19.—PUBLIC ROADS AND MOTOR VEHICLES

No. 365.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921 and 1926 were secured from county records; data for other years shown in this and subsequent tables contain some estimates and are not as accurate as to detail. Data in most cases refer to calendar years; there are, however, exceptions in some States. Data relate to continental United States only, except as noted

Item	1921	1926	1928	1929	1930	1931 [1]
Total mileage at end of year:						
All types	2,941,294	3,000,190	3,016,281	3,024,233	3,009,066	----------
Earth roads	2,553,534	2,450,126	2,390,144	2,361,798	2,315,507	----------
Surfaced roads	387,760	550,064	626,137	662,435	693,559	----------
Low type [2]	340,583	467,077	523,578	549,981	567,851	----------
High type [2]	[3] 47,177	82,987	102,559	112,454	125,708	----------
Total mileage built during year:						
All types	110,976	116,413	74,783	78,003	87,717	----------
Earth roads (graded and drained)	[4] 69,804	60,059	24,318	23,128	24,370	----------
Surfaced roads [5]	41,172	56,354	50,465	54,875	63,347	----------
Low type [2]	33,083	46,746	38,569	42,548	48,397	----------
High type [2]	[6] 8,089	9,608	11,896	12,327	14,950	----------
Mileage of State highway systems at end of year: [7]						
All types	----------	287,928	306,442	314,136	324,496	328,942
Earth roads	----------	124,869	113,304	105,812	98,275	86,242
Surfaced roads	----------	163,059	193,138	208,324	226,221	242,700
Low type [2]	----------	109,110	124,765	133,211	142,109	146,359
High type [2]	----------	53,949	68,373	75,113	84,112	96,341
Mileage of State highway systems built during year: [7]						
All types	----------	27,387	29,252	32,522	35,277	44,634
Earth roads (graded and drained)	----------	7,060	8,675	7,451	7,813	10,095
Surfaced roads [5]	----------	20,327	20,577	25,071	27,464	34,539
Low type [2]	----------	14,199	11,829	16,224	16,677	22,026
High type [2]	----------	6,128	8,748	8,847	10,787	12,513
Funds available for rural road purposes during year, all authorities (1,000 dollars):						
Total [8]	[9] 1,109,896	1,640,451	1,926,003	2,042,400	2,302,646	----------
Motor vehicle fees and gasoline taxes	119,915	436,449	597,511	687,730	862,933	----------
Other taxes and appropriations	415,747	491,194	553,186	560,908	537,951	----------
Proceeds of bonds	434,573	272,422	271,706	271,864	316,973	----------
Federal aid [10]	77,457	79,163	80,798	77,573	92,463	----------
All other sources	[9] 62,205	361,224	422,803	444,324	492,326	----------
Disbursements for rural roads and bridges (1,000 dollars):						
All roads, by all authorities [8]	1,027,493	1,276,698	1,554,168	1,615,519	1,885,851	----------
Construction	622,172	621,893	818,609	813,982	1,009,712	----------
Maintenance	250,559	338,853	418,632	433,538	475,912	----------
Principal and interest of bonds	90,203	213,325	247,742	272,529	315,354	----------
Equipment and miscellaneous	64,468	102,627	69,186	95,470	84,872	----------
By or under supervision of State highway departments, incl. Federal aid [11]	397,484	621,744	830,265	910,485	1,139,677	1,091,009
Highway construction under Federal aid: [12]						
Completed mileage, end of year	----------	56,717	76,075	82,330	88,945	99,777
Projects under construction—						
Miles	----------	14,581	9,216	8,735	9,089	8,672
Total cost (1,000 dollars)	----------	365,730	230,649	217,013	233,397	216,850
Federal aid (1,000 dollars)	----------	151,490	91,343	89,219	99,573	98,080
Projects approved for construction—						
Miles	1,839	1,575	1,598	1,400	2,875	1,910
Total cost (1,000 dollars)	48,609	46,299	32,434	29,340	60,394	35,473
Federal aid (1,000 dollars)	19,262	13,921	12,819	9,942	25,531	15,134
Federal-aid fund available for new projects (1,000 dollars)	----------	113,070	101,372	99,881	144,726	113,879

[1] Data for local roads not available.
[2] Low type includes sand-clay, gravel, and waterbound macadam; high type includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements.
[3] Includes 11,303 miles of unclassified roads.
[4] Includes mileage partially graded and drained.
[5] Includes original and reconstructed surfacing.
[6] Includes 368 miles of unclassified roads.
[7] Data for total United States not compiled in 1921.
[8] Excludes funds transferred.
[9] Excludes balance on hand at beginning of year; not reported in 1921.
[10] For road and bridge purposes under supervision of State highway department only.
[11] Includes funds transferred to local units.
[12] Includes data for Hawaii beginning 1926 for all items except those for projects approved for construction which include Hawaii beginning 1929.

Source: Bureau of Public Roads, Department of Agriculture.

No. 366.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Data include all rural roads. In some cases variations in mileage from that of the previous year shown are partly because of more accurate survey of road mileage. Data in most cases relate to December 31; there are, however, some exceptions. Data for local roads for 1931 are not yet available. For mileage of State highway systems as of Dec. 31, 1931, see Table 368.

Division and State	All types			Surfaced roads						
	1914	1921	1930	1914	1921	1926	1927	1928	1929	1930
Continental U. S.	2,445,761	2,941,294	3,009,066	257,292	387,760	550,064	588,721	626,137	662,435	693,559
New England	86,718	83,295	83,744	18,038	17,725	23,614	24,631	25,919	27,465	28,848
Maine	23,537	21,483	20,882	2,762	2,953	4,429	4,832	5,293	5,777	6,227
New Hampshire	14,020	13,841	12,034	1,660	1,692	2,218	2,391	2,546	2,784	3,060
Vermont	14,249	14,677	15,031	1,442	3,545	4,490	4,691	4,857	4,983	5,075
Massachusetts	18,681	18,868	18,802	8,506	6,575	8,280	8,485	8,783	9,324	9,682
Rhode Island	2,170	2,274	2,739	693	754	876	853	990	1,025	1,092
Connecticut	14,061	12,152	14,256	2,975	2,206	3,321	3,379	3,450	3,572	3,712
Middle Atlantic	185,771	186,935	190,635	31,516	36,946	58,298	62,071	64,748	67,935	70,801
New York	79,398	81,878	82,375	15,636	18,566	26,957	29,481	31,113	32,713	34,278
New Jersey	14,817	14,066	17,393	5,897	6,459	7,836	8,057	8,734	9,077	9,442
Pennsylvania	91,556	90,991	90,867	9,983	13,921	23,505	24,533	24,901	26,145	27,081
East North Central	405,245	412,753	419,051	94,365	124,298	153,853	160,664	168,210	174,150	181,598
Ohio	86,354	84,219	85,106	30,569	36,068	42,361	43,977	46,245	48,503	50,836
Indiana	73,347	76,246	73,768	30,962	39,857	49,440	50,284	50,995	51,314	52,034
Illinois	95,647	96,326	97,287	11,606	11,473	16,928	18,118	20,032	21,375	22,815
Michigan	74,190	77,283	81,106	7,829	17,186	21,698	22,493	24,167	25,143	26,281
Wisconsin	75,707	78,679	81,784	13,399	19,714	23,426	25,792	26,771	27,815	29,632
West North Central	650,058	759,820	777,793	14,968	30,223	61,503	69,989	78,762	87,384	96,166
Minnesota	93,517	107,103	110,661	3,968	16,905	30,011	32,309	34,223	35,501	37,217
Iowa	104,074	104,082	103,328	615	2,585	9,284	11,811	15,191	18,021	20,088
Missouri	96,041	111,520	110,540	6,713	7,879	11,043	11,739	12,319	13,074	14,326
North Dakota	68,796	106,523	106,846	955	710	1,874	2,366	2,953	3,592	4,026
South Dakota	96,306	115,485	120,271	363	548	3,510	4,087	4,840	6,147	7,096
Nebraska	80,272	86,556	93,907	1,205	496	3,273	3,979	4,651	5,364	6,386
Kansas	111,052	128,551	132,240	1,149	1,100	2,508	3,608	4,585	5,685	7,027
South Atlantic	297,193	365,567	357,554	32,154	61,178	82,282	89,541	95,384	100,840	98,514
Delaware	3,674	3,933	3,779	244	448	884	927	1,094	1,180	1,258
Maryland	16,459	14,772	14,847	2,489	3,663	4,640	5,307	5,493	5,704	6,308
Virginia	53,388	59,080	59,957	3,910	7,260	10,542	11,192	11,897	12,327	12,581
West Virginia	32,024	35,173	34,799	1,065	1,367	3,037	3,713	3,917	4,450	5,292
North Carolina	50,758	68,204	53,796	6,004	16,755	26,885	27,811	28,345	29,649	21,956
South Carolina	42,226	61,850	57,726	3,270	6,908	12,475	13,841	16,648	17,576	18,802
Georgia	80,669	94,912	102,284	12,342	18,339	11,416	13,015	13,972	14,831	14,922
Florida	17,995	27,643	30,366	2,830	6,438	12,403	13,735	14,018	15,123	15,395
East South Central	205,191	242,745	259,078	27,626	41,478	55,274	58,931	61,187	66,695	73,406
Kentucky	57,916	68,704	61,261	12,403	15,436	15,236	15,619	16,130	17,030	17,654
Tennessee	46,050	62,546	67,953	8,102	9,878	11,238	12,521	13,538	15,184	18,018
Alabama	55,446	58,410	67,907	4,988	10,420	17,514	18,204	17,370	18,369	19,784
Mississippi	45,779	53,085	61,957	2,133	5,744	11,286	12,587	14,149	16,112	17,950
West South Central	312,182	416,617	413,820	13,815	23,986	40,285	42,187	46,436	49,896	52,818
Arkansas	50,743	74,866	68,849	1,098	3,871	5,981	6,269	6,779	7,958	8,884
Louisiana	24,563	39,803	35,553	2,068	2,771	8,697	9,501	10,731	11,152	12,203
Oklahoma	107,916	[1] 134,263	120,879	122	2,461	2,930	3,300	3,711	4,774	5,307
Texas	128,960	167,685	188,539	10,527	14,883	22,677	23,117	25,215	26,012	26,424
Mountain	163,117	306,382	334,929	4,881	15,539	25,827	28,574	32,010	33,848	36,960
Montana	39,204	64,732	67,072	609	1,772	2,508	2,799	3,178	3,437	3,870
Idaho	24,396	31,099	39,825	679	2,982	6,961	7,940	8,487	8,884	9,766
Wyoming	14,797	46,528	41,233	468	440	1,284	1,361	1,604	1,760	1,987
Colorado	39,780	48,143	68,974	1,194	4,598	5,997	6,383	6,952	7,157	7,588
New Mexico	11,873	45,549	47,776	262	1,802	1,954	2,144	2,361	2,539	3,014
Arizona	12,075	21,227	22,818	253	1,233	3,070	3,150	3,421	3,597	3,840
Utah	8,810	23,047	23,655	1,154	2,544	2,600	3,001	3,996	4,237	4,451
Nevada	12,182	26,057	23,576	262	168	1,453	1,796	2,011	2,237	2,444
Pacific	140,286	167,180	172,462	19,928	34,387	49,126	52,135	53,481	54,222	56,448
Washington	42,428	45,816	43,881	4,922	12,062	16,483	16,655	16,406	16,718	16,870
Oregon	36,819	45,475	51,617	4,726	8,050	11,578	11,815	11,995	12,123	13,931
California	61,039	75,889	76,964	10,280	14,275	21,065	23,665	25,080	25,381	25,647

[1] Includes about 26,000 miles of section lines declared public highways by law but which are not open for general traffic.

Source: Bureau of Public Roads, Department of Agriculture.

No. 367.—LOCAL ROADS: MILEAGE AS OF DECEMBER 31, 1930, AND MILEAGE SURFACED DURING 1928, 1929, AND 1930

NOTE.—Data cover county and township roads only, excluding State highways

Division and State	Existing mileage, end of year 1930					Mileage surfaced [3] during—		
	Total, all types	Earth roads	Surfaced roads			1928	1929	1930
			Total	Low type [1]	High type [2]			
Continental U. S.	**2,684,570**	**2,217,232**	**467,338**	**425,742**	**41,596**	**29,888**	**29,804**	**35,883**
New England	**70,086**	**53,444**	**16,642**	**14,336**	**2,306**	**1,110**	**1,164**	**1,176**
Maine	18,843	14,502	4,341	4,316	25	390	417	415
New Hampshire	9,486	8,860	626	610	16	75	117	132
Vermont	10,827	9,304	1,523	1,519	4	26	25	25
Massachusetts	17,178	9,120	8,058	6,108	1,950	494	451	493
Rhode Island	1,730	1,209	521	402	119	109	137	92
Connecticut	12,022	10,449	1,573	1,381	192	16	17	19
Middle Atlantic	**161,246**	**113,025**	**48,221**	**34,875**	**13,346**	**2,639**	**2,982**	**3,931**
New York	68,360	45,326	23,034	14,746	8,288	1,209	1,624	1,901
New Jersey	15,520	7,919	7,601	5,151	2,450	838	794	743
Pennsylvania	77,366	59,780	17,586	14,978	2,608	511	564	1,287
East North Central	**373,378**	**233,645**	**139,733**	**129,743**	**9,990**	**7,021**	**7,459**	**7,903**
Ohio	73,763	34,181	39,582	35,802	3,780	2,021	2,989	2,241
Indiana	67,657	21,609	46,048	44,092	1,956	865	818	806
Illinois	87,398	72,286	15,112	13,227	1,885	731	766	920
Michigan	72,997	54,273	18,724	16,738	1,986	1,204	1,158	1,152
Wisconsin	71,563	51,296	20,267	19,884	383	2,200	1,728	2,784
West North Central	**722,952**	**661,945**	**61,007**	**60,173**	**834**	**6,454**	**6,908**	**8,584**
Minnesota	103,770	73,347	30,423	30,262	161	2,904	2,333	3,697
Iowa	95,643	82,091	13,552	13,544	8	2,209	1,921	1,853
Missouri	102,094	93,406	8,688	8,193	495	258	420	781
North Dakota	99,445	98,602	843	843	--------	88	75	82
South Dakota	114,295	111,183	3,112	3,112	--------	271	1,141	757
Nebraska	84,155	82,553	1,602	1,550	52	280	503	508
Kansas	123,550	120,763	2,787	2,669	118	444	465	906
South Atlantic	**318,147**	**249,698**	**68,449**	**59,471**	**8,978**	**4,566**	**3,134**	**3,982**
Delaware	2,962	2,521	441	387	54	203	108	50
Maryland	11,594	8,539	3,055	2,725	330	198	190	146
Virginia	52,269	45,290	6,979	6,881	98	246	271	190
West Virginia	30,635	28,430	2,205	1,345	860	456	272	387
North Carolina	45,091	30,865	14,226	13,620	606	745	817	1,712
South Carolina	51,733	37,797	13,936	13,776	160	1,659	884	1,266
Georgia	95,160	84,154	11,006	10,509	497	222	162	129
Florida	23,703	12,102	11,601	10,228	1,373	837	430	102
East South Central	**225,407**	**175,040**	**50,367**	**49,139**	**1,228**	**2,669**	**4,019**	**5,681**
Kentucky	46,261	36,761	9,500	9,398	102	521	514	509
Tennessee	60,909	48,851	12,058	11,456	602	603	984	2,183
Alabama	62,381	46,185	16,196	15,908	288	297	656	1,143
Mississippi	55,856	43,243	12,613	12,377	236	1,248	1,865	1,846
West South Central	**369,403**	**345,149**	**24,254**	**23,842**	**412**	**1,337**	**1,070**	**795**
Arkansas	60,039	58,021	2,018	2,005	13	20	80	75
Louisiana	25,044	20,390	4,654	4,641	13	437	110	100
Oklahoma	114,484	112,518	1,966	1,845	121	250	180	120
Texas	169,836	154,220	15,616	15,351	265	630	700	500
Mountain	**290,678**	**272,528**	**18,150**	**17,607**	**543**	**1,939**	**1,043**	**1,702**
Montana	58,924	56,900	2,024	2,022	2	200	100	100
Idaho	35,260	28,253	7,007	6,949	58	549	480	523
Wyoming	38,106	37,769	337	337	--------	--------	38	1
Colorado	59,740	56,527	3,213	3,207	6	184	168	278
New Mexico	38,442	38,099	343	343	--------	--------	--------	--------
Arizona	20,185	18,209	1,976	1,612	364	163	79	215
Utah	20,219	17,672	2,547	2,447	100	747	89	100
Nevada	19,802	19,099	703	690	13	96	89	485
Pacific	**158,273**	**112,758**	**45,515**	**36,556**	**8,959**	**2,158**	**2,025**	**2,129**
Washington	40,633	26,610	14,023	12,954	1,069	200	100	155
Oregon	47,265	36,938	10,327	9,820	507	100	75	75
California	70,375	49,210	21,165	13,782	7,383	1,853	1,850	1,899

[1] Includes sand-clay, gravel, and water-bound macadam.
[2] Includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements.
[3] Includes original surfacing and reconstructed surfacing.

Source: Bureau of Public Roads, Department of Agriculture.

No. 368.—STATE HIGHWAY SYSTEMS: MILEAGE AS OF DECEMBER 31, 1931, AND MILEAGE SURFACED DURING 1930 AND 1931

Division and State	Existing mileage, end of year 1931					Mileage surfaced during—		
	Total, all types	Earth roads	Surfaced roads			1930, total [2]	1931	
			Total	Low type [1]	High type [1]		Total [2]	On earth roads
Continental United States	328,942	86,242	242,700	146,359	96,341	27,464	34,539	17,812
New England	10,784	675	10,089	5,902	4,187	791	884	359
Maine	2,032	99	1,933	1,544	389	116	174	94
New Hampshire	2,683	36	2,647	2,231	416	219	189	125
Vermont	[3] 1,013	--------	1,013	575	438	139	177	--------
Massachusetts	1,699	--------	1,699	234	1,465	88	169	45
Rhode Island	1,046	443	603	122	481	47	59	37
Connecticut	2,291	97	2,194	1,196	998	182	116	58
Middle Atlantic	29,440	5,082	24,358	5,681	18,677	1,841	2,386	1,298
New York	14,000	2,315	11,685	1,531	10,154	964	1,160	377
New Jersey	1,877	197	1,680	118	1,562	177	135	60
Pennsylvania	13,563	2,570	10,993	4,032	6,961	700	1,091	861
East North Central	47,122	3,577	43,545	18,201	25,344	4,503	3,907	1,143
Ohio	11,559	89	11,470	5,415	6,055	663	627	27
Indiana	6,972	201	6,771	3,144	3,627	543	421	74
Illinois	10,080	1,719	8,361	7	8,354	790	711	650
Michigan	8,293	673	7,620	4,036	3,584	682	648	182
Wisconsin	10,218	895	9,323	5,599	3,724	1,825	1,500	210
West North Central	56,623	15,975	40,648	29,639	11,009	7,206	11,374	6,016
Minnesota	6,867	100	6,767	4,892	1,875	1,423	2,426	811
Iowa	8,312	968	7,344	3,282	4,062	1,277	817	500
Missouri	9,167	1,584	7,583	4,476	3,107	939	2,049	1,945
North Dakota	7,586	3,522	4,064	4,042	22	630	1,104	879
South Dakota	5,957	1,505	4,452	4,320	132	366	467	467
Nebraska	9,752	4,120	5,632	5,079	553	796	1,190	848
Kansas	8,982	4,176	4,806	3,548	1,258	1,775	3,321	566
South Atlantic	47,812	11,390	36,422	20,928	15,494	2,563	4,067	2,040
Delaware	876	4	872	69	803	82	71	55
Maryland	3,412	--------	3,412	1,703	1,709	320	187	161
Virginia	8,032	1,838	6,194	4,592	1,602	357	620	572
West Virginia	4,315	1,040	3,275	1,055	2,220	563	894	212
North Carolina	9,752	1,352	8,400	4,057	4,343	462	681	121
South Carolina	5,956	620	5,336	3,210	2,126	388	964	519
Georgia	7,131	3,064	4,067	2,700	1,367	167	376	186
Florida	8,338	3,472	4,866	3,542	1,324	224	274	214
East South Central	24,629	4,301	20,328	14,913	5,415	1,710	1,680	1,155
Kentucky	[4] 5,950	752	5,198	3,754	1,444	728	787	414
Tennessee	7,053	1,156	5,897	3,485	2,412	497	346	277
Alabama	5,548	1,558	3,990	2,952	1,038	430	479	413
Mississippi	6,078	835	5,243	4,722	521	55	68	51
West South Central	51,590	18,158	33,432	24,252	9,180	4,556	4,369	2,844
Arkansas	8,705	1,422	7,283	5,818	1,465	1,782	823	518
Louisiana	17,167	6,646	10,521	9,259	1,262	1,411	1,910	846
Oklahoma	6,850	2,807	4,043	2,193	1,850	395	617	522
Texas	18,868	7,283	11,585	6,982	4,603	968	1,019	958
Mountain	45,346	23,786	21,560	20,033	1,527	2,667	3,694	2,445
Montana	8,148	5,502	2,646	2,587	59	200	886	767
Idaho	4,788	1,616	3,172	2,938	234	614	454	318
Wyoming	3,231	1,260	1,971	1,936	35	231	321	321
Colorado	9,255	4,605	4,650	4,204	446	246	391	267
New Mexico	9,272	6,376	2,896	2,808	88	811	396	234
Arizona	2,747	773	1,974	1,740	234	80	118	116
Utah	4,108	1,695	2,413	2,061	352	259	604	322
Nevada	3,797	1,959	1,838	1,759	79	226	524	100
Pacific	15,616	3,298	12,318	6,810	5,508	1,627	2,178	512
Washington	3,759	386	3,373	2,354	1,019	761	1,372	228
Oregon	4,468	703	3,765	2,382	1,383	377	362	49
California	7,389	2,209	5,180	2,074	3,106	489	444	235

[1] Low type includes sand-clay, gravel, and water-bound macadam; high type includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements.
[2] Includes original and reconstructed surfacing.
[3] New State highway system created by eliminating State-aid system.
[4] Excludes mileage authorized by State legislature but not actually designated included in previous reports.

Source: Bureau of Public Roads, Department of Agriculture.

No. 369.—DISBURSEMENTS FOR RURAL HIGHWAYS UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

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

Division and State	Year in which first State aid law passed	1919	1921	1925	1926	1927	1928	1929	1930	1931
		Thousands of dollars								
Cont'l U.S.	--------	106,861	397,484	649,125	621,744	707,179	830,265	910,485	1,139,677	1,091,009
New England	--------	11,046	25,910	39,289	45,178	51,735	60,878	73,425	76,418	74,095
Maine	1901	1,739	6,524	7,105	10,279	8,684	12,118	14,006	17,184	18,442
N. Hampshire	1903	1,361	2,360	4,027	3,017	3,565	5,553	[1] 7,713	9,640	8,489
Vermont	1898	901	951	3,618	3,713	4,080	5,762	12,516	9,013	6,999
Mass'setts	1892	3,620	7,864	12,881	13,794	18,380	16,478	20,180	21,926	28,324
Rhode Island	1902	1,132	2,213	3,046	3,871	4,242	4,548	5,412	3,367	6,188
Connecticut	1895	2,293	5,998	8,612	10,504	12,784	16,419	13,598	15,288	[2] 5,653
Middle Atlantic	--------	36,754	101,475	135,603	117,072	136,625	153,247	171,495	216,236	192,315
New York	1898	13,714	36,855	49,369	41,781	58,798	62,503	69,664	73,233	73,924
New Jersey	1891	6,320	15,608	23,939	24,378	27,763	32,479	41,397	47,414	52,860
Pennsylvania	1903	16,719	49,012	62,294	50,913	50,064	58,265	60,434	95,589	65,531
E.N. Central	--------	16,717	68,512	118,903	104,321	114,016	160,563	160,363	190,673	153,465
Ohio	1904	4,604	15,547	24,086	29,496	25,518	33,953	30,281	47,491	34,161
Indiana	1917	401	8,110	14,518	12,429	14,798	16,544	20,678	22,569	20,771
Illinois	1905	4,404	15,693	36,376	24,267	30,270	53,472	39,728	48,854	42,622
Michigan	1905	4,246	16,744	36,139	25,998	25,883	36,578	48,666	46,136	36,540
Wisconsin	1911	3,063	12,417	7,785	12,131	17,547	20,017	21,010	25,623	19,371
W.N. Central	--------	5,686	41,087	84,876	88,728	101,852	104,993	123,547	171,732	167,043
Minnesota	1905	2,691	7,480	17,963	17,979	17,837	18,412	23,366	39,365	36,578
Iowa	1904	614	18,276	14,108	15,272	24,077	37,255	36,084	50,607	36,827
Missouri	1907	684	4,727	31,594	30,841	25,996	18,981	28,321	43,921	42,841
North Dakota	1909	233	1,030	1,862	1,978	4,567	3,564	4,129	3,992	6,957
South Dakota	1911	319	4,738	6,378	5,843	4,862	5,893	6,168	5,915	12,674
Nebraska	1911	1,098	4,836	5,564	7,639	8,004	6,984	8,467	11,087	13,718
Kansas	1911	48	--------	7,407	9,171	16,509	13,904	17,012	16,845	17,448
South Atlantic	--------	7,217	51,181	103,836	113,651	133,328	121,189	113.712	139,904	154,397
Delaware	1903	1,147	3,765	3,493	3,469	3,480	3,377	5,208	8,492	4,425
Maryland	1898	2,237	7,616	12,025	10,598	[3] 10,598	10,668	13,617	17,992	16,152
Virginia	1906	2,262	7,114	14,072	12,014	14,714	14,448	14,214	19,189	22,022
West Virginia	1909	480	1,877	16,139	17,492	19,311	16,224	19,184	23,308	24,385
N. Carolina	1901	1,010	15,100	32,589	37,216	33,144	28,301	24,902	25,613	26,193
S. Carolina	1917	80	3,941	9,133	9,640	13,410	21,099	18.581	22,753	31,681
Georgia	1908	--------	9,664	7,902	9,565	15,114	12,728	7,039	12,699	17,468
Florida	1915	([4])	2,103	8,484	13,657	23,557	14,343	10,967	9,858	12,070
E.S. Central	--------	1,826	16,621	45,008	38,845	44,734	60,329	68,942	92,737	86,158
Kentucky	1912	926	5,757	14,916	9,820	11,484	[5] 14,766	15,130	19,497	23,552
Tennessee	1915	794	6,328	14,379	14,037	16,003	19,172	29,741	53,278	41,209
Alabama	1911	65	1,036	10,917	10,290	10,766	20,110	19,317	15,373	14,523
Mississippi	1915	40	3,500	4,795	4,698	6,481	6,281	4,754	4,589	6,874
W.S. Central	--------	3,360	26,897	52,733	50,205	58,119	84,901	104,613	136,738	133,535
Arkansas	1913	585	--------	11,200	9,563	14,532	31,784	40,971	39,821	26,291
Louisiana	1910	([4])	5,347	8,611	10,563	10,753	11,157	17,143	29,357	50,033
Oklahoma	1911	2,125	4,775	12,938	10,420	12,816	13,251	11,969	20,228	15,047
Texas	1917	650	16,775	19,985	19,659	20,018	28,710	34,530	47,332	42,164
Mountain	--------	8,870	27,463	27,387	23,810	27,318	35,039	37,008	47,023	58,372
Montana	1913	397	3,640	1,267	1,155	1,541	3,863	4,488	6,378	7,173
Idaho	1905	850	4,863	3,637	4,191	3,847	5,413	3,365	6,637	7,717
Wyoming	1911	771	3,446	3,973	2,974	2,873	3,600	3,123	3,590	7,097
Colorado	1909	1,775	4,156	5,565	5,850	5,232	6,957	7,142	8,144	11,862
New Mexico	1909	839	3,713	3,323	2,928	5,089	6,603	6,675	9,138	8,762
Arizona	1909	1,451	2,948	2,443	2,565	2,608	2,443	4,873	5,233	7,242
Utah	1909	2,445	3,107	4,124	2,448	3,929	3,992	4,545	5,193	6,824
Nevada	1911	342	1,590	3,056	1,699	2,199	2,167	2,797	2,710	[6] 1,695
Pacific	--------	15,386	38,339	41,490	39,938	39,450	49,126	57,382	68,215	71,632
Washington	1905	2,895	9,696	7,846	8,825	8,628	13,893	15,702	15,806	17,681
Oregon	1913	5,923	17,828	15,553	10,018	10,263	10,268	11,328	14,668	17,136
California	1895	6,568	10,815	18,091	21,095	20,559	24,965	30,352	37,741	36,815

[1] Excludes expenditures of $2,462,000 for flood relief work.
[2] Data cover 6 months, Jan. 1 to June 30, as fiscal year was changed.
[3] Data are for 1926.
[4] Data not available.
[5] Data cover 9 months, July 1, 1928, to Mar. 31, 1929, as fiscal year was changed.
[6] Data cover 7 months, Dec. 1, 1930, to June 30, 1931, as fiscal year was changed.

Source: Bureau of Public Roads, Department of Agriculture.

No. 370.—FUNDS AVAILABLE AND DISTRIBUTION OF DISBURSEMENTS FOR STATE HIGHWAY PURPOSES, 1931

[In thousands of dollars]

Division and State	Funds available					Distribution of disbursements				
	Total	Motor vehicle fees and gasoline taxes	Federal aid receipts [1]	Proceeds of bonds and notes	All other sources [2]	Total	New and reconstructed roads and bridges	Maintenance roads and bridges	Principal and interest on highway bonds	Equipment and miscellaneous [3]
Cont'l. U.S.	1,367,970	639,585	218,074	130,614	379,698	1,091,009	730,955	160,980	119,140	79,934
New England	92,965	45,566	10,090	7,640	29,669	74,095	32,729	14,175	3,613	23,579
Maine	21,622	5,175	2,603	4,497	9,348	18,442	7,631	1,679	1,503	7,630
N. Hampshire	9,376	4,737	946	1,000	3,192	8,489	2,794	4,810	572	312
Vermont	7,609	4,189	969	--------	2,451	6,999	4,154	1,564	678	603
Massachusetts	38,612	20,837	4,024	2,143	11,608	28,324	10,840	3,016	557	13,911
Rhode Island	6,192	3,844	951	--------	1,397	6,188	3,863	1,712	303	310
Connecticut [4]	9,054	6,784	597	--------	1,673	5,653	3,447	1,394	--------	813
Middle Atlantic	305,544	124,209	27,881	28,736	124,719	192,315	134,632	24,180	19,555	13,948
New York	142,038	47,884	14,564	--------	79,590	73,924	57,495	9,404	5,098	1,927
New Jersey	73,925	18,826	3,053	18,736	33,311	52,860	40,576	3,185	7,584	1,514
Pennsylvania	89,581	57,499	10,264	10,000	11,818	65,531	36,561	11,591	6,873	10,507
E.N. Central	204,424	134,635	31,302	--------	38,487	153,465	106,060	27,789	14,577	5,039
Ohio	43,103	30,713	9,171	--------	3,219	34,161	21,565	10,901	1,000	695
Indiana	27,202	19,397	5,153	--------	2,652	20,771	15,745	2,745	1,600	682
Illinois	58,941	38,287	10,064	--------	10,591	42,622	28,438	3,446	7,895	2,843
Michigan	42,370	31,426	3,167	--------	7,777	36,540	25,017	6,650	4,082	790
Wisconsin	32,808	14,812	3,747	--------	14,248	19,371	15,295	4,047	--------	29
W.N. Central	189,171	82,545	39,556	36,751	30,319	167,043	116,786	22,263	19,091	8,902
Minnesota	43,848	19,467	5,443	10,060	8,877	36,578	23,197	5,533	4,883	2,964
Iowa	42,651	18,118	6,632	12,020	5,881	36,827	[5] 28,083	[5] 3,362	5,346	[5] 36
Missouri	47,328	19,619	7,224	14,671	5,814	42,841	31,577	4,075	5,304	1,885
North Dakota	7,404	2,259	3,308	--------	1,838	6,957	4,433	1,236	404	884
South Dakota	12,960	4,778	4,478	--------	3,704	12,674	6,579	1,936	3,154	1,005
Nebraska	14,399	8,150	5,692	--------	557	13,718	10,535	2,902	--------	281
Kansas	20,581	10,154	6,779	--------	3,648	17,448	12,382	3,219	--------	1,847
South Atlantic	176,872	84,378	26,349	16,068	50,077	154,397	98,695	22,068	20,764	12,869
Delaware	5,011	2,176	1,330	--------	1,504	4,426	2,168	235	1,806	217
Maryland	18,929	8,959	2,456	1,066	6,448	16,152	10,408	1,789	2,237	1,717
Virginia	23,184	13,792	3,394	--------	5,999	22,022	[5] 14,231	[5] 5,973	1,298	[5] 520
West Virginia	31,889	10,090	2,969	10,000	8,830	24,385	14,111	3,321	6,726	227
N. Carolina	27,771	18,715	3,050	--------	6,006	26,193	[5] 10,924	[5] 3,960	7,455	[5] 3,854
S. Carolina	35,760	8,790	4,805	5,002	17,163	31,681	22,872	2,113	1,242	5,455
Georgia	21,352	13,041	5,513	--------	2,798	17,468	14,812	2,211	--------	445
Florida	12,976	8,815	2,832	--------	1,329	12,070	9,169	2,466	--------	434
E.S. Central	98,620	35,763	16,413	2,000	44,446	86,158	58,851	11,566	12,106	3,635
Kentucky	28,267	12,370	4,440	--------	11,457	23,552	18,082	3,720	866	883
Tennessee	49,218	14,163	4,507	2,000	28,549	41,209	26,869	4,534	7,704	2,102
Alabama	13,599	6,161	4,317	--------	3,121	14,523	9,054	1,484	3,536	450
Mississippi	7,536	3,069	3,149	--------	1,319	6,874	4,846	1,828	--------	200
W.S. Central	152,256	59,412	27,130	34,453	31,263	133,535	92,184	19,210	16,423	5,719
Arkansas	25,665	9,241	5,811	2,000	8,614	26,291	10,666	1,801	11,690	2,135
Louisiana	53,005	12,093	4,052	32,453	4,407	50,033	39,172	4,744	4,733	1,384
Oklahoma	17,699	10,678	5,273	--------	1,749	15,047	11,974	2,335	--------	738
Texas	55,887	27,400	11,994	--------	16,493	42,164	30,372	10,330	--------	1,462
Mountain	61,905	22,586	26,789	3,970	8,558	58,372	42,010	8,639	5,136	2,588
Montana	7,172	2,978	4,163	--------	30	7,173	6,089	817	--------	267
Idaho	8,200	3,154	3,525	--------	1,521	7,717	5,200	1,094	991	432
Wyoming	8,392	1,932	2,742	2,820	898	7,097	5,408	970	509	210
Colorado	12,593	5,158	4,793	--------	2,641	11,862	8,335	1,453	1,734	340
New Mexico	9,190	2,849	4,503	1,000	838	8,762	5,942	1,515	936	370
Arizona	7,676	2,581	3,560	--------	1,535	7,242	5,382	1,242	--------	618
Utah	7,167	3,265	2,772	--------	1,130	6,824	4,505	1,237	774	308
Nevada [6]	1,515	669	731	150	[7] 35	1,695	1,149	311	192	43
Pacific	86,212	50,492	12,563	996	22,162	71,632	49,009	11,091	7,877	3,656
Washington	17,681	12,745	3,534	--------	1,402	17,681	12,381	3,006	--------	2,294
Oregon	19,314	9,902	4,535	996	3,882	17,136	[5] 10,384	[5] 2,078	3,363	[5] 1,311
California	49,217	27,845	4,494	--------	16,878	36,815	26,244	6,007	4,514	51

[1] Includes emergency advance funds ($62,730,000) to be returned to the United States Treasury by deductions from future Federal aid apportionments.
[2] Includes balance from previous year, transfers from local units, and miscellaneous revenue.
[3] Includes transfers to local units.
[4] Data cover 6 months, Jan. 1 to June 30, as fiscal year was changed.
[5] Equipment included with construction and maintenance.
[6] Data cover 7 months, Dec. 1, 1930, to June 30, 1931, as fiscal year was changed.
[7] Deficit.

Source: Bureau of Public Roads, Department of Agriculture.

No. 371.—HIGHWAY CONSTRUCTION UNDER FEDERAL AID: STATUS AS OF DECEMBER 31, 1932

[Total cost and Federal aid expressed in thousands of dollars]

Division and State	Mileage completed prior to Jan. 1, 1933 [1]	Projects under construction			Projects approved for construction			Federal-aid fund available for new projects
		Total cost	Federal aid	Miles [1]	Total cost	Federal aid	Miles [1]	
Grand total [2]	104, 562	250, 978	98, 257	13, 349	45, 085	13, 314	2, 682	20, 294
New England	3, 028	13, 633	4, 715	252	2, 269	421	52	536
Maine	819	1, 632	451	53	825	85	20	68
New Hampshire	427	951	416	31	-------	-------	-------	171
Vermont	365	995	329	45	56	6	2	16
Massachusetts	863	4, 625	1, 487	57	810	90	17	46
Rhode Island	264	1, 227	432	29	285	103	6	-------
Connecticut	290	4, 203	1, 600	37	293	137	7	235
Middle Atlantic	7, 208	36, 732	11, 999	976	6, 161	1, 930	177	53
New York	3, 449	18, 887	5, 884	518	2, 447	1, 062	51	44
New Jersey	624	7, 725	2, 708	69	79	20	3	7
Pennsylvania	3, 135	10, 120	3, 407	389	3, 635	848	123	2
East North Central	13, 021	51, 179	19, 098	1, 937	8, 110	1, 905	276	493
Ohio	2, 992	7, 413	2, 227	266	3, 598	735	50	43
Indiana	1, 992	8, 646	4, 024	315	1, 123	112	59	216
Illinois	3, 049	20, 367	8, 176	664	2, 340	672	88	-------
Michigan	2, 274	7, 418	3, 065	395	997	364	78	232
Wisconsin	2, 714	7, 335	1, 606	297	52	22	1	2
West North Central	28, 326	31, 812	10, 387	2, 849	3, 867	671	560	1, 156
Minnesota	4, 338	4, 637	132	289	115	(3)	2	28
Iowa	3, 502	5, 628	1, 066	318	360	23	26	11
Missouri	3, 178	2, 892	694	126	614	166	44	389
North Dakota	5, 139	4, 781	2, 080	880	917	296	318	124
South Dakota	4, 076	4, 353	1, 975	611	68	31	15	88
Nebraska	4, 266	5, 642	2, 648	291	16	8	1	307
Kansas	3, 827	3, 879	1, 792	334	1, 777	147	154	209
South Atlantic	12, 142	26, 368	11, 279	1, 527	5, 218	1, 824	425	4, 292
Delaware	375	592	149	27	218	41	17	44
Maryland	823	1, 154	458	53	667	30	24	34
Virginia	1, 942	3, 943	1, 731	235	832	228	36	758
West Virginia	913	3, 375	1, 308	125	274	65	8	189
North Carolina	2, 259	2, 693	1, 348	330	1, 752	878	217	1, 869
South Carolina	1, 997	2, 969	1, 142	279	609	193	44	2
Georgia	3, 184	5, 667	2, 293	326	606	259	62	137
Florida	649	5, 975	2, 850	152	260	130	17	1, 269
East South Central	7, 745	18, 905	8, 719	1, 018	2, 234	1, 049	97	8, 468
Kentucky	1, 865	4, 923	1, 769	349	297	80	10	147
Tennessee	1, 690	4, 184	2, 091	182	1, 234	617	56	705
Alabama	2, 357	4, 557	2, 278	221	56	28	(4)	3, 780
Mississippi	1, 833	5, 241	2, 581	266	647	324	31	3, 836
West South Central	13, 736	30, 223	13, 334	1, 633	10, 364	3, 084	620	2, 377
Arkansas	1, 951	2, 814	1, 310	121	1, 052	526	25	1, 790
Louisiana	1, 618	6, 155	2, 766	73	1, 120	421	9	24
Oklahoma	2, 384	4, 107	2, 043	252	2, 110	440	145	563
Texas	7, 783	17, 147	7, 215	1, 187	6, 082	1, 697	441	-------
Mountain	13, 882	25, 711	12, 583	2, 630	3, 906	1, 599	365	1, 838
Montana	2, 657	7, 699	4, 321	863	1, 118	628	116	85
Idaho	1, 484	2, 660	1, 135	292	553	176	33	89
Wyoming	2, 048	3, 114	1, 199	440	116	2	31	5
Colorado	1, 726	2, 895	1, 383	172	1, 030	464	53	830
New Mexico	2, 229	2, 783	1, 289	243	404	177	31	306
Arizona	1, 199	2, 950	1, 413	258	88	18	17	205
Utah	1, 205	1, 927	918	204	361	108	55	248
Nevada	1, 334	1, 683	925	158	236	26	29	70
Pacific	5, 398	14, 237	4, 962	466	2, 641	588	102	333
Washington	1, 319	2, 306	812	96	567	174	20	198
Oregon	1, 603	3, 542	1, 503	187	923	304	48	127
California	2, 476	8, 389	2, 647	183	1, 151	110	34	8
Hawaii	78	2, 176	1, 179	60	315	244	8	749

[1] Figures expressed in nearest mile, original figures in nearest tenth.
[2] Includes Hawaii.
[3] Less than $500.
[4] Less than five-tenths of 1 mile.

Source: Bureau of Public Roads, Department of Agriculture.

No. 372.—PRODUCTION AND REGISTRATION OF MOTOR VEHICLES

NOTE.—Figures for earlier years are largely estimates. Beginning with 1921, data include production of plants located in Canada, making motor vehicles of United States design, and cars assembled in foreign countries from American parts; figures represent factory sales for United States plants and production for Canadian plants. Motor cycles and trailers are not included

Year	Production [1]						Registration (in thousands)		
	Number (in thousands)			Wholesale value (thousands of dollars)			Total	Passenger cars, busses, and taxis	Trucks and road tractors [2]
	Total	Passenger cars	Motor trucks	Total	Passenger cars	Motor trucks			
1900 [3]	4	4	--------	4,899	4,899	--------	8	--------	--------
1902	9	9	--------	10,395	10,395	--------	23	--------	--------
1903	11	11	--------	13,000	13,000	--------	33	--------	--------
1904 [3]	23	22	(4)	24,629	23,682	947	55	55	(4)
1905	25	25	(4)	40,000	39,030	970	78	77	1
1906	34	33	1	62,900	61,850	1,050	107	106	1
1907	44	43	1	93,400	92,040	1,360	142	140	2
1908	65	63	2	137,800	135,250	2,550	198	194	3
1909 [3]	131	128	3	165,149	159,919	5,230	312	306	6
1910	187	181	6	225,000	215,340	9,660	468	458	10
1911	210	199	11	246,000	225,000	21,000	640	620	20
1912	378	356	22	378,000	335,000	43,000	944	903	41
1913	485	462	23	443,902	399,902	44,000	1,258	1,194	64
1914 [3]	569	544	25	458,958	413,859	45,098	1,711	1,626	86
1915	970	896	74	701,778	575,978	125,800	2,446	2,310	136
1916	1,618	1,526	92	1,082,378	921,378	161,000	3,513	3,298	215
1917	1,874	1,746	128	1,274,488	1,053,506	220,983	4,983	4,657	326
1918	1,171	943	227	1,236,107	801,938	434,169	6,147	5,622	525
1919	1,934	1,658	276	1,885,113	1,461,786	423,327	7,565	6,771	794
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,232	8,226	1,006
1921	1,682	1,518	164	1,261,667	1,091,752	169,914	10,463	9,483	980
1922	2,646	2,369	277	1,793,023	1,561,741	231,282	12,238	10,960	1,279
1923	*4,180*	*3,754*	427	*2,592,033*	*2,274,554*	317,479	15,091	13,538	1,553
1924	3,738	3,304	434	2,367,413	2,040,707	326,706	17,594	15,461	2,133
1925	4,428	3,871	557	3,015,164	2,544,529	470,635	19,937	17,496	2,441
1926	4,506	3,949	557	3,214,817	2,746,065	468,753	22,001	19,237	2,764
1927	3,580	3,083	497	2,700,706	2,265,633	435,073	23,133	20,219	2,914
1928	4,601	4,012	589	3,162,799	2,703,754	459,045	24,493	21,379	3,114
1929	5,622	4,795	827	3,576,646	2,981,142	595,504	26,501	23,122	3,380
1930	3,510	2,910	600	2,126,602	1,720,652	405,950	26,545	23,059	3,486
1931	2,472	2,038	434	1,426,656	1,153,908	272,748	25,833	22,366	3,467
1932	1,431	1,186	245	793,045	650,781	142,264	24,137	20,903	3,233

[1] See headnote.
[2] Road tractors are not included prior to 1924.
[3] Production data are from United States Census Reports and in 1900 are for fiscal year ended June 30.
[4] Less than 500.

Sources: National Automobile Chamber of Commerce and Bureau of Public Roads.

