhode Island, 1937.

Source of tables 488 and 489: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

No. 490.—Electric Railways—Financial Summary for Elevated and Subway Lines: 1912 to 1937

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

Account	1912	1917	1922	1927	1932	1937
Income from all sources	55,246	70,213	108,483	132,135	121,612	85,908
Operating revenues	52,239	68,537	105,862	129,020	119,120	85,908
Operating expenses	23,613	31,669	67,660	78,202	78,723	57,536
Net operating revenue	28,626	36,868	38,202	50,817	40,397	28,372
Taxes of operating companies	3,501	5,136	6,441	8,215	7,253	7,435
Operating income	25,125	31,732	31,761	42,603	33,143	20,937
Miscellaneous income	3,008	1,676	2,621	3,115	2,492	(2)
Gross income	28,133	33,408	34,382	45,718	35,635	21,762
Deductions from gross income	18,902	21,347	34,856	33,907	34,036	26,954
Interest	9,654	10,442	19,225	23,270	26,451	(3)
Miscellaneous	9,248	10,905	15,631	10,637	7,585	(3)
Net income	9,231	12,061	[1] *474*	11,811	1,599	[1] *5,192*
Dividends	8,530	10,087	----------	6,250	(3)	(3)
Surplus	701	1,974	[1] *474*	5,561	(3)	(3)

[1] Deficit. [2] None reported. [3] No data.

No. 491.—Trolley-Bus Lines—Summary: 1932 and 1937

	1932 [1]	1937
Number of companies [1]	16	36
Miles of route (round trip)	244	1,447
Miles of street or highway served (one way)	118	685
Number of trolley busses operated	247	1,655
Passengers, total number (thousands)	34,350	303,055
Revenue, including pay-transfer	29,721	251,403
Free, including free-transfer	4,629	51,652
Revenue trolley-bus miles (thousands)	8,703	49,450
Revenue passengers per revenue mile (average number)	3.4	5.1
Wage earners, number [2]	334	3,193
Wages (thousands of dollars)	551	4,799
Salaried employees, number (average of number reported on June 30 and Dec. 31)	(3)	587
Salaries (thousands of dollars)	(3)	1,031
Accidents:		
Fatalities, number	(3)	28
Injured, number	(3)	4,296
Operating revenues, total	(3)	14,851
Transportation revenues	(3)	14,758
Other revenues	(3)	93
Operating expenses, total	(3)	11,108
Way and structures and equipment	(3)	3,411
Power	(3)	1,522
Conducting transportation	(3)	4,467
General and other	(3)	1,708
Net operating revenues (trolley-bus)	(3)	3,743
Auxiliary operations: [4]		
Revenues	(3)	20,841
Expenses	(3)	15,176
Net operating revenue	(3)	5,665
Taxes assignable to trolley-bus operations	(3)	932
Operating income	(3)	8,477
Nonoperating income	(3)	58
Gross income	(3)	8,535
Net income	(3)	5,854

[1] See headnote. [2] Number on pay roll as of June 30 for 1932; average of number on pay roll as of June 30 and Dec. 31 for 1937. See also headnote.
[3] No separate data; included with data for street-railway operations.
[4] Auxiliary operations consist essentially of sale of electric energy and gas. On basis of relative volume of expenses and revenues, trolley-bus transportation activities were secondary.

Source of tables 490 and 491: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations.

No. 492.—Motorbus Lines—Summary for Lines Operated by Electric Railways and by Subsidiary and Successor Companies: 1927, 1932, and 1937

	1927	1932	1937				
			Total	Operated by—			
				Electric railway companies	Subsidiary companies	Successor companies	All other [1]
Number of companies	301	498	988	143	48	282	515
Number of routes operated	1,583	3,613	4,068	1,756	368	1,388	1,156
Miles of route (round trip)	29,267	77,897	95,537	24,557	10,156	23,576	37,248
Miles of street or highway served (1 way)	14,299	30,652	45,095	11,243	4,819	11,269	17,764
Number of busses, total	8,277	15,064	28,056	12,910	2,638	6,763	5,745
Owned	7,818	14,076	26,956	12,254	2,567	6,501	5,634
Leased	459	988	1,100	656	71	262	111
Single-deck	7,745	14,486	27,041	12,752	2,423	6,705	5,161
Double-deck	532	578	1,015	158	215	58	584
Number of motor busses required for normal day:							
Base schedule:							
Summer	(2)	(2)	13,295	4,959	1,078	3,783	3,475
Winter	(2)	(2)	13,670	5,186	1,079	3,906	3,499
Peak schedule:							
Summer	(2)	(2)	21,316	9,415	1,888	5,370	4,643
Winter	(2)	(2)	22,866	10,481	2,007	5,703	4,675
Number of passengers carried (thousands)	875,402	1,302,318	3,363,229	1,614,617	273,529	891,390	583,693
Revenue passengers	771,806	1,135,500	2,889,054	1,306,718	240,527	795,686	546,124
Pay-transfer passengers	12,453	12,162	57,992	11,238	12,700	25,713	8,342
Free-transfer passengers	85,235	143,729	392,178	283,305	18,262	63,650	26,960
Free passengers (estimated)	5,907	10,928	24,005	13,356	2,040	6,341	2,267
Number of bus-miles (thousands)	272,518	499,025	967,435	424,549	91,038	244,373	207,475
Revenue miles	270,483	494,922	958,769	420,087	90,165	243,059	205,458
Nonrevenue miles	2,035	4,103	8,666	4,462	872	1,314	2,017
Number of bus-hours (thousands)	24,927	43,308	87,442	30,408	7,671	22,624	17,739
Revenue hours	24,571	42,760	86,251	38,817	7,445	22,497	17,492
Nonrevenue hours	356	548	1,191	591	226	126	248
Number killed or died from injuries	108	95	174	85	11	46	32
Number injured but not killed	10,082	11,820	41,015	21,222	3,925	9,326	6,542
INCOME STATISTICS (thousands of dollars)							
Operating revenues	68,121	99,884	219,521	94,599	22,587	55,066	47,270
Transportation revenues	67,253	98,329	217,573	93,801	22,149	54,719	46,904
Miscellaneous	868	1,555	1,947	797	437	347	365
Operating expenses	65,771	94,618	182,301	78,547	20,079	44,044	39,632
Maintenance of plant and equipment	23,717	30,134	51,796	21,580	6,202	12,887	11,127
Operation	36,056	54,037	101,530	45,570	11,429	23,519	21,012
General expense including traffic promotion	5,998	9,847	28,975	11,397	2,448	7,638	7,493
Net operating revenue, motorbus lines	2,349	5,266	37,220	16,052	2,507	11,022	7,638
Net revenue from auxiliary operations	[3] *231*	4	6,311	(4)	--------	6,267	44
Total net revenues, motorbus and auxiliary	2,119	5,270	43,531	16,052	2,507	17,290	7,682
Taxes	2,880	6,024	20,142	7,650	1,946	5,698	4,849
Operating income, motorbus and auxiliary	[3] *761*	[3] *755*	23,389	8,402	562	11,592	2,833
Nonoperating income	295	545	1,763	120	46	1,039	558
Gross income	[3] *466*	[3] *209*	25,152	8,522	608	12,631	3,391
Deductions from gross income	1,707	2,676	10,865	2,452	874	6,386	1,153
Net income	[3] *2,173*	[3] *2,385*	14,287	6,070	[3] *267*	6,245	2,238
Number of employees	16,633	30,514	58,416	26,735	5,357	14,589	11,735
Salaried employees	2,333	3,896	7,951	3,831	611	1,893	1,616
Wage earners	14,300	26,618	50,465	22,904	4,746	12,696	10,119
Salaries and wages (thousands of dollars)	27,564	43,512	92,679	43,435	8,693	21,894	18,658
Salaries	3,340	6,439	15,354	6,800	1,126	3,722	3,706
Wages	24,224	37,072	77,325	36,635	7,566	18,172	14,951

[1] Includes data for affiliates of trolley-bus systems and for motorbus systems not affiliated with, subsidiary to, or successors to street-railway systems in cities with population of 100,000 inhabitants or over.
[2] No data.
[3] Deficit
[4] Included in consolidated balance sheets of reports for operating street railways. See table 486.

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

No. 493.—Motorbus Lines—Mileage and Passenger Traffic, by States: 1932 and 1937

Division and State	Miles of route (round trip)		Miles of street or highway served (one way)		Revenue passengers carried [1] (number in thousands)		Revenue motorbus miles (thousands)	
	1932	1937	1932	1937	1932	1937	1932	1937
United States	77,897	95,537	36,652	45,095	1,147,662	2,947,046	494,922	958,769
New England	9,399	16,527	4,206	6,796	162,134	349,350	58,350	113,584
Maine	287	478	147	239	277	1,124	546	906
New Hampshire and Vermont [2]	[3] 3,118	719	[3] 1,389	364	[3] 25,007	3,523	[3] 9,731	2,305
Massachusetts	4,494	10,494	2,085	4,065	107,520	232,881	35,877	68,262
Rhode Island	([4])	2,008	([4])	994	([4])	24,049	([4])	10,884
Connecticut	1,500	2,828	585	1,134	29,331	87,774	12,196	31,228
Middle Atlantic	23,215	29,721	10,530	14,550	545,543	1,354,262	176,254	338,858
New York	5,551	10,103	2,706	4,919	190,175	799,129	52,262	153,987
New Jersey	5,813	8,648	1,942	4,286	280,242	389,655	78,382	111,629
Pennsylvania	11,851	10,970	5,882	5,345	75,127	165,477	45,611	73,241
East North Central	17,059	21,447	8,075	10,370	191,555	506,900	107,629	193,984
Ohio	4,615	8,260	2,239	4,089	74,266	141,529	35,294	52,771
Indiana	2,211	3,174	1,061	1,575	17,113	37,040	13,556	21,458
Illinois	3,412	4,052	1,720	1,912	23,643	150,709	15,979	49,222
Michigan	3,457	3,667	1,560	1,719	48,980	116,486	30,909	52,798
Wisconsin	3,364	2,294	1,495	1,075	27,554	61,137	11,891	17,736
West North Central	9,609	3,080	4,823	1,524	44,014	126,250	29,720	55,881
Minnesota	1,049	420	542	196	7,085	11,552	5,605	6,315
Iowa	5,766	883	2,876	439	8,472	19,079	7,312	9,143
Missouri	1,855	975	933	489	16,123	71,269	8,318	29,566
North Dakota, South Dakota, and Nebraska [2]	197	311	100	154	5,449	8,696	3,622	4,440
Kansas	742	491	372	246	6,885	15,653	4,863	6,416
South Atlantic	6,093	10,094	2,657	4,665	75,891	210,552	38,947	84,831
Delaware and District of Columbia [2]	356	1,431	208	429	10,270	50,719	5,969	15,143
Maryland	2,271	2,034	798	1,030	12,095	22,049	6,510	10,607
Virginia	556	1,543	243	638	36,438	56,201	12,856	21,649
West Virginia	173	589	93	306	1,443	13,151	1,049	5,217
North Carolina	2,031	2,297	942	1,149	5,182	20,337	5,097	10,320
South Carolina	92	288	46	137	2,071	8,458	1,368	3,288
Georgia	350	956	183	479	5,030	16,907	3,555	6,685
Florida	264	956	144	497	3,363	22,730	2,543	11,922
East South Central	5,078	1,678	2,564	832	11,877	68,414	11,969	21,688
Kentucky	177	529	88	255	4,878	16,535	2,586	5,324
Tennessee	336	750	193	379	3,336	26,851	2,324	9,380
Alabama	46	205	25	102	836	16,387	710	4,188
Mississippi	4,519	194	2,258	96	2,826	8,641	6,349	2,795
West South Central	2,989	3,074	1,538	1,506	43,846	140,043	29,259	62,396
Arkansas	216	104	112	53	9,605	5,219	4,221	2,433
Louisiana		276		142		25,061		7,603
Oklahoma	766	556	382	275	8,498	23,723	7,003	8,435
Texas	2,007	2,138	1,044	1,036	25,743	86,041	18,035	43,925
Mountain	1,330	2,146	675	1,085	9,395	27,843	6,335	12,194
Montana	74	882	40	441	1,901	2,531	842	1,316
Idaho, Wyoming, and New Mexico [2]	[5] 67	113	[5] 34	71	1,298	3,075	878	1,525
Colorado	827	332	411	171	3,901	4,833	3,135	3,278
Arizona	362	196	190	98	2,297	4,347	1,481	1,783
Utah and Nevada [2]		623		304		13,057		4,292
Pacific	3,125	7,770	1,584	3,767	63,405	163,433	36,458	75,355
Washington	1,474	1,767	776	881	10,181	34,531	10,468	19,853
Oregon	245	1,631	121	811	8,827	13,195	4,501	8,265
California	1,406	4,372	687	2,075	44,398	115,706	21,400	47,236

[1] Including pay transfers.
[2] Combined to avoid disclosing individual operations.
[3] Includes data for Rhode Island.
[4] Included with New Hampshire and Vermont.
[5] None reported for New Mexico.

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

No. 494.—Motorbus Lines—Summary for Public Carriers and Private Carriers: 1933 to 1938

Note.—Figures for 1937 for revenue bus-miles, revenue passengers, gross revenue, investment in plant and equipment, number of employees, and total taxes and fees have been revised in keeping with actual operating revenues. Figures for earlier years have not been so revised.

	1933	1934	1935	1936	1937	1938
PUBLIC CARRIER (REVENUE) OPERATIONS						
Number of operating companies	5,200	5,024	4,700	4,780	4,155	4,037
Owned by:						
Motor carriers [1]	4,920	4,754	4,432	4,520	3,913	3,765
Electric railways	220	199	206	188	177	177
Steam railroads	60	71	62	63	65	65
City	850	805	800	815	730	746
Intercity	4,096	3,904	3,570	3,600	3,000	2,848
Sightseeing and irregular	254	315	330	365	425	413
Number of busses	45,000	43,000	45,000	49,000	51,500	51,500
Owned by:						
Motor carriers [1]	33,280	29,990	30,650	34,400	36,000	31,700
Electric railways	11,000	11,600	12,600	12,850	13,700	18,000
Steam railroads	720	1,410	1,750	1,750	1,800	1,800
City	16,500	17,580	19,250	22,000	24,500	29,200
Intercity	26,314	22,820	23,750	24,750	24,750	20,000
Sightseeing and irregular	2,186	2,600	2,000	2,250	2,250	2,300
Miles of highway covered	[2] 410,000	[2] 401,665	395,774	395,800	393,350	385,868
On lines owned by:						
Motor carriers	381,150	361,795	335,000	338,000	334,680	325,368
Electric railways	17,000	16,420	15,520	13,800	14,170	15,500
Steam railroads	11,850	23,450	45,254	44,000	44,500	45,000
City	17,442	19,665	24,000	24,750	22,300	27,812
Intercity	364,676	354,000	346,774	345,050	345,050	358,056
Sightseeing and irregular	27,882	28,000	25,000	26,000	26,000	(3)
Revenue bus-miles (millions)	1,521	1,544	1,813	2,042	1,888	2,289
City	547	595	691	750	811	1,019
Intercity	930	895	1,085	1,250	1,027	1,257
Sightseeing and irregular	44	54	38	42	50	13
Revenue passengers (millions)	1,672	2,203	2,501	3,076	3,293	3,965
City	1,323	1,809	2,084	2,571	2,737	3,249
Intercity	329	378	415	500	552	712
Sightseeing and irregular	20	15	2	5	3	4
Gross revenue (thousands of dollars)	283,190	310,600	393,046	466,708	384,860	465,950
City	98,619	131,200	145,596	183,708	186,340	222,610
Intercity	176,580	171,200	239,950	275,000	190,100	234,510
Sightseeing and irregular	8,000	8,200	7,500	8,000	8,420	8,830
Investment in plant and equipment [4] (thousands of dollars)	331,585	362,235	407,817	446,280	459,030	482,730
Number of employees	85,578	94,532	106,831	115,680	112,239	118,342
Total taxes and fees (thousands of dollars)	37,500	37,280	40,375	43,601	[5] 38,937	[5] 49,530
Special taxes and fees [6]	33,470	33,300	35,625	38,476	(3)	(3)
General taxes [7]	4,030	3,980	4,750	5,126	(3)	(3)
PRIVATE CARRIER (NONREVENUE) OPERATIONS						
Number of operating agencies	23,900	24,100	28,740	32,450	35,150	36,850
School	23,400	23,600	28,240	31,950	34,650	36,350
Others	500	500	500	500	500	500
Number of busses operated	61,500	65,130	72,850	74,900	79,100	81,100
School	60,300	64,130	71,850	73,900	78,100	80,100
Others	1,200	1,000	1,000	1,000	1,000	1,000
Miles of route operated	692,000	706,600	929,000	994,000	1,024,000	1,229,000
School	688,000	702,600	925,000	990,000	1,020,000	1,225,000
Others	4,000	4,000	4,000	4,000	4,000	4,000
Passengers carried (millions)	437	524	594	640	656	690
School	427	514	584	630	646	680
Others	10	10	10	10	10	10

[1] Common carriers and sightseeing carriers.
[2] Miles of route operated (one way). Includes slight duplication resulting from use of same highway by more than one company.
[3] Not available. [4] Rolling stock only. [5] Does not include income and excess-profits taxes.
[6] All taxes paid as users of the highway and as operators of motor vehicles; includes excise taxes levied under Revenue Acts of 1932 and 1934.
[7] All taxes paid as citizens and businesses in general.

