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

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

No. 388.—TELEPHONE SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES, REVENUE, AND INVESTMENT

NOTE.—The more detailed data were collected only for companies reporting an annual income of $5,000 or more previous to 1922 and $10,000 or more in 1922, 1927, and 1932

[All money figures in thousands of dollars]

	1907	1912	1917	1922	1927	1932
ALL SYSTEMS						
Number of systems and lines	22,971	32,233	53,234	57,253	60,148	44,828
Miles of wire (thousands)	12,999	20,248	28,827	37,266	63,836	87,678
Number of telephones (thousands)	6,119	8,730	11,717	14,347	18,523	17,424
Number of calls originating with systems reporting (millions)	(1)	(1)	21,846	24,648	31,614	30,048
Number of employees	(1)	(1)	262,629	312,015	375,272	334,085
Salaries and wages	(1)	(1)	175,670	352,926	486,597	458,117
Revenue, operating [2]	(1)	(1)	382,830	665,568	1,023,574	1,061,530
Investment in plant and equipment	(1)	(1)	1,492,329	2,205,183	3,548,875	4,791,903
SYSTEMS REPORTING ANNUAL INCOME OF $5,000 OR MORE, 1907–1917, AND THOSE REPORTING $10,000 OR MORE, 1922–1932						
Number of systems and lines	1,636	1,916	2,200	1,323	1,368	918
Miles of wire, total (thousands)	11,922	19,019	27,298	35,503	62,277	86,484
Underground	(3)	9,165	14,849	21,440	39,893	55,236
Overhead	(3)	9,854	12,449	14,063	22,384	31,248
Exchange lines	(3)	16,336	23,723	30,907	54,281	(4)
Toll lines	(3)	2,683	3,575	4,596	7,996	(4)
Number of telephones (thousands)	4,907	7,327	9,954	12,295	16,713	16,284
Number of central offices	10,613	11,515	12,294	10,666	11,485	12,724
Number of private-branch exchanges	28,276	52,651	80,914	102,622	(4)	(4)
Number of calls originating with systems reporting (millions)	10,400	13,736	19,809	21,901	29,196	29,100
Local exchange	10,161	13,395	19,366	21,235	28,109	(4)
Long distance or toll	240	341	443	666	1,087	(4)
Number of employees	131,670	183,361	244,490	290,333	356,739	320,763
Salaries and wages	65,009	96,041	169,655	341,538	475,840	451,478
Operators (included above):						
Number	72,518	96,332	138,971	159,558	(4)	(4)
Male	2,457	1,972	1,679	932	(4)	(4)
Female	70,061	94,360	137,292	158,626	(4)	(4)
Wages	22,637	32,474	66,137	138,897	(4)	(4)
BELL SYSTEM (INCLUDED ABOVE)						
Miles of wire (thousands)	8,947	15,133	23,134	30,614	56,819	80,586
Number of telephones (thousands)	3,132	5,087	7,327	9,515	13,726	13,793
Number of originating calls (millions)	6,401	9,133	14,598	16,567	23,693	25,061
SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN $5,000, 1907–1917, AND LESS THAN $10,000, 1922–1932						
Miles of wire (thousands)	1,077	1,229	1,529	1,763	1,559	1,193
Number of telephones (thousands)	1,212	1,403	1,763	2,052	1,810	1,140
Number of originating calls (millions)	(3)	(3)	2,037	2,746	2,418	948

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

Source: Bureau of the Census, Department of Commerce.

No. 389.—TELEPHONE SYSTEMS: Miles of Wire, Number of Telephones, and Number of Originating Calls, All Systems and Lines, by States