No. 373.—PRODUCTION OF OPEN AND CLOSED CARS IN THE UNITED STATES AND CANADA, BY PRICE GROUPS [1]

Year	Under $1,000		$1,000 to $2,000		$2,000 to $3,000		$3,000 and over		Per cent closed, all classes
	Open	Closed	Open	Closed	Open	Closed	Open	Closed	
1921	822,843	224,619	288,372	65,336	51,809	30,167	19,552	15,363	22.1
1922	1,322,357	430,769	312,165	204,296	11,709	47,519	8,678	31,596	30.1
1923	2,071,339	991,842	395,545	220,102	7,838	37,248	2,913	27,118	34.0
1924	1,545,197	890,106	318,387	388,846	14,293	103,224	5,403	38,190	43.0
1925	1,491,766	1,188,462	174,438	833,786	12,008	131,591	5,894	32,799	56.5
1926	978,760	1,804,316	109,843	867,340	12,423	144,391	4,479	27,291	72.0
1927	375,738	1,621,465	77,073	836,492	10,075	130,888	3,352	28,277	84.9
1928	385,381	2,535,547	62,198	856,371	10,037	127,354	2,512	32,758	88.5
1929	477,302	3,425,228	22,055	713,120	9,815	121,055	1,237	25,086	89.4
1930	257,338	2,178,470	19,912	363,009	3,513	63,029	1,966	22,950	90.3
1931	93,837	1,648,386	7,407	236,234	1,195	38,765	1,229	11,130	94.9
1932	40,591	1,014,615	1,997	109,146	477	11,200	397	7,836	96.3

[1] The figures for 1921 are based only on price of 5-passenger open cars of a given chassis. Thus, if this model sold for less than $1,000, the total production of cars with the same chassis is included in the "under $1,000" class, even though closed models sold for over $1,000. In 1922 and later years actual f. o. b. prices of open and closed models are considered separately and the cars included under proper classification.

Source: Automotive Industries. The grouping is based on retail prices f. o. b. factory.

No. 374.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES [1]

Month	1924	1925	1926	1927	1928	1929	1930	1931	1932
	Passenger cars								
Total	3,185,881	3,735,171	3,783,987	2,936,533	3,815,417	4,587,400	2,784,745	1,979,090	1,135,491
January	286,314	209,510	276,119	198,157	205,539	347,609	233,815	138,317	98,803
February	335,356	246,924	323,139	262,550	291,005	406,171	280,016	180,419	94,110
March	344,803	325,915	384,579	343,872	371,283	513,656	330,922	231,244	99,399
April	334,736	381,301	385,342	356,823	364,261	537,564	372,932	286,917	120,937
May	275,196	371,192	374,789	356,930	374,680	516,181	361,368	271,475	157,756
June	219,730	356,695	340,716	279,565	355,685	452,749	285,936	210,396	160,338
July	239,299	353,897	317,160	237,811	337,560	425,998	222,205	184,173	94,705
August	252,108	222,030	381,041	275,585	398,722	441,820	183,918	155,425	75,907
September	261,143	265,703	352,070	226,443	357,704	364,336	176,426	109,228	64,748
October	257,785	391,672	290,254	183,042	338,883	319,330	113,808	58,415	35,107
November	201,960	329,294	220,357	109,712	215,742	169,492	101,141	49,184	47,532
December	177,451	281,038	138,421	106,043	204,353	92,494	122,258	97,897	86,149
	Motor trucks and busses								
Total	416,659	530,659	516,947	464,793	543,342	771,020	571,241	416,648	235,187
January	32,275	31,069	32,879	40,751	26,189	53,428	39,406	33,531	20,541
February	35,213	36,714	40,513	42,185	32,791	60,247	50,398	39,521	23,308
March	38,621	48,491	48,888	50,641	42,031	71,799	65,466	45,161	19,560
April	41,132	52,491	53,994	49,559	45,843	84,346	71,092	50,022	27,389
May	39,981	47,864	50,378	48,718	51,103	88,510	58,659	45,688	26,539
June	32,070	41,829	45,553	44,252	41,111	93,183	48,570	40,244	22,768
July	30,513	45,050	42,450	31,685	54,526	44,842	43,328	34,317	14,438
August	32,528	38,206	45,810	34,409	62,576	56,808	40,450	31,772	14,418
September	35,239	60,025	46,868	33,867	57,610	51,576	44,223	31,338	19,402
October	36,768	50,309	44,167	36,640	58,401	60,687	40,593	21,727	13,595
November	32,651	42,977	35,944	24,658	41,398	48,081	35,613	19,683	12,025
December	29,611	35,634	29,503	27,528	29,763	27,513	33,443	23,644	21,204

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

No. 375.—STATE GASOLINE TAXES

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

State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—		State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—	
	1930	1931	1932	1931	1932		1930	1931	1932	1931	1932
Total	494,683	537,590	514,139	-----	----	Montana	2,942	3,018	2,690	5	5
						Nebraska	9,060	9,096	7,809	4	4
Alabama	6,901	7,197	7,001	5	6	Nevada	675	778	727	4	4
Arizona	2,670	3,204	2,901	5	5	New Hampshire	2,499	2,657	2,639	4	4
Arkansas	6,427	6,448	5,165	6	6	New Jersey	11,380	17,173	16,675	3	3
California	34,870	39,864	36,129	3	3	New Mexico	2,762	2,686	2,211	5	5
Colorado	6,145	6,254	5,469	4	4	New York	28,476	30,589	42,581	2	3
Connecticut	4,515	4,777	4,733	2	2	North Carolina	12,533	14,024	13,907	6	6
Delaware	1,013	1,072	1,090	3	3	North Dakota	1,972	2,032	1,837	3	3
Dist. of Col	1,600	1,726	2,040	2	2	Ohio	37,081	39,328	34,269	4	4
Florida	13,655	15,018	14,532	7	7	Oklahoma	12,092	11,665	9,682	5	4
Georgia	13,435	13,314	11,939	6	6	Oregon	6,199	6,187	5,501	4	4
Idaho	2,731	2,609	2,287	5	5	Pennsylvania	33,624	33,189	30,801	3	3
Illinois	27,472	29,066	28,754	3	3	Rhode Island	1,736	1,896	1,858	2	2
Indiana	17,159	18,044	16,740	4	4	South Carolina	7,146	7,246	6,225	6	6
Iowa	10,584	10,928	8,970	3	3	South Dakota	3,504	3,395	2,963	4	4
Kansas	9,120	8,071	7,420	3	3	Tennessee	10,719	11,461	12,185	7	7
Kentucky	8,415	8,813	8,206	5	5	Texas	29,527	30,515	27,064	4	4
Louisiana	7,546	9,398	8,301	5	5	Utah	2,106	2,310	2,173	4	4
Maine	4,169	4,439	4,254	4	4	Vermont	1,880	1,967	1,875	4	4
Maryland	6,991	7,431	7,500	4	4	Virginia	10,775	11,445	10,810	5	5
Massachusetts	10,563	15,306	16,519	3	3	Washington	7,253	11,032	11,047	5	5
Michigan	21,713	21,873	20,461	3	3	West Virginia	5,367	5,395	4,949	4	4
Minnesota	10,359	11,070	10,001	3	3	Wisconsin	8,315	15,780	14,948	4	4
Mississippi	6,918	6,009	5,844	5½	6	Wyoming	1,447	1,587	1,418	4	4
Missouri	8,639	9,207	8,950	2	2						

Sources: Table 374, Bureau of the Census, Department of Commerce; Table 375, Bureau of Public Roads, Department of Agriculture.

No. 376.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES

NOTE.—Net number of cars and trucks shown when possible, excluding reregistrations and nonresident registrations. Totals in this table do not include those official cars which are exempt (or partially exempt) from paying regular registration fees to the States

Division and State	1913	1915	1920	1925 [1]	1930 [1]	1931 [1]	1932 [1]
Continental U. S.	1,258,062	2,445,666	9,231,941	19,937,274	26,545,281	25,832,884	24,136,379
New England	121,327	206,609	573,321	1,290,151	1,698,619	1,716,514	1,634,107
Maine	11,022	21,545	62,907	140,499	186,157	188,238	171,757
New Hampshire	8,237	13,449	34,680	81,498	112,183	111,510	106,431
Vermont	5,913	11,499	31,625	69,576	86,624	83,877	77,595
Massachusetts	62,660	102,633	274,498	646,153	846,206	840,190	801,909
Rhode Island	10,295	16,362	50,477	101,756	136,423	137,878	133,408
Connecticut	23,200	41,121	119,134	250,669	331,026	354,821	343,007
Middle Atlantic	266,033	497,227	1,474,106	3,536,570	4,914,101	4,909,058	4,763,801
New York	134,495	255,242	676,205	1,625,583	2,307,730	2,297,249	2,241,939
New Jersey	51,360	81,848	227,737	580,554	852,850	869,867	857,850
Pennsylvania	80,178	160,137	570,164	1,330,433	1,753,521	1,741,942	1,664,021
East North Central	314,524	653,665	2,229,396	4,918,383	6,384,157	6,171,296	5,709,297
Ohio	86,156	181,332	621,390	1,346,400	1,759,363	1,710,625	1,589,524
Indiana	45,000	96,915	333,067	725,410	875,763	862,672	796,815
Illinois	94,656	180,832	568,924	1,263,177	1,638,260	1,612,770	1,493,498
Michigan	54,366	114,845	412,717	989,010	1,328,209	1,230,980	1,134,808
Wisconsin	34,346	79,741	293,298	594,386	782,562	754,249	694,652
West North Central	232,044	499,992	1,782,946	2,941,814	3,681,901	3,561,269	3,276,773
Minnesota	46,000	93,269	324,166	569,694	732,972	720,401	683,397
Iowa	70,299	145,109	437,378	659,202	778,386	748,438	680,330
Missouri	38,140	76,462	297,008	604,166	761,600	752,805	717,460
North Dakota	15,187	24,908	90,840	144,972	183,019	171,293	153,570
South Dakota	14,457	28,724	120,395	168,028	205,172	193,025	161,933
Nebraska	13,411	59,000	219,000	338,719	426,229	416,131	375,716
Kansas	34,550	72,520	294,159	457,033	594,523	559,176	504,367
South Atlantic	77,823	150,594	806,053	1,920,982	2,517,673	2,463,184	2,259,657
Delaware	2,440	5,052	18,300	40,140	56,109	55,202	52,851
Maryland	14,217	31,047	102,841	234,247	321,702	325,372	321,242
District of Columbia	4,000	8,009	34,161	103,092	156,676	173,519	160,567
Virginia	9,022	21,357	115,470	282,650	375,889	379,227	370,587
West Virginia	5,144	13,279	80,664	217,589	266,273	253,308	227,888
North Carolina	10,000	21,000	140,860	[2] 340,287	453,241	428,737	375,695
South Carolina	10,000	15,000	93,843	168,496	218,402	203,719	177,020
Georgia	[3] 20,000	25,000	146,000	248,093	341,580	320,840	287,716
Florida	[3] 3,000	[3] 10,850	73,914	286,388	327,801	323,260	286,091
East South Central	26,360	48,421	357,658	878,115	1,213,501	1,107,961	967,544
Kentucky	7,210	19,500	112,683	261,647	331,002	327,326	293,265
Tennessee	[4] 10,000	[5] 7,618	101,852	244,626	368,259	350,520	298,713
Alabama	5,300	11,634	74,637	194,580	277,146	246,465	226,471
Mississippi	3,850	9,669	68,486	177,262	237,094	183,650	149,095
West South Central	48,583	84,433	772,655	1,790,017	2,411,714	2,223,807	1,998,877
Arkansas	3,583	8,021	59,082	183,589	220,204	180,731	136,503
Louisiana	[4] 10,000	11,380	73,000	207,000	275,283	263,050	242,748
Oklahoma	[3] 3,000	25,032	212,880	424,345	550,331	482,725	428,302
Texas	[4] 32,000	[4] 40,000	427,693	975,083	1,365,896	1,297,301	1,191,324
Mountain	33,215	78,520	374,473	675,706	962,572	937,411	849,935
Montana	5,916	14,540	60,650	94,656	135,168	127,166	109,129
Idaho	2,113	7,071	50,861	81,506	119,077	111,663	95,325
Wyoming	1,584	3,976	23,926	47,711	61,501	62,101	56,226
Colorado	13,000	28,894	129,255	240,097	308,509	308,458	285,860
New Mexico	1,808	5,100	22,100	49,111	84,150	81,325	76,767
Arizona	3,613	7,753	34,601	68,029	110,525	105,572	94,947
Utah	4,000	9,177	42,616	73,427	113,997	108,958	99,851
Nevada	1,091	2,009	10,464	21,169	29,645	32,168	31,830
Pacific	138,153	226,205	861,333	1,985,536	2,761,043	2,742,384	2,673,888
Washington	24,178	38,823	173,920	328,442	446,062	420,878	446,001
Oregon	13,975	23,585	103,790	216,553	[6] 273,625	[6] 278,225	[6] 259,271
California	[4] 100,000	163,797	583,623	1,440,541	2,041,356	2,043,281	1,971,616

[1] Includes road tractors.
[2] Fiscal registration year ends June 30; figure represents registration July 1 to Dec. 31.
[3] Registrations incomplete.
[4] Estimated.
[5] Cars registered during 1915 only; total, approximately 26,000.
[6] Registrations during year ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

No. 377.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1932

Division and State	Number of motor cars				Trailers, registered	Motor cycles, registered and official, combined	Receipts from motor-vehicle administration		Amount used for highway purposes
	Total	Individually and commercially owned, registered		Tax-exempt official motor cars			Total receipts [1]	Registration motor cars [2]	
		Passenger cars, busses, and taxis	Trucks and road tractors				Thousands of dollars		
Continental U.S.	[3] 24,317,020	20,903,422	3,233,457	[3] 180,141	412,998	100,364	324,274	259,601	271,216
New England	1,646,835	1,397,113	236,994	12,728	8,139	7,941	23,985	15,438	19,951
Maine	173,777	136,774	34,983	2,020	4,195	1,045	2,957	--------	2,358
New Hampshire	107,059	88,141	18,290	628	1,448	1,000	2,104	1,724	1,847
Vermont	77,733	69,230	8,365	138	519	479	2,218	1,919	2,218
Massachusetts	807,210	698,358	103,551	5,301	525	2,161	6,568	3,813	4,702
Rhode Island	134,507	114,950	18,458	1,099	68	939	2,184	1,767	1,905
Connecticut	346,549	289,660	53,347	3,542	1,384	2,317	7,954	6,215	6,921
Middle Atlantic	4,793,170	4,106,563	657,238	29,369	24,494	29,130	86,501	70,633	60,128
New York	2,267,304	1,931,384	310,546	25,374	13,796	12,755	41,272	36,753	22,956
New Jersey	858,722	726,201	131,649	872	2,863	5,256	15,413	11,567	9,686
Pennsylvania	1,667,144	1,448,978	215,043	3,123	7,835	11,119	29,816	22,313	27,486
East North Central	5,733,174	4,995,516	713,781	23,877	156,611	20,475	71,599	67,577	67,413
Ohio	1,603,810	1,420,550	168,974	14,286	45,588	7,152	18,425	17,493	17,880
Indiana	797,404	675,108	121,707	589	23,570	2,529	6,090	5,687	5,621
Illinois	1,495,308	1,311,783	181,715	1,810	8,950	5,274	16,967	16,217	15,817
Michigan	1,135,674	1,000,169	134,639	866	77,437	2,996	19,836	18,138	18,594
Wisconsin	700,978	587,906	106,746	6,326	1,066	2,524	10,281	10,042	9,501
West North Central	3,293,712	2,834,792	441,981	16,939	59,116	7,130	44,650	28,285	42,382
Minnesota	685,492	581,905	101,492	2,095	21,839	1,697	10,122	9,941	9,750
Iowa	684,984	606,523	73,807	4,654	2,833	1,669	11,671	10,922	10,835
Missouri	720,281	[4] 618,195	[4] 99,265	2,821	10,008	1,566	9,825	--------	9,224
North Dakota	154,188	130,660	22,910	618	39	230	1,800	1,786	1,727
South Dakota	163,245	142,552	19,381	1,312	8,852	220	2,444	2,386	2,375
Nebraska	377,645	322,347	53,369	1,929	13,531	834	3,349	3,250	3,246
Kansas	507,877	[4] 432,610	[4] 71,757	3,510	2,014	914	5,439	--------	5,225
South Atlantic	2,290,740	1,955,088	304,569	31,083	27,399	11,991	32,650	29,865	23,902
Delaware	53,544	[4] 43,441	[4] 9,410	693	649	370	1,018	866	1,018
Maryland	322,260	286,583	34,659	1,018	1,327	3,106	3,450	2,683	2,484
Dist. Columbia	165,133	142,890	17,677	4,566	607	1,378	868	167	--------
Virginia	376,688	308,806	61,781	6,101	1,673	2,184	6,241	5,869	5,855
West Virginia	230,682	193,232	34,656	2,794	1,785	1,167	4,065	3,779	3,880
North Carolina	385,187	328,500	47,195	9,492	7,774	1,215	5,444	5,362	4,798
South Carolina	179,158	157,453	19,567	2,138	2,041	648	2,470	2,233	2,230
Georgia	288,414	245,666	42,050	698	4,021	977	3,826	3,746	3,634
Florida	289,674	248,517	37,574	3,583	7,522	946	5,268	5,160	3
East South Central	978,366	842,655	124,889	10,822	9,836	2,838	3,699	6,487	12,671
Kentucky	296,331	260,959	32,306	3,066	(5)	894	4,651	4,470	4,253
Tennessee	304,888	267,279	31,434	6,175	3,294	1,162	3,872	--------	3,555
Alabama	227,790	194,237	32,234	1,319	3,948	604	3,038	--------	2,907
Mississippi	149,357	[4] 120,180	[4] 28,915	262	2,594	178	2,138	2,017	1,956
West South Central	2,013,593	1,692,648	306,229	14,716	44,855	5,489	24,860	18,998	23,910
Arkansas	137,236	112,587	23,916	733	3,118	188	2,796	2,770	2,768
Louisiana	243,198	198,787	43,961	450	6,624	773	4,120	3,894	4,043
Oklahoma	429,044	379,599	48,703	742	(5)	1,020	4,789	--------	4,685
Texas	1,204,115	1,001,675	189,649	12,791	35,113	3,508	13,155	12,334	12,414
Mountain	859,280	722,767	127,168	9,345	14,429	2,510	8,210	6,201	7,543
Montana	111,170	[4] 88,647	[4] 20,482	2,041	61	204	1,294	1,247	1,250
Idaho	96,774	81,993	13,332	1,449	9,924	306	1,617	1,579	1,532
Wyoming	56,989	46,330	9,896	763	(5)	116	676	--------	676
Colorado	286,381	255,854	30,006	521	563	805	1,947	1,693	1,850
New Mexico	78,227	61,720	15,047	1,460	591	233	770	734	598
Arizona	96,959	80,099	14,848	2,012	1,765	323	709	562	534
Utah	100,279	83,089	16,762	428	879	434	802	--------	738
Nevada	32,501	25,035	6,795	671	646	89	395	386	365
Pacific	2,707,817	2,356,280	320,608	30,929	68,119	12,860	18,119	16,135	13,315
Washington	453,238	381,490	64,511	7,237	4,543	1,953	2,180	2,001	1,494
Oregon [6]	262,947	236,405	22,866	3,676	1,706	1,535	6,548	5,943	5,894
California	1,991,632	1,738,385	233,231	20,016	61,870	9,372	9,391	8,191	5,927

[1] Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes.
[2] Totals include only the States shown; separate data not available for 8 States.
[3] Includes 333 "cars at large" not allocated to any State.
[4] Busses included with trucks.
[5] Trailers not registered.
[6] Data cover registration year ended June 30, 1932.

Source: Bureau of Public Roads, Department of Agriculture.

No. 378.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars

Year	Entire registration area			Registration States				
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Number of cars registered	Deaths per 100,000 cars
1911	59,183,071	1,291	2.2	54,285,189	1,150	2.2		
1912	60,359,974	1,758	2.9	55,188,437	1,563	2.8		
1913	63,200,625	2,488	3.9	58,235,115	2,241	3.8	882,911	253.8
1914	65,813,315	2,826	4.3	60,943,663	2,571	4.2	1,234,844	208.2
1915	67,095,681	3,978	5.9	61,881,753	3,589	5.8	1,775,064	202.2
1916	71,349,162	5,193	7.3	66,371,691	4,737	7.1	2,511,805	188.6
1917	74,984,498	6,724	9.0	69,646,824	6,064	8.7	3,530,268	171.8
1918	81,333,675	7,525	9.3	79,536,574	7,310	9.2	4,715,317	155.0
1919	85,166,043	7,968	9.4	83,612,508	7,771	9.3	5,922,572	131.2
1920	87,632,592	9,103	10.4	86,179,774	8,878	10.3	7,440,420	119.3
1921	89,102,434	10,168	11.4	87,592,175	9,903	11.3	8,578,536	115.4
1922	93,866,240	11,666	12.4	92,540,579	11,466	12.4	10,374,993	110.5
1923	97,816,104	14,411	14.7	96,385,407	14,157	14.7	13,359,965	106.0
1924	100,082,062	15,528	15.5	98,471,683	15,221	15.5	15,714,878	96.9
1925	102,951,999	17,571	17.1	101,111,137	17,149	17.0	17,875,567	95.9
1926	104,938,301	18,871	18.0	102,991,160	18,419	17.9	19,838,947	92.8
1927	108,177,568	21,160	19.6	106,309,646	20,704	19.5	21,084,564	98.2
1928	114,258,516	23,765	20.8	113,050,663	23,427	20.7	23,126,127	101.3
1929	116,317,515	27,066	23.3	115,097,972	26,662	23.2	25,097,555	106.2
1930	118,560,800	29,080	24.5	117,338,000	28,684	24.4	25,350,499	113.2
1931	119,421,000	30,042	25.2	118,157,000	29,658	25.1	24,705,328	120.0

Year	Rural area of registration States			Cities in registration States			Cities in nonregistration States		
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population
1911	26,901,350	306	1.1	27,383,839	844	3.1	4,897,882	141	2.9
1912	27,144,493	442	1.6	28,043,944	1,121	4.0	5,171,537	195	3.8
1913	29,108,597	687	2.4	29,126,518	1,554	5.3	4,965,510	247	5.0
1914	30,829,210	896	2.9	30,114,453	1,675	5.6	4,869,652	255	5.2
1915	31,078,193	1,226	3.9	30,803,560	2,363	7.7	5,213,928	389	7.5
1916	34,752,780	1,684	4.8	31,618,911	3,053	9.7	4,977,471	456	9.2
1917	36,928,787	2,174	5.9	32,718,037	3,890	11.9	5,337,674	660	12.4
1918	41,844,499	2,368	5.7	37,692,075	4,942	13.1	1,797,101	215	12.0
1919	44,664,983	2,508	5.6	38,947,525	5,263	13.5	1,553,535	197	12.7
1920	44,475,250	2,757	6.2	41,704,524	6,121	14.7	1,452,818	225	15.5
1921	45,070,088	3,368	7.5	42,522,087	6,535	15.4	1,510,259	265	17.5
1922	48,575,329	4,020	8.3	43,965,250	7,446	16.9	1,325,661	200	15.1
1923	50,867,586	5,209	10.2	45,517,821	8,948	19.7	1,430,697	254	17.8
1924	52,047,381	5,668	10.9	46,424,302	9,553	20.6	1,610,379	307	19.1
1925	53,580,742	6,509	12.8	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

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

No. 379.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars. See Table 68 for per cent of total population included in the registration area for each year.

State	Number of deaths						Rate per 100,000 estimated population					
	1921–1925, avg.	1926–1930, avg.	1928	1929	1930	1931	1921–1925, avg.	1926–1930, avg.	1928	1929	1930	1931
Registration area in continental United States	**13,869**	**23,988**	**23,765**	**27,066**	**29,080**	**30,042**	**14.3**	**21.3**	**20.8**	**23.3**	**24.5**	**25.2**
Registration States [1]	13,579	23,579	23,427	26,662	28,684	29,658	14.3	21.3	20.7	23.2	24.4	25.1
Cities [1]	8,624	13,622	13,430	14,865	16,491	16,956	19.1	26.3	26.0	28.2	29.0	29.3
Rural	4,955	9,957	9,997	11,797	12,193	12,702	9.9	16.9	16.3	18.9	20.1	21.1
Cities in nonregistration States	290	409	338	404	396	384	18.8	27.4	28.0	33.1	32.4	30.4
All registration cities [1]	8,914	14,031	13,768	15,269	16,887	17,340	19.1	26.3	26.0	28.3	29.1	29.3
REGISTRATION STATES												
Alabama	[2] 252	392	375	445	459	472	[2] 10.0	15.1	14.4	17.0	17.3	17.7
Arizona	(3)	143	123	153	181	149	(3)	34.2	29.4	35.7	41.3	33.6
Arkansas	(3)	[4] 242	211	282	306	313	(3)	[4] 13.1	11.5	15.3	16.5	16.8
California	1,131	1,828	1,755	2,100	2,193	2,367	27.0	34.5	33.2	38.1	38.3	40.5
Colorado	148	232	221	258	271	319	15.2	22.8	21.7	25.1	26.1	30.6
Connecticut	260	376	407	433	407	457	17.8	24.0	26.0	27.2	25.2	28.1
Delaware	36	64	75	57	74	76	15.8	27.1	31.8	24.0	31.0	31.7
Florida	217	479	404	488	563	518	19.0	34.6	29.2	34.1	38.0	34.4
Georgia	[5] 260	[6] 519	468	527	562	608	[5] 9.0	[6] 17.8	16.1	18.1	19.3	20.9
Idaho	[7] 46	87	90	81	109	88	[7] 10.5	19.7	20.3	18.2	24.5	19.7
Illinois	1,051	1,645	1,743	1,685	1,945	2,049	15.3	22.1	23.4	22.3	25.4	26.5
Indiana	399	772	784	897	965	1,023	13.1	24.2	24.6	27.9	29.7	31.4
Iowa	[8] 241	376	329	404	601	564	[8] 9.9	15.3	13.4	16.4	24.3	22.8
Kansas	193	322	304	373	439	402	10.7	17.3	16.3	19.9	23.3	21.3
Kentucky	167	357	342	389	477	514	6.7	13.8	13.3	15.0	18.2	19.5
Louisiana	162	332	348	373	371	412	8.5	16.2	17.0	17.9	17.6	19.4
Maine	83	127	115	151	159	159	10.7	16.0	14.5	19.0	19.9	19.9
Maryland	232	363	343	382	449	466	15.3	22.7	21.4	23.6	27.4	28.3
Massachusetts	609	732	724	781	779	813	15.3	17.5	17.3	18.5	18.3	19.0
Michigan	714	1,284	1,247	1,411	1,384	1,407	17.5	27.7	26.9	29.7	28.4	28.5
Minnesota	306	439	435	505	561	622	12.5	17.3	17.2	19.8	21.8	24.1
Mississippi	96	265	253	284	332	284	5.1	13.4	12.8	14.2	16.5	14.0
Missouri	391	605	625	651	739	844	11.2	16.8	17.4	18.0	20.3	23.1
Montana	60	100	118	114	100	118	11.0	18.5	21.9	21.2	18.6	21.9
Nebraska	119	224	217	265	286	291	9.0	16.4	15.9	19.3	20.7	21.0
Nevada	(3)	[9] 40	(3)	45	34	63	(3)	[9] 44.2	(3)	50.0	37.4	68.5
New Hampshire	59	83	76	98	103	100	13.1	18.0	16.5	21.1	22.1	21.4
New Jersey	643	1,040	1,015	1,209	1,211	1,229	18.6	26.7	26.1	30.4	29.8	29.9
New Mexico	(3)	[9] 104	(3)	97	111	95	(3)	[9] 24.7	(3)	23.2	26.1	22.2
New York	1,889	2,628	2,554	2,977	3,048	3,077	17.0	21.5	20.9	24.0	24.1	24.1
North Carolina	254	555	577	611	629	650	9.2	18.1	18.8	19.5	19.7	20.2
North Dakota	[10] 52	78	79	88	79	110	[10] 7.8	11.6	11.7	13.0	11.6	16.1
Ohio	988	1,706	1,708	1,990	2,019	1,970	16.3	26.3	26.3	30.2	30.3	29.3
Oklahoma	(3)	[6] 433	330	487	483	404	(3)	[6] 18.3	14.1	20.6	20.1	16.7
Oregon	125	221	249	221	253	292	14.9	23.9	26.9	23.5	26.4	30.2
Pennsylvania	1,405	2,011	1,882	2,159	2,422	2,412	15.6	21.2	19.9	22.6	25.1	24.9
Rhode Island	104	136	154	146	123	116	16.4	20.2	22.9	21.4	17.8	16.7
South Carolina	123	288	251	350	370	380	7.2	16.7	14.5	20.2	21.3	21.8
South Dakota	(3)	[11] 112	(3)	(3)	112	116	(3)	[11] 16.1	(3)	(3)	16.1	16.6
Tennessee	195	409	382	480	526	547	8.0	15.9	14.9	18.5	20.1	20.7
Utah	68	109	123	133	130	157	14.5	21.9	24.7	26.4	25.5	30.7
Vermont	42	62	69	64	71	71	11.8	17.3	19.3	17.8	19.7	19.7
Virginia	198	413	412	457	518	656	8.4	13.0	17.1	18.9	21.4	27.0
Washington	236	397	424	441	413	461	16.5	26.0	27.7	28.5	26.3	29.2
West Virginia	[2] 208	305	283	318	395	427	[2] 13.0	18.1	16.8	18.6	22.8	24.4
Wisconsin	306	568	620	612	712	731	11.2	19.7	21.5	21.0	24.2	24.7
Wyoming	[7] 51	65	59	73	72	98	[7] 24.7	29.5	26.8	32.7	31.9	43.0
REGISTRATION CITIES [12]												
Akron	39	82	83	90	100	77	18.0	34.3	35.7	35.5	39.1	29.3
Albany	28	40	39	35	48	45	23.7	32.0	31.2	27.7	37.6	34.9
Atlanta	53	76	71	89	87	95	23.5	29.2	27.2	33.4	32.0	34.2
Baltimore	130	188	185	198	206	226	17.1	23.7	23.3	24.8	25.5	27.8
Birmingham	46	63	63	76	70	82	22.3	25.6	25.6	29.9	26.8	30.4

For footnotes see following page.

No. 379.—Automobile Fatalities in States and Large Cities Having Death Registration—Continued

City	Number of deaths						Rate per 100,000 estimated population					
	1921–1925, avg.	1926–1930, avg.	1928	1929	1930	1931	1921–1925, avg.	1926–1930, avg.	1928	1929	1930	1931
Boston	132	138	138	145	120	148	17.4	17.8	17.8	18.6	15.3	18.8
Bridgeport	25	36	44	39	40	59	17.3	24.6	30.1	26.6	27.2	40.1
Buffalo	111	156	151	184	175	153	21.0	27.8	26.9	32.4	30.5	26.3
Chicago	597	795	884	768	841	953	20.4	24.4	27.1	23.1	24.8	27.6
Cincinnati	91	135	132	150	167	149	21.8	30.5	29.8	33.5	36.9	32.6
Cleveland	189	281	273	312	303	286	22.7	31.8	30.9	34.9	33.6	31.4
Columbus	54	99	100	117	135	121	21.1	35.0	35.3	40.7	46.3	40.9
Dallas	37	64	66	67	78	81	19.2	26.2	27.0	26.4	29.7	29.7
Dayton	28	61	64	75	71	75	16.6	31.7	33.2	38.0	35.2	36.7
Denver	44	63	55	69	80	86	16.5	22.3	19.5	24.2	27.7	29.5
Des Moines	[8] 19	33	25	33	46	43	[8] 14.2	23.6	17.9	23.3	32.2	29.8
Detroit	242	388	360	392	384	372	21.0	26.8	24.8	25.8	24.2	22.5
Flint	19	44	42	49	50	53	16.2	30.1	28.7	32.2	31.6	32.3
Fort Worth	[7] 21	43	44	55	56	55	[7] 15.3	27.3	27.7	34.1	34.1	32.9
Grand Rapids	28	38	33	44	47	36	19.1	23.2	20.1	26.4	27.8	21.0
Hartford	38	46	51	49	37	55	25.9	28.8	31.9	30.2	22.5	32.9
Houston	28	77	71	115	101	101	15.5	29.6	26.2	40.6	34.2	32.6
Indianapolis	58	110	120	29	134	156	17.5	31.0	33.8	35.8	36.7	42.2
Jacksonville	25	45	38	53	45	56	24.7	35.6	30.1	41.4	34.6	42.5
Jersey City	46	56	48	73	55	43	15.1	17.9	15.3	23.1	17.3	13.5
Kansas City, Kans	17	19	18	14	36	24	15.2	15.8	15.0	11.6	29.5	19.5
Kansas City, Mo	78	92	96	82	118	137	22.3	23.8	24.8	20.8	29.4	33.5
Long Beach	22	39	27	57	48	60	25.8	30.2	20.9	41.7	33.4	39.4
Los Angeles	220	365	337	430	417	488	27.6	32.2	29.7	36.0	33.3	37.0
Louisville	53	80	80	86	87	109	18.9	26.1	26.1	28.0	28.3	35.4
Memphis	41	75	80	82	87	100	23.4	36.2	39.6	39.9	34.3	38.6
Milwaukee	73	114	127	112	110	108	14.8	20.5	22.9	19.6	19.0	18.2
Minneapolis	68	88	89	108	110	114	16.7	19.6	19.7	23.5	23.6	24.1
Nashville	29	51	43	64	64	71	23.1	34.9	30.1	41.8	41.5	45.7
New Haven	34	49	49	62	45	51	20.9	30.1	30.1	38.1	27.7	31.3
New Orleans	64	108	114	124	120	126	15.5	24.2	25.5	27.3	26.1	27.0
New York	961	1,191	1,120	1,342	1,310	1,299	15.8	17.8	16.7	19.6	18.8	18.3
Newark, N. J	94	123	117	126	139	106	27.2	28.1	26.7	28.6	31.4	23.8
Norfolk	17	27	25	28	24	44	13.3	20.4	18.9	21.4	18.5	33.9
Oakland	44	74	72	85	111	101	18.4	27.2	26.4	30.5	38.9	34.6
Oklahoma City	15	44	34	59	76	55	12.2	26.1	20.2	33.0	40.5	27.9
Omaha	30	49	45	60	58	66	15.1	23.3	21.4	28.3	27.0	30.5
Paterson	39	50	57	59	50	52	28.5	36.2	41.3	42.7	36.1	37.5
Philadelphia	262	346	318	381	377	354	14.0	17.9	16.5	19.6	19.3	18.0
Pittsburgh	146	193	160	197	228	218	23.7	29.4	24.2	29.6	34.0	32.2
Portland, Oreg	40	61	64	56	71	95	14.7	20.8	21.8	18.7	23.4	30.9
Providence	56	69	77	69	72	52	23.1	27.6	30.8	27.4	28.4	20.4
Richmond	28	49	52	51	59	90	16.0	27.1	28.7	28.0	32.2	48.8
Rochester	48	67	68	58	80	76	15.6	20.8	21.1	17.8	24.3	22.9
St. Louis	164	177	205	172	175	180	20.8	21.8	25.2	21.0	21.3	21.7
St. Paul	45	61	58	69	76	87	18.2	23.0	21.9	25.7	27.9	31.5
Salt Lake City	28	42	45	58	44	50	22.3	30.8	33.0	41.8	31.3	35.0
San Antonio	30	58	64	72	66	63	16.2	26.4	29.1	31.8	28.3	26.2
San Diego	30	57	63	62	77	66	30.3	41.6	46.0	43.3	51.5	42.2
San Francisco	107	137	138	119	133	126	19.4	22.4	22.5	19.0	20.9	19.4
Scranton	30	38	33	49	44	36	21.5	26.7	23.2	34.3	30.6	25.0
Seattle	52	85	90	104	83	116	15.6	23.8	25.2	28.7	22.6	31.2
Springfield, Mass	22	35	26	40	46	33	16.1	23.9	17.8	27.0	30.6	21.7
Syracuse	37	53	59	59	61	70	20.3	26.1	28.9	28.5	29.0	32.8
Toledo	52	96	85	106	107	120	20.1	33.9	29.9	36.8	36.7	40.4
Trenton	32	48	50	58	57	56	26.5	39.1	40.8	47.1	46.2	45.2
Tulsa	(3)	[6] 39	31	37	50	33	(3)	[6] 29.4	26.1	27.1	35.2	22.6
Washington, D. C	80	117	124	117	138	161	17.6	24.5	25.9	24.2	28.3	32.8
Worcester	33	40	35	33	53	37	17.8	20.8	18.2	17.0	27.1	18.8
Yonkers	16	22	19	27	19	24	14.3	17.1	14.8	20.4	14.0	17.3
Youngstown	36	63	63	88	64	69	25.7	40.8	41.6	57.4	37.5	39.9

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

Source: Bureau of the Census, Department of Commerce.

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

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

GENERAL NOTE.—The total steam railroad mileage of the United States includes: (*a*) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (*b*) switching and terminal railroads, also reporting to the commission; and (*c*) private railroads (defined by the commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

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

Operating railways are divided into three classes, according to the amount of gross operating revenue in 1919: Class I, having more than $1,000,000 of such revenue; Class II, from $100,000 to $1,000,000; and Class III, less than $100,000. During recent years more detailed reports are required from Class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of Class II and Class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by Class I.

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

Class I companies make monthly reports and the yearly totals from these become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

No. 380.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED CLASSIFIED BY TRACKAGE

NOTE.—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,000 miles of first main track). The first and second columns cover all railways including "circular" and "unofficial" lines; the last five columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies

Year	Miles of road (first track) owned	Miles operated					
		All railways: Road (first track)	Reporting railways				Class I railways: Road (first track)
			Road (first track)	Other main tracks	Yard track and sidings	Total track	
June 30, 1890	163,597	167,191	156,404	9,760	33,711	199,875	----------
1895	180,657	184,628	177,746	12,348	43,181	233,275	----------
1900	193,346	198,964	192,556	14,075	52,153	258,784	----------
1905	218,101	225,196	216,974	19,881	69,942	306,797	----------
1910	240,293	249,992	240,831	25,354	85,582	351,767	----------
1911	243,979	254,732	246,238	27,612	88,974	362,824	216,877
1912	246,777	258,033	249,852	29,367	92,019	371,238	220,063
1913	249,777	261,036	253,470	30,827	95,211	379,508	224,236
1914	252,105	263,547	256,547	32,376	98,285	387,208	226,999
1915	253,789	264,378	257,569	33,662	99,910	391,141	228,989
Dec. 31, 1916	254,037	266,381	259,705	34,325	102,984	397,014	231,674
1917	253,626	266,015	259,705	35,066	105,582	400,353	232,697
1918	253,529	264,233	258,507	36,228	107,608	402,343	233,145
1919	253,152	263,707	258,525	36,730	108,637	403,892	234,363
1920	252,845	263,821	259,941	36,894	109,744	406,579	235,234
1921	251,176	262,544	258,362	37,614	111,555	407,531	234,702
1922	250,413	261,984	257,425	37,888	114,046	409,359	234,976
1923	250,222	262,482	258,084	38,697	116,212	412,993	235,574
1924	250,156	262,158	258,238	39,916	116,874	415,028	235,894
1925	249,398	261,871	258,631	40,962	118,361	417,954	236,849
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

Source: Interstate Commerce Commission.

No. 381.—RAILWAY MILEAGE OWNED: By States

Note.—See headnote to Table 380. 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	1925	1930	1931
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,398	249,052	248,829
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,754	7,596	7,589
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,228	2,193	2,192
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,234	1,165	1,165
Vermont	554	614	914	921	1,012	1,100	1,077	1,057	1,056	1,051
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,071	2,022	2,014
Rhode Island	108	136	210	213	212	212	211	196	191	194
Connecticut	601	742	923	1,007	1,024	1,000	1,001	968	969	973
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	22,003	21,752	21,722
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,373	8,312	8,282
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,292	2,299	2,285
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,338	11,141	11,155
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,935	31,644	31,549
Delaware	127	197	275	323	347	335	335	332	325	325
District of Columbia	(4)	(4)	(4)	30	32	36	36	37	36	36
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,447	1,443	1,439
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,554	4,516	4,492
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,038	4,046	4,125
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,347	5,161	5,058
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,748	3,780	3,775
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,980	6,671	6,671
Florida	402	446	518	2,471	3,299	4,432	5,212	5,452	5,666	5,628
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,843	43,770	43,543
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,812	8,804	8,733
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,187	7,106	7,108
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	11,994	12,500	12,472
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,349	8,072	8,020
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,501	7,288	7,210
West North Central	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,856	51,400	51,383
Minnesota	--------	1,092	3,151	5,466	6,943	8,669	9,114	8,787	8,779	8,778
Iowa	655	2,683	5,400	8,356	9,185	9,755	9,808	9,814	9,698	9,685
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,117	8,051	7,897	7,970
North Dakota	--------	[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,277	5,275	5,275
South Dakota	--------	(6)	(6)	2,486	2,850	3,948	4,276	4,245	4,238	4,219
Nebraska	--------	705	1,953	5,295	5,685	6,067	6,166	6,189	6,174	6,173
Kansas	--------	1,501	3,400	8,806	8,719	9,007	9,388	9,493	9,339	9,283
South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,492	17,452	17,358
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,005	4,054	3,991
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	4,063	3,940	3,941
Alabama	743	1,157	1,843	3,314	4,226	5,226	5,378	5,254	5,249	5,256
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,170	4,209	4,170
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	32,588	33,227	33,398
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,868	4,654	4,639
Texas	307	711	3,244	8,613	9,886	14,282	16,125	16,198	17,069	17,204
Oklahoma	--------	--------	289	1,214	2,151	5,980	6,572	6,621	6,678	6,742
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,901	4,826	4,813
Mountain	--------	1,466	5,082	12,676	15,808	22,956	25,170	24,723	24,973	24,973
Montana	--------	--------	106	2,181	3,010	4,207	5,072	5,037	5,228	5,212
Wyoming	--------	459	512	942	1,229	1,645	1,931	1,992	2,036	2,037
Colorado	--------	157	1,570	4,176	4,587	5,533	5,519	5,077	4,972	4,964
New Mexico	--------	--------	758	1,324	1,753	3,032	2,972	2,998	2,973	3,009
Arizona	--------	--------	349	1,097	1,512	2,097	2,478	2,378	2,494	2,472
Utah	--------	257	842	1,090	1,547	1,986	2,161	2,189	2,196	2,196
Nevada	--------	593	739	925	909	2,277	2,160	2,137	2,109	2,131
Idaho	--------	--------	206	941	1,261	2,179	2,877	2,915	2,965	2,952
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,204	17,238	17,314
Washington	--------	--------	289	1,783	2,914	4,875	5,587	5,559	5,542	5,524
Oregon	--------	159	508	1,428	1,724	2,285	3,305	3,357	3,456	3,473
California	23	925	2,195	4,356	5,751	7,772	8,356	8,288	8,240	8,317
Alaska Territory	--------	--------	--------	--------	22	390	246	801	790	750
Hawaii Territory	--------	--------	--------	--------	--------	175	243	252	232	232

[1] Represents mileage operated.
[2] Revised total 240,293 not distributed by States.
[3] Totals exclude Alaska and Hawaii.
[4] Included in returns for Maryland.
[5] Figures for Dakota.
[6] For total Dakota see North Dakota.

Source: Interstate Commerce Commission.