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

No. 495.—Civil Aeronautics—Summary: 1930 to 1938

Item	1930	1932	1934	1936	1937	1938
SCHEDULED AIR TRANSPORT OPERATIONS						
Services in operation Dec. 31 [1]	122	136	98	110	108	139
Miles of all airways in operation Dec. 31	49,549	48,530	50,801	61,532	63,056	71,199
Domestic [2]	29,887	28,550	28,084	28,874	31,084	35,492
Foreign and territorial [2]	19,662	19,980	22,717	32,658	32,572	35,707
Airplanes in service and reserve Dec. 31:						
Number	600	564	518	380	386	345
Domestic [2]	497	456	417	272	282	253
Foreign and territorial [2]	103	108	101	108	104	92
Value (thousands of dollars) [3]	11,490	8,763	10,500	15,200	19,500	21,500
Total personnel employed Dec. 31 [1] [4]	3,475	5,610	6,477	9,995	11,592	13,309
Pilots and copilots employed	675	717	759	1,241	1,357	1,425
Airplane-miles flown, all operators (thousands)	36,945	51,172	49,065	73,612	77,403	81,058
Domestic [2]	31,993	45,606	40,955	63,777	66,072	69,669
Foreign and territorial [2]	4,953	5,566	8,109	9,835	11,332	11,389
Airplane-miles flown daily, average for the year [1]	101,220	139,542	133,662	201,017	210,948	222,077
Passengers carried	417,505	547,560	572,265	1,166,043	1,289,735	1,536,111
Domestic [2]	374,935	474,279	461,743	1,020,931	1,102,707	1,343,427
Foreign and territorial [2]	42,570	73,281	110,522	145,112	187,028	192,684
Average passenger-mile rate (domestic)	$0.083	$0.061	$0.059	$0.057	$0.056	$0.057
Express and freight carried [5] (thousands of pounds)	469	1,672	3,482	8,414	8,984	9,453
Domestic [2]	360	1,034	2,133	6,959	7,127	7,336
Foreign and territorial [2]	109	639	1,349	1,455	1,857	2,117
Miles of mail airways Dec. 31 [1]	41,501	45,436	46,003	51,740	57,480	63,292
Airplane-miles flown with mail [1] (thousands)	19,904	36,053	[6] 27,340	44,028	46,897	54,660
Mail carried by contractors (thousands of pounds)	8,514	7,909	7,872	18,324	(7)	(7)
Domestic [2] [8]	7,985	7,393	7,411	17,706	(7)	(7)
Foreign and territorial [2]	529	515	461	618	714	785
Mail income to contractors (thousands of dollars)	20,016	26,234	[9] 15,722	19,724	21,294	23,642
Domestic [2] [8]	14,703	19,294	[9] 8,804	12,434	13,100	15,041
Foreign and territorial [2]	5,313	6,940	6,918	7,291	8,194	8,601
MISCELLANEOUS [10]						
Airplane-miles flown, miscellaneous flying operations (thousands)	108,270	78,179	75,602	93,320	102,996	129,359
Miles airways lighted by Civil Aeronautics Authority	15,258	19,500	19,081	22,245	22,319	23,723
Miles of airway lighting under construction by Civil Aeronautics Authority	3,221	----------	3,048	----------	945	1,849
Beacons, revolving and flashing (federally operated)	1,652	1,988	1,520	1,918	1,969	1,967
Beacons, privately owned and certified	140	228	310	410	466	530
Radio broadcast stations	45	61	71	80	83	91
Radio range beacon stations	33	68	112	146	167	225
Radio marker beacons	6	74	84	57	55	48
Weather reporting airway and airport stations [11]	143	234	206	213	271	346
Weather Bureau first-order stations	209	216	185	182	198	182
Commercial and private airports	564	645	618	525	492	528
Municipal airports	550	549	702	738	764	791
Intermediate landing fields—Civil Aeronautics Authority—						
Lighted	347	337	250	284	278	265
Unlighted	7	15	9	12	5	2
Auxiliary airports—marked	240	476	580	622	602	628
Army, Navy, Marine Corps, National Guard, Reserve, and miscellaneous airports	74	95	138	161	158	160
Pilots licensed (active), airplane [12]	15,280	18,594	13,949	15,952	17,681	22,983
Airplanes licensed (active) [12]	7,354	7,330	6,339	7,424	9,152	10,000

[1] Domestic, foreign and territorial; see note 2.
[2] Domestic scheduled air lines operate within continental limits of the United States; foreign and territorial operations cover activities of American air lines in foreign countries and territories of the United States. [3] Estimated. [4] Includes office personnel beginning 1932.
[5] Not including express and freight privately carried.
[6] Includes 1,719,919 airplane-miles flown by Army Air Corps. [7] Data not available.
[8] The mail pound-miles flown and mail-payment statistics of Inter Island Airways, Ltd., are included with the domestic mail pound-miles and mail payments as this company holds a domestic air mail contract. All other statistics for this carrier are included with the figures for foreign and territorial operations.
[9] Includes $2,249,004 paid to Army Air Corps.
[10] All data, except airplane-miles flown, are as of Dec. 31; figures, except as noted, cover the domestic field only. [11] Long line teletypewriter equipped.
[12] Pilots and airplanes licensed by the American Government; figures include some pilots and airplanes operating on foreign extensions.

Source; United States Civil Aeronautics Authority; figures published in October 1939 issue of Air Commerce Bulletin, a monthly publication.

21. WATERWAYS, WATER TRAFFIC, AND SHIPPING

[Data in this section cover the following areas unless otherwise indicated: From Board of Engineers of the United States Army, Bureau of Customs, and Bureau of Foreign and Domestic Commerce, United States customs area which includes Alaska, Hawaii, and Puerto Rico, and, beginning Jan. 1, 1935, Virgin Islands; from United States Maritime Commission, continental United States]

General note as to units of measurement.—"Cargo tonnage" represents weight of cargo in long tons (2,240 pounds) or short tons (2,000 pounds). All other tonnage figures refer to capacity of vessels. The terms gross and net tonnage refer to space measurement, 100 cubic feet being called 1 ton. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers or crew, with certain minor exemptions. Net or registered tonnage is what remains after deducting from the gross tonnage the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety. Displacement tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

No. 496.—Water-Borne Commerce of the United States—Cargo Tonnage, Foreign and Domestic: 1932 to 1937

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

	1932	1933	1934	1935	1936	1937
Foreign commerce, total	70,429	69,467	77,898	81,640	90,247	114,413
Imports, through seaports	29,843	27,671	30,553	33,943	37,507	43,704
Exports, through seaports	30,039	31,197	33,570	33,922	37,154	52,910
Imports, Great Lakes ports	3,072	3,034	4,287	4,716	5,423	4,102
Exports, Great Lakes ports	7,475	7,565	9,488	9,059	10,163	13,637
Domestic commerce, unadjusted total	319,870	377,777	403,027	461,632	559,614	630,620
Coastwise, between ports	94,434	110,346	113,240	115,442	132,367	149,417
Great Lakes, between ports	39,544	69,240	71,795	83,748	115,398	135,399
Local traffic of seaports and Great Lakes ports [1]	57,929	57,993	64,744	80,474	91,443	94,672
Traffic between seaports and river points	24,134	23,244	31,179	31,829	40,919	51,682
Traffic on rivers, canals, and connecting channels [2]	103,829	116,954	122,069	150,139	179,487	199,450
Foreign and domestic, unadjusted total	390,299	447,244	480,925	543,271	649,861	745,033
Deduction of duplications:						
Traffic between seaports and river points	24,134	23,244	31,179	31,829	40,919	51,682
Other duplications (canals, etc.) [3]	23,676	29,896	35,438	58,111	83,100	110,251
Net total, foreign and domestic	342,489	394,104	414,308	453,331	525,842	583,100
Approximate net total, domestic [4]	272,060	324,637	336,410	371,692	435,595	468,687

[1] Comprises the following with figures for 1937: Harbor traffic of New York, Philadelphia, and San Francisco, 41,615,000; local traffic of other seaports, 45,100,000; local traffic of lake ports, 7,957,000.

[2] Excluding St. Marys Falls Canal traffic (87,634,000 tons in 1937) and additional Detroit River traffic (26,203,000 tons in 1937), data for which are already included in figures for Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.

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

[4] Estimated from figures in this table on assumption that all deductions represent duplications in domestic traffic. There are, however, some minor duplications in figures for foreign traffic.

Source: War Department, United States Army, Office of Chief of Engineers; Annual Report, Part II.

No. 497.—Commerce of Principal United States Ocean Ports: 1937

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

Port	Imports	Exports	Coastwise	
			Receipts	Shipments
Grand total	**43,764**	**52,910**	**145,373**	**153,461**
Atlantic ports	**33,885**	**16,459**	**99,662**	**41,600**
Searsport, Maine	21	37	422	23
Portland, Maine	352	155	2,368	379
Portsmouth, N. H.	65	------	287	6
Boston Harbor, Mass.	2,678	473	12,614	1,179
Beverly, Mass.	28	------	509	52
Salem, Mass.	------	------	473	------
Lynn, Mass.	56	------	316	------
New Bedford and Fairhaven, Mass.	(1)	(1)	695	39
Fall River, Mass.	31	------	1,335	302
Providence, R. I.	259	51	4,710	570
New London, Conn.	21	------	610	107
New Haven, Conn.	28	------	2,999	629
Bridgeport, Conn.	11	------	1,607	233
Norwalk, Conn.	(1)	(1)	320	8
Stamford, Conn.	------	------	462	18
New York Harbor, N. Y.	14,859	8,065	30,892	7,988
Albany, N. Y.	474	160	1,539	180
Hempstead, N. Y.	------	------	298	17
Philadelphia, Pa.[2]	5,294	1,677	18,269	5,308
Wilmington, Del.	174	(1)	256	3
Baltimore, Md.	6,243	1,946	7,137	2,285
Hampton Roads, Va.	1,006	2,399	2,557	19,537
Wilmington, N. C.	226	65	1,187	5
Charleston Harbor, S. C.[3]	578	281	1,361	263
Hollywood Harbor, Fla.	79	134	286	30
Savannah, Ga.	642	444	1,608	628
Jacksonville, Fla.	263	296	1,558	706
Miami, Fla.	43	61	615	102
San Juan, P. R.	315	22	536	263
Ponce Harbor, P. R.	46	(1)	143	135
Gulf ports	**5,977**	**20,942**	**14,140**	**77,555**
Charlotte, Fla.	------	139	6	464
Tampa, Fla.	129	1,131	1,212	1,099
St. Andrews Bay, Fla.	44	36	327	221
Pensacola, Fla.	144	204	117	35
Mobile, Ala.	542	1,086	904	608
New Orleans, La.	3,560	2,656	3,239	3,650
Gulf ports—Con.				
Baton Rouge, La.	372	764	93	3,084
Lake Charles, La.	49	410	40	2,810
Terrebonne Bay, La.	------	------	------	1,634
Galveston, Tex.	295	1,625	636	2,069
Texas City, Tex.	16	787	1,319	5,843
Houston, Tex.	555	4,770	2,302	15,433
Port Aransas, Tex.	------	344	------	7,170
Sabine, Tex.	------	3	------	553
Port Arthur, Tex.	1	3,221	2,344	13,661
Beaumont, Tex.	112	1,759	1,196	14,943
Corpus Christi, Tex.	8	1,706	314	3,787
Brazos Island Harbor, Tex.	1	23	62	313
Pacific ports	**3,903**	**15,509**	**31,571**	**34,305**
San Diego, Calif.	76	7	573	6
Los Angeles, Calif.	846	6,642	5,416	8,241
Estero Bay, Calif.	------	1,237	------	4,903
Ventura, Calif.	------	------	2	1,959
El Segundo, Calif.	------	517	748	1,568
San Luis Obispo, Calif.	------	768	5	1,823
San Francisco Bay, Calif.	1,132	3,197	11,414	5,117
Stockton, Calif.	------	44	77	91
Humboldt, Calif.	------	35	182	116
Long Beach, Calif.	158	467	891	967
Coos Bay, Oreg.	------	278	46	329
Portland, Oreg.	169	630	3,174	839
Hammersley Inlet, Wash.	12	------	167	335
Longview, Wash.	------	127	58	441
Grays Harbor, Wash.	(1)	275	215	512
Willapa, Wash.	1	61	13	202
Port Gamble, Wash.	------	6	90	342
Olympia, Wash.	(1)	25	259	324
Tacoma, Wash.	428	361	844	757
Seattle, Wash.	452	427	3,319	1,237
Everett, Wash.	54	55	582	352
Bellingham, Wash.	6	85	167	356
Port Angeles, Wash.	297	26	186	294
Port Townsend, Wash.	56	------	338	60
Honolulu, Hawaii	99	22	1,318	926
Kahului, Hawaii	3	2	209	263
Hilo, Hawaii	10	14	206	279

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

Source: War Department, United States Army, Office of Chief of Engineers; Annual Report, Part II.

No. 498.—Commerce of Principal Great Lakes Ports: 1934 to 1937

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

Port	Receipts				Shipments			
	1934	1935	1936	1937	1934	1935	1936	1937
Total	**75,341**	**88,522**	**120,507**	**139,207**	**82,023**	**92,749**	**125,579**	**149,329**
Agate Bay, Minn.	80	72	86	206	3,584	3,622	6,212	10,913
Alpena, Mich.	143	145	233	251	1,178	2,003	2,536	2,705
Ashland, Wis.	319	229	546	678	2,561	3,437	5,178	6,329
Ashtabula, Ohio	1,961	3,305	5,034	7,377	4,387	4,309	4,501	4,986
Buffalo, N. Y.	8,902	10,152	13,478	15,394	2,230	2,702	3,160	2,796

No. 498.—Commerce of Principal Great Lakes Ports: 1934 to 1937—Con.

Port	Receipts				Shipments			
	1934	1935	1936	1937	1934	1935	1936	1937
Buffington, Ind	305	169	484	536	18	34	53	39
Calcite, Mich	55	62	96	93	3,208	3,868	5,492	7,308
Charlotte, N. Y. (Rochester)	56	147	145	92	446	409	389	588
Chicago, Ill.[1]	6,098	8,349	11,741	14,539	1,509	866	1,077	1,436
Cleveland, Ohio	5,968	8,346	13,202	14,596	2,627	2,545	2,630	2,691
Conneaut, Ohio	3,691	3,868	7,586	10,791	1,828	2,065	2,563	3,444
Detroit, Mich	8,293	10,676	12,086	13,192	1,069	1,288	1,290	1,273
Duluth-Superior	9,228	8,170	11,774	11,227	16,322	21,015	32,763	45,912
Erie, Pa	1,555	1,573	2,313	3,620	2,432	2,032	2,829	2,702
Escanaba, Mich	279	237	298	309	1,713	2,023	2,654	3,491
Fairport, Ohio	1,555	1,791	1,984	3,213	937	658	789	998
Frankfort, Mich	557	621	640	704	339	417	485	473
Gary, Ind	3,211	5,918	8,423	8,128	24	14	23	72
Green Bay, Mich	1,593	1,581	1,894	2,240	25	7	12	3
Huron, Ohio	448	842	806	1,097	656	365	409	498
Indiana Harbor, Ind	3,520	3,855	4,553	5,715	1,750	2,225	2,320	2,025
Kewaunee, Wis	112	181	242	234	198	215	270	294
Lorain, Ohio	2,705	2,731	3,569	5,110	1,088	1,246	1,451	1,552
Ludington, Mich	742	685	818	801	830	794	1,039	911
Manistee, Mich	132	151	188	191	35	179	603	548
Manitowoc, Wis	782	831	971	846	441	457	507	515
Marblehead, Ohio	----	----	----	----	112	123	466	473
Marquette Harbor, Mich	152	189	173	186	696	668	1,055	971
Menominee, Mich. and Wis	544	536	646	676	119	139	133	136
Milwaukee, Wis	4,837	4,615	5,631	5,299	1,194	1,217	1,310	1,312
Muskegon, Mich	785	964	1,107	1,103	333	397	679	793
Ogdensburg, N. Y	475	367	333	421	232	180	212	173
Port Huron, Mich	439	467	600	613	7	1	10	(2)
Port Inland Harbor, Mich	----	2	2	2	1,000	1,598	2,141	2,427
Presque Isle, Mich	----	----	----	----	1,748	2,630	3,717	4,675
Rockport, Mich	----	----	6	14	234	657	757	735
Saginaw River, Mich	865	1,128	1,611	1,999	506	677	557	471
Sandusky, Ohio	3	4	6	11	6,281	6,662	9,679	8,023
Sault Ste. Marie, Mich	541	567	767	821	20	37	20	18
Sheboygan, Wis	414	380	485	486	2	1	----	----
Toledo, Ohio	2,107	2,537	3,011	3,181	16,142	16,988	21,669	22,116
Tonawada, N. Y	94	377	385	444	11	17	50	43
All other	1,796	1,703	2,555	2,772	1,953	1,962	1,899	2,464

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

Source: War Department, United States Army, Office of Chief of Engineers; Annual Report, Part II.

No. 499.—Freight Traffic on New York State Canals—Tonnage Moved: 1837 to 1938

Note.—In short tons of 2,000 pounds. Tonnage handled over State terminals but not moved through any portion of the canal channel is not included

Yearly average	All canals	Erie division, freight originating	Yearly average or year	All canals	Erie division, freight originating			
					Total	Grain	Sand, gravel, stone	Petroleum
1837–1840	1,339,016	771,741	1911–1915	2,448,837	1,626,451	----	----	----
1841–1845	1,613,317	884,522	1916–1920	1,348,365	798,706	----	----	----
1846–1850	2,781,410	1,556,696	1921–1925	1,905,291	1,548,408	630,453	333,250	191,406
1851–1855	3,976,501	2,141,476	1926–1930	2,904,575	2,397,042	933,602	282,649	397,328
1856–1860	3,911,407	1,889,759	1931–1935	4,014,269	3,516,522	923,230	105,677	1,202,495
1861–1865	5,049,341	2,743,929	1930	3,605,457	3,044,271	1,152,200	264,292	653,399
1866–1870	5,987,724	3,018,359	1931	3,722,012	3,277,936	1,149,471	202,978	781,867
1871–1875	5,974,097	3,326,073	1932	3,643,433	3,186,094	1,039,698	130,674	880,095
1876–1880	5,219,888	3,542,020	1933	4,074,002	3,574,951	705,950	94,182	1,239,632
1881–1885	5,210,389	3,495,590	1934	4,142,728	3,645,125	883,510	35,483	1,513,020
1886–1890	5,281,441	3,580,631	1935	4,489,172	3,898,506	837,520	65,066	1,597,863
1891–1895	4,112,061	2,062,528	1936	5,014,206	4,220,397	615,193	81,581	1,933,585
1896–1900	3,544,951	2,446,065	1937	5,010,464	4,173,700	276,122	224,351	2,057,316
1901–1905	3,335,210	2,144,492	1938	4,709,488	3,349,250	287,728	199,400	1,784,294
1906–1910	3,238,129	2,206,595						

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

No. 500.—Freight and Passenger Traffic on St. Marys Falls Canal (Sault Ste. Marie): 1890 to 1938

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

Season	Freight carried (1,000 short tons of 2,000 pounds)					Total ton-miles (millions)	Freight charges		Valuation of freight (millions of dollars)
	Total	Eastbound	Westbound	By American vessels	By Canadian and other foreign vessels		Amount (1,000 dollars)	Average per ton per mile (mills)	
1890	9,041	6,429	2,612	8,679	362	7,207	9,472	1.30	102
1895	15,063	12,030	3,033	14,497	566	12,503	14,239	1.14	160
1900	25,643	20,532	5,111	24,896	747	21,179	24,953	1.18	267
1905	44,271	36,779	7,492	42,061	2,210	36,893	31,421	.85	417
1910	62,363	47,134	15,229	58,569	3,794	52,406	38,711	.74	654
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71	882
1920	79,282	63,464	15,818	74,866	4,416	64,702	85,742	1.33	1,120
1923	91,380	71,236	20,144	83,795	7,585	73,218	80,843	1.10	1,026
1924	72,037	56,840	15,197	65,447	6,590	58,579	59,769	1.02	1,080
1925	81,875	67,305	14,570	75,764	6,111	65,577	71,093	1.08	1,118
1926	85,679	69,530	16,149	78,006	7,673	69,360	78,517	1.13	1,064
1927	83,354	64,393	18,961	76,091	7,264	67,387	69,331	1.03	1,132
1928	86,993	70,166	16,827	78,072	8,921	70,259	81,281	1.16	1,183
1929	92,622	74,840	17,782	85,839	6,783	74,881	80,268	1.07	1,000
1930	72,898	57,067	15,831	67,560	5,338	59,058	61,159	1.04	761
1931	44,614	32,687	11,927	38,554	6,060	36,342	37,030	1.02	522
1932	20,481	11,822	8,659	14,274	6,207	17,091	16,063	.94	355
1933	40,308	30,544	9,764	33,967	6,340	33,139	33,807	1.02	534
1934	42,248	30,455	11,793	36,218	6,030	34,412	35,153	1.02	620
1935	48,293	37,192	11,101	41,532	6,761	39,141	41,783	1.07	688
1936	69,529	54,843	14,686	61,185	8,344	56,322	58,963	1.05	800
1937	87,634	72,131	15,503	85,817	1,817	71,150	76,135	1.07	926
1938	40,043	29,053	10,990	37,775	2,268	32,922	36,314	1.10	582

	1915	1920	1925	1930	1935	1937	1938
Passengers carried ... number	50,336	68,451	56,956	45,303	32,937	47,253	41,552
Freight, eastbound ... 1,000 tons[1]	**56,369**	**63,464**	**67,305**	**57,067**	**37,192**	**72,131**	**29,053**
Flour ... 1,000 bbls	8,437	7,478	9,289	8,532	6,841	6,289	6,548
Wheat ... 1,000 bu	255,482	143,456	292,818	243,927	179,603	117,229	174,162
Other grain ... do	64,755	51,630	149,927	55,434	43,107	50,192	90,264
Lumber ... 1,000 ft. b. m	[2] 456,451	[2] 192,854	[2] 186,486	[2] 150,986	40,044	23,900	9,520
Pulpwood ... 1,000 cords					114	222	240
Iron ore ... 1,000 tons[1]	45,212	56,643	53,821	46,990	29,278	65,575	20,047
All other ... do.[1]	506	176	222	351	639	788	483
Freight, westbound ... 1,000 tons[1]	**14,921**	**15,818**	**14,570**	**15,831**	**11,101**	**15,503**	**10,990**
Coal ... do.[1]	13,357	14,156	12,874	14,059	9,162	13,093	9,114
All other ... do.[1]	1,564	1,662	1,696	1,772	1,939	2,410	1,876

[1] Short tons of 2,000 pounds. [2] 1,000 ft. b. m.

No. 501.—Freight Traffic on Ohio River—Tonnage, Ton-Mileage, and Value: 1925 to 1937

Note.—No data included for ferry traffic. Tonnage of freight carried on ferries in 1937 was reported as 1,528,011. Passengers carried in 1937, other than on ferries, numbered 1,728,539. Leaders indicate no data available

Year	Short tons	Ton-miles	Value	Year	Short tons	Ton-miles	Value
	Thousands	*Thousands*	*1,000 dollars*		*Thousands*	*Thousands*	*1,000 dollars*
1925	15,737	825,497	151,622	1936—Total	24,384	2,652,870	279,377
1926	19,755	----------	150,086	Up	2,844	----------	57,491
1927	20,129	1,214,491	168,423	Down	6,144	----------	39,722
1928	20,938	1,344,687	191,519	Inbound	12,810	----------	96,519
1929	21,955	1,512,585	192,308	Outbound	2,585	----------	85,645
1930	22,337	1,473,927	188,245				
1931	18,071	1,486,445	166,987	1937—Total	23,357	2,671,926	276,701
1932	14,317	1,392,229	153,757	Up	3,169	----------	55,112
1933	16,751	1,708,422	199,235	Down	5,207	----------	64,272
1934	18,636	1,783,925	224,444	Inbound	12,318	----------	74,909
1935	20,977	2,253,829	286,402	Outbound	2,662	----------	82,408

Source of tables 500 and 501: War Department, United States Army, Office of Chief of Engineers; Annual Report, Part II.

No. 502.—Commerce on Principal Rivers, Canals, and Connecting Channels of the United States: 1932 to 1937

Note.—In thousands of short tons of 2,000 pounds. General ferry traffic, car ferry traffic, and cargoes in transit are not included in this table, except as noted

River	1932	1933	1934	1935	1936	1937
Grand total, rivers, canals, and connecting channels	165,334	199,558	215,146	248,561	302,511	342,344
Grand total, rivers	84,908	95,648	102,866	125,878	151,751	155,528
Atlantic Coast rivers [1]	18,249	18,394	20,137	23,605	28,844	30,789
Penobscot River, Maine	612	455	618	680	722	806
Connecticut River (below Hartford, Conn.)	661	811	983	951	1,074	1,233
Hudson River, N. Y. (mouth of Spuyten Duyvil Creek to Waterford, N. Y.)	6,355	5,784	5,696	8,524	10,457	11,091
Delaware River, Philadelphia to Trenton, N. J.	3,009	2,707	2,817	2,787	3,642	3,606
Potomac River (below Washington, D. C.)	2,017	2,057	1,938	2,161	2,298	2,450
James River, Va	1,122	1,396	1,873	1,771	2,094	2,242
Gulf Coast rivers [1]	5,294	5,604	6,001	8,158	12,393	10,465
Mobile River, Ala., tributaries	581	985	976	1,014	1,272	1,604
Black Warrior, Warrior, and Tombigbee Rivers, Ala	958	1,123	1,067	1,131	1,432	1,826
Bayou Teche, La	117	106	139	260	749	1,455
Lake Pontchartrain, La	584	626	710	650	863	1,100
Bayou Lafourche, La	138	110	792	893	883	871
Pacific Coast rivers [1]	10,231	13,630	13,153	16,052	18,328	21,219
San Joaquin River, Calif	690	966	1,046	1,053	1,244	976
Sacramento River, Calif	713	1,175	1,184	806	770	604
Columbia and Lower Willamette Rivers, below Vancouver, Wash., and Portland, Oreg. [2]	4,838	5,411	4,904	5,909	5,716	7,300
Columbia River from Vancouver, Wash., to The Dalles, Oreg	635	862	782	861	867	662
Willamette River, above Portland, and Yamhill River, Oreg	1,006	891	1,144	2,008	2,205	2,504
Hoquiam River, Wash	193	432	348	354	794	658
Snohomish River, Wash	447	962	1,224	1,150	1,688	1,970
Mississippi River and tributaries [1]	50,858	57,701	63,191	77,757	91,716	92,571
Mississippi River, Minneapolis, Minn., to the Passes (mouth of river) [3]	18,254	18,569	19,197	25,038	27,625	28,308
Illinois Waterway, Ill	[4] 194	[4] 389	[4] 479	1,584	2,048	3,575
Missouri River, Fort Benton, Mont., to mouth	1,492	1,335	1,680	1,841	1,346	1,075
Allegheny River, Pa	2,158	2,827	3,028	3,375	3,480	3,437
Monongahela River, Pa. and W. Va	9,309	12,540	14,219	17,941	24,052	24,928
Muskingum River, Ohio	610	522	518	643	755	839
Kanawha River, W. Va	1,482	1,859	1,786	2,205	2,441	3,176
Ohio River, Pittsburgh to mouth [5]	14,317	16,751	18,636	20,977	24,384	23,357
Tennessee River, Knoxville to Paducah	750	940	1,495	1,899	2,166	1,377
Interior rivers and other waterways	277	320	354	306	470	483
Grand total, canals and connecting channels	80,425	103,910	112,280	122,683	150,760	186,816
Federal canals and connecting channels [1]	75,165	98,053	105,701	116,714	143,954	179,435
Cape Cod Canal, Mass	2,509	2,805	2,792	2,627	2,801	3,539
Inland waterway from Delaware River to Chesapeake Bay, Del. and Md	1,017	1,191	1,039	1,061	1,300	1,437
Intracoastal Waterway, St. Marks River, Fla., to Corpus Christi, Tex	(6)	(6)	(6)	(6)	(6)	5,754
Lake Charles Deep Water Channel, La	1,723	1,926	2,457	4,411	5,563	6,823
Sabine-Neches Canal, Tex	13,740	16,484	16,473	19,166	21,873	25,111
Channel from Aransas Pass to Corpus Christi, Tex	731	1,122	969	1,370	3,135	6,616
Grays Reef Passage, Mich						5,576
St. Marys Falls Canal, Mich. [7]	20,481	40,308	42,248	48,293	69,529	87,634
Detroit River, Mich. [8]	26,966	25,702	30,469	27,486	27,249	26,203
Multnomah Channel, Oreg				988	1,149	1,093
Lake Washington Ship Canal, Wash	1,419	1,239	1,466	1,706	1,695	1,731
State and private canals [1]	5,261	5,858	6,579	5,969	6,807	7,381
New York State Barge Canal system [9]	3,643	4,074	4,143	4,489	5,014	5,010
Navigation Canal, Inner Harbor, La	743	1,081	1,278	1,171	1,340	1,823

[1] Totals include data for rivers or canals and connecting channels not shown separately.
[2] Internal traffic only; no data included for ocean-borne traffic at ports.
[3] Figures for years prior to 1935 represent gross traffic from Minneapolis, Minn., to New Orleans, La. They include some duplication resulting from the overlapping of traffic carried over each of the several stretches of the river. Figures for 1935, 1936, and 1937 represent net traffic from Minneapolis to mouth of river, excluding duplication. Net traffic from Minneapolis to New Orleans in 1934 was 16,038,000 tons.
[4] Traffic on Illinois River only.
[5] See also table 501. [6] Not available. [7] See also table 500.
[8] Actual traffic through Detroit River amounted to 113,837,000 tons in 1937. St. Marys Falls Canal traffic also passes through Detroit River, and therefore, in order to avoid duplication, only the difference is credited to Detroit River. [9] See also table 499.

Source: War Department, United States Army, Office of Chief of Engineers; Annual Report, Part II.

No. 503.—United States Merchant Marine—Summary: 1789 to 1938

Note.—For definition of "gross ton" see general note, p. 434. All data after 1840 are as of June 30

Year	Number			Thousands of gross tons			Tonnage (thousands of gross tons) employed in—			
	Total	Steam and motor	All other[1]	Total	Steam and motor	All other[1]	Foreign trade	Coastwise and internal trade	Whale fisheries	Cod fisheries
1789[2]	--------	--------	--------	202	--------	202	124	69	--------	9
1800[2]	--------	--------	--------	972	--------	972	667	272	3	29
1810[2]	--------	--------	--------	1,425	--------	1,425	981	405	4	35
1820[2,3]	--------	--------	--------	1,280	--------	1,280	584	588	36	72
1830[2,3]	--------	--------	--------	1,192	64	1,127	538	517	40	98
1840[4]	--------	--------	--------	2,181	202	1,978	763	1,177	137	104
1850	--------	--------	--------	3,535	526	3,010	1,440	1,798	146	152
1860	--------	--------	--------	5,354	868	4,486	2,379	2,645	167	163
1870	28,998	3,524	25,474	4,247	1,075	3,171	1,449	2,638	68	91
1880	24,712	4,717	19,995	4,068	1,212	2,856	1,314	2,638	38	78
1890	23,467	5,965	17,502	4,424	1,859	2,565	928	3,409	19	68
1900	23,333	7,053	16,280	5,165	2,658	2,507	817	4,287	10	52
1910	25,740	12,452	13,288	7,508	4,900	2,608	783	6,669	9	47
1915	26,701	15,948	10,753	8,389	5,944	2,446	1,863	6,486	9	32
1920	28,183	18,814	9,369	16,324	13,823	2,501	9,925	6,358	4	38
1925	26,367	18,637	7,730	17,406	14,976	2,430	8,151	9,216	4	35
1928	25,385	18,270	7,115	16,683	14,347	2,336	6,934	9,706	7	36
1929	25,326	18,319	7,007	16,477	14,162	2,315	6,906	9,526	7	39
1930	25,214	18,211	7,003	16,068	13,757	2,311	6,296	9,723	7	42
1931	25,471	18,236	7,235	15,908	13,528	2,380	5,576	10,286	7	40
1932	25,156	18,224	6,932	15,839	13,568	2,271	5,071	10,728	2	38
1933	24,868	18,182	6,686	15,060	12,862	2,198	4,701	10,313	9	37
1934	24,904	18,335	6,569	14,862	12,687	2,175	4,598	10,220	9	35
1935	24,919	18,495	6,424	14,654	12,535	2,118	4,560	10,049	9	35
1936	25,392	18,706	6,686	14,497	12,267	2,230	4,159	10,300	9	28
1937	26,588	19,201	7,387	14,676	12,170	2,506	3,834	10,800	20	23
1938	27,155	19,349	7,806	14,651	12,007	2,644	3,551	11,064	21	16

Classes	Number					Thousands of gross tons				
	1920	1930	1936	1937	1938	1920	1930	1936	1937	1938
By utilization:										
Registered—										
Foreign trade	5,932	4,175	2,093	1,870	1,575	9,925	6,296	4,159	3,834	3,551
Whale fisheries	26	14	14	14	13	4	7	9	20	21
Enrolled—										
Coastwise and internal trade	12,181	12,497	13,253	14,250	14,807	6,233	9,608	10,163	10,855	10,909
Cod fisheries	196	261	175	142	89	32	36	24	20	14
Licensed—										
Coastwise and internal trade	9,463	8,004	9,672	10,197	10,587	124	115	137	145	155
Cod fisheries	385	263	185	115	84	6	6	4	3	2
By location:										
Atlantic and Gulf[5]	16,850	14,321	14,801	15,978	16,621	9,739	9,904	9,770	10,145	10,183
Pacific[6]	6,512	6,466	6,533	6,689	6,688	3,326	3,227	2,741	2,588	2,483
Northern lakes	3,091	2,450	2,200	2,159	2,148	3,139	2,758	1,767	1,713	1,739
Western rivers	1,730	1,977	1,858	1,762	1,698	120	178	218	230	246
By power:										
Sail	4,030	1,584	899	769	697	1,272	757	379	312	261
Steam	8,103	6,087	4,954	4,748	4,522	13,466	12,775	11,161	11,055	10,835
Motor	10,711	12,124	13,752	14,453	14,827	357	982	1,105	1,115	1,172
Canal boats	448	226	90	82	78	52	29	13	12	11
Barges	4,891	5,193	5,697	6,536	7,031	1,177	1,525	1,838	2,182	2,372
By material:										
Wood	23,781	20,211	20,299	21,369	21,801	3,876	2,554	2,234	2,443	2,521
Metal	4,402	5,003	5,093	5,219	5,354	12,448	13,514	12,263	12,233	12,130

[1] Sailing vessels, canal boats, and barges. [2] Dec. 31.
[3] The decrease of tonnage arises principally from the registered tonnage having been corrected in 1818, 1829, and 1830 by striking off all vessels the registers of which were granted prior to 1815, which were supposed by the collectors to have been lost at sea, captured, etc.
[4] Sept. 30.
[5] Including Puerto Rico and Virgin Islands.
[6] Including Hawaii and Alaska.

Source: Department of Commerce, Bureau of Marine Inspection and Navigation; Merchant Marine Statistics.