No. 382.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE.—See note to Table 380. 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	1890	163,597	156,404	1911	243,979	246,238
1850		9,021	1891	168,403	161,275	1912	246,777	249,852
1855		18,374	1892	171,564	162,397	1913	249,777	253,470
1860		30,626	1893	176,461	169,780	1914	252,105	256,547
1865		35,085	1894	178,709	175,691	1915	253,789	257,569
1870		52,922	1895	180,657	177,746	1916	254,037	259,705
1875		74,096	1896	182,777	181,983	1917	253,626	259,705
1876		76,808	1897	184,428	183,284	1918	253,529	258,507
1877		79,082	1898	186,396	184,648	1919	253,152	258,525
1878		81,747	1899	189,295	187,535	1920	252,845	259,941
1879		86,556	1900	193,346	192,556	1921	251,176	258,362
1880		93,262	1901	197,237	195,562	1922	250,413	257,425
1881		103,108	1902	202,472	200,155	1923	250,222	258,084
1882		114,677	1903	207,977	205,314	1924	250,156	258,238
1883		121,422	1904	213,904	212,243	1925	249,398	258,631
1884		125,345	1905	218,101	216,974	1926	249,138	258,815
1885		128,320	1906	224,363	222,340	1927	249,131	259,639
1886		136,338	1907	229,951	227,455	1928	249,309	260,546
1887		149,214	1908	233,468	230,494	1929	249,433	260,570
1888		156,114	1909	236,834	235,402	1930	249,052	260,440
1889		161,276	1910	240,293	240,831	1931	248,829	259,999

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

No. 383.—MILEAGE OPERATED AND EQUIPMENT: CLASS I CARRIERS

NOTE.—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail see Table 387

Year ended Dec. 31	Mileage operated				Locomotives			Aggregate capacity of freight cars (1,000 tons)
	Road (first track)	Other main tracks	Yard track and sidings	Total track	Number, steam and electric	Tractive power, steam only		
						Aggregate (1,000 lbs.)	Average (lbs.)	
Total:								
1916	231,674	34,129	98,334	364,137	61,332	2,024,119	33,188	92,280
1920	235,234	36,737	105,408	377,379	64,746	2,340,761	36,365	98,343
1922	234,976	37,704	109,463	382,143	64,512	2,401,452	37,441	98,844
1923	235,574	38,573	111,708	385,855	65,327	2,544,115	39,177	101,317
1924	235,894	39,735	112,253	387,882	65,358	2,593,178	39,891	104,149
1925	236,849	40,817	113,873	391,539	63,974	2,586,868	40,666	105,570
1926	237,054	41,537	116,353	394,944	62,761	2,611,238	41,886	105,953
1927	238,634	41,926	118,654	399,214	61,344	2,606,171	42,798	105,846
1928	240,747	42,255	120,479	403,481	59,441	2,579,643	43,838	105,322
1929	242,015	42,556	121,882	406,453	57,537	2,550,813	44,801	105,411
1930	242,391	42,584	123,024	407,999	56,493	2,526,940	45,225	106,180
1931	242,292	[1] 42,627	123,318	408,237	55,055	2,488,861	45,764	103,422
Eastern district:								
1916	59,175	20,879	40,056	120,110	28,179	958,339	34,333	47,185
1920	59,513	21,734	42,387	123,634	29,478	1,102,551	37,762	49,543
1925	59,249	22,882	45,054	127,185	28,409	1,193,573	42,408	51,449
1928	59,450	23,354	46,184	128,988	25,919	1,159,102	45,425	51,087
1929	60,362	23,448	46,677	130,487	24,921	1,141,547	46,563	50,998
1930	60,014	23,131	46,552	129,697	24,247	1,108,965	46,531	50,618
1931	59,920	23,057	46,524	129,501	23,800	1,095,382	46,942	49,945
Southern district:								
1916	42,753	3,940	15,695	62,388	9,754	323,023	33,165	15,633
1920	43,799	4,436	17,080	65,315	10,740	392,332	36,625	16,980
1925	44,241	5,707	19,199	69,147	11,158	457,579	41,112	18,968
1928	45,760	6,122	21,241	73,123	11,126	485,761	43,944	19,389
1929	45,758	6,149	21,387	73,294	10,808	478,826	44,600	19,177
1930	46,087	6,377	21,882	74,346	10,717	483,145	45,404	19,871
1931	46,105	6,363	21,877	74,345	10,529	478,876	45,812	19,484
Western district:								
1916	129,746	9,310	42,583	181,639	23,399	742,757	31,827	29,463
1920	131,922	10,567	45,941	188,430	24,528	845,878	34,584	31,820
1925	133,359	12,228	49,620	195,207	24,407	935,716	38,448	35,153
1928	135,537	12,779	53,054	201,370	22,396	934,780	41,967	34,846
1929	135,895	12,959	53,818	202,672	21,803	930,440	42,909	35,236
1930	136,290	13,076	54,590	203,956	21,529	934,830	43,682	35,691
1931	136,267	13,207	54,917	204,391	20,726	914,603	44,405	33,993

[1] Includes second track, 36,861 miles; third track, 3,211 miles; fourth and other, 2,555 miles.

Source: Interstate Commerce Commission.

No. 384.—MILEAGE OF ROAD AND TRACKS OPERATED: CLASS I CARRIERS, BY DISTRICTS

NOTE.—Figures include some mileage in Canada operated by United States companies as follows: 1916, 2,097 miles; 1920, 1,949 miles; 1925, 3,087 miles; 1930, 2,898 miles; 1931, 2,887 miles, consisting of 1,710 miles of road, 501 miles of second main track, 68 miles of industrial tracks, and 608 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1930, 21,694 miles; 1931, 21,687 miles

District and year ended Dec. 31	Total, all tracks	Road (first main track)	Second main track	Third main track	Fourth and other main tracks	Yard track and sidings	Electrified mileage			
							Total track	Road (first main track)	Other main tracks	Yard track and sidings
All districts:										
1916	364,137	231,674	29,223	2,716	2,190	98,334	(1)	(1)	(1)	(1)
1920	377,379	235,234	31,512	2,936	2,289	105,408	3,132	1,449	900	783
1925	391,539	236,848	35,200	3,111	2,506	113,874	[2] 3,598	[2] 1,674	972	952
1930	407,999	242,391	36,755	3,239	2,590	123,024	5,098	2,381	1,432	1,285
1931	408,237	242,292	36,861	3,211	2,555	123,318	5,225	2,395	1,464	1,366
Eastern district:										
1916	120,110	59,175	16,666	2,408	1,805	40,056	(1)	(1)	(1)	(1)
1930	129,697	60,014	18,335	2,762	2,034	46,552	3,173	1,233	1,169	771
1931	129,501	59,920	18,316	2,735	2,006	46,524	3,297	1,255	1,196	846
Southern district:										
1916	62,389	42,753	3,725	43	173	15,695	(1)	(1)	(1)	(1)
1930	74,346	46,087	5,904	144	329	21,882	657	270	182	205
1931	74,345	46,105	5,909	143	311	21,877	660	270	182	208
Western district:										
1916	181,638	129,746	8,832	265	212	42,583	(1)	(1)	(1)	(1)
1930	203,956	136,290	12,516	333	227	54,590	1,268	878	81	309
1931	204,391	136,267	12,636	333	238	54,917	1,268	870	86	312

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

No. 385.—RAILWAY EQUIPMENT INSTALLED AND RETIRED FROM SERVICE: CLASS I CARRIERS

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

Year ended—	Locomotives		Freight-train cars		Passenger-train cars	
	Number installed	Number retired	Number installed	Number retired	Number installed	Number retired
June 30, 1909	1,549	1,333	67,925	33,223	1,786	1,591
1910	3,073	1,452	134,593	75,652	3,505	1,914
1911	3,694	1,468	125,532	68,031	4,250	1,701
1912	2,861	1,858	97,972	69,876	3,060	1,387
1913	4,381	2,338	162,670	96,825	2,823	1,842
1914	3,245	1,862	150,813	96,985	3,629	1,854
1915	1,114	1,507	86,012	90,347	2,664	1,385
1916	1,475	2,576	88,254	109,996	1,261	2,156
Dec. 31, 1917	2,148	1,423	117,210	62,253	2,535	1,671
1918	2,803	977	65,249	56,024	1,817	1,051
1919	2,062	999	76,019	43,274	435	670
1920	1,017	1,254	36,044	75,197	621	885
1921	1,330	1,130	63,406	69,245	1,681	929
1922	1,226	1,682	105,394	126,471	1,328	1,286
1923	4,360	3,746	232,060	213,789	2,658	2,360
1924	2,786	2,529	156,572	118,590	2,755	2,295
1925	1,600	2,873	139,083	128,573	3,230	3,569
1926	[1] 1,882	[1] 3,105	93,369	103,152	3,455	3,309
1927	[1] 1,542	[1] 2,976	73,254	96,991	2,646	3,612
1928	[1] 1,017	[1] 3,047	62,945	90,707	2,524	3,252
1929	[1] 1,229	[1] 3,134	94,946	115,869	2,663	3,499
1930	[1] 1,160	[1] 2,204	81,038	82,101	1,900	2,036
1931	[1] 482	[1] 1,802	14,910	82,828	697	1,938

[1] Excludes units transferred from one class of service to another.
Source of Tables 384 and 385: Interstate Commerce Commission.

No. 386.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES

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

Year	Locomotives					Freight-train cars [1]			Passenger-train cars
	Total number	Steam			Electric, number	Total number	Capacity		
		Number	Tractive power				Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lbs.)	Average (lbs.)					
June 30, 1890	30,140	-------	-------	-------	-------	918,491	-------	-------	26,820
1900	37,663	-------	-------	-------	-------	1,365,531	-------	-------	34,713
1910	60,019	-------	1,588,894	27,282	-------	2,148,478	76,579	35.9	47,179
1915	66,502	66,229	[2] 2,014,201	[2] 31,546	273	2,341,567	[3] 92,238	[3] 39.6	55,810
Dec. 31, 1916	65,595	65,253	[2] 2,066,166	[2] 32,890	342	2,329,475	[3] 94,441	[3] 40.8	55,193
1917	66,070	65,699	[4] 2,087,950	[4] 33,932	371	2,379,472	[4] 95,467	[4] 41.5	55,939
1918	67,936	67,563	[4] 2,223,246	[4] 34,995	373	2,397,943	[4] 96,767	[4] 41.6	56,611
1919	68,977	68,592	[4] 2,312,634	[4] 35,789	385	2,426,889	[4] 99,001	[4] 41.9	56,290
1920	68,942	68,554	[4] 2,340,761	[4] 36,365	388	2,388,424	[4] 98,343	[4] 42.4	56,102
1921	69,122	68,733	[4] 2,385,470	[4] 36,935	389	2,378,510	[4] 98,504	[4] 42.5	56,950
1922	68,518	68,121	[4] 2,401,452	[4] 37,441	397	2,352,483	[4] 98,847	[4] 43.1	56,827
1923	69,414	69,005	[4] 2,544,115	[4] 39,177	409	2,379,131	[4] 101,318	[4] 43.8	57,159
1924	69,486	69,114	[4] 2,593,178	[4] 39,891	372	2,411,627	[4] 104,149	[4] 44.3	57,451
1925	68,092	67,713	[4] 2,586,868	[4] 40,666	379	2,414,083	[4] 105,570	[4] 44.8	56,814
1926	66,816	66,381	[4] 2,611,238	[4] 41,886	435	2,403,967	[4] 105,953	[4] 45.1	56,855
1927	65,348	64,843	[4] 2,606,171	[4] 42,798	467	2,378,800	[4] 105,846	[4] 45.5	55,729
1928	63,311	62,642	[4] 2,579,643	[4] 43,838	617	2,346,751	[4] 105,322	[4] 45.8	54,800
1929	61,257	60,572	[4] 2,550,813	[4] 44,801	621	2,323,683	[4] 105,411	[4] 46.3	53,838
1930	60,189	59,406	[4] 2,526,940	[4] 45,225	663	2,322,267	[4] 106,180	[4] 46.6	53,584
1931	58,652	57,820	[4] 2,488,861	[4] 45,764	709	2,245,904	[4] 103,422	[4] 47.0	52,096

[1] Excludes caboose cars.
[2] Class I, Class II, and Class III roads.
[3] Class I and Class II roads.
[4] Class I roads.

No. 387.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Data for 1910 relate to June 30, thereafter to Dec. 31. 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, 1931			
	1910	1920	1925	1930	1931	Total	Eastern district	Southern district	Western district
Freight cars [1]	2,148,478	2,388,424	2,414,083	2,322,267	2,245,904	2,201,407	1,008,208	418,034	775,165
Box	966,603	1,056,514	1,086,562	1,064,652	1,022,627	1,017,445	439,704	167,988	409,753
Flat	153,958	117,604	113,562	108,181	104,878	96,124	20,323	19,379	56,422
Stock	78,811	81,678	87,452	84,460	81,412	80,481	13,532	7,366	59,583
Coal	818,731	968,034	979,483	930,624	906,008	884,690	510,812	210,557	163,321
Tank	7,434	11,130	12,151	10,981	10,616	9,388	26	21	9,341
Refrigerator	30,918	60,768	49,488	41,006	38,996	38,338	3,187	5,076	30,075
Other	78,666	92,696	85,385	82,363	81,367	74,941	20,524	7,547	46,670
Steel [2]	(3)	630,150	757,065	854,864	843,542	843,542	552,879	161,153	129,510
Steel underframe [2]	(3)	886,296	1,056,125	1,118,257	1,101,565	1,101,565	422,047	193,762	485,756
Caboose cars	27,224	29,575	31,325	29,779	29,233	28,335	11,711	5,592	11,032
Passenger-train cars	[4] 47,179	56,102	56,814	53,584	52,096	50,747	25,641	7,595	17,511
Coaches	25,881	29,343	28,744	25,178	24,255	23,654	12,896	3,435	7,323
Combination	5,697	8,570	8,624	8,252	8,107	7,485	3,147	1,289	3,049
Emigrant	97	11	7	-------	-------	-------	-------	-------	-------
Parlor	634	574	502	507	491	486	86	74	326
Sleeping	490	558	377	223	215	213	8	5	200
Baggage and express	[5] 11,524	12,101	13,174	12,981	12,578	12,499	6,376	1,720	4,403
Postal	(3)	1,243	1,092	954	952	946	359	186	401
Other	2,752	3,702	4,294	5,489	5,498	5,464	2,769	886	1,809
Steel [2]	(3)	15,111	21,190	29,041	29,203	29,203	16,501	3,669	9,033
Steel underframe [2]	(3)	6,573	9,369	10,376	10,335	10,335	5,516	1,632	3,187
Company service equipment	80,891	108,485	112,592	109,527	105,794	102,515	34,353	17,522	50,640
Motor cars and trailers [2]	(3)	(3)	2,469	5,594	5,663	5,663	4,289	423	951

[1] Excludes caboose cars; total for 1910 includes 13,357 unclassified cars.
[2] Data represent Class I roads only.
[3] Data not available.
[4] Includes 104 unclassified cars.
[5] Postal cars included with baggage and express.

Source of Tables 386 and 387: Interstate Commerce Commission.

No. 388.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION [1]

Year ended—	All operating carriers: Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation: Per hour [2]	Average compensation: Per year
June 30:				
1890	749,301	-------	-------	-------
1895	785,034	445,508	-------	$568
1900	1,017,653	577,265	-------	567
1901	1,071,169	610,714	-------	570
1902	1,189,315	676,029	-------	568
1903	1,312,537	757,321	-------	577
1904	1,296,121	817,599	-------	631
1905	1,382,196	839,945	-------	608
1906	1,521,355	900,802	-------	592
1907	1,672,074	1,072,386	-------	641
June 30:				
1908	1,436,275	1,035,438	-------	$721
1909	1,502,823	988,324	-------	658
1910	1,699,420	1,143,725	-------	673
1911	1,669,809	1,208,466	-------	724
1912	1,716,380	1,252,348	-------	730
1913	1,815,239	1,373,831	-------	757
1914	1,710,296	1,381,117	-------	808
1916	1,654,075	1,403,968	$0.266	849
Dec. 31:				
1916	1,700,814	1,506,961	.275	886

Year ended Dec. 31—	All operating carriers: Average number of employees	Class I carriers: Average number of employees	Total hours (thousands)	Total yearly compensation (1,000 dollars)	Average hours per employee	Average compensation: Per hour [2]	Average compensation: Per year
1916	1,700,814	1,647,097	5,189,791	1,468,576	3,150.9	$0.283	$892
1917	1,785,893	1,732,876	5,437,977	1,739,482	3,138.1	.320	1,004
1918 [3]	1,891,517	1,841,575	5,701,417	2,613,813	3,095.9	.458	1,419
1919 [3]	1,960,439	1,913,422	5,032,493	2,843,128	2,630.1	.565	1,486
1920	2,075,886	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
1921	1,705,308	1,659,513	4,147,319	2,765,218	2,499.1	.667	1,666
1922	1,669,640	1,626,834	4,311,097	2,640,817	2,650.0	.613	1,623
1923	1,902,222	1,857,674	4,928,651	3,004,072	2,653.1	.610	1,617
1924	1,795,493	1,751,362	4,534,879	2,825,775	2,589.3	.623	1,613
1925	1,786,411	1,744,311	4,531,361	2,860,600	2,597.8	.631	1,640
1926	1,821,804	1,779,275	4,671,736	2,946,114	2,625.6	.631	1,656
1927	1,775,549	1,735,105	4,519,281	2,910,183	2,604.6	.644	1,677
1928	1,691,950	1,656,411	4,313,574	2,826,590	2,604.2	.655	1,706
1929	1,694,042	1,660,850	4,346,822	2,896,566	2,617.2	.666	1,744
1930	1,517,043	1,487,839	3,759,772	2,550,789	2,527.0	.678	1,714
1931	1,282,825	1,258,719	3,039,110	2,094,994	2,414.4	.689	1,664
1932	[4] 1,051,676	1,031,914	2,378,668	1,512,822	2,305.1	.636	1,466

[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.
[4] Estimated from data for Class I roads.

Source: Interstate Commerce Commission.

No. 389.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included. Average compensation in fifth and sixth columns is per day where so indicated in the footnote or stub. Data shown for principal occupations only. Data for occupations not shown included in group totals

District or class	Average number of employees: 1931	Average number of employees: 1932	Total compensation (1,000 dollars): 1931	Total compensation (1,000 dollars): 1932	Average per hour, straight time (dollars): 1931	Average per hour, straight time (dollars): 1932	Average per month, total compensation (dollars): 1931	Average per month, total compensation (dollars): 1932
All employees, all districts	1,278,175	1,048,568	2,127,181	1,535,928				
Daily basis	*108,798*	*94,096*	*299,382*	*232,139*	*8.57*	*7.73*	*229*	*206*
Hourly basis	*1,169,377*	*954,472*	*1,827,799*	*1,303,789*	*.644*	*.593*	*130*	*113*
Eastern district	575,449	476,035	975,814	696,238				
Daily basis	*52,989*	*45,343*	*139,015*	*104,669*	*8.20*	*7.30*	*219*	*192*
Hourly basis	*522,460*	*430,692*	*836,799*	*591,569*	*.677*	*.624*	*133*	*114*
Southern district	240,174	193,029	371,187	267,572				
Daily basis	*17,568*	*15,503*	*51,165*	*40,708*	*9.04*	*8.11*	*243*	*219*
Hourly basis	*222,606*	*177,526*	*320,022*	*226,864*	*.593*	*.558*	*120*	*106*
Western district	462,552	379,504	780,180	572,118				
Daily basis	*38,241*	*33,250*	*109,202*	*86,762*	*8.87*	*8.12*	*238*	*217*
Hourly basis	*424,311*	*346,254*	*670,978*	*485,356*	*.631*	*.582*	*132*	*117*

No. 389.—Employees and Their Compensation: Class I Carriers—Con.

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1931	1932	1931	1932	1931	1932	1931	1932
Executives, officials, and staff assistants	15,399	13,616	88,410	71,269				
Daily basis	*15,399*	*13,616*	*88,410*	*71,269*	*18.26*	*16.65*	*473*	*436*
Professional, clerical, and general	222,733	185,165	391,917	296,948				
Daily basis	*48,020*	*40,689*	*114,073*	*87,961*	*7.74*	*7.08*	*198*	*180*
Hourly basis	*174,713*	*144,476*	*277,844*	*208,987*	*.642*	*.590*	*133*	*121*
Maintenance of way and structures	275,486	215,887	297,434	195,954				
Daily basis	*4,563*	*3,926*	*13,456*	*10,400*	*9.32*	*8.37*	*246*	*221*
Hourly basis	*270,923*	*211,961*	*283,978*	*185,554*	*.465*	*.427*	*87*	*73*
Maintenance of equipment and stores	344,033	282,971	506,256	349,943				
Daily basis	*12,808*	*10,574*	*38,177*	*27,293*	*9.16*	*8.22*	*248*	*219*
Hourly basis	*331,225*	*272,397*	*468,079*	*322,650*	*.642*	*.582*	*118*	*99*
Transportation (other than train service, engine, and yard)	159,038	134,265	238,934	181,961				
Daily basis	*22,641*	*21,414*	*28,186*	*23,702*	*3.58*	*3.21*	*104*	*92*
Hourly basis	*136,397*	*112,851*	*210,748*	*158,259*	*.593*	*.550*	*129*	*117*
Transportation (yardmasters, switch tenders, and hostlers)	17,607	14,112	40,374	28,453				
Daily basis	*5,367*	*4,077*	*17,082*	*11,614*	*8.97*	*8.08*	*265*	*235*
Hourly basis	*12,240*	*10,035*	*23,292*	*16,939*	*.690*	*.629*	*159*	*141*
Transportation (train and engine service)	243,879	202,552	563,857	411,399				
Hourly basis	*243,879*	*202,552*	*563,857*	*411,399*	*.847*	*.778*	*193*	*169*

No. 390.—RECEIVERSHIPS OF RAILWAYS

Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership			Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership		
	Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)		Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)
1881			5	110	3,742	1908	52	9,529	24	8,009	596,359
1882			12	912	39,074	1909	44	10,530	5	859	78,095
1883			11	1,990	108,470	1910	39	5,257	7	735	51,428
1884			37	11,038	714,755						
1885			44	8,836	385,460	1911	39	4,593	5	2,606	210,607
						1912	44	9,786	13	3,784	182,112
1886			13	1,799	70,346	1913	49	16,286	17	9,020	477,781
1887			9	1,046	90,318	1914	68	18,608	22	4,222	199,571
1888			22	3,270	186,814	1915	85	30,223	12	20,143	1,070,809
1889			22	3,803	99,664						
1890			26	2,963	105,007	1916	80	34,804	9	4,439	208,160
						1917	82	17,376	19	2,486	61,170
1891			26	2,159	84,479	1918	74	19,208	8	3,519	242,091
1892			36	10,508	357,692	1919	65	16,590	7	244	11,887
1893			74	29,340	1,781,046	1920	61	16,290	10	541	21,620
1894	192	40,819	38	7,025	395,791						
1895	169	37,856	31	4,089	369,075	1921	68	13,512	14	1,744	63,872
						1922	64	15,259	12	4,330	329,115
1896	151	30,475	34	5,441	275,597	1923	64	12,623	10	2,218	87,914
1897	128	18,862	18	1,537	92,909	1924	61	8,105	11	920	30,223
1898	94	12,745	18	2,069	138,701	1925	53	18,687	6	11,368	680,422
1899	71	9,853	10	1,019	52,285						
1900	52	4,178	16	1,165	78,234	1926	45	17,632	6	88	2,821
						1927	40	16,752	6	924	45,237
1901	45	2,497	4	73	1,627	1928	33	5,256	1	19	529
1902	27	1,475	5	278	5,835	1929	29	5,703	3	634	30,981
1903	27	1,185	9	229	18,823	1930	30	9,486	4	4,752	277,324
1904	28	1,323	8	744	36,069						
1905	26	796	10	3,593	176,321	1931	45	12,970	19	5,195	432,152
						1932	(2)	(2)	13	11,817	626,577
1906	34	3,971	6	204	55,042						
1907	29	3,926	7	317	13,585						

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter. [2] Data not available.

Sources: Table 389, Interstate Commerce Commission; Table 390, first two columns, Interstate Commerce Commission; others, The Railway Age, Chicago.

No. 391.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

NOTE.—All amounts except "per mile of road" in millions of dollars. Switching and terminal companies excluded beginning with 1910; their total capitalization in 1931 was $775,663,816. 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
1905	13,805	5,181	1,374	7,251	2,070	568	11,167	---------	4,485	6,683	59.8
1910	18,417	6,710	1,403	10,303	2,555	1,486	14,376	62,819	5,559	8,817	61.3
Dec. 31, 1916	21,049	7,594	1,455	12,000	2,633	2,084	16,333	66,591	6,416	9,917	60.7
1917	21,249	7,455	1,848	11,947	2,720	2,128	16,402	66,699	6,583	9,819	59.9
1918	20,785	7,249	1,806	11,730	2,323	2,008	16,454	66,893	6,732	9,722	59.1
1919	20,950	7,193	1,898	11,859	2,314	2,086	16,550	67,170	6,777	9,773	59.1
1920	21,891	7,216	1,898	12,778	2,407	2,490	16,994	68,787	6,707	10,287	60.5
1921	22,292	7,275	1,800	13,216	2,402	2,807	17,083	69,816	6,673	10,409	60.9
1922	22,290	7,307	1,834	13,149	2,390	2,621	17,280	70,899	6,751	10,528	60.9
1923	22,839	7,398	1,852	13,589	2,402	2,626	17,810	73,417	6,847	10,963	61.6
1924	23,636	7,539	1,935	14,162	2,668	2,766	18,202	75,322	6,806	11,396	62.6
1925	23,644	7,602	1,937	14,105	2,654	2,800	18,190	74,460	6,885	11,305	62.1
1926	23,677	7,560	1,925	14,192	2,654	2,789	18,234	74,398	6,831	11,403	62.5
1927	23,615	7,683	1,980	13,952	2,907	2,571	18,137	73,984	6,756	11,381	62.7
1928	23,747	7,809	2,034	13,904	2,759	2,477	18,511	75,316	7,084	11,427	61.7
1929	23,983	7,853	2,065	14,065	2,705	2,598	18,680	75,598	7,213	11,467	61.4
1930	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	7,186	11,880	62.3
1931	24,343	8,030	2,049	14,264	2,968	2,434	18,941	76,822	7,111	11,830	62.5

No. 392.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

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

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dolls.)
	Actually outstanding (1,000 dolls.)	Paying dividends (1,000 dolls.)	Per cent paying dividends	Amount declared (1,000 dolls.)	Per cent on stock paying dividends	Per cent on all stock outstanding	
1891-1895	---------	1,737,048	---------	94,093	5.42	---------	243,013
1896-1900	---------	1,977,832	---------	104,295	5.27	---------	249,548
1901-1905	---------	3,505,694	---------	199,752	5.70	---------	285,755
1906-1910	---------	4,930,368	---------	339,685	6.89	---------	363,470
1908	7,300,739	4,843,371	65.69	390,695	8.07	5.30	368,296
1909	7,612,411	4,920,174	64.01	321,072	6.53	4.18	382,675
1910	8,010,730	5,412,578	66.71	405,771	7.50	5.00	399,582
1911	8,363,276	5,730,250	67.65	460,195	8.03	5.42	410,327
1912	8,552,447	5,581,289	64.73	400,315	7.17	4.64	429,027
1913	8,599,993	5,780,982	66.14	369,078	6.37	4.22	434,753
1914	8,654,215	5,667,073	64.39	451,653	7.97	5.13	442,595
1915	8,635,319	5,219,847	60.45	328,478	6.29	3.80	464,186
1916	8,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
1917	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918	8,846,717	5,138,851	58.09	339,186	6.60	3.83	468,286
1919	8,883,125	5,298,321	59.64	335,242	6.33	3.77	476,075
1920	8,843,100	5,075,040	57.30	331,103	6.52	3.74	500,354
1921	8,889,921	5,059,844	56.92	456,482	9.02	5.13	529,398
1922	8,961,637	5,321,347	59.38	338,806	6.37	3.78	538,594
1923	9,092,933	5,646,076	62.09	411,882	7.30	4.53	551,705
1924	9,300,054	6,042,268	64.97	385,130	6.37	4.14	588,301
1925	9,413,101	6,278,532	66.70	409,645	6.52	4.35	583,875
1926	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709
1927	9,539,491	6,701,427	70.25	567,281	8.47	5.95	583,452
1928	9,722,079	7,159,989	73.65	510,018	7.12	5.25	578,831
1929	9,847,311	7,506,265	76.23	560,902	7.47	5.70	580,770
1930	10,011,538	7,702,021	76.93	603,150	7.83	6.02	588,742
1931	10,008,413	7,325,664	73.20	401,463	5.48	4.01	592,866

Source of Tables 391 and 392: Interstate Commerce Commission.

No. 393.—RAILWAY SECURITIES ACTUALLY OUTSTANDING

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

Security and year ended Dec. 31—	All railroads				Class I	Class II	Class III	Non-operating subsidiaries
	All districts	Eastern district	Southern district	Western district				
Total:								
1916	19, 630, 610	7, 506, 045	2, 880, 243	9, 244, 322	16, 088, 847	660, 027	143, 862	2, 737, 874
1920	20, 098, 046	7, 881, 150	3, 004, 582	9, 212, 314	16, 855, 230	537, 113	107, 269	2, 598, 434
1925	21, 734, 096	8, 527, 168	3, 444, 426	9, 762, 502	18, 098, 164	437, 022	86, 157	3, 112, 753
1930	22, 782, 889	9, 128, 919	3, 658, 575	9, 995, 395	19, 006, 276	349, 079	64, 814	3, 362, 720
1931	22, 747, 228	9, 165, 961	3, 618, 847	9, 962, 420	19, 007, 175	351, 795	61, 855	3, 326, 403
Stock:								
1916	8, 755, 403	3, 426, 697	1, 167, 376	4, 161, 330	6, 953, 102	382, 614	91, 634	1, 328, 053
1920	8, 843, 100	3, 474, 212	1, 166, 809	4, 202, 079	7, 209, 735	286, 688	67, 247	1, 279, 430
1925	9, 413, 101	3, 771, 338	1, 324, 472	4, 317, 291	7, 633, 456	253, 208	56, 452	1, 469, 935
1930	10, 011, 538	4, 290, 108	1, 461, 628	4, 259, 802	8, 267, 129	207, 556	45, 068	1, 491, 785
1931	10, 008, 413	4, 300, 465	1, 460, 703	4, 247, 245	8, 271, 977	212, 548	43, 930	1, 479, 958
Funded debt:								
1916	10, 875, 207	4, 079, 348	1, 712, 867	5, 082, 992	9, 135, 745	277, 413	52, 228	1, 409, 821
1920	11, 254, 946	4, 406, 938	1, 837, 773	5, 010, 235	9, 645, 495	250, 425	40, 022	1, 319, 004
1925	12, 320, 995	4, 755, 830	2, 119, 954	5, 445, 211	10, 464, 708	183, 814	29, 705	1, 642, 768
1930	12, 771, 351	4, 838, 811	2, 196, 947	5, 735, 593	10, 739, 147	141, 523	19, 746	1, 870, 935
1931	12, 738, 815	4, 865, 496	2, 158, 144	5, 715, 175	10, 735, 198	139, 247	17, 925	1, 846, 445
1931								
Common stock	7, 973, 946	3, 628, 686	1, 254, 297	3, 090, 963	6, 390, 298	196, 850	42, 667	1, 344, 131
Preferred stock	2, 034, 467	671, 779	206, 406	1, 156, 282	1, 881, 679	15, 698	1, 263	135, 827
Mortgage bonds	9, 993, 111	3, 755, 776	1, 702, 273	4, 535, 062	8, 173, 342	131, 113	15, 349	1, 673, 307
Collateral trust bonds	576, 485	261, 221	144, 784	170, 480	519, 567	151	20	56, 747
Income bonds	346, 508	23, 812	14, 552	308, 144	324, 181	2, 626	1, 382	18, 319
Miscellaneous obligations	941, 649	455, 695	83, 398	402, 556	880, 886	3, 160	1, 139	56, 464
Equipment obligations	881, 062	368, 992	213, 137	298, 933	837, 222	2, 197	35	41, 608

No. 394.—PROPERTY INVESTMENT, INCOME, INTEREST, AND DIVIDENDS: REPORTED BY OPERATING ROADS

NOTE.—**All figures, except as indicated, in thousands of dollars.** Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission. It relates only to railway property, but includes leased lines, which are not included, however, under the other columns. All data exclude switching and terminal companies

Year ended—	Investment [1]	Investment per mile of road	Net railway operating income	Return on investment	Other income	Interest, rents, and other deductions	Dividends declared
		Dollars		*Per cent*			
June 30, 1908	13, 213, 767	61, 779	634, 794	4. 80	246, 420	485, 311	329, 062
1910 [2]	14, 557, 816	64, 382	805, 097	5. 53	222, 915	511, 417	351, 202
1914	17, 153, 786	72, 079	674, 190	3. 93	246, 187	576, 487	380, 339
1915	17, 441, 420	73, 208	694, 276	3. 98	189, 300	575, 198	264, 267
1916	17, 689, 425	73, 795	1, 002, 935	5. 67	195, 458	594, 378	286, 618
Dec. 31, 1916	17, 842, 777	74, 466	1, 058, 506	5. 93	213, 324	623, 180	311, 876
1917	18, 574, 298	77, 163	950, 557	5. 12	[3] 233, 252	[3] 574, 290	325, 601
1918	18, 984, 756	78, 820	646, 223	3. 40	(4)	[3] 667, 588	279, 929
1919	19, 300, 121	79, 974	454, 132	2. 35	(4)	[3] 630, 559	281, 569
1920	19, 849, 320	81, 954	12, 101	. 06	(4)	[3] 640, 516	275, 348
1921	20, 329, 224	84, 530	601, 139	2. 96	[3] 375, 001	[3] 662, 375	403, 991
1922	20, 580, 168	86, 004	769, 411	3. 74	[3] 265, 033	[3] 655, 647	275, 722
1923	21, 372, 858	89, 619	974, 918	4. 56	[3] 260, 655	[3] 667, 616	353, 127
1924	22, 182, 267	93, 233	984, 463	4. 44	[3] 269, 188	[3] 684, 559	325, 983
1925	23, 230, 916	94, 917	1, 136, 728	4. 89	[3] 268, 142	[3] 688, 387	349, 089
1926	23, 880, 740	97, 433	1, 229, 020	5. 15	[3] 297, 929	[3] 701, 965	411, 208
1927	24, 453, 871	99, 546	1, 077, 843	4. 41	[3] 311, 198	[3] 706, 284	503, 146
1928	24, 875, 984	100, 974	1, 182, 467	4. 75	[3] 320, 011	[3] 706, 052	436, 217
1929	25, 465, 036	103, 197	1, 262, 636	4. 96	[3] 350, 747	[3] 714, 638	495, 245
1930	26, 051, 000	105, 661	874, 154	3. 36	[3] 358, 893	[3] 703, 864	511, 259
1931	26, 094, 899	105, 953	528, 204	2. 02	[3] 305, 597	[3] 696, 463	333, 986

[1] Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies which do not render annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, $493,923,000; 1926, $831,574,000; 1927, $919,095,000; 1928, $1,013,752,000; 1929, $1,051,469,000; 1930, $1,095,630,527; 1931, $1,114,637,188. In this column no allowance is made for cash and material and supplies, and no deduction is made for depreciation.

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

[3] Does not include returns for Class II and Class III companies.

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

Source of Tables 393 and 394: Interstate Commerce Commission

No. 395.—FREIGHT TRAFFIC: TRAIN AND CAR MOVEMENT

NOTE.—Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only; and for "Class I roads" on revenue and nonrevenue tonnage, with exception of the "District" figures for 1916–1920. Tons are of 2,000 pounds

Class and year or yearly average	Train-miles (thousands)	Car-miles (thousands)		Tons of revenue freight		Freight revenue		Average miles per car per day
		Loaded (revenue and nonrevenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
All roads:								
1891–1895	467, 299	----------	----------	184	--------	1. 62	--------	--------
1896–1900	489, 723	----------	----------	229	--------	1. 76	--------	--------
1901–1905	519, 896	9, 631, 628	4, 320, 390	304	17. 4	2. 35	--------	--------
1906–1910	603, 105	11, 754, 421	5, 234, 008	359	19. 5	2. 72	--------	--------
1911–1915	608, 512	13, 369, 203	6, 169, 216	432	20. 7	3. 19	--------	--------
1916–1920	617, 430	15, 444, 150	6, 904, 625	604	25. 3	[1] 5. 30	--------	--------
1921–1925	577, 844	15, 243, 111	8, 096, 532	621	24. 6	[1] 7. 28	--------	--------
1926–1930	586, 389	17, 357, 165	10, 330, 175	700	24. 5	[1] 7. 67	--------	--------
1910	635, 451	12, 851, 295	5, 498, 337	380	19. 8	2. 86	--------	--------
1911	626, 496	12, 859, 386	5, 832, 515	383	19. 7	2. 90	--------	--------
1912	612, 345	13, 088, 332	5, 767, 144	407	20. 2	3. 02	--------	--------
1913	[2] 643, 841	[2] 14, 271, 944	[2] 6, 120, 861	[2] 445	[2] 21. 1	[2] 3. 24	--------	--------
1914	607, 872	13, 686, 818	6, 531, 274	447	21. 1	[2] 3. 31	--------	--------
1915	552, 004	12, 939, 535	6, 594, 287	476	21. 1	[2] 3. 47	[2] 15. 5	--------
1916	632, 304	15, 855, 103	6, 779, 225	552	22. 8	[2] 3. 93	[2] 16. 3	--------
1917	646, 402	15, 911, 203	6, 780, 872	588	24. 8	[1] 4. 27	[1] 17. 7	--------
1918	628, 436	14, 995, 557	7, 167, 144	621	27. 0	[1] 5. 33	[1] 22. 9	--------
1919	560, 499	14, 273, 422	6, 531, 570	623	25. 4	[1] 6. 14	[1] 24. 8	[1] 23. 0
1920	619, 507	15, 336, 778	7, 264, 316	639	26. 7	[1] 6. 81	[1] 28. 1	[1] 25. 1
1921	519, 817	12, 449, 086	7, 309, 192	567	24. 6	[1] 7. 38	[1] 31. 4	[1] 22. 4
1922	544, 486	13, 926, 355	6, 798, 121	599	24. 3	[1] 7. 19	[1] 28. 6	[1] 23. 5
1923	631, 167	16, 374, 750	8, 536, 002	632	25. 2	[1] 7. 19	[1] 28. 1	[1] 27. 8
1924	590, 879	15, 859, 163	8, 519, 637	634	24. 5	[1] 7. 22	[1] 27. 3	[1] 26. 8
1925	602, 873	16, 836, 710	9, 319, 706	663	24. 6	[1] 7. 41	[1] 26. 9	[1] 28. 5
1926	622, 295	17, 759, 004	10, 154, 842	689	25. 0	[1] 7. 58	[1] 27. 0	[1] 30. 4
1927	598, 435	17, 390, 777	10, 298, 061	690	24. 6	[1] 7. 59	[1] 26. 6	[1] 30. 3
1928	589, 616	17, 757, 670	10, 487, 254	706	24. 3	[1] 7. 77	[1] 26. 3	[1] 31. 2
1929	598, 343	18, 169, 092	10, 805, 302	718	24. 5	[1] 7. 86	[1] 26. 4	[1] 32. 3
1930	523, 255	15, 709, 284	9, 905, 415	699	24. 3	[1] 7. 56	[1] 25. 8	[1] 28. 7
1931	446, 261	13, 087, 643	8, 472, 144	653	23. 4	[1] 6. 98	[1] 24. 6	[1] 24. 5
Class I roads, total:								
1916–1920	604, 422	15, 156, 421	6, 836, 894	613	25. 4	5. 30	21. 9	--------
1921–1925	567, 286	14, 988, 046	8, 032, 691	633	27. 1	7. 28	28. 3	25. 8
1926–1930	576, 664	17, 262, 995	10, 267, 375	713	26. 9	7. 67	26. 4	30. 6
1929	589, 319	18, 084, 276	10, 747, 666	730	26. 9	7. 86	26. 4	32. 3
1930	515, 131	15, 637, 774	9, 856, 061	711	26. 6	7. 56	25. 8	28. 7
1931	439, 381	13, 031, 069	8, 433, 430	664	25. 6	6. 98	24. 6	24. 5
1932	390, 591	10, 396, 339	6, 737, 823	600	24. 9	6. 27	23. 6	19. 8
Eastern district:								
1916–1920	244, 387	6, 512, 690	3, 059, 466	738	28. 1	6. 05	23. 0	--------
1921–1925	220, 500	6, 183, 778	3, 317, 411	744	28. 8	8. 51	30. 7	22. 4
1926–1930	219, 468	6, 956, 068	4, 125, 220	818	28. 1	8. 92	28. 6	26. 4
1929	222, 537	7, 343, 854	4, 335, 313	849	28. 0	9. 25	28. 4	28. 1
1930	190, 446	6, 225, 933	3, 898, 385	825	27. 6	8. 91	27. 7	24. 5
1931	162, 734	5, 215, 130	3, 356, 944	771	26. 4	8. 20	26. 1	21. 2
1932	138, 736	4, 136, 473	2, 691, 507	712	25. 8	7. 55	25. 3	17. 1
Southern district:								
1916–1920	113, 132	2, 620, 391	1, 246, 908	581	26. 0	4. 44	19. 9	--------
1921–1925	118, 509	2, 857, 938	1, 614, 396	632	29. 3	6. 15	26. 1	30. 0
1926–1930	122, 815	3, 314, 113	2, 127, 953	738	30. 5	6. 65	25. 3	36. 0
1929	121, 007	3, 360, 201	2, 144, 137	752	30. 3	6. 79	25. 1	37. 7
1930	108, 787	2, 963, 986	2, 010, 480	739	30. 5	6. 57	24. 9	32. 6
1931	94, 529	2, 519, 692	1, 727, 286	696	29. 7	6. 20	24. 3	27. 4
1932	81, 038	2, 004, 108	1, 356, 895	672	29. 8	5. 85	23. 6	21. 8
Western district:								
1916–1920	246, 903	6, 023, 340	2, 530, 519	510	22. 2	5. 00	21. 7	--------
1921–1925	228, 277	5, 946, 330	3, 100, 884	531	24. 3	6. 70	26. 9	28. 2
1926–1930	234, 381	6, 992, 814	4, 014, 202	606	24. 0	7. 08	24. 8	33. 4
1929	245, 775	7, 380, 221	4, 268, 216	616	24. 1	7. 15	24. 9	35. 2
1930	215, 898	6, 447, 855	3, 947, 196	602	23. 8	6. 92	24. 4	31. 9
1931	182, 118	5, 296, 247	3, 349, 200	558	22. 9	6. 34	23. 3	27. 2
1932	170, 817	4, 255, 758	2, 689, 421	475	21. 8	5. 43	21. 8	22. 3

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

Source: Interstate Commerce Commission.

No. 396.—FREIGHT TRAFFIC: TONNAGE AND REVENUE

NOTE.—Figures before 1916 relate to years ended June 30; thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. For certain principal items for individual years, 1890 to 1900, see 1932 Statistical Abstract, Table 410, p. 381. Tons are of 2,000 pounds

Class and year or yearly average	Tons of revenue freight carried (thousands)		Tons carried 1 mile (millions)		Revenue ton-miles per mile of road	Average haul, revenue freight (miles)		Freight revenue	
	Originated	Total	Revenue freight	Revenue and nonrevenue		System	Individual road	Amount (1,000 dolls.)	Per ton-mile (cents)
All roads:									
1891–1895	----------	692,446	85,693	--------	506,809	--------	123.75	758,930	0.886
1896–1900	----------	874,389	113,962	--------	611,128	--------	130.33	879,837	.772
1901–1905	691,120	1,266,313	167,715	--------	820,016	242.67	132.44	1,298,713	.774
1906–1910	930,254	1,673,431	228,936	--------	1,006,849	246.10	136.81	1,744,525	.762
1911–1915	1,074,121	1,903,074	277,073	--------	1,104,718	257.95	145.59	2,051,625	.740
1916–1920	1,325,772	2,378,164	390,815	--------	1,510,297	294.78	164.33	3,419,260	.875
1921–1925	1,231,193	2,216,318	375,468	--------	1,455,688	304.96	169.41	4,377,618	1.166
1926–1930	1,364,607	2,481,018	430,310	--------	1,657,292	315.34	173.44	4,690,122	1.090
1901	583,692	1,089,226	147,077	--------	760,414	251.98	135.03	1,118,543	.750
1902	657,847	1,200,316	157,289	--------	793,351	239.10	131.04	1,207,229	.757
1903	714,768	1,304,394	173,221	--------	855,442	242.35	132.80	1,338,020	.763
1904	714,375	1,309,899	174,522	--------	829,476	244.30	133.23	1,379,003	.780
1905	784,920	1,427,732	186,463	--------	861,396	237.56	130.60	1,450,773	.766
1906	896,159	1,631,374	215,878	--------	982,401	240.89	132.33	1,640,387	.748
1907	977,489	1,796,337	236,601	--------	1,052,119	242.05	131.71	1,823,652	.759
1908	869,798	1,532,982	218,382	--------	974,654	253.94	143.83	1,655,419	.754
1909	881,334	1,556,560	218,803	--------	953,986	251.10	141.87	1,677,614	.763
1910	1,026,492	1,849,900	255,017	--------	1,071,086	259.68	138.31	1,925,553	.753
1911	1,003,054	1,781,638	253,784	--------	1,053,566	254.10	142.88	1,925,951	.757
1912	1,031,207	1,844,978	264,081	--------	1,078,580	256.87	143.44	1,968,599	.744
1913	1,182,548	[1] 2,058,035	301,730	--------	1,190,397	255.15	[2] 144.40	[1] 2,198,931	[1] .729
1914	1,129,992	2,002,026	288,637	--------	1,125,084	255.43	144.17	2,126,717	.737
1915	1,023,803	1,828,692	277,135	--------	1,075,962	270.69	151.55	2,037,926	.735
1916	1,317,246	2,347,396	366,173	--------	1,409,957	277.98	155.99	2,631,092	.719
1917	1,382,005	2,453,423	398,263	--------	1,538,211	288.18	162.33	2,897,436	.728
1918	1,376,845	2,477,092	408,778	--------	1,582,796	296.89	165.02	3,522,052	.862
1919	1,189,765	2,185,285	367,161	--------	1,423,390	308.60	168.60	3,624,886	.987
1920	1,362,999	2,427,622	413,699	--------	1,597,133	303.52	170.41	4,420,833	1.069
1921	1,017,818	1,808,836	309,533	--------	1,199,328	304.11	171.12	4,004,109	1.294
1922	1,111,822	1,974,618	342,188	--------	1,330,460	307.77	173.29	4,085,742	1.194
1923	1,387,755	2,503,117	416,256	--------	1,615,741	299.94	166.29	4,712,495	1.132
1924	1,287,413	2,331,291	391,945	--------	1,581,556	304.44	168.12	4,437,380	1.132
1925	1,351,155	2,463,725	417,418	--------	1,613,862	308.93	169.43	4,648,364	1.114
1926	1,439,612	2,627,492	447,444	--------	1,732,295	310.81	170.29	4,905,981	1.096
1927	1,372,547	2,510,054	432,014	--------	1,668,800	314.75	172.11	4,728,885	1.095
1928	1,371,359	2,504,196	436,087	--------	1,677,089	318.00	174.14	4,771,562	1.094
1929	1,419,383	2,584,333	450,189	--------	1,727,786	317.17	174.20	4,899,168	1.088
1930	1,220,134	2,179,015	385,815	--------	1,481,199	316.21	177.06	4,145,015	1.074
1931	944,846	1,694,075	311,073	--------	1,196,960	329.23	183.62	3,302,324	1.062
Class I roads:									
1921–1925	1,135,499	2,068,262	372,216	409,740	1,581,865	327.80	179.97	4,277,134	1.149
1926–1930	1,279,197	2,341,062	427,234	468,347	1,782,344	333.99	182.50	4,600,341	1.077
1930	1,153,197	2,063,078	383,450	420,016	1,583,465	332.51	185.86	4,075,698	1.063
1931	894,186	1,605,034	309,225	338,218	1,276,861	345.82	192.66	3,248,754	1.051
1932	646,223	1,168,289	234,320	259,004	977,017	362.60	202.17	2,448,924	1.045
Eastern district:									
1921–1925	510,141	1,112,147	166,644	178,569	2,827,013	326.66	149.84	1,906,544	1.144
1926–1930	547,987	1,227,180	182,768	196,477	3,070,369	333.53	148.93	1,993,945	1.091
1930	495,974	1,055,454	160,533	172,772	2,669,853	323.67	152.10	1,733,361	1.080
1931	386,210	815,595	128,656	138,585	2,153,994	333.12	157.74	1,368,022	1.063
1932	286,549	604,930	98,744	106,545	1,675,270	344.60	163.99	1,048,023	1.061
Southern district:									
1921–1925	234,018	353,728	77,047	84,282	1,756,460	329.24	217.81	749,632	.973
1926–1930	294,051	430,198	93,552	101,847	2,059,316	318.15	217.46	842,994	.901
1930	261,144	383,374	83,787	91,097	1,822,442	320.85	218.55	744,075	.888
1931	211,007	308,709	69,525	75,706	1,507,609	329.49	225.21	619,351	.891
1932	160,646	231,583	54,477	59,679	1,188,811	339.11	235.72	473,958	.870
Western district:									
1921–1925	391,340	602,387	128,525	146,889	970,062	328.42	213.36	1,620,958	1.261
1926–1930	437,159	683,684	150,914	170,023	1,119,969	345.22	220.74	1,763,402	1.168
1930	396,079	624,250	139,130	156,147	1,022,596	351.27	222.88	1,598,262	1.149
1931	296,969	480,730	111,044	123,927	814,519	373.92	230.99	1,261,380	1.136
1932	199,028	331,776	81,099	92,780	600,444	407.48	248.95	926,943	1.143

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

Source: Interstate Commerce Commission.