No. 504.—United States Merchant Marine—Number and Gross Tonnage of Vessels on June 30, 1938, by Year of Build

Year of build (Dec. 31)	Number	Gross tons	Year of build (Dec. 31)	Number	Gross tons
Unknown	1,007	200,747	1896	135	88,151
1848	1	90	1897	144	64,591
1849	1	21	1898	191	84,114
1851	1	14	1899	238	96,518
1852	2	23	1900	292	131,682
1853	2	61	1901	381	138,309
1855	1	51	1902	342	190,148
1856	1	72	1903	373	213,137
1857	4	1,121	1904	347	144,191
1858	1	154	1905	403	265,679
1859	1	24	1906	447	354,956
1862	2	194	1907	506	390,344
1863	6	2,097	1908	460	267,688
1864	5	1,049	1909	433	215,486
1865	6	430	1910	517	268,460
1866	11	1,312	1911	561	185,202
1867	11	527	1912	692	218,903
1868	14	2,033	1913	704	321,626
1869	13	648	1914	623	202,535
1870	14	4,474	1915	553	162,243
1871	26	2,212	1916	602	374,678
1872	16	1,042	1917	881	553,976
1873	29	2,650	1918	848	991,343
1874	20	2,442	1919	1,117	1,984,292
1875	22	3,611	1920	1,001	1,884,152
1876	22	993	1921	606	1,286,094
1877	20	6,392	1922	480	228,674
1878	34	7,930	1923	588	218,283
1879	30	10,108	1924	734	206,267
1880	27	7,133	1925	754	167,018
1881	70	10,334	1926	817	195,729
1882	77	7,658	1927	891	293,390
1883	82	11,454	1928	876	229,553
1884	88	10,999	1929	877	185,728
1885	63	11,249	1930	842	272,620
1886	82	9,287	1931	565	190,264
1887	63	10,963	1932	396	175,554
1888	94	19,757	1933	351	73,871
1889	82	18,404	1934	404	47,400
1890	95	24,694	1935	571	65,704
1891	137	35,738	1936	755	143,181
1892	134	31,964	1937	789	221,416
1893	138	39,014	1938 (first half)	342	109,320
1894	80	15,806			
1895	91	31,829	Total	27,155	14,651,365

No. 505.—United States Merchant Marine—Number and Gross Tonnage of Vessels on June 30, 1938, by Tonnage Groupings

Tonnage groupings	Total		Steam vessels		Motor vessels		Sailing vessels		Unrigged vessels	
	Number	Thousands of gross tons	Number	Thousands of gross tons	Number	Thousands of gross tons	Number	Thousands of gross tons	Number	Thousands of gross tons
Total	27,155	14,651	4,522	10,835	14,327	1,172	697	261	7,109	2,384
5 to 49 tons	14,444	258	357	11	12,601	213	431	7	1,055	26
50 to 99 tons	2,204	159	587	45	1,262	88	65	4	290	21
100 to 499 tons	6,716	1,855	1,302	309	720	141	53	14	4,632	1,391
500 to 999 tons	1,352	894	289	202	77	51	55	42	931	599
1,000 to 2,499 tons	672	1,118	339	593	81	128	76	133	176	264
2,500 to 4,999 tons	620	2,357	569	2,179	12	52	17	60	22	66
5,000 to 9,999 tons	1,089	7,207	1,026	6,747	60	443			3	17
10,000 to 19,999 tons	53	689	48	634	5	55				
20,000 tons and over	5	116	5	116						

Source of tables 504 and 505: Department of Commerce, Bureau of Marine Inspection and Navigation; Merchant Marine Statistics.

No. 506.—Merchant Vessels Launched in the World and in the United States: 1910 to 1938

Note.—Vessels of 100 gross tons and over. For definition of "gross ton" see general note, p. 434. Vessels under construction in the world (excluding Russia) Dec. 31, 1938, numbered 704, of 2,668,864 gross tons; in the United States, 70, of 298,617 gross tons.

Calendar year	World				United States	
	Total		Steam and motor			
	Number	Gross tons	Number	Gross tons	Number	Gross tons
1910–1914, average	1,533	2,739,079	1,180	2,631,779	162	252,864
1915–1920, average [1]	1,488	4,046,860	1,296	3,918,746	518	1,877,382
1921–1925, average	942	2,581,653	830	2,531,592	99	315,114
1926–1930, average	873	2,468,515	808	2,427,929	74	158,788
1931–1935, average	484	1,020,444	461	1,010,567	25	83,485
1925	855	2,193,404	742	2,142,325	101	128,776
1926	600	1,674,977	525	1,630,134	78	150,613
1927	802	2,285,679	734	2,239,522	66	179,218
1928	869	2,699,239	809	2,660,321	63	91,357
1929	1,012	2,793,210	981	2,774,191	63	126,063
1930	1,084	2,889,472	991	2,835,476	100	246,687
1931	596	1,617,115	569	1,603,551	57	205,865
1932	307	726,591	295	724,287	18	143,559
1933	330	489,016	311	479,559	14	10,771
1934	536	967,419	514	954,777	21	24,625
1935	649	1,302,080	617	1,290,660	14	32,607
1936	999	2,117,924	946	2,080,222	69	111,885
1937	1,101	2,690,580	1,011	2,642,748	123	239,445
1938	1,119	3,033,593	1,029	2,975,942	105	201,251

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

Source: Lloyd's, London; Lloyd's Register of Shipping, Annual Summary of Mercantile Shipbuilding of the World; figures in headnote from Lloyd's Register, Shipbuilding Returns.

No. 507.—Merchant Marine of the World and of the United States

Note.—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia are not included. Figures for Philippine Islands are included with United States beginning with 1910. See general note, p. 434

Year	World total	United States	Year	World total	United States	Year	World total	United States
	1,000 tons	*1,000 tons*		*1,000 tons*	*1,000 tons*		*1,000 tons*	*1,000 tons*
1895	25,086	2,165	1920	57,314	16,049	1934	65,577	13,045
1900	28,957	2,750	1925	64,641	15,377	1935	64,886	12,852
1905	35,998	3,996	1930	69,608	14,046	1936	65,064	12,557
1910	41,915	5,059	1932	69,734	13,547	1937	66,286	12,429
1915	49,262	5,893	1933	67,920	13,358	1938	67,847	12,050

	Number					Thousands of tons (see headnote)					
	1910	**1920**	**1930**	**1937**	**1938**	**1910**	**1914**	**1920**	**1930**	**1937**	**1938**
World total	**30,058**	**31,595**	**32,713**	**31,183**	**30,990**	**41,915**	**49,090**	**57,314**	**69,608**	**66,286**	**67,847**
Steam and motor	22,008	26,513	29,996	29,524	29,409	37,291	45,404	53,905	68,024	65,271	66,870
Steel and iron	20,403	23,382	27,595	26,832	27,212	36,769	44,934	51,661	67,304	64,699	66,371
Wood and composite	1,605	3,131	2,401	2,692	2,197	521	470	2,244	720	571	499
Sailing	8,050	5,082	2,717	1,659	1,581	4,624	3,686	3,409	1,584	1,014	976
Steel and iron	2,115	1,314	742	770	794	2,508	2,095	1,524	654	580	584
Wood and composite	5,935	3,768	1,975	889	787	2,116	1,590	1,885	930	434	393
United States	**3,469**	**5,457**	**4,223**	**3,485**	**3,391**	**5,059**	**5,368**	**16,049**	**14,046**	**12,429**	**12,050**
Steam and motor	1,712	4,110	3,517	3,037	2,955	3,827	4,330	14,574	13,202	11,881	11,515
Steel and iron	1,270	3,242	3,001	2,677	2,578	3,602	4,120	13,341	12,914	11,732	11,369
Wood and composite	442	868	516	360	377	226	210	1,234	288	148	146
Sailing	1,757	1,347	706	448	436	1,232	1,038	1,475	844	548	535
Steel and iron	139	154	147	178	190	245	236	304	288	273	278
Wood and composite	1,618	1,193	559	270	246	987	803	1,171	556	274	256

Source: Lloyd's, London, Lloyd's Register of Shipping, Volume II.

No. 508.—Commercial Traffic Through the Panama Canal, Total, 1915 to 1938, and by Nationality of Vessel, 1936, 1937, and 1938

Note.—See general note, p. 434. Figures cover only ocean-going commercial traffic of 300 net tons and above, Panama Canal measurement. 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, are classified as ocean-going commercial vessels.

Nationality and year ended June 30	Number of transits	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
Total traffic:				
1915–1938, total	**98, 514**	**477, 919**	**429, 386**	**470, 924**
1923	3, 908	18, 601	17, 504	19, 566
1924	5, 158	26, 142	24, 285	26, 993
1925	4, 592	22, 848	21, 394	23, 957
1926	5, 087	24, 763	22, 920	26, 030
1927	5, 293	26, 211	24, 212	27, 734
1928	6, 253	29, 437	26, 922	29, 616
1929	6, 289	29, 822	27, 111	30, 648
1930	6, 027	29, 964	27, 060	30, 018
1931	5, 370	27, 773	24, 625	25, 065
1932	4, 362	23, 613	20, 695	19, 799
1933	4, 162	22, 804	19, 601	18, 161
1934	5, 234	28, 551	24, 047	24, 704
1935	5, 180	27, 806	23, 307	25, 310
1936	5, 382	28, 024	23, 479	26, 506
1937	5, 387	27, 492	23, 162	28, 108
1938	5, 524	[1] 28, 058	23, 170	27, 386
United States:				
1936	2, 045	11, 323	9, 437	10, 701
1937	1, 670	9, 333	7, 868	9, 844
1938	1, 780	[1] 9, 906	8, 205	9, 893
British:				
1936	1, 304	7, 229	6, 156	6, 182
1937	1, 385	7, 647	6, 511	7, 179
1938	1, 281	[1] 7, 265	6, 096	6, 417
Chilean:				
1936	19	68	65	79
1937	23	83	79	95
1938	9	[1] 46	39	29
Danish:				
1936	156	722	555	627
1937	189	825	638	757
1938	228	[1] 910	707	865
French:				
1936	99	579	461	544
1937	100	570	466	543
1938	105	[1] 587	479	567
German:				
1936	310	1, 244	1, 067	1, 305
1937	332	1, 340	1, 126	1, 496
1938	357	[1] 1, 461	1, 219	1, 519
Greek:				
1936	48	220	189	238
1937	72	321	288	430
1938	94	[1] 424	367	525
Italian:				
1936	47	344	260	160
1937	46	330	248	132
1938	52	[1] 358	276	153
Japanese:				
1936	271	1, 608	1, 480	1, 698
1937	282	1, 633	1, 505	1, 789
1938	300	[1] 1, 846	1, 597	1, 878
Netherlander:				
1936	139	610	496	512
1937	221	807	652	701
1938	285	[1] 825	670	750
Norwegian:				
1936	556	2, 622	2, 080	2, 718
1937	674	3, 285	2, 605	3, 506
1938	667	[1] 3, 289	2, 582	3, 434
Panamanian:				
1936	201	655	570	655
1937	184	537	465	627
1938	182	[1] 369	319	416
Swedish:				
1936	131	616	488	855
1937	108	514	407	776
1938	119	[1] 580	446	763
Yugoslavian:				
1936	16	72	70	136
1937	12	56	51	74
1938	14	[1] 58	50	73
Miscellaneous:				
1936	40	113	108	95
1937	89	209	193	159
1938	56	[1] 134	119	105

[1] As measured under rules in effect prior to Mar. 1, 1938.

No. 509.—Commercial Traffic Through the Panama Canal—Summary, Fiscal Years Ended June 30: 1932 to 1938

Note.—See general note, p. 434

	1932	1933	1934	1935	1936	1937	1938
Number of transits	4, 362	4, 162	5, 234	5, 180	5, 382	5, 387	5, 524
Measurement tonnage registered							
Gross (thousands)	(1)	27, 153	34, 348	33, 013	33, 130	32, 575	32, 918
Net (thousands)	(1)	16, 519	20, 524	19, 609	19, 644	19, 303	19, 622
Panama Canal, net (thousands)	23, 613	22, 804	28, 551	27, 806	28, 024	27, 492	[2] 28, 058
United States equivalent (thousands)	(1)	16, 351	20, 333	19, 429	19, 481	19, 237	(3)
Tons of cargo, total (thousands)	19, 799	18, 161	24, 704	25, 310	26, 506	28, 108	27, 386
Atlantic to Pacific	5, 632	4, 507	6, 163	7, 530	8, 250	9, 896	9, 689
Pacific to Atlantic	14, 167	13, 654	18, 541	17, 780	18, 256	18, 213	17, 697

[1] Revised data not available.
[2] As measured under rules in effect prior to Mar. 1, 1938.
[3] Not available. Application of United States rules of measurement of vessels abolished.

Source of tables 508 and 509: The Panama Canal, Annual Report of the Governor.

No. 510.—Panama Canal—Revenues, Expenses, and Computed Surplus: 1914 to 1938

[In thousands of dollars]

Year ended June 30	Tolls	Civil revenues [1]	Business profits [2]	Total revenue	Net appropriation expenses [3]	Net revenues	Capital interest, 3 percent [4]	Computed surplus
1914 to 1924, total	97, 556	2, 189	3, 466	103, 211	71, 870	31, 341	60, 282	[5] *28, 941*
1925	21, 375	208	766	22, 349	8, 667	13, 682	15, 100	[5] *1, 418*
1926	22, 927	218	841	23, 986	8, 543	15, 443	15, 086	357
1927	24, 217	392	877	25, 485	9, 548	15, 938	15, 069	869
1928	26, 944	233	737	27, 913	9, 501	18, 412	15, 035	3, 377
1929	27, 124	243	738	28, 105	10, 187	17, 918	15, 013	2, 904
1930	27, 077	349	761	28, 187	9, 894	18, 293	14, 988	3, 306
1931	24, 645	346	563	25, 553	10, 693	14, 860	14, 987	[5] *127*
1932	20, 707	327	557	21, 591	10, 239	11, 352	14, 944	[5] *3, 592*
1933	19, 621	310	1, 136	21, 067	9, 556	11, 511	14, 908	[5] *3, 397*
1934	24, 065	97	1, 367	25, 528	7, 751	17, 777	15, 039	2, 738
1935	23, 339	82	1, 021	24, 442	9, 301	15, 141	15, 124	17
1936	23, 507	120	920	24, 547	9, 495	15, 052	15, 160	[5] *108*
1937	23, 147	90	917	24, 164	10, 110	14, 054	15, 205	[5] *1, 151*
1938	23, 215	90	825	24, 130	9, 396	14, 735	15, 230	[5] *495*
Total	429, 465	5, 303	15, 491	450, 259	204, 751	245, 508	271, 168	[5] *25, 661*

[1] Taxes, fees, fines, etc.
[2] Principally from operation of shops and docks.
[3] After deduction of canal earnings repaid to appropriations.
[4] No interest charge against the Canal is actually made by the Treasury. In order to present the net results of the operation of the Canal, the interest on capital invested is computed at a rate considered reasonable for Government borrowings over an indefinite period. Computed interest prior to July 12, 1920, is included in capital investment account.
[5] Deficit.

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

No. 511.—Marine Wrecks and Casualties Occurring to Vessels of the United States, by Regions

Note.—This table covers disasters and casualties resulting in damage or loss amounting to $300 or more. Figures exclude data for some casualties to U. S. vessels reported after closing of records for respective years. No data included for casualties to U. S. vessels in Panama Canal Zone. Figures for such casualties in 1937 are as follows: Vessels involved, 2; tonnage, 12,088; property loss, $4,100; persons on board, 72; no loss of life; no casualties, 1938.

Yearly average or year ended June 30—	Number of vessels		Vessel capacity—1,000 tons		Losses—1,000 dollars		Persons on board		Lives lost
	Complete loss	Partial loss	Complete loss	Partial loss	To vessel	To cargo	Passengers	Crews	
Total:									
1916–1920	322	678	192	1, 487	39, 440	13, 803	9, 889	19, 733	651
1921–1925	253	665	113	1, 808	18, 794	4, 374	10, 207	19, 859	189
1926–1930	273	780	122	2, 258	17, 648	4, 159	11, 830	23, 372	219
1931–1935	217	546	60	1, 815	11, 824	1, 679	8, 134	17, 819	164
1935	161	645	52	2, 233	15, 034	1, 952	9, 768	21, 154	355
1936	178	727	45	2, 806	11, 036	874	10, 707	23, 881	86
1937	182	612	52	2, 197	10, 351	1, 017	7, 998	19, 255	84
1938	142	665	30	2, 554	16, 469	1, 456	6, 403	25, 168	76
Atlantic, Gulf, and Pacific coasts:									
1935	106	384	41	1, 113	10, 616	1, 082	6, 048	10, 924	317
1936	117	389	28	1, 228	5, 498	530	5, 969	11, 484	69
1937	123	334	33	969	5, 023	532	5, 989	9, 503	39
1938	95	345	19	1, 007	4, 589	715	3, 725	13, 642	65
Great Lakes:									
1935	12	71	4	320	1, 186	41	330	2, 125	7
1936	12	107	7	530	1, 744	17	1, 524	3, 160	------
1937	20	109	7	500	2, 405	98	392	3, 476	25
1938	17	94	4	442	2, 012	110	167	2, 964	4
Rivers of United States:									
1935	31	58	3	127	684	103	229	1, 208	5
1936	35	106	3	387	1, 537	69	1, 389	2, 931	10
1937	32	62	5	174	1, 390	94	429	1, 608	17
1938	19	67	1	213	727	72	6	1, 530	------
At sea and in foreign waters:									
1935	12	132	5	673	2, 548	727	3, 161	6, 897	26
1936	14	125	7	662	2, 257	258	1, 825	6, 306	7
1937	7	107	7	554	1, 533	293	1, 188	4, 668	3
1938	11	159	6	892	9, 141	559	2, 505	7, 032	7

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

No. 512.—Merchant Vessels Controlled by the United States Government, by Origin and Class, as of Dec. 31: 1937 and 1938

Note.—For definition of deadweight tons see general note, p. 434. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

Origin and class	1937	1938		Class	1937	1938	
	Deadweight tons	Number	Deadweight tons		Deadweight tons	Number	Deadweight tons
Grand total	1,385,295	163	1,443,698	Steel—Continued			
ORIGIN				Cargo and passenger	42,024	11	141,864
				Refrigerator	41,967	5	41,967
				All other		[1] 3	
Requisitioned steel	131,657	11	102,959	Wood, composite, and concrete		[1] 2	
Contract steel	1,199,689	130	1,232,610				
Contract wood or concrete		[1] 2		Active steel	327,474	43	373,639
Purchased		3	54,180	Cargo	327,474	37	319,459
Seized enemy	53,949	5	53,949	Passenger		3	54,180
All other		[1] 3		All other		[1] 3	
CLASS				Inactive steel	1,057,821	118	1,070,059
				Cargo	973,830	105	940,408
Steel	1,385,295	161	1,443,698	Cargo and passenger	42,024	8	87,684
Cargo (completed)	1,301,304	142	1,259,867	Refrigerator	41,967	5	41,967

[1] Tugs.

Source: United States Maritime Commission, records (not published elsewhere).

No. 513.—Foreign and Intercoastal Commerce—Cargo Tonnage

Note.—In thousands of cargo tons of 2,240 pounds. Coastwise trade other than from Atlantic and Gulf to Pacific and vice versa is not included

	Total United States ports [1]			Atlantic coast ports			Gulf coast ports		
	1935	1936	1937	1935	1936	1937	1935	1936	1937
Total commerce	[2] 84,054	[2] 89,998	[2] 109,158	40,132	43,857	51,648	17,088	17,711	24,296
Inbound	43,878	47,903	51,932	28,581	31,806	35,204	4,892	4,621	5,848
Outbound	47,373	48,814	64,130	11,552	12,051	16,444	12,196	13,090	18,448
With foreign countries [3]	72,112	78,110	96,621	32,265	36,359	43,864	15,582	16,149	22,596
Imports	33,966	38,396	42,063	22,926	26,679	30,076	4,168	3,962	5,242
Exports	38,146	39,714	54,558	9,339	9,680	13,788	11,413	12,187	17,354
Intercoastal				6,235	5,711	5,832	962	1,008	1,072
Inbound	7,197	6,719	6,904	4,454	3,916	3,806	472	453	385
Outbound	7,197	6,719	6,904	1,781	1,795	2,026	490	555	687
With noncontiguous territories [4]	4,746	5,169	5,633	1,632	1,787	1,952	545	554	628
Imports	2,716	2,788	2,965	1,201	1,211	1,322	253	206	221
Exports	2,030	2,381	2,668	431	576	630	293	348	407

	Pacific coast ports			Great Lakes ports			Ports in all territories and possessions [5]		
Total commerce	22,200	21,908	25,219	11,830	13,241	14,899	[6] 7,550	[6] 8,497	[6] 9,308
Inbound	6,329	6,697	7,213	4,076	4,779	3,667	[6] 4,217	[6] 4,710	[6] 5,126
Outbound	15,871	15,211	18,006	7,754	8,462	11,232	[6] 3,334	[6] 3,787	[6] 4,182
With foreign countries [3]	12,434	12,361	15,262	11,830	13,241	14,899	[6] 457	[6] 608	[6] 623
Imports	2,796	2,976	3,078	4,076	4,779	3,667	[6] 353	[6] 442	[6] 498
Exports	9,639	9,385	12,184	7,754	8,462	11,232	[6] 104	[6] 166	[6] 125
Intercoastal	7,197	6,719	6,904						
Inbound	2,271	2,350	2,713						
Outbound	4,925	4,369	4,191						
With noncontiguous territories [4]	2,569	2,828	3,053				[1] 7,094	7,389	8,685
Imports	1,262	1,371	1,422				[1] 3,864	4,268	4,628
Exports	1,306	1,457	1,631				[1] 3,230	3,621	4,057

[1] Continental United States. [2] Duplication in intercoastal trade is eliminated.
[3] In showing trade of Continental United States ports, Philippine Islands, Virgin Islands, and Canal Zone are included with foreign countries.
[4] Alaska, Hawaii, Puerto Rico, Guam, Samoa. [5] Territories and possessions named in notes 3 and 4.
[6] Excluding trade with foreign countries of Canal Zone, Guam, Samoa, Virgin Islands, and Philippine Islands; data not available.

Source: Figures for 1935, Dept. of Commerce, U. S. Shipping Board Bureau; thereafter, United States Maritime Commission, successor to U. S. Shipping Board Bureau; records (not published elsewhere).

No. 514.—Water-Borne Imports and Exports—Cargo Tonnage

Note.—In thousands of cargo tons of 2,240 pounds. This table and tables 515, 516, and 517 do not include cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity

	Imports in vessels of—					Exports in vessels of—				
	Total	U. S. Government	Independent American	British	Other	Total	U. S. Government	Independent American	British	Other
Total:										
1921	33,185	4,835	18,620	9,730		48,640	7,329	11,228	30,083	
1924	40,899	2,663	19,630	8,406	10,200	52,261	6,663	11,653	18,867	15,078
1925	43,135	2,285	18,930	9,586	12,334	49,666	5,624	10,092	18,386	15,564
1926	44,686	2,888	18,217	10,702	12,879	68,140	5,591	11,531	28,269	22,749
1927	42,183	2,195	19,263	9,328	11,397	56,935	6,185	12,510	20,728	17,512
1928	47,395	2,063	22,124	10,591	12,617	58,829	5,071	14,217	21,147	18,394
1929	50,985	1,824	23,408	12,173	13,580	57,475	4,618	13,303	20,624	18,930
1930	47,562	1,429	23,394	10,451	12,289	49,731	3,236	11,678	17,210	17,607
1931	35,864	1,086	16,028	7,288	11,462	40,049	2,605	8,463	13,518	15,463
1932	28,710	633	12,691	5,940	9,446	31,845	1,698	6,449	10,712	12,985
1933	26,567	632	10,386	6,438	9,111	32,386	749	7,606	10,107	13,924
1934	29,814	476	12,291	7,076	9,971	37,821	541	8,895	13,164	15,222
1935	33,966	554	13,572	8,122	11,719	38,146	522	8,218	12,635	16,771
1936	38,396	542	12,655	10,494	14,706	39,714	411	8,205	13,057	18,041
1937	42,063	582	12,781	11,134	17,566	54,558	583	10,300	19,178	24,497
Percent distribution:										
1921	100.0	15	56	29		100.0	15	23	62	
1936	100.0	1	33	28	38	100.0	1	21	33	45
1937	100.0	1	30	27	42	100.0	1	19	35	45
Dry cargoes: [1]										
1921	12,357	5,437		6,920		34,855	11,502		23,353	
1925	24,903	2,077	4,997	7,314	10,515	32,556	5,467	3,834	10,494	12,761
1930	25,461	1,528	6,365	7,638	9,930	25,997	3,120	4,939	7,279	10,659
1932	14,926	633	3,500	3,633	7,160	15,782	1,698	3,462	3,684	6,938
1933	16,507	632	4,153	3,982	7,740	16,023	749	4,709	3,497	7,068
1934	18,081	476	4,971	4,404	8,230	18,041	540	5,356	3,937	8,208
1935	21,323	554	5,235	5,217	10,317	18,460	522	5,360	3,817	8,761
1936	23,932	542	6,150	5,434	11,806	17,875	411	4,901	3,560	9,003
1937	28,021	582	7,583	6,777	13,079	24,775	583	6,764	5,732	11,696
Percent distribution:										
1921	100.0	44		56		100.0	33		67	
1936	100.0	2	26	23	49	100.0	2	28	20	50
1937	100.0	2	27	24	47	100.0	3	27	23	47
Tanker cargoes: [1]										
1921	17,362	2,662	12,443	2,257		5,980	725	1,667	3,588	
1925	12,783	208	9,238	1,522	1,815	10,368	157	3,500	3,999	2,712
1930	15,907	--------	11,788	1,918	2,201	14,369	--------	3,245	4,060	7,064
1932	11,353	--------	7,399	1,690	2,264	10,071	--------	1,675	2,353	6,043
1933	7,684	--------	5,078	1,245	1,361	10,536	--------	1,530	2,152	6,854
1934	8,457	--------	5,631	1,087	1,739	11,758	--------	1,581	3,167	7,010
1935	9,035	--------	6,837	862	1,336	12,057	--------	1,189	2,883	7,985
1936	9,686	--------	5,674	1,160	2,852	13,376	--------	1,605	2,768	9,003
1937	10,375	--------	4,747	1,207	4,421	18,551	--------	1,722	4,086	12,743
Percent distribution:										
1921	100.0	15	72	13		100.0	12	28	60	
1936	100.0	--------	59	12	29	100.0	--------	12	21	67
1937	100.0	--------	46	12	42	100.0	--------	9	22	69
North Atlantic ports:										
1934	20,312	427	7,924	4,376	7,585	8,437	483	2,118	2,068	3,767
1935	21,875	529	8,623	4,407	8,317	8,448	438	2,164	1,906	3,941
1936	25,419	522	8,722	5,085	11,089	8,709	349	2,187	1,865	4,308
1937	28,448	559	8,866	6,221	12,802	12,612	535	3,149	3,023	5,905
South Atlantic ports:										
1934	940	27	332	113	468	847	41	205	230	371
1935	1,051	23	385	92	550	891	47	207	226	411
1936	1,260	16	405	138	701	970	46	253	207	464
1937	1,628	18	471	158	981	1,176	48	294	364	470
Gulf ports:										
1934	2,801	22	1,465	248	1,066	10,972	16	2,330	2,050	6,575
1935	4,168	2	2,110	319	1,737	11,413	38	2,264	1,943	7,169
1936	3,962	4	1,902	358	1,698	12,187	16	2,163	2,084	7,924
1937	5,242	5	2,220	594	2,423	17,354	--------	3,161	3,675	10,518
Pacific ports:										
1934	2,013	--------	832	394	786	9,419	--------	2,284	2,702	4,433
1935	2,796	--------	920	835	1,041	9,639	--------	1,914	2,521	5,204
1936	2,977	--------	795	1,012	1,170	9,385	--------	1,903	2,172	5,310
1937	3,078	--------	773	1,011	1,294	12,184	--------	1,882	2,756	7,546
Great Lakes ports:										
1934	3,748	--------	1,739	1,943	66	8,146	--------	1,958	6,113	74
1935	4,076	--------	1,534	2,469	73	7,754	--------	1,669	6,039	46
1936	4,779	--------	831	3,900	48	8,463	--------	1,699	6,729	35
1937	3,667	--------	451	3,150	66	11,232	--------	1,814	9,360	58

[1] Not including Great Lakes cargoes, which are principally dry.

Source: Prior to 1936, Dept. of Commerce, U. S. Shipping Board Bureau; thereafter, U. S. Maritime Commission; Report No. 275 (Annual), Water-Borne Foreign Commerce of the U. S.

No. 515.—Water-Borne Imports and Exports—Cargo Tonnage, By Trade Regions and Countries: 1935, 1936, and 1937

Note.—In cargo tons of 2,240 pounds. See headnote, table 514. Note that a country may be accounted for in part under one trade region and in part under another. Regional totals include data for minor countries not shown

Foreign origin or destination	Imports			Exports		
	1935	1936	1937	1935	1936	1937
Grand total	33,965,678	38,395,748	42,062,821	38,145,865	39,714,046	54,557,725
United Kingdom inc. Irish Free State	947,899	948,049	963,799	3,943,832	3,833,071	5,815,216
England	717,700	731,444	766,031	3,424,677	3,204,857	4,696,796
Ireland inc. Irish Free State	11,878	14,383	10,710	110,559	135,233	201,423
Scotland	117,968	126,298	134,220	354,547	452,609	519,475
Wales	100,353	75,924	52,838	54,049	40,372	307,522
North Atlantic and Baltic Europe	1,796,524	2,143,560	2,154,140	1,306,335	1,323,640	2,032,068
Iceland		5,602	1,384			
Greenland	6,200	9,199	11,713		306	
U. S. S. R. (Soviet Union)	162,506	123,980	82,305	54,943	61,724	79,507
Finland	244,994	310,501	320,710	53,937	21,307	103,070
Norway	356,675	479,199	560,274	178,884	179,114	262,664
Sweden	726,748	974,429	996,608	506,407	487,790	744,022
Denmark	56,332	67,362	52,853	248,275	273,094	339,653
Danzig	114,171	30,054	24,200	38,748	21,307	28,720
Poland	88,309	94,807	80,857	135,757	119,937	419,118
Germany	1,461	1,661		73,476	96,577	28,196
Estonia	7,611	5,732	7,787	8,432	8,567	8,125
Latvia	29,195	32,155		1,476	1,717	15,843
Lithuania	2,422	3,879	15,449	6,000	10	3,150
Havre-Hamburg range	2,076,730	2,571,487	3,127,279	4,762,081	5,334,573	7,536,880
Germany	936,464	901,515	1,249,060	1,435,030	1,767,818	2,017,157
Netherlands	324,242	560,863	721,321	975,664	1,271,798	2,145,500
Belgium	706,407	986,628	1,009,625	1,013,290	1,221,364	1,751,613
France	109,617	122,481	146,373	1,338,097	1,073,593	1,622,550
South Atlantic Europe	494,775	540,463	661,410	948,105	828,753	961,454
France	14,350	13,888	15,346	514,255	508,008	555,889
Portugal	44,050	148,241	108,507	147,346	105,358	114,622
Spain	436,307	378,195	537,487	260,587	202,332	151,402
Canary Islands		56	1	22,783	11,851	138,166
Madeira				3,101	1,138	1,258
West Mediterranean	442,422	408,400	463,589	2,390,716	2,168,176	2,353,956
Spain	130,835	69,799	1,498	453,926	348,103	84,805
France	43,703	29,713	71,774	520,166	380,387	543,863
Italy	200,147	236,682	321,707	1,336,796	1,338,932	1,640,382
Yugoslavia	18,471	15,963	21,439	16,945	14,625	5,506
Malta	2	10	17	5,127	14,123	11,950
Tunisia	19,168	21,752	11,937	11,271	12,581	18,490
Algeria	30,095	34,478	33,771	43,342	58,698	48,061
East Mediterranean and Black Sea	863,552	950,557	1,009,739	369,338	487,709	413,555
Bulgaria		1,489	1,270	1,575		
Rumania	25,503	1,106	24,303	54,072	22,679	13,933
U. S. S. R. (Soviet Union)	667,615	766,929	748,940	17,837	27,427	17,210
Turkey	46,190	47,886	75,758	54,154	68,684	112,931
Cyprus	34,403	35,257	34,233			
Greece	42,788	48,919	61,513	96,847	264,881	130,512
Egypt	40,851	40,463	50,972	95,870	82,297	100,993
Libya				2,070	3,132	6,470
Palestine	674	713	938	25,322	12,350	14,593
Syria	4,030	7,684	11,279	20,987	6,259	16,913
West Indies	6,481,568	7,119,887	8,721,835	1,747,240	2,047,010	3,524,540
Cuba	3,010,672	3,458,482	4,287,218	978,998	1,126,570	1,365,795
Jamaica	49,247	27,573	29,057	95,506	87,011	154,538
Bahama Islands	12,359	18,155	21,183	15,595	17,748	16,484
Haiti	34,464	52,391	68,730	35,952	38,902	38,620
Dominican Republic	174,023	201,849	204,128	38,901	38,069	49,086
Lesser Antilles	3,199,840	3,360,212	4,109,941	557,347	709,297	1,875,093
Bermudas	963	1,225	1,578	24,941	29,413	34,924
Mexico	1,089,282	1,681,170	1,555,476	305,440	333,740	475,814
Central America	1,007,864	1,041,176	1,174,735	759,015	756,250	934,937
British Honduras	43,718	63,823	70,403	5,432	5,251	7,866
Guatemala	171,827	225,638	282,624	39,104	58,110	126,531
Honduras	319,915	314,122	265,471	85,105	67,393	58,494
Nicaragua	91,949	59,016	91,639	13,456	15,063	18,170
Costa Rica	87,140	105,714	148,680	19,978	26,288	30,494
Panama	124,292	119,172	106,215	9,772	7,619	7,348
Canal Zone	144,767	133,383	178,101	570,553	544,754	657,990
El Salvador	24,256	20,308	31,602	15,615	31,272	28,035

No. 515.—WATER-BORNE IMPORTS AND EXPORTS—CARGO TONNAGE, BY TRADE REGIONS AND COUNTRIES: 1935, 1936, AND 1937—Continued

Foreign origin or destination	Imports			Exports		
	1935	1936	1937	1935	1936	1937
North Coast South America	4,317,128	4,331,943	4,030,368	219,477	250,285	390,489
Venezuela	3,406,838	3,848,132	3,277,699	117,862	136,607	240,552
British Guiana	84,532	74,894	82,084	6,691	5,484	6,500
Surinam (Netherland Guiana)	108,685	237,312	376,181	9,713	11,818	13,041
French Guiana	10	----------	95	3,242	3,196	1,008
Colombia	717,063	171,605	294,309	81,969	93,180	120,388
East Coast South America	2,526,079	2,355,974	3,164,337	1,340,221	1,257,699	1,768,205
Brazil	738,634	846,365	859,870	554,642	565,595	810,993
Uruguay	64,744	67,236	53,637	177,592	96,874	138,043
Argentina	1,722,701	1,442,373	2,250,830	607,987	595,230	809,169
West Coast South America	1,608,035	2,203,560	2,540,559	519,861	530,232	880,793
Colombia	19,264	26,004	22,807	15,824	20,224	27,013
Chile	1,450,849	2,014,157	2,313,200	367,495	354,124	590,278
Peru	102,930	113,185	162,370	123,794	141,888	218,627
Ecuador	34,992	50,214	42,182	12,748	13,996	44,875
West Africa	324,847	486,154	650,218	136,086	167,541	195,789
Morocco	11,129	14,526	20,564	17,939	20,530	23,061
Senegal	----------	10	16	7,446	10,505	14,292
French Guinea	1,576	1,032	1,372	2,852	3,560	4,503
Sierra Leone	3,233	2,437	7,086	4,276	4,623	4,974
Liberia	758	1,981	4,029	2,284	3,458	5,634
Ivory Coast	14,021	22,237	25,262	12,158	15,610	21,022
Gold Coast	213,091	373,510	470,830	39,207	48,318	57,248
Togo	----------	1,896	2,762	2,557	3,099	2,309
Dahomey	6,251	1,571	9,180	2,848	4,309	4,333
Nigeria	46,929	43,499	79,512	22,200	30,675	31,617
Cameroons	6,784	2,697	3,316	6,550	8,365	7,958
Gabon	----------	53	28	5,514	5,095	6,933
Belgian Congo	21,050	20,603	26,259	4,202	3,775	6,413
South and East Africa	126,204	196,279	361,648	484,785	620,311	813,346
Union of South Africa	11,272	17,624	55,635	295,569	422,852	552,257
Mozambique	97,846	147,284	275,133	126,556	143,183	170,561
Tanganyika Territory and Kenya	16,194	31,247	30,880	19,188	32,409	37,516
Italian Somaliland	----------	----------	----------	27,494	7,249	13,892
French Somaliland	203	124	----------	1,777	1,112	23,794
Madagascar	689	----------	----------	6,828	6,039	8,190
Mauritius	----------	----------	----------	4,142	4,760	3,928
Reunion	----------	----------	----------	3,232	2,707	3,208
Australia and Antarctic Region	320,065	235,550	318,248	985,036	861,740	968,309
New Zealand	41,313	29,450	31,306	277,680	254,627	251,328
Australia	209,269	131,752	167,618	662,944	566,674	681,891
Fiji Islands	3,294	1,861	10,601	6,686	4,572	10,009
New Caledonia	60,625	57,287	52,230	2,799	4,452	5,639
Society Islands	1,233	537	1,711	20,364	20,823	4,893
Antarctic Region	----------	10,460	41,398	10,100	----------	----------
East Indies	880,378	894,063	1,229,095	148,567	163,885	312,790
Straits Settlements and Federated Malay States	372,342	394,198	454,230	36,775	41,881	83,836
French Indo-China and Siam	568	3,208	----------	22,114	24,863	18,756
Sumatra	151,945	210,159	259,649	12,322	15,165	34,563
Java	325,464	274,962	490,269	75,272	79,862	162,866
Borneo	3,830	1,100	7,095	----------	599	10,827
Celebes	26,229	10,436	17,147	2,084	1,515	1,942
East Asia	1,980,593	2,315,172	2,527,737	7,313,824	7,330,572	10,465,863
China	279,645	293,275	267,968	880,987	766,034	1,117,764
U. S. S. R. (Soviet Union)	381	777	4,081	602	77,686	187,105
Japan	699,805	678,603	777,748	5,847,194	5,844,243	8,503,741
Philippine Islands	1,000,762	1,342,517	1,477,940	585,041	642,009	657,253
India, Persian Gulf, and Red Sea	703,846	921,118	1,069,314	200,783	210,872	334,670
Eritrea	----------	----------	----------	17,036	10,242	27,218
Anglo-Egyptian Sudan	5,706	5,063	6,037	835	814	1,998
Egypt	1,167	54,613	32,540	285	987	1,954
Iraq	35,664	32,502	31,131	----------	656	5,989
Arabia	4,919	3,794	3,794	8,454	16,482	18,273
Iran (Persia)	1,500	----------	2,841	----------	4,279	5,614
India	598,445	768,926	931,046	167,534	170,598	251,343
Ceylon	56,445	56,220	62,104	6,639	6,814	22,281
Canada	5,977,887	7,051,186	6,339,295	10,265,121	11,217,987	14,389,051
Pacific	675,627	751,351	879,558	966,348	1,036,630	1,111,532
Atlantic and Newfoundland	1,289,054	1,564,458	1,852,867	1,560,337	1,737,490	2,083,408
Great Lakes	4,013,206	4,735,377	3,606,870	7,738,436	8,443,867	11,194,111