No. 397.—REVENUE AND TRAFFIC BY MONTHS: Class I Carriers

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

Year	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL OPERATING REVENUES (millions of dollars)													
1911	231.2	211.6	196.0	223.5	214.9	226.2	228.4	228.9	249.9	253.6	261.9	244.2	234.9
1912	249.8	209.2	216.1	235.8	219.2	232.3	242.9	253.0	275.8	274.4	298.2	275.9	264.4
1913	460.9	247.0	229.9	245.9	242.3	262.1	258.9	266.3	279.6	283.4	296.3	266.6	252.4
1914	244.0	231.3	207.1	247.5	235.4	237.7	249.3	256.0	267.1	269.6	266.6	233.8	226.3
1915	256.6	214.1	205.1	231.5	231.0	237.9	249.5	259.2	273.1	287.2	303.7	299.1	288.1
1916	302.1	260.9	262.8	290.2	282.0	301.0	300.0	303.2	327.2	325.3	338.7	322.7	311.1
1917	337.4	300.8	265.4	317.1	319.3	345.9	349.7	348.4	366.2	358.8	382.5	357.3	337.1
1918	410.5	285.4	290.0	366.4	371.6	379.0	395.2	470.4	504.7	489.7	490.8	440.9	441.5
1919	432.0	397.2	352.4	377.4	389.5	413.9	426.1	455.3	471.7	498.6	509.8	438.1	453.4
1920	519.0	500.8	424.6	460.2	402.3	457.6	494.7	529.1	555.5	618.9	641.8	592.1	550.6
1921	464.2	470.4	406.5	459.0	433.4	444.9	461.6	462.9	505.7	498.3	536.7	465.9	425.3
1922	468.3	395.8	401.6	475.2	417.1	449.4	474.0	443.8	474.1	500.9	550.3	523.6	513.6
1923	523.9	502.5	446.9	535.8	523.3	548.1	541.3	536.3	564.5	546.1	587.9	532.0	494.6
1924	499.0	469.0	479.5	505.4	475.2	477.5	465.7	481.8	508.5	541.0	572.9	505.9	505.2
1925	515.6	485.0	455.2	486.7	473.7	489.0	507.0	522.5	555.5	565.6	591.5	533.0	524.1
1926	538.8	481.4	460.8	531.5	500.5	518.0	541.4	557.9	580.3	591.2	610.4	562.3	527.7
1927	517.6	487.6	469.6	531.6	498.9	519.6	517.5	509.7	557.8	565.5	581.0	504.3	467.7
1928	515.7	458.2	456.8	506.1	475.1	511.5	503.2	513.7	558.8	556.9	618.8	532.1	496.8
1929	529.9	487.5	476.2	517.6	514.7	538.6	532.6	558.4	587.3	567.4	609.4	499.8	469.4
1930	445.3	451.5	428.1	453.0	451.2	463.3	445.0	457.1	466.4	467.5	483.5	398.8	378.0
1931	353.0	366.0	336.7	376.2	369.8	369.0	369.8	377.0	364.4	350.3	363.2	305.4	288.6
1932	263.5	275.4	267.3	290.0	267.8	254.7	246.2	237.8	252.1	272.5	298.5	253.6	246.1
FREIGHT REVENUE (millions of dollars)													
1915	178.9	147.2	143.3	163.4	161.9	165.3	168.8	170.3	181.0	198.7	220.6	219.3	206.4
1916	214.6	185.9	191.1	212.3	202.7	217.9	208.1	204.2	227.3	228.8	245.6	236.4	214.6
1917	236.1	211.7	185.1	227.3	227.9	251.9	247.3	241.6	250.3	242.2	271.4	254.7	221.7
1918	288.2	188.8	198.6	259.9	264.5	263.3	263.8	328.4	350.9	342.1	365.4	322.6	309.7
1919	296.3	278.4	242.3	256.0	265.7	286.7	284.3	306.5	313.8	346.7	368.5	303.5	303.7
1920	360.6	311.6	299.2	324.6	268.8	314.1	340.3	356.1	369.6	438.9	480.4	436.9	386.6
1921	327.2	324.9	284.2	320.8	304.8	313.1	322.2	314.8	353.8	354.8	402.0	342.4	288.7
1922	334.1	277.1	294.6	354.3	288.9	319.6	331.9	299.6	326.5	355.9	406.4	389.9	364.2
1923	385.5	367.0	326.8	398.8	386.3	405.5	387.3	379.3	402.1	390.9	441.5	395.9	344.1
1924	362.4	333.4	352.7	371.7	342.9	344.8	323.4	340.1	358.5	399.2	439.0	381.0	362.2
1925	379.4	350.8	336.9	360.8	347.2	359.4	366.1	377.5	403.4	419.7	450.6	402.5	379.5
1926	401.7	347.8	340.8	402.0	370.6	385.5	397.8	409.5	429.6	445.0	472.4	433.5	384.9
1927	387.5	358.1	354.1	406.6	371.6	391.3	382.2	370.1	415.3	426.9	452.9	386.0	334.9
1928	391.4	338.0	346.3	388.4	356.6	391.7	370.8	382.2	421.8	424.1	493.1	415.9	368.1
1929	402.6	367.2	363.8	393.9	393.7	412.8	391.1	417.1	446.6	435.5	483.6	384.5	341.2
1930	340.2	338.2	327.2	345.4	345.8	354.4	331.6	347.3	354.7	363.4	385.7	311.0	280.9
1931	271.4	277.1	257.5	291.3	283.7	283.1	281.3	290.2	280.0	270.2	289.2	238.5	214.5
1932	204.3	208.5	205.4	225.0	208.0	194.3	185.9	179.9	195.0	214.6	244.1	203.1	188.2
PASSENGER REVENUE (millions of dollars)													
1926	87.0	89.6	78.6	80.8	80.7	82.8	92.5	97.9	99.0	92.7	82.2	77.4	89.7
1927	81.4	86.0	74.3	76.7	77.4	78.6	86.0	91.7	91.7	86.3	75.2	70.9	81.9
1928	75.2	78.6	69.5	70.6	71.1	70.4	81.8	82.8	85.2	80.2	69.7	65.3	76.7
1929	72.8	75.0	68.4	71.9	67.5	68.9	79.3	79.6	84.3	75.8	66.2	62.5	74.5
1930	60.8	70.5	61.3	61.8	59.6	60.4	67.2	65.8	67.4	59.1	52.4	48.7	55.4
1931	45.9	53.3	46.5	47.1	47.3	47.0	51.0	50.3	49.2	44.8	38.2	35.9	40.6
1932	31.4	38.0	33.9	34.4	31.0	31.3	32.6	32.7	31.4	30.5	26.2	24.9	30.2
FREIGHT TON-MILES (millions) [1]													
1919	32,814	30,356	25,630	28,813	28,593	32,276	31,881	34,916	36,416	38,678	40,361	32,497	33,353
1920	37,445	34,964	32,958	37,865	28,592	37,892	38,246	40,449	42,734	40,998	42,570	37,349	34,726
1921	34,478	29,784	24,915	26,816	25,591	28,220	28,146	28,402	30,420	30,864	36,672	29,222	35,723
1922	31,320	27,151	28,451	32,941	24,735	27,940	29,062	27,115	30,472	34,334	39,287	38,077	36,271
1923	38,133	37,707	32,628	39,222	38,321	39,598	38,001	38,518	40,344	39,461	42,210	38,158	33,427
1924	35,803	34,510	35,982	36,426	31,926	33,915	31,968	33,185	36,457	39,064	43,134	38,067	35,006
1925	38,007	37,026	33,570	35,332	33,571	37,126	35,854	37,944	41,709	41,305	44,054	40,775	37,856
1926	40,725	37,680	35,405	38,669	36,300	39,834	39,252	41,717	43,734	44,346	48,296	43,360	40,116
1927	39,559	39,233	37,259	41,817	37,111	40,118	38,477	38,369	41,984	42,959	45,537	37,250	34,592
1928	39,769	36,289	35,723	39,486	35,887	39,263	37,307	39,153	42,425	43,791	48,234	41,991	37,673
1929	41,026	39,210	38,140	40,228	38,346	41,846	40,740	42,009	44,950	44,222	47,836	38,741	36,046
1930	35,179	36,718	34,347	35,301	34,900	36,573	34,417	35,595	37,423	36,232	39,294	32,310	29,034
1931	28,346	30,308	27,097	29,961	28,711	30,016	28,254	30,276	29,361	27,842	30,579	25,084	22,662
1932	21,582	22,860	21,732	23,580	21,255	19,870	18,668	19,065	20,046	22,706	26,344	21,754	21,102

[1] Exclusive of switching and terminal companies.

Source: Interstate Commerce Commission.

No. 398.—PASSENGERS CARRIED AND PASSENGER REVENUE

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

Class and year or yearly average	Passengers carried (thousands)	Passengers carried 1 mile (millions)	Average journey per passenger (miles)	Passenger train-miles (thousands)	Passenger train car-miles (thousands)	Passenger revenue (thousand dollars)	Passenger service train revenue per train-mile	Revenue per passenger per mile (cts.)	Average passengers per train
All roads:									
1891-1895	546,762	13,383	24.48	321,031	----------	281,415	$1.05	2.10	42
1896-1900	520,459	13,863	26.64	345,457	----------	279,900	.99	2.02	39
1901-1905	681,261	20,737	30.44	423,244	----------	416,609	1.11	2.01	45
1906-1910	885,003	28,683	32.41	509,868	----------	566,815	1.26	1.98	53
1911-1915	1,018,804	33,768	33.14	587,501	3,264,399	672,792	1.32	1.99	54
1916-1920	1,152,566	42,548	36.92	560,364	3,416,933	1,021,536	[1] 2.13	2.40	[1] 72
1921-1925	982,320	36,869	37.53	571,455	3,603,117	1,112,634	[1] 2.47	3.02	[1] 65
1926-1930	801,503	31,846	39.73	569,310	3,818,089	908,341	[1] 2.15	2.85	[1] 56
1904	715,420	21,923	30.64	440,465	----------	444,327	1.14	2.01	46
1905	738,835	23,800	32.21	459,827	----------	472,695	1.16	1.96	48
1906	797,946	25,167	31.54	479,038	----------	510,033	1.20	2.00	49
1907	873,905	27,719	31.72	509,328	----------	564,606	1.26	2.01	51
1908	890,010	29,083	32.86	505,946	2,705,660	566,833	1.27	1.94	54
1909	891,472	29,109	32.85	506,011	2,746,511	563,609	1.27	1.93	54
1910	971,683	32,338	33.50	549,015	2,998,171	628,992	1.30	1.94	56
1911	997,410	33,202	33.48	572,929	3,136,774	657,638	1.31	1.97	55
1912	1,004,081	33,132	33.18	585,854	3,235,634	660,373	1.29	1.99	53
1913	1,043,603	34,673	33.31	[2] 593,061	[2] 3,320,488	[2] 695,988	[2] 1.36	[2] 2.01	[2] 55
1914	1,063,249	35,357	33.25	605,212	3,399,604	703,484	[2] 1.34	1.99	[2] 56
1915	985,676	32,475	32.95	580,448	3,229,496	646,475	[2] 1.31	1.99	[2] 53
1916	1,048,987	35,220	33.58	595,441	3,409,639	722,359	[2] 1.44	2.05	[2] 56
1917	1,109,943	40,100	36.13	593,338	3,485,788	840,910	[1] 1.69	2.10	[1] 65
1918	1,122,963	43,212	38.48	544,327	3,276,489	1,046,166	[1] 2.23	2.42	[1] 76
1919	1,211,022	46,838	38.68	553,147	3,446,787	1,193,431	[1] 2.46	2.55	[1] 82
1920	1,269,913	47,370	37.30	574,826	3,618,617	1,304,815	[1] 2.78	2.76	[1] 80
1921	1,061,131	37,706	35.53	568,242	3,503,514	1,166,252	[1] 2.51	3.09	[1] 67
1922	989,509	35,811	36.19	553,919	3,445,869	1,087,516	[1] 2.50	3.04	[1] 65
1923	1,008,538	38,294	37.97	573,938	3,616,342	1,158,925	[1] 2.56	3.03	[1] 67
1924	950,459	36,368	38.26	579,384	3,676,746	1,085,672	[1] 2.41	2.99	[1] 63
1925	901,963	36,167	40.10	581,792	3,773,114	1,064,806	[1] 2.37	2.94	[1] 63
1926	874,589	35,673	40.79	584,972	3,862,610	1,049,210	[1] 2.33	2.94	[1] 61
1927	840,030	33,798	40.23	578,355	3,850,116	980,528	[1] 2.23	2.90	[1] 59
1928	798,476	31,718	39.72	570,038	3,815,337	905,271	[1] 2.13	2.85	[1] 56
1929	786,432	31,165	39.63	568,095	3,870,903	875,929	[1] 2.18	2.81	[1] 55
1930	707,987	26,876	37.96	545,091	3,691,480	730,766	[1] 1.85	2.72	[1] 49
1931	599,227	21,933	36.60	485,538	3,274,812	551,726	[1] 1.61	2.52	[1] 45
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
1929	780,468	31,074	39.81	560,692	3,857,133	872,466	2.18	2.81	55
1930	703,598	26,815	38.11	538,709	3,680,136	728,488	1.85	2.72	49
1931	596,391	21,894	36.71	480,367	3,265,925	550,250	1.61	2.51	45
1932	478,738	16,975	35.46	422,078	2,799,240	376,585	-------	2.22	40
Eastern district:									
1921-1925	642,356	18,636	29.01	230,179	1,507,410	528,429	2.84	2.84	81
1926-1930	571,978	17,392	30.41	234,631	1,642,826	474,330	2.61	2.73	74
1929	567,555	17,273	30.43	237,146	1,685,532	467,229	2.65	2.71	34
1930	520,656	15,372	29.52	226,884	1,619,038	403,757	2.32	2.63	67
1931	448,834	12,912	28.77	206,783	1,470,923	316,875	2.03	2.45	62
1932	362,664	10,174	28.05	181,101	1,253,668	224,894	-------	2.21	56
Southern district:									
1921-1925	108,845	5,191	47.69	96,314	582,587	174,435	2.22	3.36	53
1926-1930	78,652	4,110	52.26	97,851	625,385	132,664	1.78	3.23	42
1929	75,985	3,762	49.51	95,171	612,382	118,804	1.75	3.16	39
1930	63,990	3,061	47.83	92,426	587,308	93,914	1.42	3.07	33
1931	48,702	2,292	47.07	80,984	515,450	66,331	1.20	2.89	28
1932	36,929	1,830	49.56	71,916	450,317	42,840	-------	2.34	25
Western district:									
1921-1925	210,952	12,729	60.34	232,075	1,482,295	397,738	2.21	3.12	54
1926-1930	142,705	10,222	71.63	228,151	1,532,458	296,764	1.83	2.90	44
1929	136,928	10,039	73.32	228,375	1,559,219	286,433	1.87	2.85	44
1930	118,952	8,382	70.47	219,399	1,473,790	230,817	1.55	2.75	38
1931	98,855	6,690	67.67	192,600	1,279,550	167,044	1.32	2.50	34
1932	79,145	4,971	62.80	169,061	1,095,255	108,851	-------	2.19	29

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

Source: Interstate Commerce Commission.

No. 399.—REVENUES, EXPENSES, AND INCOME OF OPERATING COMPANIES

NOTE.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in Table 400. Switching and terminal companies are excluded beginning with 1908; operating revenues of switching and terminal companies, 1930, $92,396,000; 1931, $71,117,000; operating expenses, 1930, $71,005,000; 1931, $56,017,000. For certain principal items for individual years 1890 to 1900, see 1932 Statistical Abstract, Table 411, p. 381

Class and year or yearly average	Average miles of line (first track) operated	Income account items (thousands of dollars)					Per mile of line		Per cent operating expenses of revenues
		Operating revenues	Operating expenses	Net revenue from operations	Tax accruals	Net railway operating income	Operating revenues	Net revenue from operations	
All roads:									
1891–1895	169,378	1,127,531	759,588	367,942	34,915	333,027	$6,657	$2,172	67.37
1896–1900	186,001	1,264,048	832,377	431,671	41,970	389,701	6,796	2,321	65.85
1901–1905	206,050	1,854,682	1,226,737	627,945	53,106	574,840	9,001	3,048	66.14
1906–1910	229,404	2,528,171	1,705,542	822,630	80,931	727,407	11,021	3,586	67.46
1911–1915	246,952	3,007,262	2,123,282	883,980	123,345	729,172	12,164	3,578	70.61
1916–1920	*258,295*	*4,870,468*	*3,971,453*	*899,015*	*227,680*	*624,304*	*18,856*	*3,481*	*81.54*
1921–1925	257,932	6,003,699	4,684,135	1,319,563	328,822	899,332	23,276	5,116	78.02
1926–1930	259,646	6,139,269	4,502,029	1,637,240	386,732	1,125,224	23,645	6,306	73.33
1901	195,562	1,588,526	1,030,397	558,129	46,708	511,421	8,123	2,854	64.86
1902	200,155	1,726,380	1,116,249	610,131	50,054	560,077	8,625	3,048	64.66
1903	205,314	1,900,847	1,257,539	643,308	53,252	590,056	9,258	3,133	66.16
1904	212,243	1,975,174	1,338,896	636,278	56,802	579,476	9,306	2,998	67.79
1905	216,974	2,082,482	1,390,602	691,880	58,712	633,168	9,598	3,189	66.78
1906	222,340	2,325,765	1,536,877	788,888	69,064	719,824	10,460	3,548	66.08
1907	227,455	2,589,106	1,748,516	840,590	73,743	766,846	11,383	3,696	67.53
1908	227,257	2,440,639	1,710,402	730,237	78,674	634,794	10,740	3,213	70.08
1909	232,981	2,473,205	1,650,034	823,171	85,140	710,474	10,615	3,533	66.72
1910	236,987	2,812,142	1,881,879	930,263	98,035	805,097	11,866	3,925	66.92
1911	243,434	2,852,855	1,976,332	876,523	102,657	744,669	11,719	3,601	69.28
1912	246,829	2,906,416	2,035,058	871,358	113,819	727,458	11,775	3,530	70.02
1913	[1] 242,657	[1] 3,193,118	[1] 2,235,923	[1] 957,195	[1] 122,005	[1] 805,266	[1] 13,159	[1] 3,945	[1] 70.02
1914	254,775	3,127,730	2,280,416	*847,314*	*140,470*	*674,190*	*12,276*	*3,326*	*72.91*
1915	256,214	2,956,193	2,088,683	867,510	137,775	694,276	11,538	3,386	70.65
1916	257,325	3,691,065	2,426,251	1,264,815	161,825	1,058,506	14,344	4,915	65.73
1917	258,913	4,115,413	2,906,283	1,209,130	218,632	950,557	15,895	4,670	70.62
1918	258,263	4,985,290	4,071,522	913,768	229,533	646,223	19,303	3,538	81.67
1919	257,949	5,250,[illegible]	4,498,817	751,603	230,136	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
Class I roads:									
1916–1920	232,974	4,763,039	3,879,220	883,819	219,774	616,987	20,445	3,794	81.44
1921–1925	235,302	5,881,855	4,683,425	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
1930	242,159	5,281,197	3,930,929	1,350,268	348,554	868,879	21,809	5,576	74.43
1931	242,176	4,188,343	3,223,575	964,768	303,528	525,628	17,295	3,984	76.97
1932	241,573	3,126,754	2,403,448	723,306	275,190	326,307	12,943	2,994	76.87
Eastern district:									
1921–1925	58,947	2,668,020	2,125,217	542,803	128,138	364,374	45,261	9,208	79.66
1926–1930	59,526	2,718,136	2,026,514	691,622	156,454	473,330	45,663	11,619	74.56
1930	60,128	2,360,480	1,793,637	566,843	142,601	356,612	39,258	9,427	75.99
1931	59,729	1,868,461	1,466,842	401,619	125,331	205,992	31,282	6,724	78.51
1932	59,721	1,416,801	1,076,604	340,197	116,892	159,621	23,724	5,696	75.99
Southern district:									
1921–1925	43,865	992,307	762,100	230,207	54,088	170,826	22,622	5,248	76.80
1926–1930	*45,429*	*1,047,501*	*757,713*	*289,788*	*71,462*	*216,138*	*23,058*	*6,379*	*72.34*
1930	45,975	901,554	662,529	239,025	65,177	170,285	19,610	5,199	73.49
1931	46,116	739,244	564,660	174,584	56,931	109,941	16,030	3,786	76.38
1932	46,092	558,402	417,781	140,621	50,305	83,231	12,115	3,051	74.82
Western district:									
1921–1925	132,490	2,221,528	1,696,108	525,421	139,310	348,399	16,767	3,966	76.35
1926–1930	134,748	2,272,702	1,637,472	635,230	152,025	425,435	16,866	4,714	72.05
1930	136,056	2,019,163	1,474,763	544,400	140,776	341,982	14,841	4,001	73.04
1931	136,331	1,580,638	1,192,073	388,565	121,266	209,695	11,594	2,850	75.42
1932	135,760	1,151,551	909,063	242,488	107,993	83,455	8,482	1,786	78.94

[1] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 400.—INCOME ACCOUNT OF CLASS I CARRIERS: OPERATING ROADS

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

Item	1916–1920 (average)	1921–1925 (average)	1926–1930 (average)	1929	1930	1931	1932[1]
Revenues	4,763,039	5,881,856	6,038,339	6,279,521	5,261,197	4,188,343	3,126,754
Freight	3,336,480	4,277,134	4,600,341	4,815,448	4,075,698	3,248,753	2,450,824
Passenger	1,005,690	1,100,603	903,748	872,466	728,488	550,250	377,094
Mail	76,508	94,900	111,887	151,485	111,450	105,423	97,162
Express	118,933	137,886	139,570	148,191	114,664	82,775	53,983
All other transportation	92,041	129,878	136,665	139,551	118,945	98,718	78,065
All other	133,387	141,455	146,128	152,380	131,952	102,424	69,626
Expenses	3,879,220	4,583,425	4,421,699	4,506,056	3,930,929	3,223,575	2,403,448
Maintenance, way, etc.	663,681	781,577	826,826	855,355	705,471	530,613	351,156
Maintenance, equipment	1,040,185	1,297,802	1,178,252	1,202,912	1,019,265	816,954	618,958
Traffic	59,749	93,919	123,608	130,158	127,834	117,218	96,223
Transportation	1,947,814	2,194,358	2,054,865	2,072,043	1,841,728	1,538,469	1,157,792
All other	167,791	215,769	238,148	245,588	236,631	220,321	179,319
Net revenue from railway operations	883,819	1,298,431	1,616,640	1,773,465	1,350,268	964,768	723,306
Deduct—							
Tax accruals	219,774	321,536	379,941	396,683	348,554	303,528	275,190
Uncollectible revenues	868	1,895	1,427	1,163	1,049	891	1,027
Equipment rents	25,647	67,659	91,786	95,417	99,756	99,193	85,118
Joint facility rents	20,543	23,742	28,583	28,504	32,030	35,528	35,664
Net railway operating income	616,987	883,599	1,114,903	1,251,698	868,879	525,628	326,307

Item	Eastern district			Southern district			Western district		
	1930	1931	1932[1]	1930	1931	1932[1]	1930	1931	1932[1]
Revenues	2,360,480	1,868,461	1,416,801	901,554	739,244	558,402	2,019,183	1,580,638	1,151,551
Freight	1,733,361	1,368,022	1,046,141	744,075	619,351	473,958	1,598,262	1,261,380	930,725
Passenger	403,757	316,875	225,130	93,914	66,331	42,839	230,817	167,044	109,125
Mail	42,603	40,847	38,453	18,471	17,609	16,358	50,376	46,967	42,351
Express	51,430	37,083	23,523	16,889	13,070	9,031	46,345	32,622	21,429
All other transportation	64,760	54,798	44,741	11,325	8,961	6,367	42,860	34,959	26,957
All other	64,569	50,836	38,813	16,880	13,922	9,849	50,503	37,666	20,964
Expenses	1,793,637	1,468,842	1,076,604	662,529	564,660	417,781	1,474,763	1,192,073	909,063
Maintenance, way, etc.	299,179	222,225	139,756	123,419	103,173	68,933	282,873	205,215	142,467
Maintenance, equipment	474,843	375,614	280,874	180,518	149,769	112,785	363,904	291,571	225,299
Traffic	48,999	45,625	36,635	23,597	21,705	17,749	55,238	49,888	41,839
Transportation	864,364	725,410	539,710	297,645	254,306	188,734	679,719	558,753	429,348
All other	106,252	97,968	79,629	37,350	35,707	29,580	93,029	86,646	70,110
Net revenue from railway operations	566,843	401,619	340,197	239,025	174,584	140,621	544,400	388,565	242,488
Deduct—									
Tax accruals	142,601	125,331	116,892	65,177	56,931	50,305	140,776	121,266	107,993
Uncollectible revenues	443	335	438	181	182	181	425	374	408
Equipment rents	50,521	50,613	43,433	452	4,185	3,224	48,783	44,395	38,461
Joint facility rents	16,666	19,348	19,813	2,930	3,345	3,680	12,434	12,835	12,171
Net railway operating income	356,612	205,992	159,621	170,285	109,941	83,231	341,982	209,695	83,455

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

Source: Interstate Commerce Commission.

No. 401.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE.—Data for 1910 relate to year ended June 30, thereafter to calendar years, and for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1910 include also Class II and Class III and for 1916, Class II. Total railroad taxes, Federal and State, in 1931, by classes, were as follows: Class I and subsidiaries, $304,148,776 (including $660,675 Canadian and credit of $15,681 Mexican); Class II and subsidiaries, $4,300,798; Class III and subsidiaries, $666,114; switching and terminal companies, $13,513,518, grand total, $322,629,206.

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1910	1916	1920	1925	1930	1931	1910	1920	1930	1931
Total	103,738	162,475	282,751	359,370	349,207	303,504	--------	1,262	1,519	1,320
United States Government taxes	4,315	12,531	50,543	87,680	40,986	10,404	--------	226	178	45
New England:										
Maine	675	1,026	1,725	1,977	1,908	1,821	301	831	963	919
New Hampshire	778	746	1,005	1,042	1,125	1,126	629	827	990	991
Vermont	257	491	451	453	407	481	251	608	540	643
Massachusetts	3,097	2,575	3,339	3,920	4,709	4,517	1,484	1,616	2,369	2,282
Rhode Island	276	397	585	604	687	715	1,302	2,996	3,933	4,016
Connecticut	1,868	1,114	1,975	2,058	1,672	1,396	1,867	1,977	1,737	1,443
Middle Atlantic:										
New York	7,312	11,724	17,861	22,613	27,378	27,854	877	2,271	3,491	3,550
New Jersey	5,066	7,656	11,189	17,355	20,442	20,965	2,290	5,292	9,951	10,256
Pennsylvania	6,352	9,957	9,342	11,134	12,440	12,001	587	945	1,235	1,188
South Atlantic:										
Delaware	161	153	165	182	166	165	482	493	567	565
Dist. of Columbia	56	64	79	126	144	155	1,562	2,291	4,178	4,481
Maryland	1,016	1,211	2,004	1,352	2,076	1,948	742	1,591	1,829	1,722
Virginia	1,756	3,012	4,695	5,614	7,318	6,838	400	1,129	1,759	1,633
West Virginia	1,454	2,355	3,879	6,046	8,109	8,302	463	1,195	2,193	2,280
North Carolina	952	1,706	2,129	4,748	5,392	5,019	220	552	1,399	1,308
South Carolina	764	1,091	1,951	2,840	3,489	3,078	232	623	1,106	976
Georgia	1,386	1,957	2,481	3,310	3,966	3,694	206	455	719	669
Florida	839	1,572	2,167	3,888	4,964	4,372	208	542	965	852
East North Central:										
Ohio	5,457	10,618	16,841	18,518	19,928	18,619	611	2,048	2,334	2,190
Indiana	3,845	5,803	9,422	11,627	13,852	12,470	521	1,328	2,011	1,814
Illinois	5,938	9,049	16,422	21,576	22,084	21,178	501	1,421	1,827	1,756
Michigan	4,052	4,220	7,579	7,656	10,816	9,727	469	1,083	1,469	1,329
Wisconsin	3,162	4,968	6,876	7,295	7,201	6,877	440	995	1,034	994
West North Central:										
Minnesota	3,958	6,445	9,753	7,965	6,778	4,850	461	1,151	823	589
Iowa	2,463	3,871	7,855	6,842	8,026	7,025	253	808	831	728
Missouri	1,830	2,258	3,359	3,716	4,284	3,776	230	457	566	494
North Dakota	1,427	2,289	4,997	4,290	4,110	4,169	341	969	799	809
South Dakota	834	1,635	3,718	3,161	2,696	2,554	211	900	644	613
Nebraska	2,031	2,704	4,159	4,747	4,622	4,349	335	677	749	705
Kansas	3,074	4,108	6,188	6,670	8,871	8,577	344	688	968	937
South Central:										
Kentucky	1,073	2,018	2,184	4,246	5,373	5,049	312	624	1,411	1,335
Tennessee	1,181	1,718	2,584	3,107	3,629	3,182	326	702	1,002	879
Alabama	1,410	1,751	2,548	2,687	3,681	3,610	297	560	797	782
Mississippi	997	1,916	3,612	5,064	5,047	3,469	250	942	1,322	912
West South Central:										
Louisiana	1,238	2,235	3,788	4,578	5,098	4,948	250	971	1,280	1,244
Texas	2,688	4,656	5,098	6,514	7,614	7,697	196	364	494	495
Oklahoma	2,967	3,653	5,463	5,682	6,468	6,515	499	864	994	996
Arkansas	1,347	2,248	3,912	2,663	3,025	3,087	277	948	690	705
Mountain:										
Montana	1,486	2,781	4,284	4,728	5,178	5,146	356	871	1,016	1,014
Wyoming	614	901	1,213	1,659	1,970	2,049	384	686	1,071	1,114
Colorado	1,637	2,451	3,344	3,719	4,271	4,136	306	729	972	943
New Mexico	745	1,179	2,467	2,212	2,785	2,729	254	915	993	957
Arizona	321	1,341	1,572	2,485	3,100	3,283	158	776	1,403	1,495
Utah	692	1,123	1,856	2,161	2,404	2,412	383	907	1,142	1,164
Nevada	668	1,028	1,543	1,762	1,970	2,198	388	942	1,163	1,280
Idaho	714	1,475	3,844	2,872	3,244	3,270	345	1,500	1,219	1,229
Pacific:										
Washington	3,151	4,064	8,795	6,647	7,430	6,596	685	1,698	1,480	1,309
Oregon	913	1,492	2,722	2,736	3,064	2,858	444	1,060	1,119	1,044
California	3,444	5,142	7,187	12,863	13,210	12,248	508	1,071	1,842	1,685

Source: Interstate Commerce Commission.

No. 402.—REVENUE FREIGHT CARRIED, BY CLASSES OF COMMODITIES: CLASS I CARRIERS

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

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1932 (thousands of tons of 2,000 pounds)		
	All districts								1932					
	1920	1925	1927	1928	1929	1930	1931	1932	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**	**1,281,611**	**1,285,943**	**1,339,091**	**1,153,197**	**894,186**	**646,223**	**286,549**	**160,645**	**199,029**	**604,930**	**231,583**	**331,776**
Grand total, carload traffic	**1,202,219**	**1,206,655**	**1,243,171**	**1,248,989**	**1,303,048**	**1,123,530**	**871,412**	**630,989**	**278,915**	**157,354**	**194,720**	**590,099**	**225,165**	**324,568**
Products of agriculture, total	**110,840**	**109,313**	**113,343**	**118,022**	**111,343**	**110,728**	**97,487**	**80,917**	**17,656**	**9,742**	**53,519**	**48,121**	**21,396**	**83,267**
Wheat	23,131	21,548	26,327	25,950	27,019	25,466	26,228	19,120	2,668	682	15,770	4,535	1,929	19,869
Corn	12,689	12,680	13,162	17,045	15,258	13,986	10,728	9,544	3,121	1,392	5,031	5,135	1,819	7,009
Oats	8,615	8,450	5,518	5,888	5,713	5,184	3,969	3,400	1,260	443	1,697	2,541	683	2,278
Other grain	5,669	4,564	5,212	5,506	4,477	4,045	2,924	2,229	201	53	1,975	455	175	2,542
Flour and meal	10,952	9,901	10,027	10,753	10,627	10,546	10,067	9,319	2,512	849	5,958	8,369	2,677	8,704
Cereal foods and other mill products	8,891	9,578	10,178	10,581	10,820	10,610	8,783	6,629	2,432	617	3,580	5,924	1,460	5,463
Hay, straw, and alfalfa	7,957	5,506	4,467	3,999	3,697	3,494	2,174	1,569	620	63	886	1,283	302	1,246
Leaf tobacco [1]	1,081	1,138	1,053	945	989	1,008	816	642	72	547	23	198	876	27
Cotton	3,379	4,127	4,180	3,773	3,940	3,032	2,432	2,777	46	843	1,888	555	1,776	3,123
Cottonseed and products, except oil	4,573	5,849	6,046	4,984	5,076	5,065	3,608	3,146	21	1,367	1,758	472	1,887	2,518
Citrus fruits	1,404	1,363	1,750	1,543	2,355	1,734	2,378	1,965	27	679	1,259	2,304	1,992	4,369
Other fresh fruits	5,271	5,910	5,648	6,401	5,690	5,919	5,175	4,068	831	777	2,460	4,185	1,865	6,639
Potatoes, except sweet [2]	4,118	4,614	3,727	4,511	4,425	4,332	4,114	3,418	1,451	252	1,715	5,000	948	3,888
Other fresh vegetables	2,205	2,828	3,083	3,124	3,222	3,262	2,927	2,575	526	502	1,547	3,172	1,502	5,338
Dried fruits and vegetables	1,165	1,533	1,527	1,878	1,609	1,674	1,426	1,258	387	71	800	1,028	263	1,662
Sugar beets	9,741	9,824	10,526	5,260	5,348	6,246	5,573	5,503	385	----------	5,118	2,493	1,242	2,962
Other products of agriculture				4,881	5,077	5,125	4,165	3,755	1,096	605	2,054	472	----------	5,630
Animals and products, total	**26,595**	**26,324**	**26,003**	**25,634**	**24,907**	**23,129**	**21,632**	**18,055**	**4,392**	**1,215**	**12,448**	**14,849**	**2,850**	**16,815**
Horses and mules	936	544	541	577	553	440	315	230	20	22	188	70	62	286
Cattle and calves	9,809	9,330	8,634	7,977	7,310	6,785	6,097	4,896	712	271	3,913	1,561	363	5,210
Sheep and goats	1,344	1,224	1,297	1,361	1,387	1,385	1,343	1,085	164	51	870	449	59	1,502
Hogs	5,421	5,502	5,369	5,871	5,534	4,902	4,501	3,884	777	207	2,900	1,841	299	3,476

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

[2] "Potatoes" prior to 1928.

No. 402.—Revenue Freight Carried, by Classes of Commodities: Class I Carriers—Continued

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1932 (thousands of tons of 2,000 pounds)		
	All districts								1932					
	1920	1925	1927	1928	1929	1930	1931	1932	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Animals and products—Continued														
Fresh meats	2,770	2,904	2,987	2,935	3,007	2,928	2,933	2,724	748	223	1,753	3,785	663	2,054
Other packing-house products	2,206	2,139	1,957	2,203	2,274	1,970	1,833	1,632	647	199	786	1,775	804	1,265
Poultry	264	357	407	406	417	419	416	382	65	40	277	711	60	397
Eggs	536	591	651	635	588	612	582	424	74	27	323	772	68	552
Butter and cheese	425	686	747	754	793	807	768	735	119	29	587	1,211	124	774
Wool	293	263	356	394	414	354	388	271	125	9	137	427	46	246
Hides and leather	1,051	1,026	1,010	915	913	847	782	655	353	59	243	1,026	130	359
Other animals and products	1,540	1,758	2,049	1,606	1,717	1,680	1,674	1,137	588	78	471	1,221	172	694
Products of mines, total	712,154	678,336	713,402	696,583	737,879	642,537	501,903	362,226	175,392	119,429	67,405	364,833	149,641	107,863
Anthracite	78,100	58,260	72,176	69,997	71,931	71,252	65,673	55,681	55,362	114	205	85,147	183	471
Bituminous coal	389,349	346,346	361,551	346,057	368,339	322,150	263,991	218,197	87,614	102,174	28,409	226,289	126,004	54,707
Coke	26,895	19,798	16,164	16,241	19,127	14,536	9,872	7,346	4,990	930	1,426	7,760	1,359	2,190
Iron ore	84,433	72,134	66,355	68,684	82,123	59,980	31,073	5,440	806	418	4,216	4,659	530	4,237
Copper ore and concentrates	21,550	12,289	11,335	5,916	7,057	4,525	3,903	1,658	2	1	1,655	29	42	2,284
Other ores and concentrates				5,922	7,714	6,957	4,664	2,599	1,248	174	1,177	2,532	424	2,167
Gravel, sand, and stone [3]	98,720	145,405	161,776	128,304	121,559	112,196	84,058	47,138	14,451	10,233	22,454	18,889	12,834	28,433
Crude petroleum	6,435	11,245	10,531	7,633	6,630	6,598	7,448	2,803	421	197	2,185	590	253	3,789
Asphaltum	1,424	2,531	3,170	2,899	3,196	2,925	2,746	2,583	1,751	374	458	2,795	699	1,142
Salt	3,250	3,403	3,251	3,341	3,183	2,952	2,834	2,576	1,225	24	1,327	2,979	905	2,722
Phosphate rock, crude	6,997	6,925	7,094	4,801	5,165	5,712	3,930	2,891	32	2,809	50	95	3,039	91
Sulphur				1,811	2,253	1,934	1,259	961	98	25	838	246	108	1,417
Other products of mines [3]				34,977	39,602	30,820	20,452	12,353	7,392	1,956	3,005	12,823	3,261	4,213
Products of forests, total	100,766	107,391	99,351	96,737	94,855	69,371	43,024	26,109	3,225	8,892	13,992	13,494	14,525	23,794
Logs, posts, poles, piling, and cordwood	38,571	45,428	41,676	39,541	39,611	28,451	14,792	7,781	417	1,667	5,697	1,120	2,014	7,197
Ties	5,472	4,292	5,338	4,240	4,024	3,522	1,527	958	197	315	446	470	413	609
Pulp wood	4,992	5,826	6,989	6,893	6,781	6,524	4,797	3,309	790	945	1,574	1,403	1,279	2,104
Lumber, shingles, lath, cooperage materials, veneer, etc	48,618	49,019	42,846	42,776	40,937	27,800	19,497	12,418	1,139	5,293	5,986	8,603	9,784	13,400
Other forest products	3,112	2,826	2,501	3,287	3,502	3,074	2,411	1,643	682	672	289	1,898	1,035	484

Manufactures and miscellaneous, total	251, 364	285, 291	291, 073	312, 013	330, 064	277, 765	207, 366	148, 682	78, 250	18, 076	47, 356	148, 802	36, 753	92, 829
Refined petroleum and its products	29, 616	46, 273	51, 661	58, 480	64, 240	62, 901	55, 615	46, 707	18, 219	5, 221	23, 267	31, 806	10, 390	45, 595
Vegetable oils	938	1, 446	1, 893	1, 561	1, 733	1, 602	1, 428	1, 333	282	419	632	952	836	1, 120
Sugar, sirup, glucose, and molasses	5, 664	5, 700	5, 582	5, 605	5, 858	5, 659	5, 142	4, 286	1, 258	603	2, 425	2, 442	1, 522	4, 471
Iron, pig [4]	16, 451	14, 577	11, 488	8, 033	8, 000	5, 140	3, 139	1, 424	939	368	117	1, 482	507	245
Scrap iron and steel	(5)	(5)	(5)	11, 746	13, 527	9, 991	6, 032	3, 444	2, 818	284	342	4, 177	445	442
Iron and steel (6th class, n. o. s.)	(5)	(5)	(5)	5, 130	5, 746	3, 630	2, 081	1, 298	1, 280	9	9	1, 656	40	35
Rails, fastenings, frogs, and switches [6]	3, 047	2, 646	2, 595	2, 551	2, 658	1, 778	1, 063	419	334	42	43	520	117	176
Iron and steel pipes and fittings [7]	27, 443	29, 144	31, 878	6, 945	7, 670	6, 442	4, 101	1, 789	1, 149	269	371	2, 319	579	1, 405
Iron and steel (5th class, n. o. s.) [7]				33, 386	37, 427	26, 745	16, 877	9, 386	8, 365	389	632	13, 699	1, 000	2, 089
Iron and steel nails and wire	(5)	(5)	(5)	1, 667	1, 873	1, 372	1, 015	669	495	52	122	932	143	295
Copper: Ingot, matte, and pig	5, 170	5, 419	2, 898	999	1, 108	665	352	162	58	4	100	254	11	380
Lead and zinc: Ingot, pig, or bar				1, 218	1, 338	1, 124	908	592	259	10	323	697	83	815
Other metals, pig, bar, sheet, etc				431	525	379	306	118	50	4	64	173	22	104
Machinery and boilers [8]	9, 391	5, 359	5, 176	3, 772	3, 931	3, 072	1, 943	1, 072	757	75	240	1, 617	264	603
Cement	15, 400	24, 516	25, 889	26, 080	25, 008	23, 180	18, 392	11, 201	5, 123	1, 314	4, 764	10, 898	2, 575	7, 725
Brick and artificial stone	15, 251	19, 668	19, 556	19, 019	17, 216	12, 595	7, 723	3, 574	2, 048	695	831	3, 727	1, 118	1, 458
Lime and plaster	4, 410	6, 830	6, 092	5, 300	4, 803	3, 452	2, 600	1, 690	994	244	452	1, 862	578	984
Sewer pipe and drain tile	2, 165	2, 426	2, 712	2, 556	2, 708	1, 946	1, 197	624	362	95	167	756	173	288
Agricultural implements and vehicles other than automobiles [9]	3, 324	2, 281	3, 118	1, 903	2, 136	1, 657	766	304	106	35	163	230	90	310
Automobiles, autotrucks, parts, tires, etc	3, 427	6, 980	6, 324	8, 752	10, 423	6, 624	4, 286	2, 317	1, 964	78	275	3, 978	538	1, 260
Furniture	743	970	1, 004	1, 063	1, 102	733	564	353	125	125	103	503	283	253
Beverages	1, 240	841	804	813	774	893	654	351	118	20	213	276	44	294
Ice	5, 705	4, 928	4, 062	3, 922	3, 310	2, 578	2, 262	1, 464	621	89	754	739	96	782
Fertilizers	9, 204	8, 463	10, 465	12, 850	13, 276	12, 302	8, 524	5, 025	1, 843	2, 338	844	3, 314	3, 403	1, 498
Printing paper [10]	3, 144	3, 328	3, 322	3, 303	3, 480	3, 399	2, 983	2, 397	1, 728	159	510	5, 892	416	1, 642
Chemicals and explosives [11]	8, 348	9, 579	9, 116	2, 979	3, 213	2, 672	2, 152	1, 579	770	344	465	1, 283	635	654
Textiles	805	966	785	937	941	710	613	493	105	295	93	395	620	242
Canned food products	3, 074	4, 144	4, 204	4, 805	5, 029	4, 751	3, 954	3, 167	1, 420	215	1, 532	3, 786	593	2, 791
Furnace slag	77, 814	78, 807	80, 447	8, 784	9, 835	11, 000	4, 401	2, 105	1, 644	445	16	1, 949	670	28
Paper board, pulpboard and wall board (paper)				2, 317	2, 511	2, 241	2, 037	1, 581	898	424	259	2, 116	785	605
Building paper and prepared roofing materials				2, 035	2, 325	1, 687	1, 234	1, 102	719	104	279	1, 374	394	548
Other manufactures and miscellaneous				63, 062	66, 338	54, 885	43, 022	31, 656	21, 399	3, 308	6, 949	42, 998	7, 783	13, 692
Merchandise—all l. c. l. freight	53, 202	40, 587	38, 440	36, 954	36, 043	29, 667	22, 774	15, 234	7, 634	3, 291	4, 309	14, 831	6, 418	7, 208

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

Source: Interstate Commerce Commission.

No. 403.—REVENUE FREIGHT CARRIED, BY COMMODITY GROUPS

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

Class of road and year or yearly average	Total	Products of agriculture	Animals and products	Products of mines		Products of forests	Manufactures and miscellaneous	
				Coal and coke	Other		Carload shipments	Less than carload
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1901–1905	[1] 691,121	59,406	16,608	237,753	85,803	72,786	119,707	27,800
1906–1910	[1] 930,255	73,864	20,000	324,282	147,864	98,879	162,225	33,991
1911–1915 [2]	[1] 1,053,648	99,095	25,731	392,808	192,058	101,143	181,191	41,314
Class I:								
1916	[1] 1,203,367	113,635	30,473	429,781	250,342	93,819	231,038	52,911
1917	1,264,016	104,629	31,858	481,632	251,021	100,838	240,269	53,769
1918	1,263,344	116,051	35,777	500,769	234,027	97,256	226,077	53,387
1919	1,096,111	115,033	35,494	399,072	190,879	94,076	210,256	51,302
1920	1,255,421	110,840	26,595	489,344	222,810	100,766	251,864	53,202
1921	940,183	114,069	24,263	376,220	135,050	76,419	172,169	41,992
1922	1,023,745	111,787	26,230	351,846	181,152	89,059	220,442	43,229
1923	1,279,030	109,318	28,254	471,854	241,881	115,618	267,767	44,338
1924	1,187,296	116,587	27,747	414,499	223,083	108,094	256,737	40,549
1925	1,247,242	109,313	26,324	424,403	253,933	107,391	285,291	40,587
1926	1,336,142	111,787	26,243	486,944	270,759	104,851	296,067	39,491
1927	1,281,611	113,342	26,003	449,891	263,511	99,351	291,073	38,440
1928	1,285,943	118,022	25,634	432,296	264,287	96,737	312,013	36,954
1929	1,339,091	115,343	24,907	459,397	278,482	94,855	330,064	36,043
1930	1,153,197	110,729	23,129	407,937	234,600	69,370	277,765	29,667
1931	894,186	97,487	21,632	339,536	162,367	43,025	207,366	22,773
1932	646,223	80,917	18,055	281,224	81,002	26,109	143,682	15,234
Eastern district:								
1930	495,974	21,540	5,516	215,128	68,039	8,289	162,740	14,722
1931	386,210	19,298	5,310	181,337	47,069	5,360	116,343	11,493
1932	286,549	17,656	4,392	147,966	27,426	3,225	78,250	7,634
Southern district:								
1930	261,144	14,357	1,689	148,226	36,445	21,160	33,417	5,850
1931	211,007	12,048	1,474	123,357	29,147	13,854	26,449	4,678
1932	160,646	9,742	1,215	103,218	16,211	8,893	18,076	3,291
Western district:								
1930	396,079	74,832	15,924	44,583	130,116	39,921	81,608	9,095
1931	296,969	66,141	114,848	34,842	86,151	23,811	64,574	6,602
1932	199,028	53,519	12,448	30,040	37,365	13,991	47,356	4,309
II. TOTAL REVENUE FREIGHT [3]								
All roads:								
1901–1905	[1] 1,266,314	125,234	34,596	419,764	150,474	122,927	231,259	51,468
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
1927	2,363,639	221,384	46,696	871,713	400,591	192,774	564,643	65,838
1928	2,361,623	225,550	45,724	838,085	396,400	187,347	605,256	63,261
1929	2,451,601	223,264	44,729	878,014	418,797	182,177	642,191	62,430
1930	2,063,078	210,971	41,097	749,218	349,424	130,684	530,368	51,316
1931	1,605,034	187,792	39,549	613,408	237,934	83,998	401,628	40,725
1932	1,168,289	152,784	34,514	504,111	118,226	51,813	278,384	28,457
Eastern district:								
1930	1,055,454	63,146	16,297	482,846	135,754	32,100	298,885	26,426
1931	815,595	56,690	16,282	395,043	85,611	21,772	218,816	21,381
1932	604,930	48,121	14,849	319,196	45,637	13,494	148,802	14,831
Southern district:								
1930	383,374	32,717	3,640	181,707	50,895	35,257	68,530	10,628
1931	308,709	27,738	3,342	152,513	39,789	22,826	53,808	8,693
1932	231,583	21,396	2,850	127,547	22,094	14,525	36,753	6,418
Western district:								
1930	624,250	115,108	21,160	84,665	162,775	63,327	162,953	14,262
1931	480,730	103,364	19,925	65,852	112,534	30,400	129,004	10,651
1932	331,776	83,267	16,815	57,368	50,495	23,794	92,829	7,208

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

No. 404.—CAR LOADINGS: Average Weekly Loadings of Revenue Freight, Class I Railways, by Principal Commodity Groups

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

Month	1928	1929	1930	1931	1932	1928	1929	1930	1931	1932
	Total, all commodities					Grain and grain products				
Year	992,113	1,015,922	882,269	714,447	542,208	48,326	46,081	43,565	38,931	31,790
January	862,224	892,864	849,310	718,303	567,469	46,920	45,524	40,282	40,682	31,018
February	897,086	941,534	876,725	708,530	561,331	46,874	47,165	43,889	41,162	34,250
March	950,512	963,187	878,933	734,232	570,168	47,499	42,642	38,982	38,333	28,885
April	935,077	997,286	904,740	751,573	554,578	39,784	35,978	39,126	37,519	30,808
May	1,001,289	1,036,480	918,690	739,696	521,939	40,776	37,973	37,646	35,834	29,219
June	984,823	1,072,970	929,746	747,988	491,589	34,482	44,610	41,519	35,007	25,344
July	986,010	1,040,020	888,902	738,472	484,427	51,587	61,710	58,326	54,647	36,909
August	1,069,681	1,120,141	934,366	747,627	516,270	57,714	63,222	60,788	44,348	38,542
September	1,117,635	1,135,572	931,422	727,068	561,150	59,618	49,866	47,293	37,247	37,061
October	1,175,970	1,169,853	950,270	762,632	631,621	54,830	46,437	41,597	38,515	34,707
November	1,028,842	978,031	797,836	654,827	548,802	52,640	38,415	36,487	36,202	27,814
December	879,259	834,584	695,396	554,957	497,366	47,175	39,444	35,587	27,145	26,484
	Livestock					Coal				
Year	29,248	27,292	24,714	22,347	18,252	168,625	174,909	152,443	124,869	102,679
January	31,912	29,486	27,229	25,613	22,074	177,538	202,422	196,455	157,380	115,176
February	32,514	26,420	25,183	22,011	19,034	170,025	211,006	166,026	137,136	114,955
March	28,670	24,221	23,056	19,827	16,532	163,002	156,504	137,296	130,954	121,252
April	26,344	26,720	24,102	21,779	18,678	145,132	146,057	132,818	116,075	92,292
May	26,667	25,672	23,444	20,407	17,134	157,574	154,706	138,261	113,882	74,625
June	25,204	23,577	21,598	18,621	14,889	145,026	155,056	135,256	110,620	66,694
July	22,752	23,008	20,074	18,098	14,411	142,903	146,522	130,606	110,307	72,264
August	25,356	24,271	21,108	21,731	16,372	165,525	168,475	145,740	118,660	84,599
September	34,231	30,921	26,959	24,091	20,340	181,082	187,934	151,277	124,251	103,577
October	38,668	37,284	32,277	29,014	23,378	206,574	203,957	174,528	145,437	135,154
November	31,849	31,383	26,860	25,902	19,052	193,737	185,597	158,748	121,376	122,838
December	28,292	25,448	23,389	20,958	16,608	177,181	189,261	151,001	115,413	125,181
	Coke					Ore				
Year	10,264	12,201	9,382	6,245	4,303	36,726	43,876	31,955	16,821	4,053
January	10,659	12,071	11,346	8,998	5,656	8,199	8,910	8,268	5,206	2,949
February	11,537	13,392	11,399	8,744	6,234	8,098	9,244	8,641	5,567	2,699
March	10,875	12,834	9,982	7,889	6,090	8,564	11,423	9,103	5,830	2,647
April	10,118	12,066	10,020	7,007	3,830	10,263	27,670	12,701	7,993	3,423
May	10,152	12,508	9,674	6,486	3,134	41,299	71,454	50,951	17,320	2,582
June	9,664	12,306	9,463	5,488	2,879	65,597	76,481	62,528	29,789	3,541
July	8,812	11,874	8,438	4,813	2,569	62,538	76,359	61,250	34,859	6,103
August	9,349	11,971	8,312	4,555	2,713	64,340	75,762	56,956	35,000	7,110
September	10,138	11,904	8,203	4,783	3,435	62,742	68,650	48,780	30,270	6,067
October	10,726	12,172	8,876	5,562	4,833	60,246	60,041	37,824	20,372	6,425
November	10,631	11,610	8,047	5,318	4,754	32,565	29,216	14,295	6,273	2,949
December	10,641	11,668	8,549	5,758	5,607	10,223	8,219	5,620	3,505	1,765
	Forest products					Miscellaneous and L. C. L.				
Year	63,986	62,469	45,564	28,296	17,299	634,938	649,094	574,646	476,938	363,832
January	58,280	54,240	46,173	33,115	18,362	528,717	540,211	519,557	447,308	372,234
February	67,779	60,224	57,704	34,586	19,282	560,857	574,084	563,884	459,322	364,878
March	68,729	67,013	58,076	34,390	20,017	623,173	648,551	602,438	497,010	374,745
April	64,331	69,596	57,436	32,836	19,705	639,104	679,199	628,528	528,363	385,841
May	67,392	68,636	52,941	32,912	18,713	657,428	665,531	605,772	512,854	376,532
June	65,825	70,306	49,657	31,203	16,838	639,024	690,634	609,725	517,260	361,404
July	59,669	61,312	39,956	26,641	14,553	637,501	659,234	570,154	489,107	337,617
August	66,412	68,761	41,421	27,588	15,469	680,985	707,679	600,041	495,746	350,965
September	63,632	62,963	40,391	26,053	17,140	706,193	723,335	608,519	480,373	373,530
October	66,172	63,622	39,367	24,482	18,907	798,754	746,340	616,007	499,251	408,217
November	63,525	55,075	33,970	21,822	16,073	643,895	626,736	519,428	437,936	355,322
December	53,948	45,485	30,263	16,986	13,228	551,798	514,558	440,988	365,190	308,494

Source: American Railway Association.

No. 405.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to Table 406

Cause of accident	Killed					Injured				
	1921-1925, average	1926-1930, average	1930	1931	1932	1921-1925, average	1926-1930, average	1930	1931	1932
All accidents	6,618	6,480	5,481	5,099	4,747	141,688	89,404	49,430	35,656	29,219
Train accidents	394	308	296	229	183	4,409	2,985	1,782	1,208	997
Passengers	72	30	7	4	1	2,423	1,455	790	493	410
Employees	237	164	131	95	63	1,597	1,132	641	434	335
Other persons	85	114	158	130	119	389	398	351	281	252
Causes:										
Collisions	139	89	56	39	34	2,071	1,391	677	485	358
Passengers	37	11	1	1	1	1,172	710	338	244	192
Employees	89	70	50	33	30	764	526	271	188	125
Other persons	14	8	5	5	3	135	155	68	53	41
Derailments	197	139	146	108	77	2,109	1,379	894	583	526
Passengers	34	18	6	3	------	1,212	718	429	232	203
Employees	111	66	52	43	26	690	487	271	190	171
Other persons	52	55	88	62	51	208	173	194	161	152
Other causes	58	81	94	82	72	228	215	211	140	113
Passengers	2	1	------	------	------	39	27	23	17	15
Employees	36	28	29	19	7	143	119	99	56	39
Other persons	20	52	65	63	65	46	69	89	67	59
Train-service accidents	5,794	5,796	4,875	4,624	4,341	44,420	35,395	23,780	18,849	16,160
Passengers	100	63	43	36	22	3,155	2,208	1,875	1,609	1,501
Employees	1,088	940	610	419	383	31,563	23,275	13,074	9,142	6,948
Other persons	4,605	4,793	4,222	4,169	3,936	9,701	9,912	8,831	8,098	7,711
Causes:										
Coupling or uncoupling locomotives or cars	80	48	30	12	20	1,624	1,124	604	394	307
Coupling or uncoupling air hose	22	19	7	13	9	435	353	232	175	123
Operating locomotives	20	16	17	7	6	6,259	3,731	1,929	1,406	1,042
Operating hand brakes	30	30	26	18	12	2,090	1,875	1,154	824	593
Operating switches	2	1	2	------	2	965	747	378	245	210
Contact with fixed structures	69	57	57	60	71	836	534	358	335	284
Getting on or off cars or locomotives	484	419	441	447	520	9,125	7,084	5,010	4,096	3,946
Highway grade-crossing accidents [1]	1,997	2,315	1,908	1,720	1,445	5,826	6,400	5,377	4,533	3,911
Struck or run over, not at public crossings	[2] 2,415	2,267	1,828	1,730	1,590	[2] 2,079	1,721	1,276	1,022	911
Miscellaneous	1,157	625	559	617	666	15,595	11,824	7,462	5,819	4,833
Nontrain accidents	430	376	310	246	223	92,860	51,024	23,868	15,599	12,062
Passengers	[2] 4	2	------	1	5	[2] 634	595	515	587	455
Employees	329	288	233	162	133	90,630	48,990	22,157	13,782	10,459
Other persons	97	85	77	83	85	1,724	1,440	1,196	1,230	1,148

[1] Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents.
[2] Average for 1922 to 1924. Separate data not available for 1921.

Source: Interstate Commerce Commission.

No. 406.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS

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

Yearly average or year ended—	Total		Passengers		Employees		Other persons		Trespassers[1]	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1891–1895	6,821	35,313	292	2,967	2,315	27,051	4,214	5,294	--------	--------
1896–1900	6,946	42,248	222	3,237	2,054	32,793	4,670	6,219	--------	--------
1901–1905	9,326	72,943	392	7,894	3,249	57,209	5,686	7,840	--------	--------
1906–1910	10,210	105,617	385	11,625	3,572	83,502	6,252	10,491	--------	--------
1908	10,188	104,230	381	11,556	3,405	82,487	6,402	10,187	--------	--------
1909	8,722	95,626	253	10,311	2,610	75,006	5,859	10,309	--------	--------
1910	9,682	119,507	324	12,451	3,382	95,671	5,976	11,385	--------	--------
1911	10,396	150,159	299	12,042	3,602	126,039	6,495	12,078	--------	--------
1912	10,585	169,538	283	14,938	3,635	142,442	6,667	12,158	--------	--------
1913	10,964	200,308	350	15,130	3,715	171,417	6,899	13,761	--------	--------
1914	10,302	192,662	232	13,887	3,259	165,212	6,811	13,563	--------	--------
1915	8,621	162,040	199	10,914	2,152	138,092	6,270	13,034	--------	--------
Dec. 31:										
1916	10,001	196,722	246	7,152	2,941	176,923	6,814	12,647	--------	--------
1917	10,087	194,805	301	7,582	3,199	174,247	6,587	12,976	--------	--------
1918	9,286	174,575	471	7,316	3,419	156,013	5,396	11,246	--------	--------
1919	6,978	149,053	273	7,456	2,138	131,018	4,567	10,579	--------	--------
1920	6,958	168,309	229	7,591	2,578	149,414	4,151	11,304	--------	--------
1921	5,996	120,685	205	5,584	1,446	104,530	4,345	10,571	--------	--------
1922	6,325	134,871	203	6,712	1,657	117,197	1,967	7,834	2,498	3,128
1923	7,385	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

[1] Trespassers included with "other persons" prior to 1922.

No. 407.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS

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

	All districts			1931		
	1929	1930	1931	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite ... 1,000 short tons	1,579	1,140	543	543	--------	--------
Bituminous coal ... do	113,894	98,400	81,725	39,413	18,419	23,893
Fuel oil[1] ... 1,000 gallons	2,628,414	2,366,569	2,015,694	7,833	28,544	1,979,317
Hardwood[1] ... cords	19,499	12,642	5,072	3,052	1,729	291
Softwood[1] ... do	52,815	44,134	34,802	16,580	2,372	15,850
Total, coal equivalent[2] 1,000 short tons	**132,137**	**114,458**	**94,924**	**40,014**	**18,592**	**36,318**
Rails laid in replacement and betterment:						
Total tonnage ... 1,000 long tons	3,610	2,674	1,715	741	416	558
Total charges[3] ... 1,000 dollars	130,397	98,521	63,726	27,154	15,328	21,244
Ties laid in previously constructed tracks:						
Crossties ... thousands	74,679	63,354	51,501	11,597	14,032	25,872
Switch and bridge ties ... 1,000 board feet	[4] 250,063	235,315	188,595	59,685	54,500	74,410
Total charges[3] ... 1,000 dollars	[4] 111,825	94,207	73,415	22,833	17,758	32,824

[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.
[4] Figures do not include data for 156 linear feet of steel ties.

Source of Tables 406 and 407: Interstate Commerce Commission.

No. 408.—EXPRESS COMPANIES: Income Account

NOTE.—In thousands of dollars. Mileage operated by express companies, 1932: Total, 267,846; steam road, 223,995; electric line, 2,661; steamboat line, 25,248; airplane, 10,867; stage line, 5,075. The Railway Express Agency, Inc., operates 257,686 miles, and the Southeastern Express Co., 10,160 miles

[All figures in thousands of dollars]

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
1923	309,579	155,736	157,444	154,446	2,998	2,138	834	1,851	2,460
1924	287,281	139,997	150,640	147,447	3,193	2,102	1,045	1,458	2,282
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1926	294,519	147,812	150,097	146,825	3,272	2,143	1,110	1,237	2,318
1927	284,513	139,494	148,730	145,467	3,263	2,197	1,050	1,204	2,207
1928	281,545	141,288	143,877	140,675	3,202	2,038	1,146	1,216	2,321
1929 [4]	41,104	18,554	23,083	22,560	523	327	193	193	381
Railway Express Agency, Inc.:									
1929 [5]	242,216	127,591	117,628	115,535	2,093	1,343	734	687	20
1930	237,488	112,366	128,470	125,821	2,649	1,375	1,259	509	36
1931	192,044	81,221	113,997	111,181	2,816	1,343	1,457	302	4
1932	137,703	53,085	87,436	84,513	2,923	1,380	1,513	234	[6] *5*
Southeastern Express Co.:									
1921 [7]	4,374	1,649	2,781	2,719	61	25	37	10	47
1923	7,866	3,877	4,097	3,908	189	88	99	24	123
1924	7,910	3,755	4,266	4,103	163	109	51	19	70
1925	8,041	3,912	4,241	4,086	155	86	67	20	87
1926	8,257	4,021	4,357	4,196	161	83	76	24	100
1927	8,176	3,971	4,342	4,188	154	88	62	28	90
1928	7,870	3,738	4,268	4,126	142	100	40	30	70
1929	8,007	3,900	4,244	4,098	146	110	35	38	73
1930	6,764	2,940	3,936	3,803	133	97	35	35	70
1931	5,603	2,117	3,585	3,443	142	89	51	17	68
1932	4,174	1,420	2,848	2,726	122	78	43	21	64

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

No. 409.—THE PULLMAN CO.: Abstract of Operations

[All money figures in thousands of dollars]

Year ended—	Gross revenues, car operations	Association revenues, debtor	Contract revenues, debtor [1]	Expenses, car operations: Total	Expenses, car operations: Conducting car operations	Net revenues, car operation	Operating income	Revenue passengers carried: Thousands	Revenue passengers carried: Number per car-day
June 30:									
1910	35,334	66	893	23,962	(2)	11,372	13,151	20,203	14
1915	38,723	467	1,954	26,633	11,716	12,090	10,816	24,252	12
Dec. 31:									
1916	44,203	482	2,694	30,879	13,457	13,324	11,745	27,866	12
1917	51,777	102	4,498	35,449	16,047	16,328	12,469	32,261	14
1918	49,967	----------	3,918	40,593	20,202	9,374	7,763	28,751	13
1919	69,071	----------	31	48,618	26,392	20,453	19,194	37,346	15
1920	72,124	----------	13,155	61,031	30,805	11,093	9,304	39,255	16
1921	64,439	----------	7,079	64,744	28,136	[3] *305*	[3] *3,277*	31,225	13
1922	65,582	----------	8,379	53,029	26,022	12,553	8,540	31,748	13
1923	72,576	----------	8,555	55,885	27,365	16,691	12,289	34,249	13
1924	72,758	----------	9,075	61,609	30,023	11,149	7,755	34,086	12
1925	80,198	----------	8,873	63,513	32,247	16,685	12,546	35,526	12
1926	81,834	----------	9,463	68,204	35,009	13,630	9,565	36,073	11
1927	80,952	----------	8,906	66,503	34,848	14,449	10,360	35,197	11
1928	80,846	----------	8,604	66,656	34,935	14,190	10,938	33,924	11
1929	82,384	----------	8,704	69,490	36,191	12,894	9,185	33,434	10
1930	76,234	----------	5,534	68,960	35,379	7,274	4,937	29,360	9
1931	62,558	----------	2,573	57,243	27,386	5,315	3,009	22,985	9
1932	43,366	----------	1,550	42,465	19,276	902	[3] *1,220*	15,750	8

[1] Amounts due other carriers under the provisions of definite contracts. [2] Not separated. [3] Deficit.
Source of Tables 408 and 409: Interstate Commerce Commission.

No. 410.—THE ALASKA RAILROAD TRAFFIC: Analysis of Statistics of Passenger and Freight Services, Years Ended June 30

	1931	1932		1931	1932
Road mileage operated—monthly average	519.9	519.9	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight train-miles	68,519	59,654
Passenger train-miles [1]	94,315	65,870	Mixed train-miles	8,456	8,172
Mixed train-miles	8,456	8,172	Loaded cars, 1 mile, freight and mixed trains	1,105,826	1,088,378
Passenger car-miles, passenger trains [1]	204,001	170,220	Empty cars, 1 mile, freight and mixed trains	737,399	685,757
Passenger car-miles, mixed trains	9,378	8,062	All cars, 1 mile	1,843,225	1,774,135
Total revenue passengers carried	51,217	22,568	Tons of revenue freight carried:		
Revenue passengers carried 1 mile	2,855,129	2,005,169	Coal	72,415	60,783
Total passenger revenue	$191,475	$191,873	Miscellaneous	29,064	26,270
Average revenue per passenger per mile	$0.06706	$0.09569	Tons of revenue freight carried 1 mile	16,434,729	14,569,719
			Total freight revenue	$688,440	$906,124
			Average revenue per ton per mile	$0.04188	$0.06213

[1] Including motor miles.

Source: Department of the Interior.

No. 411.—ELECTRIC RAILWAYS: Summary of Operations

Note.—This table does not include the electric operations of steam railway companies. Many electric railway companies also engage in other operations, especially in the sale of current for light and power; wherever possible, such light and power business has been excluded, but for numerous companies this is impossible. No distinction can be made in the statistics between purely urban street railways and suburban and interurban lines. The insignificant amount of business still conducted by cable and animal traction is included, as well as some operations conducted by primarily electric railways by means of steam traction and gasoline engine cars. In the trackage statistics of this table, each track of a double or multiple line is counted separately. Mileage figures expressed in nearest mile

	1890	1902	1907	1912	1917	1922	1927
Number of companies	789	987	1,236	1,260	[1] 1,307	[1] 1,200	[1] 963
Miles of all track operated	8,123	22,577	34,382	41,065	44,835	43,932	40,722
Operated by:							
Electricity	1,262	21,902	34,038	40,808	44,677	43,789	40,585
Cable	488	241	62	56	45	46	43
Animal traction	5,661	259	136	58	11	4	----------
Steam	711	170	105	76	41	1	17
Gasoline-engine cars	----------	[2] 6	41	66	56	[3] 86	[3] 77
Gravity	----------	----------	----------	----------	6	6	----------
Value of road and equipment (thousand dollars)	380,357	2,167,634	3,637,669	4,596,563	5,136,442	5,058,762	([4])
Number of employees	70,764	140,769	221,429	282,461	294,826	300,523	267,115
Number of passenger cars	32,505	60,290	70,016	76,162	79,914	77,301	70,309
Revenue passengers, including pay transfer [5] (thousands)	2,023,010	4,774,212	7,441,115	9,545,555	11,304,660	12,666,558	12,174,592
Operating revenues (thousand dollars)	90,617	247,554	418,188	567,512	709,825	1,016,719	927,774
Operating expenses (thousand dollars)	62,011	142,313	251,309	332,896	452,595	727,795	694,460
Operating ratio (per cent)	68.4	57.5	60.1	58.7	63.8	71.6	74.9

[1] Includes companies maintaining separate organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1907 and 1912 these companies were treated as merged and not included in the number reported.

[2] Compressed air.

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

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

[5] Not including motor-bus passengers.

Source: Bureau of the Census, Department of Commerce.

No. 412.—ELECTRIC RAILWAYS:

NOTE.—See headnote to Table 411. The track mileage represents that actually lying in each State, but all ducted in other States. The differences among the States in the relation of passengers carried to of interurban as against purely urban traffic. Data for motor-bus lines represent those operated mileage represents passenger, express, freight, and mail-car mileage. For statistics for 1927 relating to subsidiary companies, see Statistical Abstract 1932, p. 398, Table 432

Division and State	Miles of track lying in State or division [1]					Revenue passengers carried by companies domiciled in State (thousands)			
	1907	1912	1917	1922	1927	1907	1912	1917	1922
United States	34, 354	41, 033	44, 808	43, 905	40, 696	7, 441, 115	9, 545, 555	11, 304, 660	12, 679, 349
New England	4, 863	5, 299	5, 556	5, 049	3, 931	875, 116	1, 051, 162	1, 242, 077	1, 137, 106
Maine	418	530	572	566	501	36, 730	47, 049	55, 463	50, 010
New Hampshire	268	268	269	263	156	20, 087	23, 673	23, 405	19, 650
Vermont	113	121	126	117	63	7, 103	8, 136	8, 739	6, 950
Massachusetts	2, 851	2, 951	3, 056	2, 688	2, 071	597, 470	705, 918	834, 529	732, 447
Rhode Island	431	435	454	403	304	91, 172	94, 086	113, 191	143, 009
Connecticut	781	993	1, 080	1, 011	836	122, 554	172, 300	206, 740	185, 040
Middle Atlantic	8, 891	10, 064	10, 604	10, 519	9, 473	2, 839, 019	3, 513, 721	4, 225, 287	4, 978, 230
New York	3, 809	4, 486	4, 773	4, 737	4, 348	1, 657, 687	2, 126, 964	2, 492, 325	3, 090, 878
New Jersey	1, 320	1, 309	1, 368	1, 342	1, 003	269, 099	356, 858	432, 875	466, 819
Pennsylvania	3, 762	4, 270	4, 462	4, 440	4, 032	912, 233	1, 029, 899	1, 300, 087	1, 420, 533
East North Central	10, 353	11, 884	12, 703	12, 431	11, 802	1, 607, 895	2, 159, 621	2, 712, 625	2, 981, 417
Ohio	3, 671	3, 999	4, 236	3, 974	3, 486	480, 844	632, 332	811, 913	872, 164
Indiana	1, 929	2, 323	2, 356	2, 305	2, 330	137, 547	173, 019	191, 132	241, 873
Illinois	2, 754	3, 186	3, 441	3, 416	3, 298	703, 493	932, 668	1, 096, 804	1, 128, 105
Michigan	1, 324	1, 526	1, 768	1, 817	1, 779	183, 239	286, 956	447, 780	557, 900
Wisconsin	676	849	901	919	909	102, 772	134, 646	164, 996	181, 375
West North Central	2, 455	3, 031	3, 607	3, 604	3, 556	615, 631	787, 301	902, 369	942, 867
Minnesota	438	538	656	681	723	136, 122	186, 918	235, 943	262, 781
Iowa	641	784	1, 015	999	982	61, 440	93, 418	103, 898	95, 494
Missouri	867	959	1, 094	1, 098	1, 054	346, 362	402, 210	442, 756	464, 603
North Dakota	14	19	24	21	19	1, 872	2, 862	2, 841	3, 378
South Dakota	5	22	24	17	16	126	1, 657	1, 915	2, 023
Nebraska	184	214	211	206	192	49, 323	64, 709	74, 560	76, 846
Kansas	306	494	582	581	570	20, 386	35, 527	40, 456	37, 742
South Atlantic	2, 244	2, 900	3, 221	3, 191	3, 063	487, 982	616, 725	747, 562	830, 514
Delaware	105	99	102	96	83	15, 724	18, 024	26, 047	20, 860
Maryland	552	720	775	758	731	152, 268	186, 828	228, 634	248, 594
Dist. of Col	160	188	195	199	185	91, 569	114, 100	125, 536	156, 242
Virginia	513	561	581	554	541	77, 300	91, 980	112, 814	116, 289
West Virginia	208	330	395	422	381	42, 750	52, 842	76, 163	91, 079
North Carolina	106	190	228	216	205	14, 086	21, 241	26, 915	29, 964
South Carolina	131	228	314	301	286	15, 695	17, 873	25, 042	20, 211
Georgia	351	417	450	449	425	59, 701	86, 601	93, 640	105, 958
Florida	118	165	183	197	226	18, 889	27, 236	32, 771	41, 317
East South Central	1, 075	1, 291	1, 457	1, 477	1, 378	220, 887	268, 785	292, 004	308, 021
Kentucky	402	502	516	517	489	85, 859	103, 512	109, 105	115, 594
Tennessee	292	361	447	495	507	73, 747	91, 896	101, 825	110, 369
Alabama	294	309	369	368	335	52, 197	62, 494	70, 343	73, 646
Mississippi	86	119	124	98	47	9, 084	10, 883	10, 731	8, 412
West South Central	840	1, 372	1, 704	1, 724	1, 773	193, 338	270, 746	313, 203	382, 087
Arkansas	82	114	122	120	122	17, 145	24, 304	26, 283	29, 954
Louisiana	239	285	331	305	284	85, 194	94, 053	105, 753	128, 337
Oklahoma	100	252	302	324	334	9, 502	22, 121	30, 766	36, 260
Texas	419	721	950	975	1, 033	81, 497	130, 268	150, 401	187, 536
Mountain	630	1, 048	1, 311	1, 291	1, 137	113, 304	154, 224	162, 222	148, 748
Montana	69	99	121	111	109	13, 862	15, 351	22, 197	15, 255
Colorado	317	468	467	431	356	73, 458	86, 597	84, 624	81, 613
New Mexico	10	11	11	11	11	1, 029	951	1, 486	1, 425
Arizona	31	46	53	44	37	1, 902	4, 554	7, 483	5, 474
Idaho	73	129	155	149	121	1, 327	4, 170	3, 279	3, 256
Wyoming	--------	23	23	23	--------	----------	1, 399	1, 457	684
Nevada	7	11	12	5	5	620	750	805	480
Utah	123	260	469	517	498	21, 106	40, 452	40, 891	40, 561
Pacific	3, 003	4, 146	4, 647	4, 619	4, 583	487, 943	723, 270	707, 311	970, 359
Washington	730	991	1, 022	954	904	110, 507	126, 687	145, 922	143, 429
Oregon	259	549	603	612	548	49, 459	75, 842	67, 223	71, 804
California	2, 013	2, 605	3, 022	3, 053	3, 131	327, 977	520, 741	494, 166	755, 126

[1] Mileage figures expressed to nearest mile, original figures to nearest hundredth
[2] Data for Rhode Island included with Massachusetts.
[3] Data for Missouri and South Dakota.
[4] Figures for South Atlantic division represent District of Columbia, Georgia, and Florida.

Operating Statistics, by States

other data relate to the total operations of companies domiciled in the State, part of which may be con-
passenger revenue and in other similar ratios are largely due to differences in the relative importance
directly by electric railways; lines operated by subsidiary companies are not included. Revenue car
mileage, equipment, employees, traffic, income, etc., of motor-bus lines operated by electric railways and

Revenue passengers carried by companies domiciled in State (thousands)—Con.		Passenger revenue of companies domiciled in State (thousands of dollars)				Revenue car miles operated by companies domiciled in State (thousands)				Division and State
1927				1927				1927		
Car lines	Motor-bus lines	1912	1922	Car lines	Motor-bus lines	1912	1922	Car lines	Motor-bus lines	
12,174,592	167,781	502,652	854,663	834,601	14,578	1,921,620	2,124,523	2,163,773	65,068	U. S.
910,455	54,621	52,521	87,704	79,752	4,607	191,451	173,083	154,549	15,971	N. E.
32,499	75	2,458	4,243	3,060	44	11,124	11,027	9,485	174	Me.
10,807	113	1,202	1,585	924		4,726	4,006	2,767	71	N. H.
3,691	70	423	451	258		1,776	1,406	980	30	Vt.
604,951	45,916	35,146	58,521	55,198	[2] 4,563	125,894	105,162	96,723	13,166	Mass.
105,210	8,447	13,292	22,904	20,312	(2)	15,085	16,244	13,932	2,530	R. I.
153,297	--------				--------	32,846	35,238	30,662	--------	Conn
5,172,379	174	180,634	297,560	308,687	17	668,589	710,550	755,120	55	M. A.
3,407,410	162	110,700	168,451	186,692	16	411,008	442,114	496,910	51	N. Y
406,444	12	17,616	30,863	21,743	1	60,994	69,214	52,179	4	N. J.
1,358,525	--------	52,318	98,246	100,252	--------	191,587	199,222	206,031	--------	Pa.
2,886,084	55,906	118,128	213,365	211,622	5,061	474,239	546,337	571,510	22,683	E. N. C.
726,069	24,552	32,672	55,359	50,309	1,989	137,548	141,247	136,400	7,081	Ohio.
201,070	7,580	12,796	20,286	18,579	513	47,879	58,552	63,782	4,043	Ind.
1,257,594	10,282	49,815	93,817	100,278	1,007	201,027	230,127	256,985	4,310	Ill.
521,774	1,920	15,877	31,473	29,186	196	61,189	83,571	78,929	1,316	Mich.
179,577	11,572	6,968	12,430	13,270	1,356	26,596	32,840	35,414	5,933	Wis.
758,333	3,399	40,854	66,880	56,599	394	152,347	174,012	159,097	2,303	W. N. C.
207,476	--------	9,420	15,850	14,379	--------	32,793	36,066	35,546	--------	Minn.
66,883	1,675	5,259	7,850	5,968	175	22,122	29,152	23,892	783	Iowa.
407,210	407	20,216	34,137	30,106	[3] 167	72,573	80,738	76,702	180	Mo.
2,893	--------	222	342	382		661	926	951	--------	N. Dak.
736	510					474	579	368	879	S. Dak.
51,890	132	3,277	4,930	3,695	12	12,613	13,980	11,291	65	Nebr.
21,245	675	2,460	3,771	2,069	40	11,111	12,571	10,347	396	Kans.
743,305	9,401	30,921	58,863	54,733	[4] 749	124,591	153,154	151,263	3,812	S. A.
18,961	--------	15,480	30,995	29,164	--------	3,967	3,883	3,649	--------	Del.
227,918	--------				--------	34,439	42,401	40,387	--------	Md.
136,888	7,459				(4)	18,558	21,037	20,082	2,775	D. C.
100,751	--------	4,532	7,540	6,979	--------	19,903	24,312	24,632	--------	Va.
71,163	--------	3,034	6,570	5,761	--------	11,707	15,238	15,504	--------	W. Va.
25,443	--------	1,177	2,068	1,708	--------	5,998	6,887	6,595	--------	N. C.
10,255	--------	929	1,755	751	--------	4,658	7,719	7,399	--------	S. C.
98,564	265	4,395	7,521	6,991	(4)	19,217	22,619	21,429	150	Ga.
53,362	1,677	1,374	2,414	3,379	(4)	6,144	9,058	11,586	887	Fla.
311,351	--------	13,868	20,840	20,541	--------	58,056	58,389	59,504	--------	E. S. C.
117,894	--------	5,592	7,643	7,764	--------	22,274	20,372	21,480	--------	Ky.
103,984	--------	4,664	7,735	7,252	--------	18,936	19,122	20,635	--------	Tenn.
85,463	--------	3,004	4,812	5,270	--------	13,313	15,820	15,910	--------	Ala.
4,010	--------	608	650	255	--------	3,533	3,075	1,479	--------	Miss.
352,541	14,305	14,790	29,529	27,562	1,094	61,617	80,091	82,050	5,215	W. S. C.
25,887	28	1,183	1,781	1,530	3	5,594	5,735	6,371	26	Ark.
123,491	3,683	4,725	9,388	8,554	265	21,812	20,429	18,239	1,123	La.
23,808	4,178	1,254	3,127	2,443	301	6,143	9,356	9,017	1,416	Okla.
179,355	6,416	7,628	15,233	15,035	525	28,068	44,571	48,423	2,650	Tex.
118,004	1,283	8,061	11,459	9,072	136	30,150	32,739	32,187	723	Mt.
14,108	--------	800	951	859	--------	2,901	2,979	3,090	--------	Mont.
64,865	591	4,521	6,222	4,898	(5)	17,202	15,746	15,152	259	Colo.
516	--------	282	382	447	--------	309	410	334	--------	N. Mex.
5,432	--------					1,019	981	1,096	--------	Ariz.
837	--------	451	388			1,420	1,323	770	--------	Idaho.
--------	--------					381	253	--------	--------	Wyo.
351	--------	2,007	3,516	2,868	[5] 136	270	108	80	--------	Nev.
31,895	692					6,648	10,939	11,665	464	Utah.
922,140	28,692	42,875	68,463	66,033	2,520	165,580	196,168	196,493	14,306	Pac.
118,303	5,570	7,283	12,273	10,587	972	29,517	36,299	32,273	3,953	Wash.
60,471	2,652	4,578	6,285	5,147		19,509	21,341	20,192	1,313	Oreg.
743,366	20,470	31,014	49,905	50,299	1,548	116,554	138,528	146,028	9,040	Calif.

[5] Data for Colorado included with Utah.

Source: Bureau of the Census, Department of Commerce.

No. 413.—ELECTRIC RAILWAYS: Mileage, Equipment, Output of Electricity, Traffic, Employees, and Salaries and Wages

Note.—See headnote to Table 411

	All companies					Surface lines	
	1907	1912	1917	1922	1927	1922	1927
Number of operating companies	945	975	943	858	682	851	678
Miles of all track [1]	34,404	41,085	44,835	43,932	40,722	43,074	39,851
First track (length of line)	25,547	30,438	32,548	31,264	27,948	(2)	27,667
Second and other tracks	8,856	10,627	12,288	12,668	12,775	(2)	12,184
Electric track with—							
Overhead trolley	32,502	38,958	42,491	41,418	[3] 38,246	41,368	[3] 38,225
Third rail and conduit trolley	1,532	1,747	2,051	2,314	2,270	1,487	1,419
Other (electric)	26	103	137	78	[3] 95	78	[3] 95
Number of cars	83,641	94,016	102,603	99,255	93,246	91,159	84,592
Passenger	70,016	76,162	79,914	77,301	70,309	69,397	61,881
Express, freight, and mail	5,669	7,794	11,534	11,406	13,337	11,406	13,337
Service cars	7,956	10,060	11,155	10,548	9,600	10,356	9,374
Number of electric locomotives	117	277	367	404	462	404	456
Horsepower of power-plant equipment [4] [5]	2,519,823	3,661,385	4,200,192	4,119,306	2,025,821	(2)	(2)
Steam turbines	535,404	1,462,300	2,322,692	2,856,006	1,561,457	(2)	(2)
Other steam engines [5]	1,876,123	1,703,088	1,221,223	827,027	420,389	(2)	(2)
Internal-combustion engines	16,335	24,190	28,294	32,495	7,700	(2)	(2)
Water wheels and turbines	91,961	471,307	627,983	403,778	35,775	(2)	(2)
Kilowatt capacity of generators [4]	1,723,416	2,505,316	2,924,779	2,972,834	1,470,904	(2)	(2)
Electric energy (1,000 kilowatt-hours) [4]	----------	9,020,018	12,187,851	12,405,053	9,389,597	(2)	(2)
Generated [4]	4,759,130	6,002,659	7,240,503	6,473,451	2,975,863	(2)	(2)
Purchased	(6)	3,017,359	4,947,348	5,931,602	6,413,734	(2)	(2)
Passengers carried (thousands) [7]	9,533,081	12,135,342	14,508,915	15,331,400	14,901,435	13,586,232	12,678,849
Revenue passengers, including pay transfer	7,441,115	9,545,555	11,304,661	12,666,558	12,174,592	10,923,274	9,953,798
Free-transfer passengers	1,995,658	2,425,918	3,021,138	2,496,570	2,571,249	2,662,958	2,570,937
Free passengers	96,308	165,869	181,116	168,272	155,594		154,114
Revenue car mileage (thousands)	1,617,731	1,921,620	2,139,802	2,124,523	2,163,773	1,821,177	1,786,560
Passenger	1,583,831	1,885,870	2,087,819	2,068,294	2,084,566	1,764,948	1,707,353
Express, freight, and mail	33,900	35,750	51,983	56,229	79,207	56,229	79,207
Average number of revenue passengers:							
Per mile of all track [8]	216,522	232,556	252,323	288,600	299,733	253,842	259,826
Per passenger-car hour	43.06	48.38	53.69	61.14	59.68	(2)	57.66
Revenue car-hours (thousands)	151,339	190,478	203,057	201,838	202,513	----------	178,837
Passenger	148,678	187,590	199,053	197,146	196,464	----------	172,788
Express, freight, and mail	2,661	2,888	4,004	4,692	6,049	----------	6,049
Salaried employees:							
Number	11,700	23,271	27,151	30,239	27,845	28,867	26,374
Salaries (thousand dollars)	12,909	26,129	33,910	57,489	56,647	54,481	52,770
Wage earners:							
Number	209,729	259,190	267,675	270,284	239,270	244,277	211,315
Wages (thousand dollars)	138,082	174,762	233,331	388,191	385,305	347,203	338,022
Conductors, motormen, and bus operators:							
Number	115,518	131,321	136,184	130,628	115,720	126,717	111,220
Wages (thousand dollars)	75,705	95,452	127,222	205,238	200,963	197,131	191,476
Other wage earners—							
Number	94,211	127,869	131,491	139,656	123,550	117,560	100,095
Wages (thousand dollars)	62,377	79,311	106,109	182,953	184,341	150,072	146,546

[1] Mileage expressed in nearest mile. Figures include track lying outside the United States (1907, 28 miles; 1912, 32 miles; 1917, 1922 and 1927, 27 miles).

[2] Not shown separately.

[3] Overhead trolley includes 25 miles of surface lines operated by both overhead trolley and gas-electric motor cars.

[4] Figures for power-plant equipment, capacity of generators, and output of stations in 1927 are not comparable with those in prior years, as companies that formerly reported these data as auxiliary operations on railway schedules furnished separate and complete reports for light and power operations in 1927. These are included in the statistics for "Central Electric Light and Power Stations." The number of companies that reported power-plant equipment in 1907 was 576; in 1912, 494; in 1917, 355; in 1922, 232 and in 1927, 70.