Source: Figures for 1935, Dept. of Commerce, U. S. Shipping Board Bureau; thereafter, U. S. Maritime Commission; Report No. 275 (Annual), Water-Borne Foreign Commerce of the U. S.

No. 516.—Water-Borne Imports and Exports—Cargo Tonnage, by States and Ports: 1935, 1936, and 1937

Note.—In cargo tons of 2,240 pounds. See headnote, table 514. State totals cover all tonnage, including that of small ports not shown

State and port	Imports			Exports		
	1935	1936	1937	1935	1936	1937
Grand total	33, 965, 678	38, 395, 748	42, 062, 821	38, 145, 865	39, 714, 046	54, 557, 725
North Atlantic District	21, 875, 225	25, 418, 991	28, 448, 078	8, 447, 915	8, 708, 942	12, 612, 218
Maine, total	516, 640	512, 902	583, 854	55, 354	64, 712	143, 074
Portland	293, 786	290, 915	301, 176	41, 787	57, 172	109, 914
New Hampshire: Portsmouth	25, 725	46, 450	52, 740	6, 483	1, 791	11, 417
Massachusetts, total	2, 450, 882	2, 538, 326	2, 456, 151	281, 455	291, 090	422, 888
Boston	1, 803, 360	1, 895, 949	2, 072, 368	280, 090	291, 087	422, 784
Everett	541, 419	575, 128	308, 867			
Fall River	49, 119	18, 962	23, 476			
Rhode Island, total	312, 258	205, 850	229, 550	16, 329	8, 090	43, 254
Providence	310, 962	203, 450	229, 550	16, 329	8, 090	43, 254
Connecticut, total	51, 199	71, 935	53, 091			
New Haven	22, 154	35, 352	25, 007			
New London	16, 417	21, 372	19, 688			
New York, total [1]	10, 839, 092	12, 475, 870	13, 885, 706	5, 138, 124	5, 420, 266	7, 279, 378
New York [1]	10, 237, 418	12, 087, 575	13, 473, 678	5, 051, 071	5, 264, 802	7, 136, 755
New Jersey, total	58, 472	52, 244	125, 651	64, 656	78, 595	88, 048
Paulsboro	39, 780	36, 133	97, 774	62, 608	76, 696	88, 048
Pennsylvania: Philadelphia [1]	3, 058, 231	3, 548, 708	3, 937, 396	1, 209, 222	980, 290	1, 385, 165
Delaware: Wilmington	400, 033	537, 850	632, 974	2, 304	10, 179	1, 643
Maryland: Baltimore	3, 393, 943	4, 632, 957	5, 538, 625	609, 679	745, 505	1, 571, 425
Virginia, total	768, 750	795, 899	952, 340	1, 064, 309	1, 108, 424	1, 665, 926
Newport News	90, 862	151, 496	145, 563	303, 350	321, 093	531, 208
Norfolk	660, 863	623, 054	786, 711	633, 345	674, 274	1, 026, 671
South Atlantic District	1, 050, 900	1, 259, 785	1, 627, 644	891, 427	971, 269	1, 175, 757
North Carolina, total	143, 820	141, 401	214, 937	26, 934	35, 638	118, 692
Wilmington	143, 820	139, 732	214, 937	26, 934	35, 638	63, 355
South Carolina, total	304, 005	323, 867	490, 366	198, 019	199, 543	210, 605
Charleston	304, 005	323, 867	482, 966	198, 019	199, 543	210, 605
Georgia, total	406, 766	462, 564	569, 694	334, 021	318, 358	409, 902
Brunswick	16, 116	12, 334	11, 478	38, 988	34, 229	30, 897
Savannah	390, 650	450, 230	558, 216	295, 033	284, 129	379, 005
Florida, east coast, total	196, 309	331, 903	352, 647	332, 453	417, 730	436, 558
Fernandina				101, 176	115, 575	68, 500
Jacksonville	163, 645	232, 112	252, 054	207, 085	223, 422	245, 887
Port Everglades	6, 629	67, 257	68, 861	13, 723	60, 346	103, 421
Gulf District	4, 168, 010	3, 961, 745	5, 242, 40	11, 413, 499	12, 186, 612	17, 353, 837
Florida, west coast, total	208, 447	248, 601	314, 819	1, 397, 795	1, 372, 727	1, 316, 621
Boca Grande	2			182, 063	208, 006	119, 824
Panama City	17, 483	36, 582	42, 622	38, 674	40, 509	61, 870
Pensacola	76, 105	110, 939	140, 827	189, 807	149, 858	150, 657
Tampa	90, 524	99, 485	130, 414	952, 502	970, 353	983, 107
Alabama: Mobile	273, 544	282, 159	504, 525	394, 580	416, 715	771, 714
Mississippi	65, 971	88, 512	116, 987	78, 964	98, 449	106, 561
Louisiana, total	2, 456, 682	2, 547, 824	3, 472, 954	2, 100, 407	2, 417, 830	3, 396, 273
Baton Rouge	125, 015	284, 829	334, 623	373, 233	480, 018	657, 137
Lake Charles	20, 160	15, 374	42, 764	232, 600	314, 203	329, 505
New Orleans	2, 197, 389	2, 222, 962	3, 085, 027	1, 471, 055	1, 560, 698	2, 327, 031
Texas, total	1, 163, 366	794, 649	833, 255	7, 441, 744	7, 880, 891	11, 762, 668
Beaumont	11, 843	6, 379	2, 950	847, 045	796, 984	1, 157, 328
Corpus Christi	3, 530	3, 550	6, 977	461, 389	615, 811	1, 603, 655
Freeport				111, 028	135, 039	121, 403
Galveston	201, 978	173, 674	223, 331	605, 188	827, 891	1, 378, 696
Houston	799, 084	414, 847	470, 672	2, 970, 768	3, 123, 591	3, 981, 225
Port Arthur	85, 147	168, 488	88, 456	2, 309, 399	2, 132, 513	2, 830, 076
Port Neches	30, 833		8, 184	45, 362	40, 686	54, 235
Texas City	19, 986	5, 814	14, 150	58, 435	184, 945	606, 530

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

No. 516.—Water-Borne Imports and Exports—Cargo Tonnage, by States and Ports: 1935, 1936, and 1937—Continued

State and port	Imports			Exports		
	1935	1936	1937	1935	1936	1937
Pacific District	**2,795,619**	**2,976,424**	**3,077,844**	**9,638,868**	**9,384,787**	**12,183,776**
California, total	1,651,846	1,878,754	1,879,936	7,600,278	7,424,272	9,933,662
Eureka			9,116	19,834	19,182	29,546
Los Angeles	744,708	868,889	838,450	4,157,349	3,931,204	5,311,493
San Diego	13,504	20,174	16,440	10,309	4,681	9,587
San Francisco (all ports in Bay)	893,634	989,691	1,015,878	2,040,413	2,243,070	2,838,079
Port San Luis			52	1,372,373	1,226,135	1,744,957
Oregon, total	137,833	147,599	139,077	607,905	693,346	882,418
Astoria	1,155	22		24,710	60,260	46,550
Coos Bay				167,708	218,981	231,987
Portland	134,478	143,577	136,676	381,575	388,346	585,059
Washington, total	1,005,940	950,071	1,058,831	1,430,685	1,267,169	1,367,696
Anacortes	9,312	4,081	5,007	23,452	20,792	21,706
Bellingham	24,640	11,891	13,049	76,865	70,977	56,109
Everett	31,410	12,024	19,920	111,764	111,296	75,667
Grays Harbor	970		2,313	231,325	257,583	255,834
Longview	1,032	2,269		72,264	66,026	109,331
Olympia	943	195	540	78,910	34,599	28,011
Port Angeles	186,994	187,432	234,947	41,148	28,031	21,301
Port Townsend	57,668	50,560	40,795	839		
Seattle	296,361	310,911	355,752	389,562	298,803	396,042
Tacoma	384,954	354,680	371,082	269,210	292,383	321,632
Willapa Harbor	3,171	1,752	1,200	98,530	73,794	51,427
Great Lakes District	**4,075,924**	**4,778,853**	**3,666,715**	**7,754,156**	**8,462,436**	**11,232,137**
New York, total	2,482,644	2,265,386	1,183,879	1,592,900	1,631,482	1,927,108
Buffalo	2,111,723	1,844,279	777,908	870,178	899,038	787,683
Ogdensburg	83,673	77,244	105,201	3,096	22	
Oswego	26,613	28,474	26,409	91,609	148,346	245,161
Rochester	114,421	112,361	81,871	311,594	291,441	465,068
Sodus Point				296,995	277,961	419,646
Tonawanda	30,476	57,769	74,369	4,200		702
Waddington	62,732	93,053	68,100			7
Pennsylvania: Erie	173,744	236,395	162,123	405,927	568,707	814,789
Ohio, total	250,147	377,151	421,966	4,535,944	5,144,751	6,168,220
Ashtabula				1,246,539	1,468,060	1,617,988
Cleveland	87,698	209,077	226,934	539,139	364,239	352,010
Conneaut				259,102	429,660	459,054
Fairport			3,760	344,318	356,586	409,776
Lorain	2,496	3,188	9,913	124,248	143,951	235,473
Sandusky	2,528	393	6,869	388,233	578,944	570,391
Toledo	155,325	164,493	174,490	1,626,760	1,796,861	2,522,093
Indiana		5,107	8,241	4,449	7,260	27,013
Illinois: Chicago	394,732	442,371	757,489	209,327	241,988	390,754
Michigan, total	364,697	433,239	450,972	486,364	334,189	630,317
Detroit	141,098	210,272	196,145	200,887	162,503	157,439
Escanaba	3,655	5,346	12,737	61,272	90,275	182,384
Marquette				98,811	27,852	145,107
Port Huron	62,057	67,312	57,815	4,718	6,443	5,228
South Haven	85,795	53,903	40,704	30	1,771	
Wisconsin, total	346,277	765,452	627,207	487,885	514,352	1,112,217
Ashland	72,124	68,774	141,230	94,929	169,940	250,524
Milwaukee	98,029	178,564	116,435	2,509	46,561	79,317
Superior	70,453	328,917	107,600	388,909	297,851	706,776
Minnesota: Duluth	63,683	253,752	54,838	31,360	19,707	155,719

Source: Figures for 1935, Dept. of Commerce, U. S. Shipping Board Bureau; thereafter, U. S. Maritime Commission; Report No. 208 (Annual), Foreign Commerce of U. S. Ports.

No. 517.—Water-Borne Imports and Exports—Cargo Tonnage, by Major Commodities, 1934 to 1937, and by Coastal Districts, 1937

Note.—In thousands of cargo tons of 2,240 pounds. See headnote, table 514. Leaders indicate no data or less than 500 tons

Commodity	1934	1935	1936	1937					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Imports, total	29,814	33,966	38,396	42,063	28,448	1,628	5,242	3,078	3,667
Wheat	1,689	2,104	2,099	402	9	------	3	1	389
Corn	27	1,025	902	1,976	669	5	382	212	708
Other grains	718	699	739	398	240	2	23	16	117
Oil seeds	424	624	600	826	705	1	16	63	41
Vegetable oils	373	640	631	743	529	9	110	95	------
Vegetables and vegetable products, not elsewhere specified	669	702	797	1,009	749	26	58	171	5
Animal, fish, and dairy products	285	451	407	452	343	6	23	73	7
Bananas	1,124	1,260	1,340	1,473	719	103	562	89	------
Coconuts and copra	260	302	238	304	54	1	42	207	------
Other fruits and nuts	224	218	250	274	199	28	19	25	3
Sugar	2,890	2,116	2,564	2,863	1,948	145	678	90	2
Molasses	1,060	1,229	1,258	1,689	966	3	693	27	------
Coffee	741	800	820	791	476	8	206	101	------
Cocoa	212	246	281	285	279	------	3	3	------
Tobacco and manufactures	32	35	29	47	42	------	3	2	------
Cotton	55	42	72	70	63	------	1	6	------
Cotton manufactures	60	89	178	169	126	------	2	41	------
Wool	46	88	115	148	146	------	------	2	------
Wool manufactures	7	10	7	7	6	------	------	1	------
Silk	25	32	24	24	22	------	------	2	------
Silk manufactures	7	4	5	5	4	------	------	1	------
Jute	52	64	75	116	102	8	4	2	------
Jute manufactures	194	281	321	384	196	22	110	56	------
Other vegetable fibers and grasses	215	235	232	276	154	1	62	16	43
Textiles and manufactures, n. e. s.	75	90	131	146	114	1	15	10	6
Hides, skins, and manufactures	92	138	149	156	151	------	------	5	------
Furs and fur skins	13	18	15	14	14	------	------	------	------
Rubber	488	463	496	613	539	1	15	58	------
Pulpwood and wood pulp	2,435	2,455	2,820	3,099	1,690	------	37	99	1,273
Paper stock, n. e. s.	43	78	51	45	33	------	1	11	------
Paper and manufactures	753	860	903	1,184	547	53	144	163	277
Clays	124	163	172	201	179	------	2	9	11
Clay manufactures	66	79	79	90	58	2	3	27	------
Coal and coke	598	798	839	577	463	------	------	110	4
Petroleum and products	7,280	7,725	8,331	8,438	7,464	286	651	15	22
Gypsum	328	392	592	706	691	4	15	56	------
Pyrites	378	439	451	518	486	14	------	17	1
Nonmetallic minerals, n. e. s.	442	545	830	1,092	522	57	38	97	378
Iron ore	1,645	1,731	2,602	2,908	2,787	------	1	2	118
Manganese and manganese ore	315	435	803	1,361	1,273	------	74	6	8
Iron and steel and manufactures	333	492	674	635	397	14	92	87	45
Copper and manufactures	300	376	323	468	284	------	------	184	------
Miscellaneous metals and mfrs.	339	527	695	826	232	------	450	122	22
Logs and lumber	384	678	825	966	468	5	82	390	21
Dyeing and tanning materials	173	148	150	169	162	------	6	1	------
Potash	357	436	364	581	224	233	97	12	15
Nitrates	525	542	700	832	149	414	214	55	------
Other fertilizers	145	178	252	392	146	81	90	70	5
Pigments, chemicals, and mfrs., n. e. s.	405	409	503	633	255	91	204	71	12
All other	388	486	542	622	374	4	11	99	134
Exports, total	37,821	38,146	39,714	54,558	12,612	1,176	17,354	12,184	11,232
Wheat	1,333	881	1,061	1,545	621	------	526	183	215
Rye	------	12	2	104	33	------	------	------	71
Corn	85	25	44	225	69	1	113	------	42
Barley	126	162	153	255	42	1	1	149	62
Oats	6	20	13	101	2	------	4	1	94
Rice	43	78	13	108	2	------	91	15	------
Other grains	14	13	19	33	27	------	5	------	1
Wheat flour	385	288	321	394	226	------	64	98	9
Oil-cake and meal	213	215	238	381	313	1	49	9	6
Vegetables and vegetable products, n. e. s.	192	227	263	291	195	1	32	33	30
Animal, fish, and dairy products	417	243	229	239	94	44	36	63	2
Fruits and nuts	654	851	620	576	115	3	29	428	1
Sugar	159	111	88	92	79	1	9	2	1
Naval stores	260	301	308	274	7	173	92	1	1
Tobacco and manufactures	228	207	202	229	175	23	30	1	------
Cotton	1,371	1,399	1,325	1,405	31	63	1,147	164	------
Cotton manufactures	38	37	48	72	51	14	5	2	------
Other textiles and manufactures	72	77	63	62	48	------	10	4	------
Hides, skins, and manufactures	31	24	19	27	20	------	------	7	------
Rubber and manufactures	48	46	45	65	46	------	3	16	------
Paper stock and manufactures	355	381	372	563	226	5	46	282	4

No. 517.—Water-Borne Imports and Exports—Cargo Tonnage, by Major Commodities, 1934 to 1937, and by Coastal Districts, 1937—Continued

Commodity	1934	1935	1936	1937					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Exports—Continued.									
Coal and coke	7,978	7,222	8,042	10,107	1,092	57	76	1	8,881
Petroleum and products	13,021	14,333	14,745	20,274	1,531	7	10,236	8,450	50
Sulphur	499	404	558	682	2	-------	679	1	-------
Cement	76	54	53	62	54	-------	6	2	-------
Nonmetallic minerals and mfrs. n. e. s.	255	331	286	472	127	27	52	54	212
Iron ore	607	647	602	1,256	13	-------	-------	1	1,242
Iron, steel, and manufactures	2,519	2,589	2,782	6,731	4,183	471	1,505	408	164
Machinery	178	239	290	433	353	4	54	21	1
Vehicles	482	591	563	799	762	4	15	17	1
Copper and manufactures	294	282	236	325	212	-------	38	75	-------
Ores, metals and manufactures n. e. s.	232	206	185	230	96	9	105	19	1
Logs and lumber	2,855	2,742	2,699	2,750	154	169	1,093	1,332	2
Phosphates	1,029	1,143	1,209	1,099	49	81	965	-------	4
Other fertilizers	251	302	342	304	221	1	23	59	-------
Pigments, chemicals, and mfrs. n. e. s.	653	535	579	652	311	3	151	169	18
All other	860	929	1,097	1,341	1,030	13	64	117	117

Source: Prior to 1936, Dept. of Commerce, U. S. Shipping Board Bureau; thereafter, U. S. Maritime Commission; Report No. 275 (Annual), Water-Borne Foreign Commerce of the U. S.