[5] Includes 857 units of 43,344 horsepower reported as auxiliary engines in 1907 and 33 units with 41,100 horsepower of idle equipment in 1927.

[6] No data.

[7] Not including passengers carried by motor busses operated by electric railway companies (16,120,000 in 1922 and 214,694,000 in 1927).

[8] Exclusive of idle track and freight and switching roads.

Source: Bureau of the Census, Department of Commerce.

No. 414.—ELECTRIC RAILWAYS: INCOME ACCOUNT OF OPERATING COMPANIES

NOTE.—See headnote to Table 411

[All figures except percentages in thousands of dollars]

	All companies					Surface lines		Motor-bus lines, 1927
	1907	1912	1917	1922	1927	1922	1927	
Gross operating revenue	418,188	567,511	709,825	1,016,719	[1] 927,774	910,858	[1] 798,754	68,121
Railway operations	400,896	535,996	650,150	925,477	918,869	----------	789,849	67,253
Passenger	382,132	502,652	603,130	854,663	834,601	757,736	713,288	-------
Baggage, express, and milk	1,561	3,688	4,966	5,285	4,271	153,121	4,271	-------
Freight	5,231	10,165	18,546	31,560	39,125		39,125	-------
Other railway operations	11,972	19,491	23,508	33,969	40,873		33,165	-------
Auxiliary operations	17,292	31,515	59,675	91,242	[1] 8,905		[1] 8,905	868
Operating expenses (total)	251,309	332,896	452,595	727,795	[1] 694,460	660,136	[1] 616,258	66,002
Railway operating expenses	245,140	318,700	421,251	678,563	686,638	612,099	608,436	65,771
Way and structures	28,521	44,270	55,470	102,003	96,285	94,126	85,807	23,717
Equipment	31,486	38,717	48,982	87,237	92,865	77,500	79,249	
Power	43,972	53,599	76,958	107,246	98,602	92,790	84,508	
Conducting transportation	[2] 97,123	[2] 129,205	174,973	286,690	294,322	256,957	262,415	42,054
All other	44,038	52,909	64,868	95,388	104,564	90,726	96,457	
Auxiliary operations	6,169	14,196	31,344	49,232	[1] 7,822	48,036	[1] 7,822	231
Ratio of expenses to revenue (per cent)	60.1	58.7	63.8	71.6	74.9	72.5	77.2	96.9
Net operating revenue	166,879	234,615	257,230	288,924	[1] 233,313	250,722	[1] 182,496	2,119
Taxes	19,756	35,028	45,756	64,788	57,809	58,347	49,594	2,880
Operating income	147,123	199,587	211,474	224,136	[1] 175,505	192,375	[1] 132,902	[3] *761*

[1] Not comparable with corresponding figures for prior years, as a number of companies that formerly reported their light and power departments in "auxiliary operations" furnished complete separate reports for these departments in 1927 which are included in statistics for "Central Electric Light and Power Stations."

[2] Includes superintendence of power. [3] Deficit.

Source: Bureau of the Census, Department of Commerce.

No. 415.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

Year	Placed under receivership				Sold under foreclosure				Receivers' certificates
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities		
			Stock	Bonds			Stock	Bonds	
			Dollars	*Dollars*			*Dollars*	*Dollars*	*Dollars*
1910	11	697	12,629,400	75,490,735	22	724	19,106,613	26,374,075	(1)
1911	19	519	29,533,450	38,973,293	25	661	91,354,800	115,092,750	(1)
1912	26	374	20,410,700	11,133,800	18	267	14,197,300	10,685,250	(1)
1913	18	343	31,006,900	47,272,200	17	302	15,243,700	19,094,500	(1)
1914	10	362	35,562,550	19,050,460	11	181	26,239,700	44,094,241	(1)
1915	27	1,152	40,298,050	39,372,375	19	308	30,508,817	16,759,997	(1)
1916	15	359	14,476,600	10,849,200	19	430	13,895,400	22,702,300	(1)
1917	21	1,177	33,918,725	33,778,400	26	745	27,281,900	27,313,045	(1)
1918	29	2,018	92,130,388	163,257,102	23	524	37,740,325	20,149,384	(1)
1919	48	3,781	321,259,354	312,915,104	29	2,675	89,893,400	79,836,738	42,300
1920	19	1,065	28,758,455	72,283,575	13	260	7,782,400	11,227,328	52,000
1921	19	986	32,909,525	36,177,800	13	778	33,642,255	30,863,526	5,000
1922	14	695	18,140,150	20,304,400	13	323	7,491,500	12,640,600	114,683
1923	12	334	8,332,100	14,707,066	15	927	118,077,959	110,638,250	12,265,000
1924	12	1,022	28,489,700	35,716,000	14	869	21,022,800	34,845,535	3,440,388
1925	14	1,260	51,383,195	54,696,525	13	569	18,074,300	18,329,555	53,000
1926	16	1,228	17,769,435	117,560,073	28	1,291	20,054,700	57,340,363	214,000
1927	13	624	17,615,050	20,875,450	16	941	53,345,000	78,445,100	3,140,000
1928	8	262	9,216,700	14,790,700	8	1,004	26,084,325	40,683,400	168,150
1929	5	426	39,035,000	35,138,400	10	510	18,472,995	21,173,700	285,359
1930	12	1,431	85,358,800	108,372,110	8	1,055	36,254,965	44,564,000	----------
1931	17	1,308	38,261,502	43,025,994	12	845	38,206,600	19,769,600	50,000
1932	20	1,849	167,542,450	341,086,181	6	347	10,685,000	12,609,800	----------

[1] Data not available.

Source: Annual Statistical Number, Transit Journal.

No. 416.—ELECTRIC RAILWAYS: Comparative Statistics of Subway and Elevated Lines [1]

	1907	1912	1917	1922	1927
Number of companies	6	7	7	7	[2] 4
Miles of track [3]	420.4	517.8	666.1	857.9	870.9
Number of cars	4,453	5,706	6,801	8,096	8,654
Passengers carried (thousands)	640,705	1,004,823	1,274,652	1,745,167	2,222,586
Revenue passengers, including pay transfer	635,653	991,062	1,262,509	1,743,284	2,220,794
Revenue car mileage (thousands)	143,634	219,467	247,199	343,346	377,213
Average number of revenue passengers:					
Per mile of all track [4]	1,514,866	1,913,950	2,112,349	2,229,719	2,858,422
Per passenger-car hour	(5)	(5)	(5)	90.86	93.80
Salaried employees:					
Number	362	907	1,937	1,372	1,471
Salaries	$569,317	$1,397,898	$2,647,901	$3,008,067	$3,877,475
Wage earners:					
Number	12,501	19,098	26,835	26,007	27,955
Wages	$8,588,493	$13,866,813	$22,092,946	$40,987,936	$47,282,821

[1] Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group.
[2] Prior to 1927 four companies in Illinois were consolidated forming the Chicago Rapid Transit Co.
[3] Includes a minor amount of surface trackage.
[4] Average for 1917, 1922, and 1927 based upon running track exclusive of idle track and freight and switching roads; for 1907 and 1912, upon all track exclusive of idle track and freight and switching roads.
[5] No data.

Source: Bureau of the Census, Department of Commerce.

No. 417.—ELECTRIC RAILWAYS: Mileage of Elevated and Subway and Tunnel Track, by States

Note.—In these statistics all track is included; each track of a double or multiple line is counted separately. Mileage expressed in nearest tenth

Class of trackage and State	1907	1912	1917	1922	1927	Class of trackage and State	1907	1912	1917	1922	1927
Elevated, total	362.4	417.8	497.3	601.7	634.2	Subways and tunnels, total	74.8	112.7	218.8	325.6	342.4
New York	200.4	230.8	297.0	362.8	373.0	New York [2]	60.4	70.5	162.4	269.1	281.7
Illinois	125.8	141.9	146.9	163.9	178.7	Massachusetts	7.8	18.5	25.2	27.0	29.4
Pennsylvania	7.7	9.9	16.7	32.4	32.2	New Jersey [3]	------	11.7	12.6	12.6	12.6
Massachusetts	16.7	26.6	26.2	30.1	35.6	Pennsylvania	5.6	8.4	9.0	8.0	9.2
New Jersey	[1] 7.2	4.3	4.4	4.3	4.3	California	------	.3	5.4	5.4	5.9
Missouri	3.2	2.9	3.0	2.9	------	Illinois	.6	1.9	1.9	1.8	1.8
Washington	------	------	------	2.7	7.8	All other States [4]	.4	1.4	2.3	1.7	1.8
Maryland	1.4	1.4	1.4	1.4	1.4						
California	------	------	1.2	1.2	1.2						
Kansas	------	------	.5	------	------						

[1] Includes 3.06 miles of Camden and Atlantic branch of West Jersey & Seashore Railroad Co., tabulated as an electrified division of a steam road in subsequent years.
[2] Excludes 11.68 miles operated in New Jersey.
[3] Includes 11.68 miles owned by a New York company.
[4] Minnesota, Missouri, Rhode Island, and Washington, 1927; Rhode Island, Minnesota, and Missouri, 1922; Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Kansas, Missouri, Oregon, and Tennessee, 1912; Missouri, 1907.

Source: Bureau of the Census, Department of Commerce.

No. 418.—ELECTRIC RAILWAYS: Finances of Elevated and Subway Lines

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

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

[1] Deficit.

Source: Bureau of the Census, Department of Commerce.

No. 419.—CIVIL AERONAUTICS: Summary of Statistics

Item	1928	1929	1930	1931	1932
SCHEDULED AIR TRANSPORT OPERATIONS					
Services in operation Dec. 31	63	97	122	126	136
Miles of all airways in operation Dec. 31	16,667	36,321	49,549	50,398	48,530
Airplanes in service and reserve Dec. 31	325	525	600	590	564
Value	$7,000,000	$12,000,000	$11,489,540	$9,167,500	$8,763,432
Total personnel employed Dec. 31	1,496	2,345	3,475	[1] 5,645	[1] 5,588
Pilots employed	308	562	675	690	709
Airplane miles flown, all operators	10,673,450	25,141,499	36,945,203	47,385,987	50,932,967
Airplane miles flown daily, average for the year	29,242	68,881	101,220	129,825	139,542
Passengers carried	49,713	173,405	417,505	522,345	540,681
Average passenger-mile rate	$0.11	$0.12	$0.083	$0.0674	$0.061
Express and freight carried, pounds	216,644	257,443	468,571	1,151,348	1,033,970
Express and freight privately carried, pounds	1,631,512	1,609,436	2,400,684	1,532,156	669,011
Miles of mail airways Dec. 31 [2]	14,561	26,597	41,501	43,735	45,436
Airplane miles flown with mail [2]	7,846,296	14,869,166	19,904,185	33,113,720	36,053,067
Mail carried by contractors, pounds [2]	4,063,173	7,772,014	8,513,675	9,643,211	7,908,723
Average mail load per scheduled round trip, pounds [3]	489	617	608	678	522
Mail income to contractors [2]	$7,432,721	$17,042,521	$20,015,969	$26,884,043	$26,234,321
Average mail income per scheduled round trip [3]	$994	$1,205	$974	$1,482	$1,363
Average income per pound of contract mail [3]	$2.03	$2.01	$1.60	$2.19	$2.61
Average mail income per contract mile flown [3]	$0.94	$1.06	$0.88	$0.70	$0.56
MISCELLANEOUS [4]					
Airplane miles flown (misc. flying operations)	60,000,000	110,000,000	108,269,760	94,343,115	78,178,700
Miles airways lighted by Dept. of Commerce	6,988	12,448	15,258	17,512	19,500
Under construction	2,314	1,352	3,221	1,988	----------
Beacons, revolving and flashing (Federally operated)	1,188	1,311	1,652	1,836	1,988
Beacons, privately owned and certified	54	114	140	188	228
Radio communication stations	29	34	45	56	61
Radio range beacon stations	2	9	33	47	68
Radio marker beacons	----------	----------	6	46	74
Weather reporting airway and airport stations [5]	----------	58	143	234	234
Weather Bureau airway stations [6]	95	190	279	348	310
Weather Bureau first order stations	206	207	209	218	216
Commercial and private airports	365	495	564	673	645
Municipal airports	368	453	550	636	549
Intermediate landing fields—Dept. of Commerce—					
Lighted	210	285	347	385	337
Unlighted	----------	----------	7	19	15
Auxiliary airports—marked	340	235	240	300	476
Army, Navy, Marine Corps, National Guard, reserve and miscellaneous airports	81	82	74	80	95
Pilots licensed (active), airplane	4,887	10,215	15,280	17,739	18,594
Airplanes licensed (active)	3,165	6,685	7,354	7,553	7,330

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

Source: Aeronautics Branch, Department of Commerce.

21.—WATERWAYS, WATER TRAFFIC, AND SHIPPING

Data in this section cover the following areas unless otherwise indicated: From Board of Engineers of the United States Army, and Bureau of Foreign and Domestic Commerce, United States customs area which includes Alaska, Hawaii, and Puerto Rico; from United States Shipping Board, continental United States

General note as to units of measurement.—"Cargo tonnage" represents weight of cargo in long tons (2,240 pounds) or short tons (2,000 pounds). All other tonnage figures refer to capacity of vessels. The terms gross and net tonnage refer to space measurement, 100 cubic feet being called 1 ton. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers or crew, with certain minor exemptions. Net or registered tonnage is what remains after deducting from the gross tonnage the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Dead-weight tonnage is the weight in long tons 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. 420.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

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

	1926	1927	1928	1929	1930	1931
Foreign commerce, total	131, 293	120, 523	126, 768	127, 510	114, 110	89, 526
Imports, through seaports	44, 834	43, 388	46, 690	51, 591	46, 448	37, 375
Exports, through seaports	69, 859	56, 550	56, 151	55, 761	48, 148	38, 841
Imports, Great Lakes ports	6, 424	8, 098	8, 548	6, 385	7, 590	4, 016
Exports, Great Lakes ports	10, 176	12, 487	15, 379	13, 773	11, 924	9, 294
Domestic commerce, unadjusted total	470, 208	473, 118	482, 232	527, 535	477, 220	403, 918
Coastwise, between ports	108, 023	121, 036	119, 254	124, 999	117, 821	113, 949
Great Lakes, between ports	116, 486	113, 917	119, 301	135, 838	109, 791	71, 788
Local traffic of seaports and Great Lakes ports[1]	89, 168	78, 162	77, 925	91, 892	81, 403	70, 814
Traffic between seaports and river points	34, 510	38, 191	37, 672	39, 632	35, 601	34, 044
Traffic on rivers, canals, and connecting channels[2]	122, 021	121, 812	128, 080	135, 174	132, 604	113, 323
Foreign and domestic, unadjusted total	601, 501	593, 641	609, 000	655, 045	591, 330	493, 444
Deduction of duplications:						
Traffic between seaports and river points	34, 510	38, 191	37, 672	39, 632	35, 601	34, 044
Other duplications (canals, etc.)[3]	26, 491	22, 950	32, 128	31, 613	35, 449	13, 752
Net total, foreign and domestic	540, 500	532, 500	539, 200	583, 800	520, 280	445, 648
Approximate net total, domestic[4]	409, 207	411, 977	412, 432	456, 290	406, 170	356, 122

[1] Includes the following, with figures for 1931: Harbor traffic of New York, Philadelphia, and San Francisco (40,623,000 tons); local traffic of other seaports (24,469,000); local traffic of lake ports (5,722,000).
[2] Excluding St. Marys Falls Canal traffic (44,614,000 tons in 1931) and additional Detroit River traffic (21,798,000 tons in 1931), both of which are already counted in Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.
[3] Principally coastwise and lake traffic passing through canals and connecting channels, other than the St. Marys Falls Canal and the Detroit River.
[4] Estimated from data in this table on the assumption that all the duplications deducted from the grand total represent duplications in domestic traffic; there are, however, some minor cases of duplication connected with foreign traffic.

Source: Board of Engineers for Rivers and Harbors.

No. 421.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1931

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	37,375	38,841	116,813	111,085
Atlantic ports	31,088	12,533	76,464	44,847
Searsport, Me	14	-------	373	58
Portland, Me	463	62	1,831	206
Portsmouth, N. H	50	-------	221	9
Boston Harbor, Mass	2,783	231	-------	-------
Beverly, Mass	48	-------	500	13
Salem, Mass	-------	-------	416	-------
Lynn, Mass	5	-------	340	2
New Bedford and Fairhaven, Mass	(1)	1	684	71
Fall River, Mass	524	2	862	442
Newport, R. I	-------	-------	118	7
Providence, R. I	735	(1)	3,672	632
New London, Conn	21	-------	448	107
New Haven, Conn	15	5	2,047	387
Bridgeport, Conn	44	-------	855	67
Stamford, Conn	-------	-------	285	27
Greenwich, Conn	-------	-------	125	1
New York Harbor, N. Y	14,751	6,924	29,530	6,590
Hempstead, N. Y	-------	-------	403	4,962
Huntington Bay, N. Y	-------	-------	2	1,241
Port Jefferson, N. Y	-------	4	115	2,679
Philadelphia, Pa.[2]	4,389	1,813	11,744	4,420
Baltimore, Md	4,394	891	2,659	1,281
Hampton Roads, Va	789	1,501	1,262	17,796
Wilmington, N. C	251	15	598	22
Charleston Harbor, S. C.[3]	372	152	843	195
Savannah, Ga	462	339	983	517
Brunswick, Ga	52	96	307	291
Fernandina, Fla	-------	136	(1)	15
Jacksonville, Fla	316	163	909	414
Miami, Fla	188	57	261	133
Key West, Fla	59	107	96	2
San Juan, P. R	189	18	412	242
Gulf ports	3,673	13,830	7,128	36,292
Charlotte, Fla	-------	213	2	170
Tampa, Fla	119	847	969	853
Gulf ports—Con.				
Pensacola, Fla	64	284	155	132
Mobile, Ala	287	623	540	718
Gulfport, Miss	45	141	41	6
New Orleans, La	2,300	2,237	2,834	2,101
Baton Rouge, La	126	1,286	8	1,777
Galveston, Tex	228	1,387	598	1,003
Texas City, Tex	73	148	8	2,431
Houston, Tex	294	4,056	895	6,945
Freeport, Tex	-------	178	95	238
Port Aransas, Tex	-------	-------	-------	1,716
Sabine, Tex	-------	-------	-------	443
Port Arthur, Tex	7	1,582	547	7,106
Beaumont, Tex	100	537	69	10,502
Corpus Christi, Tex	5	286	90	61
Pacific ports	2,614	12,478	33,221	29,946
San Diego, Calif	26	8	635	16
Los Angeles, Calif	580	5,412	6,023	11,082
San Luis Obispo, Calif	-------	477	14	1,933
San Francisco Bay, Calif	787	2,816	15,440	6,054
Monterey, Calif	-------	-------	85	426
Humboldt, Calif	1	12	196	204
Long Beach, Calif	51	116	1,288	1,406
Coos Bay, Oreg	-------	94	63	264
Portland, Oreg	92	1,077	2,299	1,020
Other ports on Columbia and Willamette Rivers	3	210	168	308
Longview, Wash	6	107	68	405
Grays Harbor, Wash	2	409	114	468
Port Gamble, Wash	26	17	1	208
Olympia, Wash	(1)	220	57	231
Tacoma, Wash	264	589	650	712
Seattle, Wash	282	536	3,242	1,470
Everett, Wash	114	142	263	650
Anacortes, Wash	32	7	71	68
Bellingham, Wash	12	61	86	370
Port Angeles, Wash	138	25	119	134
Port Ludlow, Wash	34	18	1	199
Honolulu, Hawaii	101	12	1,162	735
Kahului, Hawaii	8	6	155	216
Hilo, Hawaii	14	9	143	189

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

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

No. 422.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS

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

Port	Receipts				Shipments			
	1928	1929	1930	1931	1928	1929	1930	1931
Total	128,325	141,182	116,812	74,300	134,204	150,653	122,283	82,586
Agate Bay, Minn	174	184	101	67	6,432	7,416	7,102	3,742
Alpena, Mich	247	289	252	207	1,578	1,623	1,483	1,412
Ashland, Wis	734	856	786	590	7,259	8,535	5,655	3,259
Ashtabula, Ohio	7,100	8,938	6,451	2,123	4,213	3,435	4,323	4,021
Buffalo, N. Y	16,213	15,277	12,487	9,695	3,335	2,689	2,572	2,359

No. 422.—Great Lakes, Commerce of the Principal Ports—Continued

Port	Receipts				Shipments			
	1928	1929	1930	1931	1928	1929	1930	1931
Calcite, Mich	138	125	93	40	11,137	10,694	8,660	3,753
Charlotte, N. Y. (Rochester)	174	150	149	138	1,319	1,458	925	851
Chicago, Ill.[1]	14,542	14,920	11,238	7,046	1,398	1,417	1,561	2,472
Cleveland, Ohio	11,905	14,059	9,620	4,683	1,363	2,626	2,198	1,953
Conneaut, Ohio	9,283	9,572	8,570	4,246	1,845	2,874	2,247	1,426
Detroit, Mich	3,310	4,628	4,847	3,194	676	787	297	308
Duluth-Superior	11,733	12,130	11,247	8,766	41,471	48,256	34,480	17,692
Erie, Pa	1,310	2,301	1,905	1,269	874	963	2,496	2,416
Escanaba, Mich	196	185	222	154	6,111	7,116	4,543	1,784
Fairport, Ohio	3,524	3,737	3,071	1,719	2,132	1,575	840	529
Frankfort, Mich	874	925	787	607	777	851	663	480
Gary, Ind	7,216	8,728	6,723	3,997	16	102	190	60
Grand Haven, Mich	627	589	444	365	742	715	543	447
Green Bay, Wis	1,348	1,474	1,510	1,374	278	311	299	6
Huron, Ohio	1,140	1,315	1,005	489	754	781	903	828
Indiana Harbor, Ind	5,649	6,189	5,211	3,012	1,091	1,302	1,294	1,406
Kewaunee, Wis	227	302	221	168	254	269	239	207
Keweenaw Waterway, Mich	703	825	803	493	70	40	22	22
Lorain, Ohio	4,421	4,804	3,422	2,266	2,163	2,328	2,028	1,468
Ludington, Mich	1,075	1,038	862	222	1,507	1,634	1,351	1,541
Manistique, Mich	81	109	123	88	168	156	151	85
Manitowoc, Wis	1,490	1,553	1,308	1,083	830	797	606	503
Marquette Harbor, Mich	207	180	193	162	852	981	617	450
Marquette Bay, Mich			1		2,979	4,016	2,706	1,372
Menominee, Mich. and Wis	534	568	484	409	247	254	196	173
Milwaukee, Wis	6,197	6,698	6,122	4,840	1,787	1,866	1,581	1,682
Muskegon, Mich	486	523	535	583	153	449	134	94
Ogdensburg, N. Y	563	529	508	404	895	687	562	460
Rockport, Mich	16	17	9	5	1,986	1,790	1,092	519
Rouge River, Mich	4,478	5,725	4,472	3,270	117	187	404	420
Sandusky, Ohio	105	63	50	41	7,145	9,710	7,961	6,498
Sault Ste. Marie, Mich	834	821	760	494	4	2	(2)	(2)
Sheboygan, Wis	438	431	418	368	10	10	7	11
Sturgeon Bay, Wis	23	25	26	27	473	1,038	763	210
Toledo, Ohio	2,745	3,538	3,553	1,439	15,795	16,179	15,970	13,133
Tonawanda, N. Y.[3]	317	407	287	56	2	79	31	2
Wyandotte, Mich	1,477	1,759	1,577	1,349	11	26		23
All other	4,471	4,694	4,359	2,752	1,959	2,627	2,588	2,509

[1] Includes Chicago Harbor, Chicago River and Calumet Harbor.

[2] Less than 500 tons.

[3] By lake and Niagara River.

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

No. 423.—NEW YORK STATE CANALS: Tonnage of Freight Moved

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

Yearly average	All canals	Erie division	Yearly average or year	All canals	Erie division			
					Total freight	Grain	Sand, gravel, stone	Petroleum
1837–1840	1,339,016	771,741	1911–1915	2,448,837	1,626,451			
1841–1845	1,613,317	884,522	1916–1920	1,348,365	798,706			
1846–1850	2,781,410	1,556,696	1921–1925	1,905,291	1,548,408	630,453	333,250	191,406
1851–1855	3,976,501	2,141,476	1926–1930	2,904,575	2,397,042	933,602	282,649	397,328
1856–1860	3,911,407	1,889,759	1924	2,032,317	1,691,766	698,246	365,266	237,018
1861–1865	5,049,341	2,743,929	1925	2,344,013	1,945,466	916,441	339,713	262,331
1866–1870	5,987,724	3,018,359	1926	2,369,367	1,935,278	795,598	287,189	263,202
1871–1875	5,974,097	3,326,073	1927	2,581,892	2,047,774	791,037	325,076	327,616
1876–1880	5,219,888	3,542,020	1928	3,089,998	2,535,684	1,118,788	307,642	343,593
1881–1885	5,210,389	3,495,590	1929	2,876,160	2,422,204	810,385	229,047	398,831
1886–1890	5,281,441	3,589,631	1930	3,605,457	3,044,271	1,152,200	264,292	653,399
1891–1895	4,112,061	2,962,528	1931	3,722,012	3,277,936	1,149,471	202,978	781,867
1896–1900	3,544,951	2,446,065	1932	3,643,433	3,186,094	1,039,698	130,674	880,095
1901–1905	3,335,210	2,144,492						
1906–1910	3,238,129	2,206,595						

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

No. 424.—ST. MARYS FALLS CANAL (SAULT STE. MARIE): General Traffic Statistics

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

Season	Freight carried (1,000 short tons of 2,000 pounds)					Total ton-miles (millions)	Freight charges		Valuation of freight (millions of dollars)
	Total	Eastbound	Westbound	By American vessels	By Canadian and other foreign vessels		Amount (1,000 dollars)	Average per ton per mile (mills)	
1890	9,041	6,429	2,612	8,679	362	7,207	9,472	1.30	102
1895	15,063	12,030	3,033	14,497	566	12,503	14,239	1.14	160
1900	25,643	20,532	5,111	24,896	747	21,179	24,953	1.18	267
1905	44,271	36,779	7,492	42,061	2,210	36,893	31,421	.85	417
1910	62,363	47,134	15,229	58,569	3,794	52,406	38,711	.74	654
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71	882
1918	85,680	66,285	19,395	80,958	4,722	70,108	83,508	1.19	987
1919	68,236	52,832	15,404	63,408	4,828	55,612	58,479	1.05	915
1920	79,282	63,464	15,818	74,866	4,416	64,702	85,742	1.33	1,120
1921	48,259	32,113	16,146	43,016	5,243	38,043	43,344	1.14	746
1922	66,067	55,020	11,047	60,812	5,255	53,564	64,154	1.20	957
1923	91,380	71,236	20,144	83,795	7,585	73,218	80,843	1.10	1,026
1924	72,037	56,840	15,197	65,447	6,590	58,579	59,769	1.02	1,080
1925	81,875	67,305	14,570	75,764	6,111	65,577	71,093	1.08	1,118
1926	85,679	69,530	16,149	78,006	7,673	69,360	78,517	1.13	1,064
1927	83,354	64,393	18,961	76,091	7,264	67,387	69,331	1.03	1,132
1928	86,993	70,166	16,827	78,072	8,921	70,259	81,281	1.16	1,183
1929	92,622	74,840	17,782	85,839	6,783	74,881	80,268	1.07	1,000
1930	72,898	57,067	15,831	67,560	5,338	59,058	61,159	1.04	761
1931	44,614	32,687	11,927	38,554	6,060	36,342	37,030	1.02	522
1932	20,481	11,822	8,659	14,274	6,207	17,091	16,063	.94	355

	1910	1915	1920	1925	1930	1931	1932
Passengers carried ... number	66,933	50,336	68,451	56,956	45,303	33,606	20,241
Freight, eastbound ... 1,000 tons	**47,134**	**56,369**	**63,464**	**67,305**	**57,067**	**32,687**	**11,822**
Flour ... 1,000 bbls	7,576	8,437	7,478	9,289	8,532	8,576	7,116
Wheat ... 1,000 bus	86,260	255,482	143,456	292,818	243,927	189,090	207,224
Other grain ... do	39,243	64,755	51,630	149,927	55,434	56,303	39,616
Lumber ... 1,000 ft. b. m	603,101	456,451	192,854	186,486	150,986	143,209	77,664
Iron ore ... 1,000 short tons	41,600	45,212	56,643	53,821	46,990	24,222	3,607
All other ... do	380	506	176	222	351	403	217
Freight, westbound ... 1,000 tons	**15,229**	**14,921**	**15,818**	**14,570**	**15,831**	**11,927**	**8,659**
Coal ... do	13,514	13,357	14,156	12,874	14,059	10,403	7,375
All other ... do	1,715	1,564	1,662	1,696	1,772	1,524	1,284

No. 425.—OHIO RIVER TRAFFIC: Tonnage, Ton-mileage, and Freight

Note.—Figures exclude ferry traffic. In 1931 the tons of freight carried on ferries were reported as 1,583,369 but the hauls, of course, are very short. The passengers carried other than on ferries for 1931 were 1,429,751. Leaders indicate data not available

Year	Freight carried	Ton-miles	Value of freight	Year	Freight carried	Ton-miles	Value of freight
	1,000 short tons	*Thousands*	*1,000 dollars*		*1,000 short tons*	*Thousands*	*1,000 dollars*
1919	5,004	604,751	88,912	**1930—Total**	**22,337**	**1,473,927**	**188,245**
1920	9,382	1,183,915	223,443	Up	3,403	----------	22,525
1921	7,308	844,895	93,275	Down	6,635	----------	49,163
1922	6,292	807,793	144,796	Inbound	8,854	----------	85,381
1923	8,281	----------	110,022	Outbound	3,445	----------	31,176
1924	10,867	----------	128,356				
1925	15,737	825,497	151,622	**1931—Total**	**18,071**	**1,486,445**	**166,987**
1926	19,755	----------	150,086	Up	2,529	----------	19,083
1927	20,129	1,214,491	168,423	Down	5,142	----------	31,169
1928	20,938	1,344,687	191,519	Inbound	7,221	----------	57,097
1929	21,955	1,512,535	192,308	Outbound	3,180	----------	59,639

Source of Tables 424 and 425: Annual Report of the Chief of Engineers, United States Army.

No. 426.—LOWER MISSISSIPPI RIVER TRAFFIC: FREIGHT BY SECTIONS, AND PETROLEUM AT BATON ROUGE

NOTE.—In short tons of 2,000 pounds. Each section of the river is treated separately and some of the traffic of each is duplicated in others. The section "Between Ohio and Illinois Rivers" for 1923 to 1927 was reported as "Between Ohio and Missouri Rivers." Ferry traffic is not included

Year	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans		Petroleum, Baton Rouge	
	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound to	Down-bound from
1923	263,729	459,339	395,828	652,494	724,053	727,884	1,583,880	3,909,417	746,381	2,614,074
1924	300,009	438,719	528,431	624,590	917,475	748,965	1,589,202	6,044,075	766,463	3,872,316
1925	420,246	583,323	651,002	1,037,652	1,391,234	1,821,025	1,363,254	7,738,396	467,616	5,359,639
1926	420,379	585,600	732,729	927,459	1,165,142	3,627,638	1,462,325	9,612,163	529,590	6,116,517
1927	448,459	659,743	839,718	1,304,599	1,371,134	2,986,963	1,727,352	7,089,393	354,117	4,447,025
1928	474,173	956,010	855,631	1,675,625	1,856,842	2,946,998	1,680,541	6,974,085	379,942	4,601,718
1929	309,986	581,770	699,019	1,629,315	1,362,443	1,472,617	1,530,519	6,196,864	465,521	3,830,807
1930	341,158	585,799	726,417	2,104,930	949,015	1,428,553	2,540,936	6,636,769	206,187	3,566,642
1931	467,685	835,349	1,277,699	2,558,516	1,040,689	1,362,837	2,453,457	6,335,923	310,849	3,681,823

	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	1930	1931	1930	1931	1930	1931	1930	1931
Upbound	**341,158**	**467,685**	**726,417**	**1,277,699**	**949,015**	**1,040,689**	**2,540,936**	**2,453,457**
Coffee	11,430	25,988	13,618	34,277	19,820	44,766	21,927	46,786
Sugar	93,732	98,810	221,753	294,640	312,690	349,500	352,059	383,127
Sisal	13,444	25,366	18,846	28,486	17,533	28,486	17,533	28,496
Burlap and bagging	18,154	19,145	23,158	21,861	30,918	26,580	31,730	27,640
Logs, barged	29,880	----------	76,061	24,950	65,714	81,127	44,883	11,905
Petroleum and products	303	1,273	24,033	38,263	15,312	67,577	1,718,142	1,669,772
Receipts at Baton Rouge	----------	----------	----------	----------	----------	----------	206,187	310,849
Shipments from Baton Rouge	----------	----------	----------	----------	----------	----------	----------	114,608
Gravel and sand	4,950	2,400	138,800	231,060	142,021	43,660	----------	443
Cement	36,079	3,584	760	10,348	----------	129	394	180
Bauxite ore	128	3,240	----------	3,240	----------	3,240	----------	3,240
Sulphur	21,280	19,813	85,886	48,376	85,886	45,826	85,886	45,866
All other	111,778	268,066	123,502	542,198	259,121	349,798	268,382	236,002
Downbound	**585,799**	**835,349**	**2,104,930**	**2,558,516**	**1,428,553**	**1,362,837**	**6,636,769**	**6,335,923**
Wheat	123,056	129,414	168,298	129,424	174,802	139,474	174,802	139,474
Corn	9,378	7,256	9,390	9,754	9,380	9,724	9,431	9,743
Fruits and vegetables	15,712	16,883	42,348	48,864	30,623	39,186	25,609	34,864
Tobacco	28	----------	1,274	2,961	17,208	13,507	17,226	13,537
Cotton, raw	----------	14	6	3,588	59,490	92,708	109,201	202,483
Logs, barged	17,673	957	58,200	103,694	67,145	42,561	143,469	8,345
Logs, rafted or floated	1,138	15,929	65,500	77,409	97,561	72,888	61,577	98,145
Coal and coke	17,578	24,898	142,075	149,505	68,599	28,194	5,396	1,105
Petroleum and products	4,739	11,361	2,155	4,459	22,224	12,943	5,699,282	5,534,645
Receipts at Baton Rouge	----------	----------	----------	----------	----------	----------	624,109	619,397
Shipments from Baton Rouge	----------	----------	----------	----------	----------	----------	3,566,642	3,681,823
Stone	230,730	317,095	129,193	397,506	47,550	96,887	7,307	3,010
Gravel and sand	17	5,900	511,199	452,280	290,998	324,139	44,568	26,336
Cement	13,635	131,349	48,815	153,888	5,503	13,930	8,754	1,395
Iron and steel products	43,268	40,225	493,733	383,741	131,962	105,370	116,055	90,489
Machinery	20,888	4,121	33,234	63,930	87,330	42,397	30,083	9,702
All other	87,959	129,947	399,510	577,513	318,178	328,929	184,009	162,650

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

No. 427.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 372. All data after 1840 are as of June 30

Year	Number			Thousands of gross tons			Tonnage (thousands of gross tons) employed in—			
	Total	Steam and motor	All other[1]	Total	Steam and motor	All other[1]	Foreign trade	Coastwise and internal trade	Whale fisheries	Cod and mackerel fisheries
1789[2]	--------	--------	--------	202	--------	202	124	69	--------	9
1800[2]	--------	--------	--------	972	--------	972	667	272	3	29
1810[2]	--------	--------	--------	1,425	--------	1,425	981	405	4	35
1820[2 3]	--------	--------	--------	1,280	--------	1,280	584	588	36	72
1830[2 3]	--------	--------	--------	1,192	64	1,127	538	517	40	98
1840[4]	--------	--------	--------	2,181	202	1,978	763	1,177	137	104
1850	--------	--------	--------	3,535	526	3,010	1,440	1,798	146	152
1860	--------	--------	--------	5,354	868	4,486	2,379	2,645	167	163
1870	28,998	3,524	25,474	4,247	1,075	3,171	1,449	2,638	68	91
1880	24,712	4,717	19,995	4,068	1,212	2,856	1,314	2,638	38	78
1890	23,467	5,965	17,502	4,424	1,859	2,565	928	3,409	19	68
1900	23,333	7,053	16,280	5,165	2,658	2,507	817	4,287	10	52
1910	25,740	12,452	13,288	7,508	4,900	2,608	783	6,669	9	47
1915	26,701	15,948	10,753	8,389	5,944	2,446	1,863	6,486	9	32
1920	28,183	18,814	9,369	16,324	13,823	2,501	9,925	6,358	4	38
1921	28,012	19,071	8,941	18,282	15,745	2,537	11,077	7,163	4	37
1922	27,358	18,960	8,398	18,463	15,982	2,481	10,720	7,703	4	36
1923	27,017	18,946	8,071	18,285	15,821	2,463	9,069	9,177	4	35
1924	26,575	18,750	7,825	17,741	15,315	2,425	8,794	8,911	3	32
1925	26,367	18,637	7,730	17,406	14,976	2,430	8,151	9,216	4	35
1926	26,343	18,689	7,654	17,311	14,848	2,463	7,719	9,552	3	38
1927	25,778	18,384	7,394	16,888	14,507	2,381	7,309	9,533	8	38
1928	25,385	18,270	7,115	16,683	14,347	2,336	6,934	9,706	7	36
1929	25,326	18,319	7,007	16,477	14,162	2,315	6,906	9,526	7	39
1930	25,214	18,211	7,003	16,068	13,757	2,311	6,296	9,723	7	42
1931	25,471	18,236	7,235	15,908	13,528	2,380	5,576	10,286	7	40
1932	25,156	18,224	6,932	15,839	13,568	2,271	5,071	10,728	2	38

Classes	Number					Thousands of gross tons				
	1910	1920	1930	1931	1932	1910	1920	1930	1931	1932
By utilization:										
Registered—										
Foreign trade	1,490	5,932	4,175	3,944	3,866	783	9,925	6,296	5,574	5,071
Whale fisheries	36	26	14	18	12	9	4	7	9	2
Enrolled—										
Coasting and internal trade	13,654	12,181	12,497	12,971	12,726	6,555	6,233	9,608	10,170	10,612
Cod and mackerel fisheries	395	196	261	262	247	39	32	36	34	32
Licensed—										
Coasting and internal trade	9,328	9,463	8,004	8,023	8,056	114	124	115	115	116
Cod and mackerel fisheries	837	385	263	253	249	8	6	6	6	6
By location:										
Atlantic and Gulf[5]	17,084	16,850	14,321	14,535	14,377	3,523	9,739	9,904	9,869	10,678
Pacific[6]	3,574	6,512	6,466	6,527	6,533	937	3,326	3,227	3,089	3,115
Northern lakes	3,273	3,091	2,450	2,441	2,272	2,895	3,139	2,758	2,766	1,857
Western rivers	1,809	1,730	1,977	1,968	1,974	154	120	178	184	189
By power:										
Sail	8,947	4,030	1,584	1,447	1,342	1,655	1,272	757	673	625
Steam[7]	12,452	8,103	6,087	5,890	5,776	4,900	13,466	12,775	12,475	12,499
Motor[7]	--------	10,711	12,124	12,346	12,448	--------	357	982	1,053	1,069
Canal boats	674	448	226	203	176	74	52	29	26	23
Barges	3,667	4,891	5,193	5,585	5,414	878	1,177	1,525	1,681	1,623
By material:										
Wood	23,527	23,781	20,211	20,437	20,069	3,391	3,876	2,554	2,565	2,417
Metal	2,213	4,402	5,003	5,034	5,087	4,117	12,448	13,514	13,344	13,421

[1] Sailing vessels, canal boats, and barges. [2] Dec. 31.
[3] The decrease of tonnage arises principally from the registered tonnage having been corrected in 1818, 1829, and 1830 by striking off all vessels the registers of which were granted prior to 1815, which were supposed by the collectors to have been lost at sea, captured, etc.
[4] Sept. 30.
[5] Including Puerto Rico in all years shown and Virgin Islands beginning 1920.
[6] Including Hawaii and Alaska. [7] Motor vessels included in steam in 1910.

Source: Reports of the Commissioner of Navigation.

No. 428.—UNITED STATES MERCHANT MARINE: Larger Seagoing Vessels, by Classes and Size, as of July 1

Note.—For definition of "gross ton" see general note, p. 372. The number and tonnage reached their maximum in 1921

	Number					Thousands of gross tons				
	1921	1925	1930	1931	1932	1921	1925	1930	1931	1932
Vessels of 500 gross tons or over, total	**3,723**	**3,143**	**2,409**	**2,265**	**2,217**	**13,234**	**12,056**	**10,482**	**10,132**	**10,134**
Private ownership	1,925	1,925	1,931	1,868	1,855	5,241	6,217	7,818	7,893	8,045
Shipping Board [1]	1,798	1,218	478	397	362	7,994	5,840	2,664	2,239	2,089
Steam and motor	2,888	2,432	1,949	1,882	1,867	12,216	11,143	9,854	9,610	9,653
Sailing and unrigged	835	711	460	383	350	1,019	913	629	523	480
Foreign trade	2,559	1,702	1,117	1,001	928	10,621	7,517	5,009	5,489	5,277
Coasting trade	1,164	1,441	1,292	1,264	1,289	2,614	4,539	5,474	4,644	4,857
Steel	2,549	2,394	1,927	1,865	1,853	11,441	11,141	9,871	9,635	9,682
Wood	1,174	749	482	400	365	1,793	916	611	498	451
Power vessels of 1,000 gross tons and over, total	**2,752**	**2,322**	**1,858**	**1,789**	**1,778**	**12,116**	**11,061**	**9,785**	**9,539**	**9,586**
Steel	2,387	2,243	1,806	1,741	1,733	11,210	10,913	9,693	9,456	9,511
Wood	365	79	52	48	45	906	147	92	83	75
Passenger	238	193	200	199	212	1,271	1,227	1,348	1,386	1,507
Freight	2,145	1,739	1,273	1,194	1,171	8,620	7,477	6,023	5,609	5,530
Tank	351	375	371	382	381	2,124	2,274	2,339	2,470	2,474
Refrigerator	18	15	14	14	14	101	83	75	75	75
Steam engine	2,697	2,259	1,743	1,670	1,659	11,984	10,869	9,273	8,982	9,028
Oil burning	1,595	1,720	1,498	1,439	1,436	8,240	8,875	8,202	7,958	8,043
Coal burning	1,102	559	245	231	223	3,744	1,994	1,071	1,024	985
Oil engine (internal-combustion)	55	63	115	119	119	132	192	513	557	558
Size—gross tons:										
1,000 to 1,999	151	137	114	108	107	234	208	172	164	158
2,000 to 2,999	879	569	268	251	246	2,209	1,403	668	628	609
3,000 to 3,999	362	285	179	171	170	1,232	1,011	606	578	576
4,000 to 4,999	199	213	198	188	192	922	994	915	871	903
5,000 to 5,999	558	345	489	444	438	3,110	2,210	2,716	2,481	2,434
6,000 to 6,999	337	504	318	322	310	2,149	2,818	2,044	2,013	2,006
7,000 to 7,999	158	149	144	140	140	1,164	1,099	1,059	1,027	1,030
8,000 to 8,999	54	56	64	69	75	451	468	534	578	630
9,000 to 9,999	10	22	32	40	40	96	240	303	387	376
10,000 and over	44	42	52	56	60	548	611	767	812	863

[1] One thousand gross tons or over; the Shipping Board fleet is almost wholly of such vessels.

No. 429.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: Years Ended June 30

Yearly average or year	Number	Gross tons	Year	Number	Gross tons
1797-1800	----------	72,574	1914	1,151	316,250
1801-1810	----------	[1] 102,452	1915	1,157	225,122
1811-1820	----------	89,797	1916	937	325,413
1821-1830	790	89,372	1917	1,297	664,479
1831-1840	924	118,960	1918	1,528	1,300,868
1841-1850	1,195	185,309	1919	1,953	3,326,621
1851-1860	1,466	366,603	1920	2,067	3,880,639
1861-1870	1,654	299,602	1921	1,361	2,265,115
1871-1880	1,455	253,800	1922	845	661,232
1881-1890	1,056	230,197	1923	770	335,630
1891-1900	1,055	235,699	1924	1,049	223,968
1901-1910	1,311	418,178	1925	967	199,846
1911-1920	1,449	1,090,938	1926	924	224,673
1921-1925	998	737,158	1927	917	245,144
1926-1930	928	222,054	1928	969	257,180
1910	1,361	342,068	1929	808	128,976
1911	1,422	291,162	1930	1,020	254,296
1912	1,505	232,669	1931	1,302	386,906
1913	1,475	346,155	1932	722	212,892

[1] Nine-year average, there being no record of the tonnage for 1802.

Source of Tables 428 and 429: Reports of the Commissioner of Navigation.