No. 518.—Vessels Entered and Cleared in Foreign Trade—Net Tonnage: 1840 to 1938

Note.—Domestic trade is not included. For definition of net tonnage see general note, p. 434. Figures cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the marked effect of the war on shipping a special average for the 6½ years July 1, 1914, to Dec. 31, 1920, is presented

[In thousands of net tons]

Yearly average or year	Entered		Cleared	
	Seaports	Other ports	Seaports	Other ports
1840 [1]	1,788	501	1,861	492
1850	3,169	1,179	3,167	1,194
1860	5,000	3,275	5,257	3,533
1870	6,270	2,886	6,362	2,807
1871–1875	8,462	2,997	8,514	2,994
1876–1880	12,134	2,792	12,197	2,807
1881–1885	13,604	2,931	13,781	2,917
1886–1890	13,479	2,602	13,655	2,593
1891–1895	16,801	2,816	16,965	2,876
1896–1900	20,931	3,989	21,077	4,007
1901–1905	24,551	5,939	24,633	5,918
1906–1910	29,651	8,071	29,156	8,036
1911–1915	36,035	11,879	35,954	12,061
1915–1920 [2]	38,071	13,440	40,137	13,511
1921–1925	52,959	13,334	53,578	13,075
1926–1930	63,768	15,293	64,441	15,319
1931–1935	54,928	10,462	55,214	10,350
1910–1914	35,212	11,408	34,965	11,614
1914–1920 [3]	37,604	13,169	39,417	13,190
1893	16,679	2,903	16,825	2,936
1894	17,025	2,965	17,306	2,966
1895	16,725	2,570	17,024	2,727
1896	17,453	3,536	17,810	3,596
1897	20,003	3,757	19,878	3,831
1898	21,700	3,879	21,892	3,856
1899	21,963	4,148	22,177	4,089
1900	23,534	4,629	23,618	4,663
1901	24,791	4,977	24,889	4,931
1902	24,361	6,293	24,242	6,202
1903	24,698	6,396	24,823	6,493
1904	24,111	5,841	24,192	5,824
1905	24,793	6,190	25,020	6,138
1906	27,401	6,754	26,970	6,814

Year	Entered		Cleared	
	Seaports	Other ports	Seaports	Other ports
1907	29,248	7,374	28,499	7,491
1908	30,444	8,095	30,198	8,084
1909	30,243	8,815	29,604	8,592
1910	30,917	9,319	30,510	9,196
1911	32,457	10,218	32,299	10,138
1912	34,659	11,490	34,706	11,711
1913	37,973	12,669	37,566	13,586
1914	40,052	13,337	39,743	13,440
1915	35,032	11,678	36,458	11,427
1916	37,744	13,806	38,946	13,477
1917	36,521	13,951	38,094	13,983
1918	31,101	14,356	31,869	14,145
1918 (July–Dec.)	16,113	8,916	16,112	9,360
1919	36,381	10,320	40,750	10,506
1920	51,532	12,572	54,981	12,837
1921	49,958	12,327	50,423	12,242
1922	51,701	13,490	51,799	13,040
1923	52,775	13,544	53,215	13,409
1924	54,726	13,565	55,294	13,616
1925	55,636	13,742	57,160	13,069
1926	63,759	13,174	65,583	13,458
1927	58,921	15,389	59,759	15,682
1928	62,809	17,402	63,331	17,336
1929	66,852	15,749	67,030	15,313
1930	66,499	14,753	66,500	14,808
1931	60,427	12,355	61,204	12,297
1932	55,229	9,607	54,900	9,547
1933	51,564	9,372	52,083	9,204
1934	53,132	10,655	53,162	10,541
1935	54,289	10,324	54,722	10,165
1936	55,038	10,934	55,381	10,686
1937	59,980	11,580	61,177	11,704
1938	59,223	11,293	60,064	11,222

[1] Year ended Sept. 30.
[2] Average for period July 1, 1915, to Dec. 31, 1920.
[3] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Prior to 1936, Department of Commerce, Bureau of Foreign and Domestic Commerce; thereafter, Treasury Department, Bureau of Customs; records.

No. 519.—Vessels Entered and Cleared in Foreign Trade—Net Tonnage by Regions and by Customs Districts: 1935 to 1938

Note.—In thousands of net tons. See headnote, table 518

Customs district	1935		1936		1937		1938	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	64,812	64,887	65,972	66,066	71,560	72,880	70,516	71,286
Seaports, total	54,289	54,722	55,038	55,381	59,980	61,177	59,223	60,064
North Atlantic coast, total	26,059	24,906	26,742	25,569	28,701	27,328	26,719	25,967
Maine, New Hampshire	664	419	664	416	665	503	615	383
Massachusetts	3,956	2,954	4,168	3,199	4,442	3,094	3,444	2,822
Rhode Island	143	112	89	101	107	122	65	85
Connecticut	44	30	36	29	28	20	25	25
New York	19,314	19,632	19,587	20,145	21,108	21,700	20,608	21,117
Philadelphia	1,938	1,759	2,198	1,679	2,351	1,890	1,962	1,535
South Atlantic coast, total	4,693	5,305	4,747	5,471	5,190	5,985	4,647	5,242
Maryland	1,375	1,090	1,707	1,426	2,055	1,675	1,719	1,442
Virginia	841	1,588	791	1,641	901	1,801	835	1,507
North Carolina	98	49	113	55	132	129	141	76
South Carolina	379	194	395	226	459	279	413	210
Georgia	234	398	249	444	322	442	264	396
Puerto Rico	1,133	1,131	1,147	1,137	948	1,081	795	892
Virgin Islands [1]	633	855	347	540	374	578	480	719
Gulf coast, total	8,300	9,042	8,840	9,613	10,531	11,679	11,932	12,605
Florida	1,641	1,600	1,967	1,971	2,055	2,080	2,114	1,921
Mobile	350	555	364	600	529	825	688	896
New Orleans	2,843	3,041	2,950	3,175	3,669	3,690	3,642	3,637
Sabine	1,384	1,479	1,379	1,420	1,610	1,950	1,868	2,104
Galveston	2,082	2,367	2,179	2,447	2,668	3,133	3,620	4,047
Mexican border: San Antonio	209	224	314	273	684	729	1,103	1,145
Pacific coast, total	15,028	15,245	14,395	14,454	14,873	15,455	14,822	15,105
Washington	5,664	5,354	5,140	5,002	5,233	5,015	5,396	4,936
Oregon	322	455	320	432	373	425	482	385
San Francisco	1,583	1,714	1,592	1,661	1,519	1,909	1,716	2,275
Los Angeles	5,345	5,927	5,254	5,655	5,937	6,461	5,430	6,067
Alaska	181	238	191	220	220	226	191	248
Hawaii	1,456	1,457	1,479	1,428	1,319	1,358	1,281	1,101
San Diego	477	100	419	57	272	61	326	93
Northern border, total	10,323	10,165	10,934	10,686	11,580	11,704	11,293	11,222
Vermont	4	5	5	5	4	4	3	3
St. Lawrence	427	394	469	451	496	461	457	430
Rochester	1,865	1,858	1,858	1,840	2,204	2,192	2,340	2,282
Buffalo	1,823	789	1,648	876	936	740	805	556
Ohio	3,267	3,615	3,572	4,070	4,324	4,724	4,051	3,764
Michigan	1,673	2,022	1,779	1,902	1,888	1,891	1,526	1,803
Chicago	313	403	357	426	492	557	702	943
Wisconsin	445	343	572	396	464	375	690	567
Duluth and Superior	506	736	674	721	771	760	719	874

Yearly average or year	Atlantic coast		Gulf coast		Pacific coast		Mexican border, total	Northern border	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entrances:									
1901–1905	17,427	15,149	4,056	1,770	3,068	2,286	--------	5,939	2,602
1906–1910	20,921	18,494	5,159	2,420	3,570	2,707	--------	8,072	3,207
1911–1915	24,293	20,708	6,635	3,377	5,055	3,649	52	11,879	4,564
1915–1920 [2]	24,581	16,094	7,939	4,646	5,487	4,329	64	13,440	5,646
1921–1925	30,979	27,133	12,390	8,243	9,562	6,070	28	13,334	6,475
1926–1930	36,884	33,003	11,634	7,415	15,100	8,247	150	15,293	7,700
1931–1935	31,721	28,668	8,058	4,858	14,968	9,239	180	10,462	4,997
1936	31,489	28,765	8,840	5,507	14,395	10,336	314	10,934	5,300
1937	33,891	30,467	10,531	6,017	14,873	9,762	684	11,580	5,288
1938	31,366	27,439	11,932	5,681	14,822	9,598	1,103	11,293	5,085
Clearances:									
1901–1905	17,077	15,714	4,499	4,328	3,057	2,418	--------	5,918	3,825
1906–1910	20,162	18,659	5,477	5,187	3,517	2,922	--------	8,036	5,673
1911–1915	23,608	21,765	7,193	6,414	5,104	4,643	50	12,060	8,567
1916–1920 [2]	25,021	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	10,350	7,309
1936	31,040	22,998	9,613	8,378	14,454	13,027	273	10,686	7,542
1937	33,314	24,851	11,679	10,125	15,455	14,173	729	11,704	9,390
1938	31,209	23,679	12,605	11,189	15,105	13,766	1,145	11,222	9,348

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

Source: Prior to 1936, Department of Commerce, Bureau of Foreign and Domestic Commerce; thereafter, Treasury Department, Bureau of Customs; records.

No. 520.—Vessels Entered in Foreign Trade—Net Tonnage, by Classes: 1881 to 1938

[All figures except number of vessels and percentages in thousands of net tons. See headnote, table 518]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Per cent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881–1890	32,038	16,308	3,395	12,913	20.7	13,542	5,251	8,291	11,560	1,982
1891–1900	31,781	22,269	4,978	17,291	22.4	18,866	3,816	15,050	14,184	4,682
1901–1905	34,040	30,490	6,802	23,688	22.3	24,551	2,606	21,945	19,205	5,346
1906–1910	34,375	37,722	8,372	29,350	22.2	29,650	1,816	27,834	23,621	6,029
1911–1915	38,951	47,914	12,205	35,709	25.5	36,035	1,574	34,461	27,778	8,257
1915–1920 [1]	42,713	51,511	21,999	29,512	42.7	38,071	1,899	36,173	25,128	12,943
1921–1925	41,546	66,293	29,645	36,648	44.7	52,959	1,004	51,955	41,471	11,488
1926–1930	45,846	79,062	30,314	48,748	38.3	63,768	472	63,296	48,710	15,058
1931–1935	31,338	65,390	23,847	41,543	36.4	54,928	227	54,701	42,835	12,093
1910–1914	38,038	46,619	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914–1920 [2]	42,257	50,773	20,657	30,116	40.7	37,604	1,853	35,750	24,938	12,666
1924	42,435	68,292	29,628	38,664	43.4	54,726	849	53,877	42,403	12,323
1925	42,019	69,378	27,947	41,431	40.3	55,636	731	54,905	43,450	12,186
1926	44,757	76,933	26,890	50,043	35.0	63,759	549	63,210	45,113	18,646
1927	45,459	74,310	29,289	45,021	39.4	58,921	530	58,391	45,462	13,458
1928	48,252	80,211	31,285	48,926	39.0	62,809	453	62,356	48,767	14,052
1929	46,687	82,602	32,241	50,361	39.0	66,853	456	66,397	51,919	14,934
1930	44,076	81,253	31,866	49,387	39.2	66,499	373	66,127	52,298	14,201
1931	36,373	72,782	26,907	45,875	37.0	60,427	241	60,186	47,265	13,162
1932	30,318	64,837	24,278	40,559	37.4	55,229	236	54,994	42,701	12,528
1933	28,019	60,936	22,488	38,448	36.9	51,564	180	51,384	40,410	11,154
1934	29,736	63,787	23,192	40,594	36.2	53,132	196	52,936	41,297	11,835
1935	32,246	64,612	22,372	42,240	34.6	54,289	281	54,008	42,501	11,788
1936	33,439	65,972	20,682	45,290	31.3	55,038	311	54,727	44,675	10,363
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

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881–1890	2,933	2,559	10,609	9,001	21.7	2,766	1,976	462	2,304
1891–1900	3,619	2,956	15,247	11,228	19.2	3,403	1,589	1,359	2,044
1901–1905	3,962	3,246	20,589	15,960	16.1	5,939	2,602	2,840	3,099
1906–1910	4,175	3,471	25,475	20,150	14.1	8,072	3,207	4,197	3,875
1911–1915	5,276	4,200	30,759	23,578	14.6	11,879	4,564	6,929	4,950
1915–1920 [1]	14,508	11,375	23,563	13,753	38.1	13,440	5,646	7,490	5,950
1921–1925	22,526	18,404	30,433	23,068	42.5	13,334	6,455	7,119	6,215
1926–1930	23,182	18,809	40,586	29,901	36.4	15,293	7,700	7,132	8,162
1931–1935	19,854	16,870	35,074	25,865	36.1	10,463	4,997	3,993	6,469
1910–1914	4,753	3,787	30,459	24,309	13.5	11,407	4,501	6,575	4,832
1914–1920 [2]	13,327	10,481	24,276	14,456	35.4	13,169	5,430	7,330	5,840
1924	22,462	18,267	32,264	24,136	41.0	13,565	6,335	7,166	6,399
1925	21,148	17,033	34,487	26,417	38.0	13,742	7,323	6,798	6,944
1926	21,091	17,103	42,668	28,010	33.1	13,174	7,131	5,799	7,375
1927	22,001	17,668	36,920	27,794	37.3	15,389	7,824	7,288	8,101
1928	22,991	18,404	39,818	30,353	36.6	17,402	8,571	8,294	9,108
1929	25,208	20,541	41,645	31,378	37.7	15,749	7,558	7,034	8,716
1930	24,620	20,330	41,879	31,968	37.0	14,753	7,418	7,245	7,508
1931	21,499	18,123	38,929	29,142	35.6	12,355	5,980	5,408	6,946
1932	20,643	17,396	34,587	25,306	37.4	9,607	4,869	3,635	5,973
1933	19,051	16,123	32,513	24,287	36.9	9,372	4,444	3,437	5,934
1934	19,186	16,500	33,946	24,297	36.1	10,655	4,717	4,006	6,649
1935	18,893	16,206	35,395	26,295	34.8	10,324	4,976	3,479	6,845
1936	17,510	15,360	37,528	29,314	31.8	10,934	5,300	3,172	7,762
1937	16,747	14,661	43,233	31,667	27.9	11,580	5,288	2,780	8,800
1938	15,899	13,080	43,324	29,726	26.8	11,293	5,085	3,121	8,172

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] Average for period July 1, 1914, to Dec. 31, 1920.

Source: *Prior to 1936, Department of Commerce, Bureau of Foreign and Domestic Commerce; thereafter,* Treasury Department, Bureau of Customs; records.