No. 430.—VESSELS BUILT IN UNITED STATES: By Classes and Regions

Note.—For definition of "gross ton" see general note p. 372. Data are for years ended June 30

Class and where built	1901–1910, average	1911–1915, average	1916–1920, average	1921–1925, average	1926–1930, average	1930	1931	1932
BUILT AND DOCUMENTED IN THE UNITED STATES								
Total ..... number	1,311	1,342	1,556	998	928	1,020	1,302	722
Gross tons	418,178	282,272	1,899,604	737,190	222,054	254,296	386,906	212,892
Sailing ..... number	300	70	82	38	9	8	4	2
Gross tons	59,857	16,339	70,599	27,685	365	210	52	18
Steam and motor ..... number	681	911	1,111	697	646	677	682	523
Gross tons	287,593	200,669	1,734,296	639,341	148,737	172,969	212,996	164,620
Canal boats ..... number	46	36	19	9	5	.....	1	.....
Gross tons	5,022	4,099	2,613	1,043	952	.....	258	.....
Barges ..... number	284	325	344	254	268	335	615	197
Gross tons	65,705	61,164	92,096	69,121	71,999	81,117	173,600	48,254
Metal ..... gross tons	270,852	181,166	1,511,043	631,109	151,808	167,081	212,203	174,794
Wood ..... do	147,326	101,106	388,561	106,081	70,246	87,215	174,703	38,098
Gross tons built on:								
New England coast	59,491	21,474	112,835	45,913	10,874	18,601	26,639	52,163
Middle Atlantic and Gulf coasts	130,226	149,941	833,438	442,721	123,600	143,656	287,884	133,625
Pacific coast	34,482	34,439	687,076	174,926	28,612	30,859	41,248	9,741
Northern lakes	184,724	69,794	260,138	58,317	45,292	54,365	19,535	11,813
Western rivers	9,256	6,623	6,117	15,313	13,676	6,815	11,600	5,550

BUILT FOR FOREIGNERS[1]

	1917	1918	1919	1920	1921	1922	1923	1926	1927	1928	1929	1930	1931	1932
Number	41	22	59	23	33	10	4	7	9	12	12	11	10	3
Gross tons	124,560	48,531	121,098	39,507	65,938	55,991	17,408	272	610	1,228	1,209	2,746	2,385	117

[1] None were built for foreigners in 1924 and 1925.

Source: Reports of the Commissioner of Navigation.

No. 431.—MERCHANT VESSELS LAUNCHED: World Total and United States

Note.—Vessels of 100 gross tons and over. For definition of "gross ton" see general note, p. 372. Vessels under construction Dec. 31, 1932, numbered 203 of 765,720 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	2,578,620	830	2,531,592	99	313,321
1926–1930, average	873	2,468,515	808	2,427,929	74	158,788
1922	851	2,467,084	745	2,425,729	59	119,138
1923	701	1,643,181	620	1,614,790	83	172,817
1924	924	2,247,751	838	2,200,741	79	139,463
1925	855	2,193,404	742	2,142,325	101	128,776
1926	600	1,674,977	525	1,630,134	78	150,613
1927	802	2,285,679	734	2,239,522	66	179,218
1928	869	2,699,239	809	2,660,321	63	91,357
1929	1,012	2,793,210	981	2,774,191	63	126,063
1930	1,084	2,889,472	991	2,835,476	100	246,687
1931	596	1,617,115	569	1,603,551	57	205,865
1932	307	726,591	295	724,287	18	143,559

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

Source: Lloyd's Register of Shipping.

No. 432.—MERCHANT MARINE OF THE WORLD AND THE UNITED STATES

NOTE.—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia are not included. Figures for Philippine Islands are included with United States beginning with 1910. See general note, p. 372

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	1928	66,955	14,633
1900	28,957	2,750	1924	64,024	15,957	1929	68,074	14,482
1905	35,998	3,996	1925	64,641	15,377	1930	69,608	14,046
1910	41,913	5,059	1926	64,784	14,879	1931	70,131	13,642
1915	49,262	5,893	1927	65,193	14,670	1932	69,734	13,547

	Number					Thousands of tons (see headnote)					
	1910	1920	1930	1931	1932	1910	1914	1920	1930	1931	1932
World total	**30,058**	**31,595**	**32,713**	**32,344**	**32,247**	**41,915**	**49,090**	**57,314**	**69,608**	**70,131**	**69,734**
Steam and motor	22,008	26,513	29,996	29,952	29,932	37,291	45,404	53,905	68,024	68,723	68,368
Steel and iron	20,403	23,382	27,595	27,681	27,635	36,769	44,934	51,661	67,304	68,074	67,737
Wood and composite	1,605	3,131	2,401	2,271	2,297	521	470	2,244	720	649	631
Sailing	8,050	5,082	2,717	2,392	2,315	4,624	3,686	3,409	1,584	1,408	1,366
Steel and iron	2,115	1,314	742	719	727	2,508	2,095	1,524	654	613	608
Wood and composite	5,935	3,768	1,975	1,673	1,588	2,116	1,590	1,885	930	795	758
United States	**3,469**	**5,457**	**4,223**	**4,007**	**3,946**	**5,059**	**5,368**	**16,049**	**14,046**	**13,642**	**13,547**
Steam and motor	1,712	4,110	3,517	3,386	3,351	3,827	4,330	14,574	13,202	12,892	12,820
Steel and iron	1,270	3,242	3,001	2,918	2,906	3,602	4,120	13,341	12,914	12,643	12,587
Wood and composite	442	868	516	468	445	226	210	1,234	288	249	233
Sailing	1,757	1,347	706	621	595	1,232	1,038	1,475	844	750	726
Steel and iron	139	154	147	142	140	245	236	304	288	272	272
Wood and composite	1,618	1,193	559	479	455	987	803	1,171	556	478	454

No. 433.—EXPENSES AND REVENUES OF THE PANAMA CANAL

Year ended June 30—	Transit operations					Business operations		
	Tolls	Taxes, licenses, fees, fines, postal receipts, etc.	Total transit revenues	Net canal transit expenses	Net revenues (surplus)	Business revenues	Business expenses	Net revenues (surplus)
1918	6,264,766	147,078	6,411,843	5,920,343	491,500	10,324,072	10,317,912	6,160
1919	6,156,119	197,898	6,354,017	6,112,195	241,822	13,684,881	13,623,854	61,027
1920	8,493,083	442,789	8,935,872	6,548,272	2,387,599	14,705,372	14,465,686	239,686
1921	11,261,919	778,197	12,040,117	9,328,300	2,711,817	15,232,317	14,668,106	564,211
Total, 1914 to 1921[1]	44,565,501	1,901,291	46,466,792	45,986,067	480,725	70,840,125	69,979,538	860,587
Adjusted status to 1921[1]	44,565,501	1,420,566	45,986,067	45,986,067		71,459,710	70,359,400	1,100,310
1922	11,193,383	192,209	11,385,592	7,919,018	3,466,575	7,747,228	7,423,968	323,259
1923	17,507,631	184,214	17,691,844	7,690,778	10,001,067	10,872,843	9,732,201	1,140,643
1924	24,289,603	392,251	24,681,854	8,373,905	16,307,949	12,968,777	12,067,153	901,624
1925	21,374,664	207,954	21,582,618	8,116,693	13,465,925	14,564,115	13,798,198	765,917
1926	22,927,456	217,680	23,145,137	7,993,468	15,151,668	15,874,478	15,033,168	841,310
1927	24,217,185	391,624	24,608,809	8,997,715	15,611,094	15,878,655	15,002,118	876,537
1928	26,943,513	232,533	27,176,046	8,951,201	18,224,845	16,929,247	16,192,528	736,719
1929	27,123,534	243,391	27,366,926	9,637,151	17,729,775	17,236,785	16,498,935	737,850
1930	27,077,117	349,255	27,426,373	9,343,921	18,082,452	19,865,895	19,104,924	760,972
1931	24,644,550	346,030	24,990,581	10,143,354	14,847,227	17,774,467	17,211,703	562,764
1932	20,706,568	327,444	21,034,013	9,839,212	11,194,801	17,530,215	16,973,119	557,095
Grand total	292,570,707	4,505,151	297,075,858	142,992,483	154,083,375	238,702,416	229,397,415	9,305,001

[1] To and including 1921 "Net revenues from business operations" shown in last column are included in "Taxes, licenses, etc.," "Total transit revenues," and "Net revenues from transit operations"; therefore the $480,725 shown under the latter is the net revenue to June 30, 1921, from all operations. In the adjusted total this item is transferred to "Surplus from business operations" by deducting from the amount shown in this column $379,862, which is added to "Business expenses." To "Business revenues," and to "Surplus from business operations," is also added $619,585 interest on public works in Panama and Colon received prior to June 30, 1921, but not taken up as a canal revenue.

Sources: Table 432, Lloyd's Register; Table 433, Report of the Governor of the Panama Canal.

No. 434.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: By Nationality of Vessel

Note.—See general note, p. 372. Net tonnage is according to Panama Canal measurement

Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
Total traffic:				
1915–1932, total	69,466	315,372	292,864	320,870
1917	1,803	5,799	5,627	7,059
1918	2,069	6,574	6,439	7,532
1919	2,024	6,125	6,173	6,917
1920	2,478	8,546	8,514	9,374
1921	2,892	11,416	11,277	11,599
1922	2,736	11,417	11,198	10,885
1923	3,967	18,606	17,508	19,568
1924	5,230	26,149	24,291	26,995
1925	4,673	22,855	21,401	23,959
1926	5,197	24,775	22,931	26,037
1927	5,475	26,228	24,229	27,748
1928	6,456	29,459	26,944	29,631
1929	6,413	29,838	27,127	30,663
1930	6,185	29,981	27,077	30,030
1931	5,529	27,792	24,645	25,083
1932	4,506	23,625	20,707	19,808
United States:				
1915–1932, total	30,917	150,951	140,325	157,237
1917	404	1,239	1,238	1,476
1918	567	1,704	1,714	2,098
1919	784	2,257	2,327	2,759
1920	1,129	3,791	3,806	4,547
1921	1,210	4,862	4,785	5,163
1922	1,095	4,972	4,867	4,951
1923	1,994	10,209	9,474	11,055
1924	2,947	15,807	14,483	16,654
1925	2,326	12,271	11,302	13,080
1926	2,432	12,565	11,540	13,711
1927	2,685	13,915	12,720	15,242
1928	2,753	13,753	12,646	14,249
1929	2,700	13,326	12,300	14,076
1930	2,885	14,534	13,221	14,499
1931	2,417	12,602	11,426	11,805
1932	1,917	10,791	9,749	8,835
British:				
1930	1,536	8,007	7,198	7,573
1931	1,390	7,518	6,581	5,971
1932	1,054	5,906	5,072	4,638
Norwegian:				
1930	371	1,660	1,410	1,808
1931	363	1,749	1,404	1,720
1932	311	1,530	1,215	1,427
Japanese:				
1930	163	803	851	1,010
1931	193	1,020	1,052	1,105
1932	179	980	992	1,032
Chilean:				
1930	46	164	154	106
1931	42	171	167	99
1932	5	9	8	6
Danish:				
1930	91	382	353	506
1931	120	611	520	606
1932	105	561	472	521
Dutch:				
1930	141	671	572	619
1931	125	579	473	478
1932	117	553	449	441
Peruvian:				
1930	2	9	10	13
1931	2	7	9	7
1932	3	3	4	5
French:				
1930	124	628	583	577
1931	110	610	523	508
1932	81	455	372	339
Swedish:				
1930	125	572	473	832
1931	111	528	425	722
1932	114	539	435	761
Spanish:				
1930	2	4	6	8
1931	9	23	22	27
1932	2	8	7	8
Italian:				
1930	66	429	385	264
1931	67	468	405	237
1932	67	479	414	215
German:				
1930	377	1,433	1,236	1,388
1931	369	1,412	1,204	1,262
1932	338	1,281	1,073	1,079
Miscellaneous:				
1930	256	684	625	827
1931	211	494	435	536
1932	213	528	445	501

No. 435.—COMMERCIAL TRAFFIC THROUGH PANAMA CANAL: By Direction

Note.—A to P=Atlantic to Pacific; P to A=Pacific to Atlantic. See also general note, p. 372

Years ended June 30—	Number of vessels	Thousands of gross tons	Thousands of net tons [1]	Thousands of cargo tons		
				Total	A to P	P to A
1918	2,069	9,371	6,574	7,532	2,639	4,893
1919	2,024	7,877	6,125	6,917	2,740	4,176
1920	2,478	11,060	8,546	9,374	4,093	5,282
1921	2,892	14,522	11,416	11,599	5,892	5,707
1922	2,736	14,361	11,417	10,885	5,496	5,389
1923	3,967	23,633	18,606	19,568	7,086	12,482
1924	5,230	33,412	26,149	26,995	7,860	19,135
1925	4,673	29,148	22,855	23,959	7,398	16,560
1926	5,197	31,673	24,775	26,037	8,037	18,000
1927	5,475	33,556	26,228	27,748	8,583	19,165
1928	6,456	37,203	29,459	29,631	8,310	21,321
1929	6,413	37,465	29,838	30,663	9,883	20,780
1930	6,185	37,431	29,981	30,030	9,476	20,555
1931	5,529	34,233	27,792	25,083	6,680	18,402
1932	4,506	28,771	23,625	19,808	5,635	14,173

[1] Panama Canal measurement.

Source of Tables 434 and 435: Report of the Governor of the Panama Canal.

No. 436.—CARGO TONNAGE THROUGH PANAMA CANAL: By Origin and Destination, Years Ended December 31

[In thousands of cargo tons of 2,240 pounds]

Origin and destination	Atlantic to Pacific			Origin and destination	Pacific to Atlantic		
	1930	1931	1932		1930	1931	1932
Grand total	8,064	5,974	4,889	**Grand total**	19,784	16,074	13,211
To W. coast United States [1]	3,536	2,826	2,249	To E. coast United States	11,144	8,666	6,220
To W. coast other N. America	479	412	323	To E. coast other N. America	1,072	985	767
To W. coast S. America	1,192	552	345	To Europe	7,401	6,317	6,149
To Asia	1,797	1,585	1,442	To Africa and S. America	167	[2] 106	[2] 76
To Australasia	1,061	598	530	**From W. coast United States, total** [1]	10,557	8,340	6,650
From E. coast United States, total	5,237	4,249	3,503	To E. coast United States	6,982	5,866	4,706
To W. coast United States [1]	2,804	2,288	1,798	To E. coast other N. America	204	203	173
To W. coast other N. America	78	76	65	To Europe	3,209	2,209	1,723
To W. coast S. America	311	174	76	To Africa and S. America	71	[2] 61	[2] 49
To Asia	1,739	1,541	1,399	**From W. coast other N. America, total**	2,372	2,188	2,952
To Australasia	305	170	166	To E. coast N. America	563	388	211
From E. coast other N. America, total	614	366	377	To Europe	1,786	1,773	2,718
To W. coast N. America	224	222	173	To Africa and S. America	23	28	23
To W. coast S. America	150	79	72	**From W. coast S. America, total**	4,953	3,692	2,228
To Asia	25	10	30	To E. coast United States	2,718	1,592	532
To Australasia	214	55	102	To E. coast other N. America	441	510	365
From Europe, total	2,013	1,205	877	To Europe	1,722	1,573	1,326
To W. coast N. America	756	535	431	To Africa and S. America	72	17	5
To W. coast S. America	728	295	183	**From Asia and Australasia, total**	1,902	1,854	1,382
To Asia and Australasia	529	375	263	To E. coast N. America	1,218	1,092	1,000
From E. coast S. America, Asia, and Africa, total	201	155	132	To Europe	684	762	382
				To E. coast S. America	1	------	(3)

[1] Including Hawaii. [2] Includes small tonnage to Asia. [3] Less than 500 tons.

No. 437.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: By Regions

Note.—The table covers all disasters involving damage or loss amounting to $300 or more. The figures exclude some reports of casualties to United States vessels received after the closing of the report for the year which are not distributed by regions. Casualties to United States vessels in the Panama Canal Zone are not included in the table; data for 1932 are as follows: Vessels involved, 2; tonnage, 10,537; property loss, $1,350; persons on board, 61; no loss of life

Yearly average or year ended June 30—	Number of vessels		Vessel capacity—1,000 tons		Losses—1,000 dollars		Persons on board		Lives lost
	Complete loss	Partial loss	Complete loss	Partial loss	To vessel	To cargo	Passengers	Crews	
Total:									
1905–1910	358	1,091	145	1,666	10,781	2,671	17,038	21,954	461
1911–1915	296	952	126	1,496	9,551	2,341	17,389	22,295	288
1916–1920	322	678	192	1,487	39,440	13,803	9,889	19,733	651
1921–1925	253	665	113	1,808	18,794	4,374	10,207	19,859	189
1926–1930	273	780	122	2,258	17,648	4,159	11,830	23,372	219
1931	220	445	54	1,378	12,153	1,816	7,019	15,520	139
1932	281	473	64	1,499	11,869	1,566	8,789	15,209	118
Atlantic, Gulf, and Pacific coasts:									
1921–1925	148	370	58	802	8,856	1,895	5,996	9,908	98
1926–1930	167	451	56	1,162	9,233	1,783	6,600	12,541	116
1931	127	233	24	598	6,401	1,519	3,209	7,167	82
1932	174	284	45	766	7,413	939	5,754	7,698	60
Great Lakes:									
1921–1925	20	92	11	357	1,894	192	1,491	2,586	25
1926–1930	20	90	15	315	2,433	318	1,433	2,388	31
1931	11	34	7	102	888	57	40	840	27
1932	16	23	4	71	707	4	57	472	2
Rivers of the United States:									
1921–1925	45	86	7	160	1,815	127	820	1,881	12
1926–1930	54	103	5	224	1,542	110	1,548	2,414	14
1931	60	68	11	168	1,639	43	1,165	2,050	10
1932	67	74	11	179	1,788	104	94	1,730	33
At sea and on foreign coasts:									
1921–1925	39	118	36	490	6,230	2,161	1,900	5,484	55
1926–1930	32	136	45	557	4,440	1,947	2,250	6,029	58
1931	22	110	12	509	3,224	197	2,605	5,463	20
1932	24	92	4	483	1,961	518	2,884	5,309	23

Sources: Table 436, Panama Canal Record; Table 437, U. S. Coast Guard, Treasury Department.

No. 438.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: As of December 31

NOTE.—For definition of deadweight tons see general note, p. 372. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

Origin and class	1931	1932	
	Deadweight tons	Number	Deadweight tons
Grand total	3,133,010	[1] 356	[1] 3,071,610
ORIGIN			
Requisitioned steel	568,323	60	544,937
Contract steel	2,410,440	273	2,379,926
Contract wood or concrete	7,500	[2] 4	
Purchased	92,798	11	92,798
Seized enemy	53,949	5	53,949
All other		[2] 3	
CLASS			
Steel	3,125,510	[1] 352	[1] 3,071,610
Cargo (completed)	3,003,809	334	2,949,909

Class	1931	1932	
	Deadweight tons	Number	Deadweight tons
Steel—Continued.			
Cargo and passenger	42,024	4	42,024
Refrigerators	70,277	10	70,277
All other	9,400	[2] 4	9,400
Wood, composite, and concrete	7,500	[2] 4	
Active steel	1,123,077	97	858,697
Cargo	1,123,077	94	858,697
All other		[2] 3	
Inactive steel	2,002,433	255	2,212,913
Cargo	1,890,132	241	2,100,612
Cargo and passenger	42,024	4	42,024
Refrigerators	70,277	10	70,277

[1] Includes 117 vessels of 1,032,924 deadweight tons, sold for scrapping, in process of delivery; also 7 vessels of 65,236 deadweight tons returned to Board during year.
[2] Tugs.
[3] Includes 3 steel tugs.

No. 439.—CARGO TONNAGE OF FOREIGN AND INTERCOASTAL COMMERCE

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

	Total United States ports [1]			Atlantic coast ports			Gulf coast ports		
	1929	1930	1931	1929	1930	1931	1929	1930	1931
Total commerce	[2] 123,320	[2] 111,053	[2] 87,567	63,148	56,473	45,340	24,358	20,590	16,742
Inbound	63,770	59,229	45,615	42,959	40,136	32,626	7,298	5,448	4,115
Outbound	70,101	60,868	49,228	20,189	16,337	12,714	17,060	15,142	12,627
With foreign countries [3]	108,460	97,294	75,913	52,631	47,167	37,542	22,829	19,030	15,424
Imports	50,985	47,563	35,864	35,437	33,225	26,745	6,754	4,801	3,555
Exports	57,475	49,731	40,049	17,194	13,942	10,797	16,075	14,229	11,869
Intercoastal				9,498	8,050	6,448	1,053	994	827
Inbound	10,551	9,044	7,276	6,931	6,073	4,962	456	429	367
Outbound	10,551	9,044	7,276	2,567	1,977	1,486	597	565	460
With noncontiguous territories [4]	4,309	4,715	4,378	1,019	1,256	1,350	476	566	491
Imports	2,234	2,622	2,475	591	838	919	88	218	193
Exports	2,075	2,093	1,903	428	418	431	388	348	298

	Pacific coast ports			Great Lakes ports			Ports in all territories and possessions [5]		
Total commerce	30,143	26,807	21,750	16,222	16,227	11,011	[6] 8,060	[6] 8,156	[6] 7,363
Inbound	7,904	7,013	5,366	5,609	6,632	3,508	[6] 4,473	[6] 4,143	[6] 3,586
Outbound	22,239	19,794	16,384	10,613	9,595	7,503	[6] 3,587	[6] 4,013	[6] 3,777
With foreign countries [3]	16,778	14,870	11,937	16,222	16,227	11,010	[6] 631	[6] 575	[6] 430
Imports	3,185	2,905	2,056	5,609	6,632	3,508	[6] 578	[6] 530	[6] 371
Exports	13,593	11,965	9,881	10,613	9,595	7,502	[6] 53	[6] 45	[6] 59
Intercoastal	10,551	9,044	7,276			1			
Inbound	3,164	2,542	1,947						
Outbound	7,387	6,502	5,329			1			
With noncontiguous territories [4]	2,814	2,893	2,537				[1] 7,429	[1] 7,581	[1] 6,933
Imports	1,555	1,566	1,363				[1] 3,895	[1] 3,613	[1] 3,215
Exports	1,259	1,327	1,174				[1] 3,534	[1] 3,968	[1] 3,718

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

Source of Tables 438 and 439: United States Shipping Board.

No. 440.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS

NOTE.—In thousands of cargo tons of 2,240 pounds. This and the following tables do not include cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity

	Imports in vessels of—					Exports in vessels of—				
	Total	U. S. Shipping Board	Independent American	British	Other	Total	U. S. Shipping Board	Independent American	British	Other
Total:										
1921	33,185	4,835	18,620	9,730		48,640	7,329	11,228	30,083	
1922	44,682	5,269	22,665	8,600	8,148	42,502	6,644	10,205	14,109	11,544
1923	43,296	3,031	19,753	9,218	11,294	49,080	6,903	9,286	18,824	14,067
1924	40,899	2,663	19,630	8,406	10,200	52,261	6,663	11,653	18,867	15,078
1925	43,135	2,285	18,930	9,586	12,334	49,666	5,624	10,092	18,386	15,564
1926	44,686	2,888	18,217	10,702	12,879	68,140	5,591	11,531	28,269	22,749
1927	42,183	2,195	19,263	9,328	11,397	56,935	6,185	12,510	20,728	17,512
1928	47,395	2,063	22,124	10,591	12,617	58,829	5,071	14,217	21,147	18,394
1929	50,985	1,824	23,408	12,173	13,580	57,475	4,618	13,303	20,624	18,930
1930	47,562	1,429	23,394	10,451	12,289	49,731	3,236	11,678	17,210	17,607
1931	35,864	1,086	16,028	7,288	11,462	40,049	2,605	8,463	13,518	15,463
1932	28,710	633	12,691	5,940	9,446	31,845	1,698	6,449	10,712	12,985
Per cent distribution:										
1921	100.0	15	56	29		100.0	15	23	62	
1931	100.0	3	45	20	32	100.0	6	21	34	39
1932	100.0	2	44	21	33	100.0	5	20	34	41
Dry cargoes:										
1921	15,823	2,173	6,177	7,473		42,660	6,604	9,561	26,495	
1922	25,526	3,162	8,106	7,259	6,999	36,032	6,386	8,144	11,276	10,256
1923	27,962	2,724	8,253	7,531	9,454	39,592	6,713	7,104	13,985	11,790
1924	26,242	2,267	8,462	6,914	8,599	41,204	6,460	8,290	14,146	12,308
1925	30,352	2,077	9,692	8,064	10,519	39,298	5,467	6,592	14,387	12,852
1926	32,085	2,323	9,132	9,386	11,244	55,851	5,486	7,838	23,222	19,305
1927	30,740	2,027	10,381	8,165	10,167	43,416	5,986	8,617	15,449	13,364
1928	32,988	2,052	11,347	8,889	10,700	43,940	5,017	9,923	15,990	13,010
1929	34,318	1,817	11,018	10,013	11,470	42,698	4,610	9,664	15,827	12,597
1930	31,656	1,429	11,606	8,533	10,088	35,362	3,236	8,433	13,150	10,543
1931	23,094	1,086	7,294	5,740	8,974	28,202	2,605	6,173	10,533	8,891
Per cent distribution:										
1921	100.0	14	39	47		100.0	15	23	62	
1931	100.0	5	31	25	39	100.0	9	22	37	32
Tanker cargoes:										
1921	17,362	2,662	12,443	2,257		5,980	725	1,667	3,588	
1922	19,156	2,107	14,559	1,341	1,149	6,440	258	2,061	2,833	1,288
1923	15,334	307	11,500	1,687	1,840	9,488	190	2,182	4,839	2,277
1924	14,657	396	11,168	1,492	1,601	11,057	203	3,363	4,721	2,770
1925	12,783	208	9,238	1,522	1,815	10,368	157	3,500	3,999	2,712
1926	12,601	565	9,085	1,316	1,635	12,289	105	3,693	5,047	3,444
1927	11,443	168	8,882	1,163	1,230	13,519	199	3,803	5,279	4,148
1928	14,407	11	10,777	1,702	1,917	14,889	54	4,294	5,157	5,384
1929	16,667	7	12,390	2,160	2,110	14,777	8	3,639	4,797	6,333
1930	15,907	--------	11,788	1,918	2,201	14,369	--------	3,245	4,060	7,064
1931	12,770	--------	8,734	1,548	2,488	11,847	--------	2,290	2,985	6,572
Per cent distribution:										
1921	100.0	15	72	13		100.0	12	28	60	
1931	100.0	--------	68	12	20	100.0	--------	19	25	56
North Atlantic ports:										
1928	29,309	1,197	12,315	7,035	8,762	17,710	2,070	3,295	6,082	6,263
1929	33,807	1,278	14,224	8,436	9,869	16,278	1,896	2,976	5,499	5,907
1930	31,477	1,013	13,896	7,547	9,021	13,132	1,282	2,435	4,405	5,010
1931	25,349	794	10,388	5,292	8,874	10,205	1,098	1,903	3,007	4,198
South Atlantic ports:										
1928	1,615	202	438	318	657	707	156	78	191	282
1929	1,630	34	755	228	613	916	45	231	262	378
1930	1,748	46	878	267	557	810	49	218	275	268
1931	1,396	24	687	246	439	593	39	202	203	148
Gulf ports:										
1928	6,325	480	2,915	767	2,163	15,025	2,622	1,978	3,864	6,561
1929	6,754	508	3,286	994	1,966	16,075	2,657	2,115	4,480	6,823
1930	4,801	369	2,076	625	1,731	14,229	1,886	1,795	3,443	7,105
1931	3,555	268	1,535	375	1,378	11,869	1,451	1,661	2,450	6,307
Pacific ports:										
1928	3,027	184	1,088	821	934	13,441	223	4,103	4,250	4,865
1929	3,185	4	1,324	752	1,105	13,593	20	4,060	3,738	5,775
1930	2,905	1	1,200	729	975	11,965	19	3,624	3,105	5,217
1931	2,056	(1)	824	479	753	9,881	16	2,610	2,456	4,798
Great Lakes ports:										
1928	7,119	--------	5,368	1,650	101	11,946	--------	4,763	6,760	423
1929	5,609	--------	3,819	1,763	27	10,613	--------	3,921	6,645	47
1930	6,632	--------	5,344	1,283	5	9,595	--------	3,606	5,982	7
1931	3,509	--------	2,595	895	19	7,502	--------	2,087	5,403	12

[1] Less than 500 tons.

Source: Bureau of Research, United States Shipping Board.

No. 441.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY TRADE REGIONS AND INDIVIDUAL COUNTRIES

NOTE.—**In cargo tons of 2,240 pounds.** Note that a country may appear in part under one trade region and in part under another. Minor countries are omitted but their trade is included in regional totals

Foreign origin or destination	Imports			Exports		
	1929	1930	1931	1929	1930	1931
Grand total	50,985,224	47,562,416	35,864,286	57,475,357	49,730,870	40,049,246
United Kingdom	1,588,992	1,395,915	934,003	7,952,079	7,561,352	5,463,620
England	1,207,356	922,556	584,601	6,895,582	6,655,968	4,778,987
Ireland	4,326	9,379	7,033	447,416	412,780	274,923
Scotland	187,463	177,747	172,314	535,566	429,696	360,691
Wales	189,847	286,233	170,055	73,515	62,908	49,019
North Atlantic and Baltic Europe	1,566,824	1,739,162	1,279,519	1,899,633	1,619,315	1,456,656
Greenland	6,200	6,500	6,212	16	3	400
U. S. S. R. (Russia)	76,883	391,255	95,465	132,337	73,922	77,138
Finland	173,511	173,895	201,362	103,062	86,107	68,508
Norway	323,813	357,139	213,248	253,608	266,405	208,243
Sweden	909,477	742,752	699,871	443,853	491,616	390,043
Denmark	56,389	31,565	18,108	738,144	609,128	619,643
Danzig	14,284	18,673	27,534	140,697	35,858	13,344
Poland	822	15,163	8,541	759	5,600	7,760
Germany		6		51,402	34,977	63,577
Estonia		1,164	9,178			
Latvia				12,235	4,150	
Lithuania	3,833			23,520	11,549	8,000
Havre-Hamburg range	3,650,352	3,098,283	2,300,068	8,841,917	8,080,577	6,812,646
Germany	1,363,396	1,313,331	975,596	3,633,697	3,005,661	2,304,388
Netherlands	797,890	637,313	470,561	2,277,009	2,046,428	1,790,444
Belgium	1,242,365	942,438	703,620	1,338,028	1,423,567	1,332,432
France	246,701	205,201	150,291	1,593,183	1,604,921	1,385,382
South Atlantic Europe	622,394	529,605	389,499	874,429	855,045	739,733
France	43,900	37,669	19,677	385,215	403,278	443,819
Portugal	73,784	41,042	39,305	110,386	134,175	50,317
Spain	504,139	450,165	330,239	298,941	255,725	202,917
Azores Islands	413	203	214	13,680	3,738	2,053
Canary Islands	157	207	64	60,046	51,730	37,670
Madeira	1	319		6,161	6,399	2,957
West Mediterranean	1,023,363	1,011,058	573,782	2,832,541	2,388,669	1,769,292
Spain	194,884	206,571	102,428	389,023	327,834	275,634
France	96,013	89,389	49,581	502,547	439,717	431,412
Italy	499,403	409,059	281,229	1,752,454	1,399,832	928,744
Yugoslavia	13,035	6,677	6,941	18,985	23,771	6,648
Malta	67	12		19,443	8,720	6,641
Tunisia	26,837	24,938	153	30,869	26,140	20,950
Algeria	192,541	242,902	86,590	159,371	156,883	97,228
Morocco	1	31,510	46,860	9,849	5,772	2,035
East Mediterranean and Black Sea	688,964	731,988	858,267	660,936	535,489	419,134
Rumania	2,937	5,299	9,938	20,693	10,207	3,568
U. S. S. R. (Russia)	479,838	537,255	736,725	93,760	173,602	134,201
Turkey	41,973	47,310	32,169	24,333	14,958	4,708
Cyprus	4,032	2,233	1,276	388	1	
Greece	58,249	83,759	50,447	294,241	209,150	192,466
Egypt	86,834	49,276	20,697	195,009	110,085	74,157
Palestine	5,404	166	135	10,126	8,025	4,502
Syria	8,384	5,966	6,581	22,068	8,188	5,532
West Indies	12,479,722	11,240,957	8,996,201	3,540,988	3,130,073	2,035,949
Cuba	5,932,546	3,782,737	2,994,649	2,127,758	1,725,702	1,107,026
Jamaica	272,690	349,128	258,919	179,152	145,674	101,965
Bahama Islands	24,837	17,785	13,678	34,855	34,539	22,376
Haiti	36,260	35,452	24,134	72,639	59,522	49,213
Dominican Republic	146,391	133,683	134,832	123,959	86,017	65,404
Lesser Antilles	6,061,229	6,918,976	5,566,855	965,526	1,036,121	628,513
Bermudas	5,769	3,196	3,134	37,079	42,498	61,452
Mexico	2,536,705	2,087,990	1,672,513	602,179	582,378	377,709
Central America	1,546,085	1,205,201	1,060,916	1,389,205	1,188,061	962,803
British Honduras	79,358	46,236	18,643	12,900	14,378	14,512
Guatemala	202,121	147,183	121,186	119,604	71,309	60,396
Honduras	755,603	614,411	555,899	92,287	82,172	66,504
Nicaragua	145,847	105,247	79,173	54,637	48,215	37,666
Costa Rica	129,678	90,753	95,798	40,982	27,825	28,990
Panama	39,960	53,082	60,935	9,809	19,233	4,394
Canal Zone	180,870	134,476	121,879	987,833	867,596	726,386
El Salvador	12,648	13,813	7,403	71,153	37,333	23,955

No. 441.—Cargo Tonnage of Water-Borne Imports and Exports: By Trade Regions and Individual Countries—Continued

Foreign origin or destination	Imports			Exports		
	1929	1930	1931	1929	1930	1931
North Coast South America	6,991,897	6,014,781	5,102,783	488,063	332,133	173,308
Venezuela	4,871,067	3,603,541	3,059,657	265,912	174,831	93,870
British Guiana	173,202	124,624	135,424	17,794	14,218	5,282
Surinam (Netherland Guiana)	218,057	257,893	189,482	15,889	16,907	11,234
French Guiana	9	22	168	2,528	2,590	2,551
Colombia	1,729,562	2,028,701	1,718,052	185,940	123,587	60,371
East Coast South America	1,763,717	1,517,039	1,418,689	2,905,506	2,129,137	1,466,247
Brazil	784,645	753,221	795,800	992,102	707,730	673,325
Uruguay	56,503	51,511	29,177	300,351	262,210	143,495
Argentina	914,599	700,235	574,682	1,613,053	1,159,117	628,829
South Atlantic Islands	7,970	12,072	19,030	----------	80	20,598
West Coast South America	3,429,484	2,961,422	1,691,033	1,617,259	1,152,551	704,304
Colombia	20,438	23,756	34,158	52,076	24,776	16,857
Chile	2,926,790	2,463,742	1,441,350	1,238,852	921,823	566,848
Peru	329,365	306,691	86,468	288,337	184,852	94,115
Ecuador	152,891	167,233	129,057	37,994	21,100	26,484
West Africa	288,717	288,042	296,581	249,155	251,910	180,639
Morocco	36,803	20,869	13,725	46,756	52,458	21,763
Cape Verde Islands	67	21	30	2,832	5,699	2,140
Senegal	5,120	4,279	20	16,008	18,037	36,746
Sierra Leone	899	724	2,567	9,264	9,057	6,528
Liberia	371	263	156	2,849	1,636	923
Ivory Coast	22,997	24,732	20,874	8,895	8,978	7,587
Gold Coast	116,363	136,448	168,162	61,121	49,108	38,118
Togo	54	21	----------	4,296	3,400	3,009
Dahomey	2,077	2,484	3,488	6,963	6,834	4,571
Nigeria	87,011	72,102	65,593	46,675	48,201	28,845
Cameroons	2,706	1,399	397	6,432	7,215	4,626
Gabon	18	65	----------	2,982	6,395	2,260
Belgian Congo	13,133	23,340	21,389	11,371	13,573	9,296
Southwest Africa	1,000	1,275	80	6,250	6,020	3,318
Angola	1	8	86	9,685	8,212	6,016
South and East Africa	280,707	265,897	123,985	553,554	452,851	363,092
Union of South Africa	42,218	48,959	21,858	380,829	299,942	250,285
Mozambique	231,874	209,880	97,826	122,494	99,598	76,133
British East Africa	[1] 5,281	[1] 4,803	[1] 1,425	[1] 29,155	[1] 35,658	[1] 20,913
French Somaliland	945	913	2,876	1,014	1,593	3,542
Madagascar	263	1,342	----------	10,669	8,129	7,460
Mauritius Island	126	----------	----------	6,680	5,552	2,957
Australia and Antarctic Region	256,632	420,828	207,254	1,946,361	1,391,934	838,589
New Guinea	23,179	17,218	5,435	3,068	3,840	2,574
New Zealand	65,837	58,463	48,527	504,824	479,899	344,907
Australia	103,398	257,491	74,049	1,391,862	870,587	471,986
Fiji Islands	15,276	15,337	6,034	7,826	6,898	3,807
New Caledonia	23,510	41,215	28,780	6,603	2,351	1,311
Society Islands	11,893	9,181	11,294	10,921	8,487	6,142
Solomon Islands	3,362	2,274	550	80	241	104
Tasmania	149	277	32	16,432	13,723	4,765
East Indies	950,262	887,226	846,534	497,248	361,099	232,815
Straits Settlements	491,787	462,736	435,762	103,151	78,418	40,777
French Indo-China and Siam	86	2,749	1,940	73,683	32,850	25,017
Sumatra	87,010	96,670	118,482	75,063	63,333	15,857
Java	334,595	277,698	243,263	229,706	168,394	142,110
Borneo	4,938	6,796	6,588	4,349	4,403	386
Celebes	25,969	29,845	27,705	7,542	8,971	8,216
East Asia	1,798,761	1,854,862	1,700,942	6,944,028	5,795,706	6,126,187
China	263,372	268,485	270,460	1,980,475	1,534,058	2,026,467
U. S. S. R. (Russia)	178	2,045	2,530	6,688	11,761	----------
Japan	418,392	377,978	308,152	4,262,874	3,689,295	3,571,978
Philippine Islands	1,116,819	1,206,354	1,119,800	693,991	560,592	527,742
India, Persian Gulf, and Red Sea	1,006,562	863,476	660,312	310,530	350,568	339,559
Anglo Egyptian Sudan	5,477	5,665	3,537	2,075	2,284	363
Egypt	85,926	12,994	645	1,500	452	242
Aden	9,705	3,922	----------	2,898	2,503	----------
Iraq	28,947	21,292	22,872	----------	----------	206
Arabia	195	24	3,610	2,002	992	8,486
India	789,671	740,054	565,039	266,496	310,874	305,793
Ceylon	86,641	79,525	64,504	28,833	33,463	22,755
Canada	8,515,084	9,448,684	5,751,405	13,319,766	11,592,022	9,586,964
Pacific	1,236,705	1,143,194	711,192	1,228,756	1,095,457	988,957
Atlantic and Newfoundland	1,669,131	1,673,997	1,531,662	1,478,103	900,903	1,096,353
Great Lakes	5,609,248	6,631,493	3,508,551	10,612,907	9,595,662	7,501,654

[1] Kenya and Tanganyika Territory only.

Source: Bureau of Research, United States Shipping Board.

No. 442.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY STATES AND INDIVIDUAL PORTS

NOTE.—**In cargo tons of 2,240 pounds.** State totals cover all tonnage, including small ports not shown

State and port	Imports			Exports		
	1929	1930	1931	1929	1930	1931
North Atlantic District	**33, 807, 315**	**31, 436, 551**	**25, 348, 505**	**16, 278, 871**	**13, 110, 198**	**10, 205, 495**
Maine, total	689, 886	952, 571	726, 083	99, 955	79, 748	60, 279
Portland	637, 199	740, 749	437, 788	96, 455	79, 400	57, 856
New Hampshire: Portsmouth	62, 540	58, 475	47, 764	71	101	2, 500
Vermont	1, 329	585	372			
Massachusetts, total	3, 606, 503	3, 328, 741	2, 781, 252	310, 453	286, 598	210, 152
Boston	2, 417, 629	2, 385, 564	2, 228, 622	307, 426	275, 327	207, 107
Everett	231, 965	88, 748	20, 850			
Fall River	673, 516	729, 875	462, 696	7	2, 023	2, 215
Rhode Island, total	551, 674	685, 751	671, 841	2, 638	586	186
Providence	551, 674	684, 031	671, 841	2, 638	357	186
Connecticut, total	56, 763	47, 435	65, 524		10	4, 368
New Haven	25, 986	11, 113	13, 164		10	4, 368
New London	19, 417	17, 956	19, 766			
New York, total [1]	17, 283, 108	15, 406, 822	12, 874, 085	9, 951, 692	7, 879, 572	6, 000, 251
New York [1]	17, 240, 325	15, 318, 601	12, 707, 818	9, 937, 668	7, 862, 282	5, 991, 868
New Jersey: Paulsboro	10, 468			19, 580	21, 913	28, 112
Pennsylvania: Philadelphia [1]	4, 662, 835	4, 209, 169	3, 174, 599	1, 918, 415	1, 773, 323	1, 507, 552
Delaware, total	457, 595	416, 546	342, 087	6, 868	952	1, 247
Claymont	126, 104	144, 153	95, 631		530	1, 247
Wilmington	331, 491	272, 393	246, 456	6, 868	422	
Maryland: Baltimore	5, 696, 641	5, 502, 169	3, 950, 276	1, 440, 382	969, 485	794, 029
District of Columbia	585		720			
Virginia, total	727, 388	828, 287	713, 902	2, 528, 817	2, 097, 910	1, 596, 819
Newport News	125, 737	112, 853	121, 591	855, 447	664, 964	488, 445
Norfolk	601, 651	715, 434	592, 311	1, 670, 491	1, 430, 291	1, 044, 274
South Atlantic District	**1, 630, 332**	**1, 740, 599**	**1, 395, 782**	**915, 813**	**809 875**	**592, 519**
North Carolina: Wilmington	226, 593	244, 707	220, 683	24, 883	13, 293	7, 069
South Carolina, total	424, 758	403, 983	313, 794	182, 696	189, 015	108, 811
Charleston	424, 758	403, 983	313, 794	180, 352	180, 818	104, 351
Georgia, total	499, 598	510, 497	428, 799	414, 618	336, 184	283, 404
Brunswick	42, 239	29, 689	39, 067	61, 376	51, 814	41, 072
Savannah	457, 359	480, 808	389, 732	353, 242	284, 370	242, 332
Florida, east coast, total	479, 383	581, 412	432, 506	293, 616	271, 383	193, 235
Fernandina				55, 919	65, 382	39, 200
Jacksonville	385, 690	401, 924	277, 114	218, 061	189, 632	143, 326
Miami	93, 693	178, 124	155, 192	17, 423	15, 544	9, 105
Gulf District	**6, 753, 727**	**4, 799, 366**	**3, 555, 397**	**16, 074, 873**	**14, 250, 975**	**11, 869, 010**
Florida, west coast, total	468, 921	398, 725	279, 198	1, 702, 970	1, 695, 881	1, 212, 977
Boca Grande			60	109, 743	167, 992	201, 443
Key West	148, 042	102, 959	57, 062	240, 596	189, 680	95, 652
Pensacola	166, 370	117, 467	72, 163	229, 355	234, 115	198, 349
Tampa	154, 509	178, 299	135, 674	1, 103, 387	1, 089, 638	699, 680
Alabama: Mobile	412, 751	344, 897	254, 381	590, 420	431, 095	367, 737
Mississippi, total	49, 764	77, 791	46, 301	281, 821	236, 339	100, 033
Gulfport	49, 764	77, 791	46, 301	276, 759	236, 339	100, 033
Louisiana, total	4, 571, 396	3, 117, 414	2, 322, 621	5, 263, 148	4, 172, 917	3, 024, 513
Baton Rouge	360, 370	162, 458	111, 868	1, 044, 929	957, 143	960, 447
Lake Charles	20, 042	25, 358	12, 823	76, 584	94, 860	96, 513
New Orleans	4, 146, 327	2, 929, 598	2, 197, 930	4, 061, 470	3, 088, 445	1, 924, 189
Texas, total	1, 250, 895	860, 539	652, 896	8, 236, 514	7, 714, 743	7, 163, 750
Beaumont	9, 454	7, 062	4, 222	531, 591	467, 256	424, 314
Corpus Christi	7, 410	4, 806	4, 629	625, 032	297, 383	265, 845
Freeport				268, 609	167, 277	149, 606
Galveston	345, 977	304, 029	228, 054	1, 874, 286	1, 317, 876	1, 201, 691
Houston	365, 832	339, 222	253, 855	3, 575, 044	4, 165, 243	3, 606, 020
Orange	14, 140	11, 064	10, 235	51, 559	34, 378	4, 597
Port Arthur	431, 534	121, 743	86, 373	1, 127, 755	1, 099, 914	1, 362, 903
Sabine				40, 450	8, 400	
Texas City	67, 493	61, 813	65, 528	117, 486	127, 056	122, 383

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

No. 442.—Cargo Tonnage of Water-Borne Imports and Exports: By States and Individual Ports—Continued

State and port	Imports			Exports		
	1929	1930	1931	1929	1930	1931
Pacific District	**3,184,602**	**2,904,927**	**2,056,051**	**13,592,893**	**11,966,736**	**9,880,568**
California, total	1,909,998	1,796,613	1,359,602	8,885,094	8,446,339	6,773,545
Eureka			1,004	57,712	23,183	9,510
Los Angeles	684,762	647,169	537,603	6,054,084	5,854,936	4,324,304
San Diego	31,392	21,780	12,158	8,036	10,793	7,000
San Francisco [2]	1,193,824	1,127,301	808,727	2,482,408	2,060,105	1,945,003
Port San Luis	20	67	110	262,833	491,073	476,870
Oregon, total	113,811	103,056	87,898	1,827,217	1,445,036	1,205,728
Astoria	240	234	1,009	132,657	80,353	86,179
Coos Bay				120,346	128,669	90,741
Portland	108,871	95,132	80,545	1,376,761	1,117,459	961,700
Prescott				34,665	24,956	15,506
Wauna				92,968	53,004	8,856
Westport				39,665	21,304	10,501
Washington, total	1,160,793	1,005,258	608,551	2,880,582	2,075,361	1,901,295
Anacortes	76,089	30,545	18,856	36,346	26,139	4,104
Bellingham	17,642	16,183	7,504	81,585	70,624	51,692
Everett	8,227	14,567	28,665	217,098	201,841	157,154
Grays Harbor	1,960	1,693	2,132	610,767	347,180	295,609
Longview	1,355	2,729	4,276	128,211	112,068	95,113
Olympia	121	1,687	1,426	228,615	219,052	170,931
Port Angeles	154,026	164,176	98,255	40,856	13,550	31,185
Port Townsend	44,792	40,772	11,456	9,359	11,083	11,915
Seattle	444,731	359,865	222,206	718,424	520,292	536,911
Tacoma	390,962	364,315	207,551	666,743	486,175	473,876
Vancouver	1,562		500	14,484	572	
Willapa Harbor			200	31,835	13,484	22,192
Great Lakes District	**5,609,248**	**6,631,493**	**3,508,551**	**10,612,907**	**9,597,262**	**7,501,654**
New York, total	2,931,867	3,077,085	2,360,608	2,814,430	2,455,097	1,930,923
Buffalo	2,464,750	2,627,369	2,009,729	728,101	826,889	790,926
Ogdensburg	148,470	141,348	92,033		4,239	135
Oswego	7,747	299	9,564	42,139	41,954	76,441
Rochester	137,918	112,979	131,538	1,182,148	860,221	697,281
Sodus Point				827,135	701,268	354,210
Tonawanda	25,168	19,020	50,325	3,076		
Waddington	108,579	129,800	56,800			
Pennsylvania: Erie	100,392	419,041	209,840	96,841	1,206,612	1,136,093
Ohio, total	704,172	871,202	116,748	5,074,832	4,334,554	3,227,490
Ashtabula		3,342	3,186	255,499	365,348	643,617
Cleveland	148,340	120,051	67,009	616,027	654,055	392,861
Conneaut			2,500	159,592	110,742	156,875
Fairport	24,120	12,281	15,646	505,839	266,632	151,543
Lorain	13,775	10,132	6,484	498,167	464,793	184,510
Sandusky	51,132	49,563	1,370	1,185,630	967,991	738,663
Toledo	466,005	673,707	15,450	1,825,674	1,486,311	950,747
Indiana	1,786	2,421	4,494	51,198	135,059	117,538
Illinois, total	305,389	277,861	188,241	136,499	89,890	66,816
Chicago	305,389	277,861	188,241	136,499	75,109	66,816
Michigan, total	1,350,389	1,656,783	428,663	775,622	678,989	456,158
Algonac			2,412	44,165	23,250	7,350
Bay City	63,369	46,902	20,851	95	39,851	
Detroit	774,930	1,295,597	215,630	178,579	175,229	221,548
Escanaba			8,918	369,305	215,178	116,729
Marquette				107,400	157,150	88,250
Muskegon	34,860	31,790	6,111	2,550		
Port Huron	79,546	62,823	81,062		6,439	7
Sault Ste. Marie	20,447	47,023	32,092	1,234	2,498	4,665
Wyandotte	117,686	145,570	23,200	5,183	1,050	
Wisconsin, total	167,787	205,618	162,103	1,410,243	552,297	407,280
Ashland	120,000	142,848	87,866	220,510	109,783	118,591
Milwaukee	10,352	12,082	19,809	23,952	11,287	
Superior	5,768	8,451	7,802	1,153,067	425,589	284,853
Minnesota, total	47,466	121,482	37,854	253,242	144,764	159,356
Duluth	47,466	121,482	37,854	250,692	141,531	156,625

[2] Includes all ports within San Francisco Bay.

Source: Bureau of Research, United States Shipping Board.

No. 443.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: By Major Commodities and by Coastal Districts

NOTE.—In thousands of cargo tons of 2,240 pounds. Leaders indicate no data, or less than 500 tons

Commodity	1928	1929	1930	1931					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Imports, total	**47,395**	**50,985**	**47,562**	**35,864**	**25,349**	**1,396**	**3,555**	**2,056**	**3,509**
Wheat	4,430	2,195	2,585	1,823	7	------	------	1	1,815
Other grains	778	316	348	297	66	2	6	14	209
Oil seeds	437	663	378	477	401	------	------	58	18
Vegetable oils	383	532	502	452	331	------	67	54	------
Vegetables and vegetable products, n. e. s.	777	884	800	634	496	17	31	89	1
Animal, fish, and dairy products	412	440	376	318	218	1	38	61	1
Bananas	1,656	1,743	1,535	1,349	703	32	542	72	------
Coconuts and copra	309	327	341	272	62	------	45	165	------
Other fruits and nuts	328	295	302	243	180	------	45	18	------
Sugar	3,380	4,399	3,104	2,743	1,943	138	571	91	------
Molasses	1,334	1,567	1,262	936	769	3	159	4	------
Coffee	681	690	751	801	502	4	209	85	------
Cocoa	173	229	170	199	193	------	1	5	------
Tobacco and manufactures	50	45	46	40	35	------	2	3	------
Cotton	74	99	61	32	26	------	------	7	------
Cotton manufactures	96	82	63	50	30	------	1	20	------
Wool	103	114	69	69	57	------	------	12	------
Wool manufactures	35	28	15	12	12	------	------	------	------
Silk	32	38	29	34	10	------	------	23	------
Silk manufactures	21	16	8	11	9	------	------	1	------
Jute	98	92	46	57	46	5	4	2	------
Jute manufactures	350	328	343	228	135	8	62	23	------
Other vegetable fibers and grasses	360	363	286	237	125	5	70	29	8
Textiles and manufactures, n. e. s.	84	90	67	55	44	------	4	5	2
Hides, skins, and manufactures	235	248	188	129	125	------	------	3	1
Furs and fur skins	14	13	11	9	8	------	------	1	------
Rubber	481	566	526	535	490	3	2	41	------
Pulpwood and wood pulp	2,081	2,144	2,731	2,184	1,397	1	18	35	733
Paper stock, n. e. s.	223	236	145	63	44	11	------	7	------
Paper and manufactures	468	467	638	607	263	27	87	110	120
Clays	320	346	295	190	175	------	4	4	5
Clay manufactures	244	143	88	50	33	------	1	15	------
Coal and coke	620	665	825	707	636	1	------	62	8
Petroleum and products	12,844	14,833	14,424	11,717	10,391	572	733	7	16
Gypsum	939	930	808	649	605	------	3	41	------
Pyrites	460	509	403	286	276	11	------	------	------
Nonmetallic minerals, n. e. s.	1,855	3,068	3,338	898	305	4	14	75	500
Iron ores	2,611	3,430	3,163	1,677	1,660	------	12	5	------
Manganese and manganese ore	526	760	607	537	490	------	41	1	4
Iron and steel and manufactures	792	706	547	453	278	4	59	101	11
Copper and manufactures	557	584	513	359	231	------	------	125	3
Miscellaneous metals and mfrs.	734	752	671	509	153	------	281	76	------
Logs and lumber	1,404	1,541	1,220	727	429	------	38	242	17
Dyeing and tanning materials	219	166	169	131	126	------	3	2	------
Potash	757	755	796	442	208	152	69	11	2
Nitrates	1,173	1,094	683	691	131	359	149	52	------
Other fertilizers	268	262	214	154	50	25	23	55	1
Pigments, chemicals, and mfrs., n. e. s.	658	671	584	430	216	11	141	62	1
All other	531	521	488	361	232	2	19	76	32
Exports, total	**58,829**	**57,475**	**49,731**	**40,049**	**10,205**	**593**	**11,869**	**9,881**	**7,502**
Wheat	6,324	4,509	4,544	3,911	1,948	------	810	536	617
Rye	441	76	21	18	18	------	------	------	------
Corn	694	689	103	76	43	------	15	------	18
Barley	1,650	955	283	304	109	------	7	150	38
Oats	185	117	33	38	29	------	4	1	4
Rice	165	165	118	133	8	------	100	26	------
Other grains	127	108	29	84	29	------	49	4	1
Wheat flour	1,352	1,431	1,290	935	442	------	137	337	20
Oil-cake and meal	512	548	214	402	224	3	151	25	------
Vegetables and vegetable products, n. e. s.	277	234	239	192	136	3	29	23	------
Animal, fish, and dairy products	753	774	626	507	331	20	78	77	------
Fruits and nuts	827	790	743	924	296	10	7	612	------
Sugar	196	121	135	110	89	------	15	2	4
Naval stores	264	374	321	271	9	203	56	3	------
Tobacco and manufactures	324	286	292	255	203	11	38	3	------
Cotton	1,902	1,736	1,501	1,590	35	126	1,335	93	------
Cotton manufactures	77	66	45	42	28	10	4	------	------
Other textiles and manufactures	100	111	90	56	44	------	10	1	1
Hides, skins, and manufactures	28	21	22	26	20	------	1	5	------
Rubber and manufactures	70	83	77	57	41	------	3	12	------
Paper stock and manufactures	230	279	244	248	105	1	26	114	1

No. 443.—Cargo Tonnage of Water-Borne Imports and Exports: By Major Commodities and by Coastal Districts—Continued

Commodity	1928	1929	1930	1931					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Exports—Continued.									
Coal and coke	9,074	9,992	9,685	7,536	1,365	32	90	-------	6,048
Petroleum and products	17,864	17,944	17,046	13,833	2,012	5	6,182	5,504	130
Sulphur	655	852	574	389	4	-------	379	1	5
Cement	128	111	106	67	41	-------	24	1	-------
Nonmetallic minerals and mfrs., n. e. s.	742	433	333	236	71	4	35	64	63
Iron ores	971	1,255	746	464	2	-------	-------	-------	461
Iron, steel, and manufactures	1,963	1,972	1,284	632	446	17	86	19	64
Machinery	604	706	550	315	298	-------	9	8	-------
Vehicles	969	1,046	572	326	315	-------	2	9	-------
Copper and manufactures	457	387	318	235	164	-------	14	50	6
Ores, metals and manufactures, n. e. s.	308	297	255	195	28	-------	146	21	-------
Logs and lumber	5,617	5,583	4,169	3,175	87	101	1,066	1,921	-------
Phosphates	833	1,122	1,228	917	60	40	806	1	10
Other fertilizers	199	268	187	213	185	1	1	26	-------
Pigments, chemicals, and mfrs., n. e. s.	497	533	510	456	253	-------	92	109	1
All other	1,450	1,501	1,198	882	689	4	61	120	9

Source: Bureau of Research, United States Shipping Board.

No. 444.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE

Note.—Domestic trade is not included. For definition of net tonnage see general note, p. 372. Figures cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the marked effect of the war on shipping a special average for the 6½ years July 1, 1914, to Dec. 31, 1920, is presented

[In thousands of net tons]

Yearly average or year	Entered		Cleared		Year	Entered		Cleared	
	Seaports	Other ports	Seaports	Other ports		Seaports	Other ports	Seaports	Other ports
1840 [1]	1,788	501	1,861	492	1901	24,791	4,977	24,889	4,931
1850	3,169	1,179	3,167	1,194	1902	24,361	6,293	24,242	6,202
1860	5,000	3,275	5,257	3,533	1903	24,698	6,396	24,823	6,493
1870	6,270	2,886	6,362	2,807	1904	24,111	5,841	24,192	5,824
1871-1875	8,462	2,997	8,514	2,994	1905	24,793	6,190	25,020	6,138
1876-1880	12,134	2,792	12,197	2,807	1906	27,401	6,754	26,970	6,814
1881-1885	13,604	2,931	13,781	2,917	1907	29,248	7,374	28,499	7,491
1886-1890	13,479	2,602	13,655	2,593	1908	30,444	8,095	30,198	8,084
1891-1895	16,801	2,816	16,965	2,876	1909	30,243	8,815	29,604	8,592
1896-1900	20,931	3,989	21,077	4,007	1910	30,917	9,319	30,510	9,196
1901-1905	24,551	5,939	24,633	5,918	1911	32,457	10,218	32,299	10,138
1906-1910	29,651	8,071	29,156	8,036	1912	34,659	11,499	34,706	11,711
1911-1915	36,035	11,879	35,954	12,061	1913	37,973	12,666	37,566	13,586
1915-1920 [2]	38,071	13,440	40,137	13,511	1914	40,052	13,337	39,743	13,440
1921-1925	52,959	13,334	53,578	13,075	1915	35,032	11,678	35,458	11,427
1926-1930	63,768	15,293	64,441	15,319	1916	37,744	13,806	38,946	13,477
1910-1914	35,212	11,408	34,965	11,614	1917	36,521	13,951	38,094	13,983
1914-1920 [3]	37,604	13,169	39,417	13,190	1918	31,101	14,356	31,869	14,145
1886	12,230	2,906	12,413	2,915	1918 (July-Dec.)	16,113	8,916	16,112	9,360
1887	13,532	2,284	13,511	2,242	1919	36,381	10,320	40,750	10,506
1888	12,956	2,437	13,252	2,417	1920	51,532	12,572	54,981	12,837
1889	13,312	2,640	13,672	2,671	1921	49,958	12,327	50,423	12,242
1890	15,366	2,741	15,429	2,720	1922	51,701	13,490	51,799	13,040
1891	15,394	2,810	15,411	2,850	1923	52,775	13,544	53,215	13,409
1892	18,180	2,833	18,258	2,903	1924	54,726	13,565	55,294	13,616
1893	16,679	2,903	16,825	2,936	1925	55,636	13,742	57,160	13,069
1894	17,025	2,965	17,306	2,966	1926	63,759	13,174	65,583	13,458
1895	16,725	2,570	17,024	2,727	1927	58,921	15,389	59,759	15,682
1896	17,453	3,536	17,819	3,596	1928	62,809	17,402	63,331	17,336
1897	20,003	3,757	19,878	3,831	1929	66,852	15,749	67,030	15,313
1898	21,700	3,879	21,892	3,856	1930	66,499	14,753	66,500	14,808
1899	21,963	4,148	22,177	4,089	1931	60,427	12,355	61,204	12,297
1900	23,534	4,629	23,618	4,663	1932	55,229	9,607	54,900	9,547

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

Source: Bureau of Foreign and Domestic Commerce.

No. 445.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE: BY CUSTOMS DISTRICTS AND BY REGIONS

NOTE.—In thousands of net tons. See headnote, Table 444

Customs district	1929		1930		1931		1932	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	82, 602	82, 343	81, 253	81, 307	72, 782	73, 501	64, 837	64, 446
Seaports, total	66, 853	67, 030	66, 499	66, 500	60, 427	61, 204	55, 229	54, 900
North Atlantic coast, total	32, 670	30, 784	32, 954	30, 954	30, 551	29, 333	28, 121	26, 192
Maine and New Hampshire	652	540	899	655	772	598	588	392
Massachusetts	4, 335	3, 105	4, 088	2, 907	3, 986	3, 128	4, 169	3, 295
Rhode Island	342	267	443	262	370	222	228	145
Connecticut	31	12	27	6	25	16	20	7
New York	23, 954	24, 876	24, 545	25, 213	23, 026	23, 635	21, 190	20, 922
Philadelphia	3, 356	1, 984	2, 952	1, 911	2, 372	1, 735	1, 927	1, 431
South Atlantic coast, total	5, 520	6, 640	5, 428	6, 015	4, 604	4, 960	4, 361	4, 586
Maryland	2, 470	1, 711	2, 486	1, 583	1, 885	1, 161	1, 342	1, 006
Virginia	830	2, 409	713	1, 956	811	1, 602	996	1, 174
North Carolina	136	85	139	88	122	95	76	72
South Carolina	337	235	337	254	263	166	282	129
Georgia	293	619	290	578	282	475	181	419
Puerto Rico	1, 454	1, 582	1, 463	1, 556	1, 242	1, 461	1, 484	1, 787
Gulf coast, total	12, 120	12, 802	10, 932	12, 019	9, 144	10, 244	8, 136	9, 143
Florida	2, 788	2, 295	2, 716	2, 550	2, 343	2, 069	2, 181	1, 998
Mobile	582	783	547	655	372	577	393	538
New Orleans	5, 358	5, 008	4, 575	4, 209	3, 410	3, 287	2, 896	2, 807
Sabine	806	891	635	798	725	890	847	885
Galveston	2, 586	3, 825	2, 458	3, 807	2, 294	3, 421	1, 819	2, 915
Mexican border: San Antonio	265	260	171	127	190	103	159	104
Pacific coast, total	16, 278	16, 545	17, 015	17, 385	15, 938	16, 564	14, 452	14, 875
Washington	6, 856	6, 436	7, 409	6, 746	7, 200	6, 682	5, 913	5, 285
Oregon	929	939	533	709	339	535	222	448
San Francisco	2, 075	2, 529	2, 092	2, 414	2, 020	2, 430	1, 869	2, 452
Los Angeles	5, 054	5, 210	5, 012	5, 718	4, 204	5, 061	4, 224	4, 828
Alaska	321	239	301	235	287	255	257	196
Hawaii	1, 043	1, 192	1, 319	1, 411	1, 368	1, 421	1, 406	1, 466
San Diego	--------	--------	348	152	519	181	560	199
Northern border, total	15, 749	15, 313	14, 753	14, 808	12, 355	12, 297	9, 607	9, 547
Vermont	5	6	4	4	5	5	4	4
St. Lawrence	1, 142	861	1, 088	826	667	603	455	437
Rochester	3, 482	3, 558	3, 014	3, 029	2, 693	2, 690	2, 081	1, 956
Buffalo	2, 289	1, 158	2, 384	1, 103	2, 143	1, 018	1, 888	981
Ohio	3, 910	5, 448	4, 326	5, 510	3, 777	4, 278	3, 090	2, 917
Michigan	2, 289	2, 371	2, 092	2, 440	1, 597	1, 664	1, 007	1, 608
Chicago	286	383	246	493	236	512	220	445
Wisconsin	536	340	487	440	536	442	572	300
Duluth and Superior	1, 810	1, 189	1, 112	962	703	1, 086	290	899

Yearly average or year	Atlantic coast		Gulf coast		Pacific coast		Mexican border, total	Northern border	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entrances:									
1901–1905	17, 427	15, 149	4, 056	1, 770	3, 068	2, 286	--------	5, 939	2, 602
1906–1910	20, 921	18, 494	5, 159	2, 420	3, 570	2, 707	--------	8, 072	3, 207
1911–1915	24, 293	20, 708	6, 635	3, 377	5, 055	3, 649	52	11, 879	4, 564
1915–1920[1]	24, 581	16, 094	7, 939	4, 646	5, 487	4, 329	64	13, 440	5, 646
1921–1925	30, 979	27, 133	12, 390	8, 243	9, 562	6, 070	28	13, 334	6, 475
1926–1930	36, 884	33, 003	11, 634	7, 415	15, 100	8, 247	150	15, 293	7, 700
1929	38, 190	35, 438	12, 120	7, 703	16, 278	8, 734	265	15, 749	7, 558
1930	38, 382	35, 594	10, 932	6, 932	17, 015	9, 674	171	14, 753	7, 418
1931	35, 155	31, 812	9, 144	5, 697	15, 938	9, 653	190	12, 355	5, 980
1932	32, 482	28, 755	8, 136	5, 078	14, 452	8, 808	159	9, 607	4, 869
Clearances:									
1901–1905	17, 077	15, 714	4, 499	4, 328	3, 057	2, 418	--------	5, 918	3, 825
1906–1910	20, 162	18, 659	5, 477	5, 187	3, 517	2, 922	--------	8, 036	5, 673
1911–1915	23, 608	21, 765	7, 193	6, 414	5, 104	4, 643	50	12, 060	8, 567
1916–1920[1]	25, 921	23, 168	8, 528	6, 915	5, 626	4, 762	62	13, 511	9, 637
1921–1925	30, 837	24, 284	12, 833	9, 589	9, 880	8, 360	28	13, 075	9, 236
1926–1930	36, 361	28, 696	12, 326	10, 641	15, 658	13, 148	95	15, 319	10, 504
1929	37, 424	28, 776	12, 802	11, 220	16, 545	13, 877	260	15, 313	10, 917
1930	36, 969	28, 379	12, 019	10, 594	17, 385	14, 406	127	14, 808	9, 809
1931	34, 293	26, 182	10, 244	9, 138	16, 564	14, 382	103	12, 297	8, 644
1932	30, 778	22, 966	9, 143	8, 086	14, 875	12, 753	104	9, 547	6, 799

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

Source: Bureau of Foreign and Domestic Commerce.

No. 446.—NET TONNAGE OF VESSELS ENTERED IN FOREIGN TRADE: BY CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 444]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Per cent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881-1890	32,038	16,308	3,395	12,913	20.7	13,542	5,251	8,291	11,560	1,982
1891-1900	31,781	22,269	4,978	17,291	22.4	18,866	3,816	15,050	14,184	4,682
1901-1905	34,040	30,490	6,802	23,688	22.3	24,551	2,606	21,945	19,205	5,346
1906-1910	34,375	37,722	8,372	29,350	22.2	29,650	1,816	27,834	23,621	6,029
1911-1915	38,951	47,914	12,205	35,709	25.5	36,035	1,574	34,461	27,778	8,257
1915-1920 [1]	42,713	51,511	21,999	29,512	42.7	38,071	1,899	36,173	25,128	12,943
1921-1925	41,546	66,293	29,645	36,648	44.7	52,959	1,004	51,955	41,471	11,488
1926-1930	45,846	79,062	30,314	48,748	38.3	63,768	472	63,296	48,710	15,058
1910-1914	38,038	46,619	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914-1920 [2]	42,257	50,773	20,657	30,116	40.7	37,604	1,853	35,750	24,938	12,666
1918 (July-Dec.)	23,032	25,029	11,006	14,023	44.0	16,113	932	15,181	9,649	6,464
1919	39,052	46,702	21,933	24,769	47.0	36,381	1,614	34,767	24,041	12,340
1920	45,637	64,104	32,119	31,985	50.1	51,531	1,847	49,684	35,387	16,144
1921	40,758	62,285	31,185	31,100	50.1	49,958	1,379	48,579	36,066	13,892
1922	40,926	65,191	31,738	33,453	48.7	51,701	1,104	50,597	43,219	8,482
1923	41,591	66,319	27,725	38,594	41.8	52,775	958	51,817	42,219	10,556
1924	42,435	68,292	29,628	38,664	43.4	54,726	849	53,877	42,403	12,323
1925	42,019	69,378	27,947	41,431	40.3	55,636	731	54,905	43,450	12,186
1926	44,757	76,933	26,890	50,043	35.0	63,759	549	63,210	45,113	18,646
1927	45,459	74,310	29,289	45,021	39.4	58,921	530	58,391	45,462	13,458
1928	48,252	80,211	31,285	48,926	39.0	62,809	453	62,356	48,757	14,052
1929	46,687	82,602	32,241	50,361	39.0	66,853	456	66,397	51,919	14,934
1930	44,076	81,253	31,866	49,387	39.2	66,499	373	66,127	52,298	14,201
1931	36,373	72,782	26,907	45,875	37.0	60,427	241	60,186	47,265	13,162
1932	30,318	64,837	24,278	40,559	37.4	55,229	236	54,993	42,701	12,528

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881-1890	2,933	2,559	10,609	9,001	21.7	2,766	1,976	462	2,304
1891-1900	3,619	2,956	15,247	11,228	19.2	3,403	1,589	1,359	2,044
1901-1905	3,962	3,246	20,589	15,960	16.1	5,939	2,602	2,840	3,099
1906-1910	4,175	3,471	25,475	20,150	14.1	8,072	3,207	4,197	3,875
1911-1915	5,276	4,200	30,759	23,578	14.6	11,879	4,564	6,929	4,950
1915-1920 [1]	14,508	11,375	23,563	13,753	38.1	13,440	5,646	7,490	5,950
1921-1925	22,526	18,404	30,433	23,068	42.5	13,334	6,455	7,119	6,215
1926-1930	23,182	18,809	40,586	29,901	36.4	15,293	7,700	7,132	8,162
1910-1914	4,753	3,787	30,459	24,309	13.5	11,407	4,501	6,575	4,832
1914-1920 [2]	13,327	10,481	24,276	14,456	35.4	13,169	5,430	7,330	5,840
1918 (July-Dec.)	5,747	4,595	10,366	5,054	35.7	8,916	2,704	5,259	3,657
1919	16,224	12,294	20,157	11,747	44.6	10,321	3,763	5,709	4,612
1920	26,225	19,822	25,306	15,565	50.9	12,573	5,852	5,894	6,679
1921	24,402	18,620	25,556	17,446	48.8	12,327	5,672	6,783	5,544
1922	23,633	20,308	28,068	22,911	45.7	13,490	6,178	8,105	5,385
1923	20,984	17,790	31,791	24,429	39.8	13,544	6,766	6,741	6,803
1924	22,462	18,267	32,264	24,136	41.0	13,565	6,335	7,166	6,399
1925	21,148	17,033	34,487	26,417	38.0	13,742	7,323	6,798	6,944
1926	21,091	17,103	42,668	28,010	33.1	13,174	7,131	5,799	7,375
1927	22,001	17,668	36,920	27,794	37.3	15,389	7,824	7,288	8,101
1928	22,991	18,404	39,818	30,353	36.6	17,402	8,571	8,294	9,108
1929	25,208	20,541	41,645	31,378	37.7	15,749	7,558	7,034	8,716
1930	24,620	20,330	41,879	31,968	37.0	14,753	7,418	7,245	7,508
1931	21,499	18,123	38,929	29,142	35.6	12,355	5,980	5,408	6,946
1932	20,643	17,396	34,586	25,305	37.4	9,607	4,869	3,635	5,972

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

Source: Bureau of Foreign and Domestic Commerce.

No. 447.—NET TONNAGE OF VESSELS CLEARED IN FOREIGN TRADE: BY CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 444]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Percent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881–1890	32,159	16,473	3,450	13,023	20.9	13,719	5,363	8,356	12,795	924
1891–1900	31,902	22,463	5,038	17,425	22.4	19,021	3,818	15,203	17,514	1,507
1901–1905	33,863	30,551	6,812	23,739	22.3	24,633	2,621	22,012	22,460	2,173
1906–1910	33,897	37,192	8,282	28,910	22.3	29,156	1,850	27,306	26,768	2,388
1911–1915	38,790	48,015	12,512	35,503	26.1	35,955	1,654	34,301	32,827	3,128
1915–1920 [1]	42,687	53,647	23,005	30,643	42.9	40,137	2,057	38,080	34,851	5,285
1921–1925	40,120	66,653	29,554	37,099	44.3	53,578	984	52,594	42,233	11,345
1926–1930	44,082	79,760	30,709	49,051	38.5	64,441	467	63,973	52,581	11,860
1910–1914	37,883	46,579	11,590	34,989	24.9	34,965	1,620	33,345	32,024	2,941
1914–1920 [2]	42,141	52,607	21,529	31,078	40.9	39,417	2,010	37,407	34,394	5,023
1918 (July–Dec.)	22,580	25,472	11,223	14,249	44.1	16,112	1,011	15,101	13,594	2,518
1919	39,974	51,257	24,992	26,265	48.8	40,751	1,819	38,932	34,689	6,062
1920	46,447	67,817	34,053	33,764	50.2	54,980	2,009	52,971	45,687	9,293
1921	39,553	62,665	30,181	32,484	48.2	50,423	1,218	49,205	39,985	10,438
1922	39,314	64,839	31,759	33,080	49.0	51,799	1,109	50,690	39,244	12,555
1923	40,256	66,624	27,932	38,692	41.9	53,215	1,035	52,180	42,398	10,817
1924	41,100	68,910	30,092	38,818	43.7	55,294	810	54,483	43,787	11,506
1925	40,379	70,229	27,808	42,421	39.6	57,160	746	56,414	45,750	11,410
1926	43,951	79,041	28,532	50,509	36.1	65,583	566	65,017	54,237	11,346
1927	43,619	75,440	29,793	45,647	39.5	59,759	526	59,233	49,419	10,340
1928	46,201	80,667	31,734	48,933	39.3	63,331	436	62,895	51,609	11,722
1929	44,837	82,343	31,927	50,416	38.8	67,030	422	66,608	54,132	12,898
1930	41,801	81,307	31,560	49,748	38.8	66,500	386	66,114	53,507	12,993
1931	35,368	73,501	26,854	46,647	36.5	61,204	238	60,966	49,805	11,399
1932	29,648	64,446	23,865	40,581	37.0	54,900	233	54,667	43,909	10,991

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881–1890	2,978	2,541	10,741	10,254	21.7	2,754	1,778	472	2,282
1891–1900	3,644	2,914	15,377	14,600	19.2	3,442	2,129	1,394	2,048
1901–1905	4,000	3,284	20,633	19,176	16.2	5,918	3,825	2,812	3,106
1906–1910	4,084	3,498	25,072	23,270	14.0	8,036	5,673	4,198	3,838
1911–1915	5,361	4,522	30,594	28,305	14.9	12,060	8,567	7,161	4,909
1915–1920 [1]	15,455	11,505	24,681	23,346	38.5	13,511	9,637	7,550	5,962
1921–1925	22,556	14,977	31,022	28,057	42.1	13,075	9,236	6,998	6,077
1926–1930	23,338	17,071	41,102	35,510	36.2	15,319	10,504	7,371	7,948
1910–1914	4,778	4,109	30,187	27,915	13.7	11,614	8,380	6,812	4,802
1914–1920 [2]	14,171	10,611	25,245	23,783	36.0	13,190	9,279	7,358	5,832
1918 (July–Dec.)	5,614	3,537	10,498	10,057	34.8	9,360	7,433	5,609	3,751
1919	19,133	14,539	21,617	20,150	47.0	10,506	7,616	5,858	4,648
1920	27,875	20,188	27,106	25,499	50.7	12,837	9,365	6,179	6,658
1921	23,432	15,215	26,991	24,770	46.5	12,242	8,692	6,749	5,493
1922	23,755	14,743	28,044	24,501	45.9	13,040	9,234	8,004	5,036
1923	21,305	14,584	31,910	27,814	40.0	13,409	9,514	6,627	6,782
1924	22,896	15,397	32,397	32,398	41.4	13,616	9,933	7,195	6,421
1925	21,394	14,948	35,766	30,802	37.4	13,068	8,805	6,414	6,654
1926	22,234	15,838	43,349	38,399	33.9	13,458	9,241	6,298	7,160
1927	22,078	16,524	37,681	32,895	36.9	15,682	10,656	7,716	7,966
1928	23,180	16,969	40,151	34,640	36.6	17,336	11,898	8,554	8,782
1929	25,045	18,337	41,985	35,795	37.4	15,313	10,917	6,883	8,431
1930	24,154	17,687	42,346	35,820	36.3	14,808	9,809	7,406	7,402
1931	21,417	16,732	39,787	33,073	35.0	12,297	8,644	5,437	6,860
1932	20,204	16,072	34,695	27,838	36.8	9,547	6,799	3,660	5,886

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

Source: Bureau of Foreign and Domestic Commerce.

No. 448.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: By Countries of Origin and Destination

Note.—In thousands of net tons. Only traffic by sea is included. First two columns cover years ended June 30, third column the period July 1, 1914, to Dec. 31, 1920, the others, calendar years. For definition of net tonnage see general note, p. 372

Country	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1930	1931	1932
Total by sea:								
Entered	26,362	35,212	37,604	52,959	63,768	66,499	60,427	55,229
Cleared	26,206	34,965	39,417	53,578	64,441	66,500	61,204	54,900
Belgium:								
Entered	905	955	392	1,231	1,560	1,378	1,221	1,116
Cleared	901	1,030	452	1,190	1,280	1,313	1,126	970
Denmark:								
Entered	184	297	373	372	532	606	550	445
Cleared	352	305	498	450	686	687	588	389
France:								
Entered	611	1,047	2,251	1,953	2,321	2,384	2,114	1,890
Cleared	1,062	1,463	3,345	2,250	2,475	2,556	2,340	2,481
Germany:								
Entered	2,384	3,113	290	2,998	3,813	4,376	4,235	4,349
Cleared	2,773	3,474	298	3,165	3,714	4,370	4,004	3,546
Italy:								
Entered	1,097	1,305	2,171	1,707	2,101	1,980	1,892	1,918
Cleared	1,003	1,662	2,489	1,986	2,023	1,927	1,768	1,674
Netherlands:								
Entered	846	1,169	1,291	1,654	2,081	1,705	1,515	1,298
Cleared	1,206	1,521	1,459	1,464	1,499	1,344	1,176	1,088
Norway:								
Entered	----------	193	521	384	360	418	296	384
Cleared	----------	159	830	412	361	327	289	256
Spain:								
Entered	483	724	838	608	850	976	730	566
Cleared	265	337	490	463	612	641	531	509
Sweden:								
Entered	----------	68	240	504	681	761	747	640
Cleared	----------	66	440	353	498	528	462	384
United Kingdom:								
Entered	7,440	7,238	8,765	9,378	10,614	9,181	7,569	6,022
Cleared	7,153	7,162	8,164	8,647	10,577	9,430	7,643	6,179
Canada:								
Atlantic coast—								
Entered	1,355	1,479	1,092	1,201	1,607	1,837	2,385	2,192
Cleared	1,454	1,594	1,007	1,331	1,709	1,916	2,304	2,133
British Columbia, Yukon—								
Entered	1,508	2,539	3,117	4,571	6,619	7,949	7,719	6,574
Cleared	1,509	2,589	3,094	4,573	6,556	7,447	7,735	6,579
Central America:								
Entered	799	1,879	1,535	1,734	2,391	2,518	2,417	2,268
Cleared	830	2,121	1,610	1,640	2,692	3,090	3,048	2,545
Mexico:								
Entered	856	1,789	3,788	8,160	2,840	1,893	1,623	1,693
Cleared	745	1,847	3,727	8,391	2,892	2,094	1,821	1,806
British West Indies and British Honduras:								
Entered	1,001	1,038	564	1,351	1,975	2,659	3,385	3,565
Cleared	982	1,181	642	1,435	2,216	2,892	3,587	3,743
Cuba:								
Entered	2,018	3,030	3,450	4,769	5,875	6,160	5,988	6,186
Cleared	1,766	2,449	3,560	4,659	5,832	6,197	5,823	6,044
Dominican Republic:								
Entered	111	179	345	380	713	833	614	810
Cleared	94	200	404	449	920	1,006	815	1,045
Haiti:								
Entered	106	123	108	105	220	229	190	157
Cleared	81	124	186	230	204	215	200	194
Argentina:								
Entered	207	792	633	1,006	966	809	540	411
Cleared	328	619	762	707	997	816	592	319
Brazil:								
Entered	587	1,131	550	552	918	1,141	881	744
Cleared	253	558	841	913	1,252	1,042	925	855
Chile:								
Entered	206	462	853	975	1,387	1,422	796	263
Cleared	138	327	797	793	1,058	1,012	642	221
Colombia:								
Entered	195	199	231	144	958	1,313	1,029	1,144
Cleared	172	196	213	226	966	1,045	919	1,054
British East Indies:								
Entered	238	329	347	576	833	910	834	668
Cleared	107	131	204	330	428	482	460	298

No. 448.—Net Tonnage of Vessels Entered and Cleared at Seaports in Foreign Trade: By Countries of Origin and Destination—Contd.

Country	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1930	1921	1932
China, Hong Kong, and Kwantung:								
Entered	346	442	519	959	1,044	1,117	1,124	784
Cleared	389	391	479	963	894	700	897	504
Japan:								
Entered	441	646	733	1,607	2,320	2,212	1,912	1,753
Cleared	351	542	796	2,106	3,284	3,682	3,650	3,458
Philippine Islands:								
Entered	63	85	132	408	611	683	801	1,032
Cleared	93	144	124	359	503	493	398	365
Oceania:								
Entered	256	238	379	509	931	1,013	754	743
Cleared	413	534	567	946	1,396	1,165	803	895
All other countries:								
Entered	2,117	2,725	2,094	3,165	6,649	8,036	6,566	5,614
Cleared	1,788	2,240	1,938	3,149	6,913	8,083	6,658	5,366

No. 449.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: By Nationality of Vessel

Note.—**In thousands of net tons.** Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See Tables 446 and 447 in which the columns for northern border represent trade with Quebec and Ontario. For periods covered see note, Table 448

	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1930	1931	1932
Total by sea:								
Entered	26,362	35,212	37,604	52,959	63,768	66,499	60,427	55,229
Cleared	26,206	34,965	39,417	53,578	64,441	66,500	61,204	54,900
American:								
Entered	4,044	4,753	13,327	22,526	23,182	24,620	21,499	20,643
Cleared	4,023	4,778	14,171	22,556	23,338	24,154	21,417	20,204
Total foreign:								
Entered	22,318	30,459	24,276	30,433	40,586	41,879	38,929	34,586
Cleared	22,182	30,186	25,245	31,022	41,102	42,346	39,787	34,695
Belgian:								
Entered	262	412	269	332	374	356	329	229
Cleared	269	404	283	343	370	353	320	241
British:								
Entered	13,564	17,901	14,168	16,807	20,189	19,679	17,618	15,565
Cleared	13,422	17,814	14,755	17,064	20,291	19,628	17,974	15,485
Danish:								
Entered	398	472	774	929	1,136	1,058	1,030	815
Cleared	398	450	795	928	1,168	1,048	1,029	831
Dutch:								
Entered	667	1,004	1,007	1,300	1,798	2,090	1,974	1,502
Cleared	661	1,007	1,055	1,292	1,809	2,114	1,986	1,498
French:								
Entered	636	997	876	1,492	1,870	2,064	1,752	1,556
Cleared	642	990	919	1,518	1,905	2,066	1,728	1,623
German:								
Entered	3,160	4,362	107	847	2,654	3,615	3,660	3,486
Cleared	3,171	4,300	79	870	2,736	3,672	3,702	3,484
Italian:								
Entered	542	821	1,211	1,490	2,175	1,926	1,808	1,824
Cleared	538	850	1,366	1,569	2,160	1,883	1,822	1,725
Japanese:								
Entered	127	353	1,099	2,059	2,618	2,791	2,526	2,287
Cleared	107	244	1,046	2,235	2,741	2,959	2,734	2,442
Norwegian:								
Entered	1,941	2,679	2,744	2,817	4,026	4,242	3,999	3,572
Cleared	1,946	2,684	2,822	2,784	4,136	4,475	4,180	3,637
Spanish:								
Entered	424	413	606	480	571	494	497	434
Cleared	420	398	637	487	586	509	492	422
Swedish:								
Entered	62	70	353	564	985	1,124	1,060	993
Cleared	65	70	367	566	1,005	1,126	1,080	987
All other foreign:								
Entered	535	975	1,062	1,317	2,190	2,440	2,686	2,323
Cleared	542	977	1,122	1,366	2,206	2,513	2,740	2,320

Source of Tables 448 and 449: Bureau of Foreign and Domestic Commerce.

No. 450.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE

NOTE.—**All figures except percentages expressed in millions of dollars.** Figures cover fiscal years ended Sept. 30, 1830 and 1840, and June 30, 1850 to 1915, calendar years thereafter

Yearly average or year	Exports (including reexports)					Imports					Water borne—per cent in American vessels	
	Total	Total by water	In American vessels	In foreign vessels	By cars, aircraft, etc. [1]	Total	Total by water	In American vessels	In foreign vessels	By cars, aircraft, etc. [1]	Exports	Imports
1830 [2]	74	74	64	10	(3)	71	71	66	5	(3)	86.6	93.1
1840 [2]	132	132	106	27	(3)	107	107	93	14	(3)	80.0	87.6
1850 [2]	152	152	100	52	(3)	178	178	140	39	(3)	65.5	78.4
1860 [2]	400	400	279	121	(3)	362	362	228	134	(3)	70.0	63.0
1870 [2]	451	451	170	281	(3)	462	462	153	309	(3)	37.7	33.1
1871-1875 [2]	586	578	157	422	8	599	584	170	414	16	27.1	35.1
1876-1880 [2]	711	704	142	562	7	514	501	147	354	13	20.2	29.3
1881-1885	792	773	100	673	19	667	646	130	517	21	12.9	20.1
1886-1890	738	714	76	638	25	717	685	122	563	33	10.6	17.8
1891-1895	892	851	73	778	42	785	748	125	623	38	8.6	16.7
1896-1900	1,157	1,079	78	1,001	79	742	706	101	604	36	7.2	14.4
1901-1905	1,454	1,316	97	1,218	138	972	909	122	787	63	7.4	13.5
1906-1910	1,779	1,576	128	1,448	203	1,345	1,262	159	1,103	83	8.1	12.6
1911-1915	2,371	2,049	187	1,862	322	1,712	1,590	198	1,392	123	9.1	12.5
1915-1920 [4]	6,515	5,712	1,556	4,156	803	3,358	2,961	978	1,984	397	27.2	33.0
1921-1925	4,397	3,788	1,405	2,383	609	3,450	3,013	978	2,035	437	37.1	32.5
1926-1930	4,777	3,983	1,382	2,600	795	4,033	3,509	1,129	2,380	524	34.7	32.2
1920	8,228	7,252	3,165	4,087	976	5,279	4,731	1,988	2,743	548	43.6	42.0
1921	4,485	3,888	1,402	2,486	597	2,509	2,187	765	1,422	[1] 322	36.1	35.0
1922	3,832	3,281	1,261	2,020	551	3,113	2,704	921	1,783	409	38.4	34.1
1923	4,168	3,539	1,358	2,181	629	3,792	3,312	1,040	2,272	481	38.4	31.4
1924	4,591	4,010	1,532	2,478	[1] 581	3,610	3,145	1,012	2,133	466	38.2	32.1
1925	4,910	4,224	1,473	2,751	686	4,227	3,716	1,151	2,565	510	34.9	31.0
1926	4,809	4,050	1,401	2,649	759	4,431	3,891	1,195	2,696	540	34.6	30.7
1927	4,865	4,097	1,434	2,663	768	4,185	3,662	1,215	2,447	523	35.0	33.2
1928	5,128	4,277	1,472	2,804	851	4,091	3,550	1,133	2,418	541	34.4	31.9
1929	5,241	4,322	1,487	2,835	920	4,399	3,807	1,205	2,602	592	34.4	31.6
1930	3,843	3,168	1,117	2,051	675	3,061	2,635	898	1,737	426	35.3	34.1
1931	2,424	2,043	732	1,311	382	2,091	1,829	619	1,210	262	35.8	33.8
1932	1,611	1,385	476	909	226	1,323	1,164	431	734	158	34.4	37.0

TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels	Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels
1830 [2]	145	130	15	89.7	1921-1925	6,801	2,383	4,418	35.0
1840 [2]	239	198	41	82.3	1926-1930	7,492	2,511	4,980	33.5
1850 [2]	330	239	91	72.5					
1860 [2]	762	507	255	66.5	1920	11,983	5,153	6,830	43.0
1870 [2]	913	323	590	35.6	1921	6,075	2,167	3,908	35.7
					1922	5,985	2,183	3,803	36.5
1871-1875 [2]	1,162	326	835	30.6	1923	6,850	2,398	4,453	35.0
1876-1880 [2]	1,206	289	917	23.9	1924	7,155	2,544	4,611	35.7
1881-1885	1,419	229	1,190	16.2	1925	7,940	2,624	5,316	33.0
1886-1890	1,398	198	1,200	14.1					
1891-1895	1,598	198	1,400	12.4	1926	7,941	2,596	5,345	34.0
					1927	7,759	2,649	5,110	34.1
1896-1900	1,784	179	1,605	10.0	1928	7,827	2,605	5,222	33.3
1901-1905	2,225	220	2,005	9.9	1929	8,129	2,692	5,437	33.1
1906-1910	2,838	287	2,552	10.1	1930	5,803	2,015	3,788	34.7
1911-1915	3,639	385	3,254	10.6					
1915-1920 [4]	8,673	2,534	6,140	29.2	1931	3,871	1,351	2,520	34.9
					1932	2,549	907	1,643	35.6

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

Source: Bureau of Foreign and Domestic Commerce.