No. 521.—Vessels Cleared in Foreign Trade—Net Tonnage, by Classes: 1881 to 1938

[All figures except number of vessels and percentages in thousands of net tons. See headnote, table 518]

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	33,803	30,551	6,812	23,739	22.3	24,633	2,621	22,012	22,460	2,173
1906-1910	33,897	37,192	8,282	28,910	22.3	29,156	1,850	27,306	26,768	2,388
1911-1915	38,790	48,015	12,512	35,503	26.1	35,955	1,654	34,301	32,827	3,128
1915-1920 [1]	42,687	53,647	23,005	30,643	42.9	40,137	2,057	38,080	34,851	5,286
1921-1925	40,120	66,653	29,554	37,099	44.3	53,578	984	52,594	42,233	11,345
1926-1930	44,082	79,760	30,709	49,051	38.5	64,441	467	63,973	52,581	11,860
1931-1935	30,520	65,565	23,616	41,949	36.0	55,214	221	54,993	44,990	10,224
1910-1914	37,883	46,579	11,590	34,989	24.9	34,965	1,620	33,345	32,024	2,941
1914-1920 [2]	42,141	52,607	21,529	31,078	40.9	39,417	2,010	37,407	34,394	5,023
1924	41,100	68,910	30,092	38,818	43.7	55,294	810	54,483	43,787	11,506
1925	40,370	70,229	27,808	42,421	39.6	57,160	746	56,414	45,750	11,410
1926	43,951	79,041	28,532	50,509	36.1	65,583	566	65,017	54,237	11,346
1927	43,619	75,440	29,793	45,647	39.5	59,759	526	59,233	49,419	10,340
1928	46,201	80,667	31,734	48,933	39.3	63,331	436	62,895	51,609	11,722
1929	44,837	82,343	31,927	50,416	38.8	67,030	422	66,608	54,132	12,898
1930	41,801	81,307	31,560	49,748	38.8	66,500	386	66,114	53,507	12,993
1931	35,368	73,501	26,854	46,647	36.5	61,204	238	60,966	49,805	11,399
1932	29,648	64,446	23,865	40,582	37.0	54,900	233	54,667	43,909	10,991
1933	27,157	61,287	22,434	38,853	36.6	52,083	180	51,903	43,197	8,886
1934	28,874	63,702	22,799	40,903	35.8	53,162	177	52,985	43,881	9,281
1935	31,554	64,887	22,126	42,761	34.1	54,722	277	54,445	44,159	10,563
1936	31,362	66,066	20,069	45,997	30.4	55,381	317	55,063	44,672	10,708
1937	32,850	72,880	19,938	52,942	27.4	61,177	53	61,123	49,853	11,324
1938	31,710	71,286	18,829	52,456	26.4	60,064	58	60,006	49,780	10,284

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Percent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881-1890	2,978	2,541	10,741	10,254	21.7	2,754	1,778	472	2,282
1891-1900	3,644	2,914	15,377	14,600	19.2	3,442	2,129	1,394	2,048
1901-1905	4,000	3,284	20,633	19,176	16.2	5,918	3,825	2,812	3,106
1906-1910	4,084	3,498	25,072	23,270	14.0	8,036	5,673	4,198	3,838
1911-1915	5,361	4,522	30,594	28,305	14.9	12,060	8,567	7,161	4,909
1915-1920 [1]	15,455	11,505	24,681	23,346	38.5	13,511	9,637	7,550	5,962
1921-1925	22,556	14,977	31,022	28,057	42.1	13,075	9,236	6,998	6,077
1926-1930	23,338	17,071	41,102	35,510	36.2	15,319	10,504	7,371	7,948
1931-1935	19,653	15,729	35,561	29,261	35.6	10,351	7,309	3,962	6,388
1910-1914	4,778	4,109	30,187	27,915	13.7	11,614	8,380	6,812	4,802
1914-1920 [2]	14,171	10,611	25,245	23,783	36.0	13,190	9,279	7,358	5,832
1924	22,896	15,397	32,397	32,398	41.4	13,616	9,933	7,195	6,421
1925	21,394	14,948	35,766	30,802	37.4	13,068	8,805	6,414	6,654
1926	22,234	15,838	43,349	38,399	33.9	13,458	9,241	6,298	7,160
1927	22,078	16,524	37,681	32,895	36.9	15,682	10,656	7,716	7,966
1928	23,180	16,969	40,151	34,640	36.6	17,336	11,898	8,554	8,782
1929	25,045	18,337	41,985	35,795	37.4	15,313	10,917	6,883	8,431
1930	24,154	17,687	42,346	35,820	36.3	14,808	9,809	7,406	7,402
1931	21,417	16,732	39,787	33,073	35.0	12,297	8,644	5,437	6,860
1932	20,204	16,072	34,695	27,838	36.8	9,547	6,799	3,660	5,886
1933	19,093	15,824	32,990	27,374	36.7	9,204	6,629	3,340	5,864
1934	18,901	15,571	34,261	28,310	35.5	10,540	7,318	3,899	6,641
1935	18,651	14,447	36,071	29,712	34.1	10,165	7,155	3,475	6,690
1936	16,967	13,617	38,414	31,055	30.6	10,686	7,542	3,102	7,583
1937	17,134	14,038	44,043	35,815	28.0	11,704	9,890	2,804	8,900
1938	15,742	12,893	44,322	36,887	26.2	11,222	9,348	3,087	8,135

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Prior to 1936, Department of Commerce, Bureau of Foreign and Domestic Commerce; thereafter, Treasury Department, Bureau of Customs; records.

No. 522.—Vessels Entered and Cleared at Seaports in Foreign Trade—Net Tonnage, by Countries of Origin and Destination: 1910 to 1938

Note.—In thousands of net tons. Only traffic by sea is included. The first column covers years ended June 30, the second column the period July 1, 1914, to Dec. 31, 1920, the others, calendar years. For definition of net tonnage see general note, p. 434

Country	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1931–1935, average	1936	1937	1938
Total by sea:								
Entered	35,212	37,604	52,959	63,768	54,928	55,038	59,980	59,223
Cleared	34,985	39,417	53,578	64,441	55,214	55,381	61,177	60,084
Belgium:								
Entered	955	392	1,231	1,560	1,068	1,172	1,270	1,177
Cleared	1,039	452	1,190	1,280	1,013	1,101	1,196	1,074
Denmark:								
Entered	297	373	372	532	451	250	270	328
Cleared	305	498	450	686	402	138	131	224
France:								
Entered	1,047	2,251	1,953	2,321	2,027	2,099	2,566	2,768
Cleared	1,453	3,345	2,250	2,475	2,582	2,464	2,952	3,004
Germany:								
Entered	3,113	290	2,998	3,813	3,806	3,310	3,718	3,591
Cleared	3,474	298	3,165	3,714	3,235	2,901	2,969	3,068
Italy:								
Entered	1,305	2,171	1,707	2,101	1,909	1,590	1,900	1,849
Cleared	1,662	2,489	1,986	2,023	1,869	1,572	1,899	1,948
Netherlands:								
Entered	1,169	1,201	1,654	2,081	1,389	1,418	2,074	2,553
Cleared	1,521	1,450	1,464	1,499	1,050	1,056	1,503	1,953
Norway:								
Entered	193	521	384	360	379	491	465	641
Cleared	159	830	412	361	269	303	331	430
Spain:								
Entered	724	838	608	850	674	587	341	254
Cleared	337	490	463	612	597	468	113	188
Sweden:								
Entered	68	240	504	681	695	891	957	1,046
Cleared	66	440	353	498	412	572	636	756
United Kingdom:								
Entered	7,238	8,765	9,378	10,614	6,087	5,936	6,589	7,623
Cleared	7,162	8,164	8,647	10,577	6,147	5,726	6,226	6,378
Canada:								
Atlantic coast—								
Entered	1,479	1,092	1,201	1,607	2,265	2,181	2,365	1,822
Cleared	1,594	1,007	1,331	1,709	2,267	2,426	2,641	2,312
British Columbia, Yukon—								
Entered	2,539	3,117	4,571	6,619	6,682	5,939	5,487	5,871
Cleared	2,589	3,094	4,573	6,556	6,878	6,364	6,085	6,334
Central America:[1]								
Entered	1,879	1,535	1,734	2,391	2,368	2,459	2,349	2,616
Cleared	2,121	1,610	1,640	2,692	2,801	2,956	3,351	3,513
Mexico:								
Entered	1,789	3,788	8,100	2,840	1,548	2,227	2,131	1,739
Cleared	1,847	3,727	8,391	2,892	1,755	2,392	2,347	1,846
British West Indies, Bermudas, and British Honduras:								
Entered	1,038	564	1,351	1,975	3,210	2,775	3,073	3,348
Cleared	1,181	642	1,435	2,216	3,400	3,141	3,608	3,920
Cuba:								
Entered	3,030	3,450	4,769	5,875	5,435	5,229	5,652	4,708
Cleared	2,449	3,560	4,659	5,832	5,292	5,188	5,538	4,308
Dominican Republic:								
Entered	179	345	380	713	688	598	535	451
Cleared	200	404	449	920	903	696	658	543
Haiti:								
Entered	123	108	105	220	176	113	349	251
Cleared	124	186	230	204	188	189	209	225
Argentina:								
Entered	792	633	1,006	966	499	833	1,145	664
Cleared	619	762	707	997	358	498	458	451
Brazil:								
Entered	1,131	550	552	918	803	708	426	512
Cleared	558	841	913	1,252	924	1,083	1,194	1,158
Chile:								
Entered	462	853	975	1,387	545	840	995	1,045
Cleared	327	797	793	1,058	507	675	665	698
Colombia:								
Entered	199	231	144	958	1,056	663	678	526
Cleared	196	213	226	966	1,015	1,104	1,048	1,053
British India, British Malaya, and Ceylon:								
Entered	329	347	576	833	704	707	698	591
Cleared	131	204	330	428	289	273	264	255

[1] Not including British Honduras.

No. 522.—Vessels Entered and Cleared at Seaports in Foreign Trade—Net Tonnage, by Countries of Origin and Destination: 1910 to 1938—Continued

Country	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1931–1935, average	1936	1937	1938
China, Hong Kong, and Kwantung:								
Entered	442	519	959	1,044	827	797	921	553
Cleared	391	479	963	894	562	228	416	263
Japan:								
Entered	846	733	1,607	2,320	2,169	2,651	3,050	2,881
Cleared	542	796	2,106	3,284	3,815	4,374	5,460	4,441
Philippine Islands:								
Entered	85	132	408	611	1,012	984	1,079	1,048
Cleared	144	124	359	503	466	541	494	624
Oceania:								
Entered	238	379	509	931	778	854	753	706
Cleared	534	567	946	1,396	831	779	752	766
All other countries:								
Entered	2,725	2,094	3,165	6,649	5,677	6,736	8,144	8,061
Cleared	2,240	1,938	3,149	6,913	5,388	6,173	8,033	8,181

No. 523.—Vessels Entered and Cleared at Seaports in Foreign Trade—Net Tonnage, by Nationality of Vessel: 1910 to 1938

Note.—**In thousands of net tons.** Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See tables 520 and 521 in which the columns for northern border represent trade with Quebec and Ontario. For periods covered see note, table 521

	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1931–1935, average	1936	1937	1938
Total by sea:								
Entered	35,212	37,604	52,959	63,768	54,928	55,038	58,980	59,223
Cleared	34,965	39,417	53,578	64,441	55,214	55,381	61,177	60,064
American:								
Entered	4,753	13,327	22,526	23,182	19,855	17,510	16,747	15,829
Cleared	4,778	14,171	22,556	23,338	19,653	16,967	17,134	15,742
Total foreign:								
Entered	30,459	24,276	30,433	40,586	35,074	37,528	43,233	43,324
Cleared	30,186	25,245	31,022	41,102	35,561	38,414	44,043	44,322
Belgian:								
Entered	412	269	332	374	274	246	302	292
Cleared	404	283	343	370	269	245	298	289
British:								
Entered	17,991	14,168	16,807	20,189	15,270	15,030	17,104	16,460
Cleared	17,814	14,755	17,064	20,291	15,373	15,210	17,170	16,466
Danish:								
Entered	472	774	929	1,136	917	1,007	1,030	1,357
Cleared	450	795	928	1,168	902	1,047	1,019	1,341
Dutch:								
Entered	1,004	1,007	1,300	1,798	1,634	1,884	2,177	2,511
Cleared	1,007	1,055	1,292	1,809	1,627	1,918	2,223	2,528
French:								
Entered	997	876	1,492	1,870	1,652	2,053	2,438	2,360
Cleared	990	919	1,518	1,905	1,694	2,094	2,407	2,369
German:								
Entered	4,362	107	847	2,654	3,260	3,299	3,507	3,543
Cleared	4,300	79	870	2,736	3,280	3,350	3,000	3,577
Italian:								
Entered	821	1,211	1,490	2,175	1,798	1,405	2,126	2,047
Cleared	850	1,366	1,569	2,150	1,800	1,421	2,118	2,116
Japanese:								
Entered	353	1,099	2,059	2,618	2,473	2,676	2,804	2,832
Cleared	244	1,046	2,235	2,741	2,682	3,035	3,272	3,183
Norwegian:								
Entered	2,679	2,744	2,817	4,026	4,072	5,619	7,018	7,370
Cleared	2,684	2,822	2,784	4,136	4,178	5,786	7,155	7,549
Spanish:								
Entered	413	606	480	571	459	410	41	.....
Cleared	398	637	487	586	457	407	44	.....
Swedish:								
Entered	70	353	564	985	1,013	1,164	1,171	1,273
Cleared	70	367	566	1,005	1,017	1,157	1,192	1,309
All other foreign:								
Entered	975	1,062	1,317	2,190	2,252	2,735	3,515	3,257
Cleared	977	1,122	1,366	2,206	2,281	2,744	4,145	3,595

Source of tables 522 and 523: Prior to 1936, Department of Commerce, Bureau of Foreign and Domestic Commerce; thereafter, Treasury Department, Bureau of Customs; records.

No. 524.—Exports (Including Reexports) and Imports of Merchandise—Value, by Method of Carriage: 1830 to 1935

Note.—All figures except percentages expressed in millions of dollars. Figures cover fiscal years ended Sept. 30, 1830 and 1840, and June 30, 1850 to 1915, calendar years thereafter. No data compiled for years subsequent to 1935

Yearly average or year	Exports (including reexports)					Imports					Water borne—per cent in American vessels	
	Total	Total by water	In American vessels	In foreign vessels	By cars, aircraft, etc. [1]	Total	Total by water	In American vessels	In foreign vessels	By cars, aircraft, etc. [1]	Exports	Imports
1830 [2]	74	74	64	10	(3)	71	71	66	5	(3)	86.6	93.1
1840 [2]	132	132	106	27	(3)	107	107	93	14	(3)	80.0	87.6
1850 [2]	152	152	100	52	(3)	178	178	140	39	(3)	65.5	78.4
1860 [2]	400	400	279	121	(3)	362	362	228	134	(3)	70.0	63.0
1870 [2]	451	451	170	281	(3)	462	462	153	300	(3)	37.7	33.1
1871–1875 [2]	586	578	157	422	8	599	584	170	414	16	27.1	35.1
1876–1880 [2]	711	704	142	562	7	514	501	147	354	13	20.2	29.3
1881–1885	792	773	100	673	19	667	646	130	517	21	12.9	20.1
1886–1890	738	714	76	638	25	717	685	122	563	33	10.6	17.8
1891–1895	892	851	73	778	42	785	748	125	623	38	8.6	16.7
1896–1900	1,157	1,079	78	1,001	79	742	706	101	604	36	7.2	14.4
1901–1905	1,454	1,316	97	1,218	138	972	909	122	787	63	7.4	13.5
1906–1910	1,779	1,576	128	1,448	203	1,345	1,262	159	1,103	83	8.1	12.6
1911–1915	2,371	2,049	187	1,862	322	1,712	1,590	198	1,392	123	9.1	12.5
1915–1920 [4]	6,515	5,712	1,556	4,156	803	3,358	2,961	978	1,984	397	27.2	33.0
1921–1925	4,397	3,788	1,405	2,383	609	3,450	3,013	978	2,035	437	37.1	32.5
1926–1930	4,777	3,983	1,382	2,600	795	4,033	3,509	1,129	2,380	524	34.7	32.2
1931–1935	2,025	1,742	617	1,125	284	1,708	1,507	538	970	200	35.4	35.8
1924	4,591	4,010	1,532	2,478	581	3,610	3,145	1,012	2,133	466	38.2	32.1
1925	4,910	4,224	1,473	2,751	686	4,227	3,716	1,151	2,565	510	34.9	31.0
1926	4,809	4,050	1,401	2,649	759	4,431	3,891	1,195	2,696	540	34.6	30.7
1927	4,865	4,097	1,434	2,663	768	4,185	3,662	1,215	2,447	523	35.0	33.2
1928	5,128	4,277	1,472	2,804	851	4,091	3,550	1,133	2,418	541	34.4	31.9
1929	5,241	4,322	1,487	2,835	920	4,399	3,807	1,205	2,602	592	34.4	31.6
1930	3,843	3,168	1,117	2,051	675	3,061	2,635	898	1,737	426	35.3	34.1
1931	2,424	2,043	732	1,311	382	2,091	1,829	619	1,210	262	35.8	33.8
1932	1,611	1,385	476	909	226	1,323	1,164	431	734	158	34.4	37.0
1933	1,675	1,471	515	956	204	1,450	1,287	461	826	162	35.0	35.8
1934	2,133	1,837	658	1,179	296	1,636	1,446	528	917	190	35.8	36.5
1935	2,283	1,973	705	1,268	310	2,039	1,813	649	1,164	226	35.8	35.8

TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels	Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels
1830 [2]	145	130	15	89.7	1921–1925	6,801	2,383	4,418	35.0
1840 [2]	239	198	41	82.3	1926–1930	7,492	2,511	4,980	33.5
1850 [2]	330	239	91	72.5	1931–1935	3,249	1,155	2,095	35.6
1860 [2]	762	507	255	66.5					
1870 [2]	913	323	590	35.6	1924	7,155	2,544	4,611	35.7
					1925	7,940	2,624	5,316	33.0
1871–1875 [2]	1,162	326	835	30.6	1926	7,941	2,596	5,345	34.0
1876–1880 [2]	1,206	289	917	23.9	1927	7,759	2,649	5,110	34.1
1881–1885	1,419	229	1,190	16.2	1928	7,827	2,605	5,222	33.3
1886–1890	1,398	198	1,200	14.1	1929	8,129	2,692	5,437	33.1
1891–1895	1,598	198	1,400	12.4	1930	5,803	2,015	3,788	34.7
1896–1900	1,784	179	1,605	10.0	1931	3,871	1,351	2,520	34.9
1901–1905	2,225	220	2,005	9.9	1932	2,549	907	1,643	35.6
1906–1910	2,838	287	2,552	10.1	1933	2,758	976	1,782	35.4
1911–1915	3,639	385	3,254	10.6	1934	3,283	1,186	2,097	36.1
1915–1920 [4]	8,673	2,534	6,140	29.2	1935	3,780	1,354	2,432	35.8

[1] Exports include parcel post beginning 1924; imports, beginning 1921.
[2] Includes gold and silver coin and bullion to 1879, inclusive.
[3] Included in American and foreign vessels.
[4] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Department of Commerce, Bureau of Foreign and Domestic Commerce; Foreign Commerce and Navigation of the United States, 1935 and earlier editions.