Division and State	Miles of wire		Number of telephones				Telephones per 1,000 population, 1932	Number of originating calls (millions)	
	1927	1932	1912	1922	1927	1932		1927	1932
United States	63,836,182	87,677,586	8,729,592	14,347,395	18,522,767	17,424,406	139	31,614	30,048
New England	5,586,569	7,682,588	625,488	1,223,497	1,548,931	1,513,939	183	2,328	2,458
Maine	326,120	517,144	68,914	113,725	131,367	124,372	155	214	205
New Hampshire	211,448	288,990	40,017	68,874	83,066	79,506	170	117	127
Vermont	105,645	149,129	40,142	54,530	60,793	58,133	161	84	86
Massachusetts	3,165,833	4,099,247	329,992	687,700	867,888	832,740	193	1,334	1,368
Rhode Island	429,451	595,303	41,664	92,766	114,944	110,671	158	117	176
Connecticut	1,348,072	2,032,775	104,759	205,902	290,873	308,517	188	462	496
Middle Atlantic	19,992,689	27,399,025	1,782,145	3,249,710	4,588,211	4,613,733	172	6,908	6,905
New York	11,592,418	15,385,557	970,449	1,780,563	2,595,537	2,628,537	204	3,935	4,000
New Jersey	3,012,459	4,382,769	185,632	383,496	599,336	642,830	154	774	838
Pennsylvania	5,387,812	7,630,699	626,064	1,085,651	1,393,338	1,342,366	138	2,199	2,067
East North Central	15,223,410	21,574,370	2,378,257	3,693,101	4,589,751	4,034,931	156	7,538	6,504
Ohio	3,658,505	5,545,857	631,206	962,837	1,122,036	978,394	144	1,958	1,712
Indiana	1,558,005	2,223,608	354,550	508,726	552,249	444,996	136	1,061	863
Illinois	5,688,146	7,599,337	807,253	1,283,449	1,685,690	1,507,222	193	2,571	2,206
Michigan	2,967,217	4,263,778	335,074	508,140	711,315	621,958	124	1,140	982
Wisconsin	1,351,537	1,941,790	250,174	429,949	518,461	482,361	162	808	741
West North Central	6,044,901	7,641,354	1,621,523	2,315,996	2,594,081	2,260,985	169	4,577	3,960
Minnesota	1,422,716	1,610,192	272,359	424,777	487,611	443,682	171	931	849
Iowa	960,226	1,310,798	380,294	533,347	565,533	484,879	196	916	775
Missouri	1,988,764	2,620,741	404,150	550,980	657,946	592,153	162	1,269	1,157
North Dakota	140,923	161,225	51,241	77,586	86,198	69,241	101	129	143
South Dakota	154,601	177,521	65,858	101,555	107,641	88,798	127	171	119
Nebraska	606,425	736,632	201,689	273,500	295,274	247,551	178	524	367
Kansas	771,246	1,024,245	245,932	354,251	393,878	334,681	176	637	550
South Atlantic	4,244,852	5,760,130	531,402	937,324	1,262,222	1,250,882	78	2,426	2,430
Delaware	118,539	210,300	15,842	23,534	28,901	32,537	135	53	58
Maryland	936,353	1,076,460	84,801	153,790	197,135	212,014	128	294	317
District of Columbia	540,152	675,044	46,603	102,231	144,985	180,785	366	186	235
Virginia	615,286	876,581	76,652	155,490	183,698	196,956	81	382	420
West Virginia	349,899	445,781	80,251	116,081	146,677	134,150	76	279	243
North Carolina	392,455	706,829	65,152	116,129	160,507	143,710	44	379	321
South Carolina	171,678	290,599	33,239	54,078	64,616	57,215	33	146	148
Georgia	538,751	772,176	96,436	136,334	173,410	151,264	52	437	415
Florida	581,739	706,360	32,426	79,657	162,293	142,251	92	270	273
East South Central	2,001,125	2,587,978	337,292	521,120	644,270	547,440	55	1,537	1,401
Kentucky	722,120	863,293	130,751	201,545	222,735	191,236	72	485	407
Tennessee	642,096	850,951	104,353	171,413	220,559	192,983	73	559	539
Alabama	421,927	580,087	56,292	84,401	121,115	100,813	37	313	282
Mississippi	214,982	293,647	45,896	63,761	79,861	62,408	31	180	173
West South Central	3,619,976	5,028,077	543,102	872,157	1,149,357	1,002,389	81	2,649	2,591
Arkansas	318,868	366,944	68,303	99,490	118,178	86,676	46	239	193
Louisiana	560,262	694,367	46,602	87,354	137,610	132,735	62	385	392
Oklahoma	655,102	1,173,051	116,217	222,889	278,912	241,453	99	581	571
Texas	2,085,744	2,793,715	311,980	462,424	614,657	541,525	90	1,444	1,435
Mountain	1,198,550	1,640,855	226,652	385,730	456,198	446,492	119	780	802
Montana	135,536	181,485	35,537	55,115	59,238	55,361	103	81	96
Idaho	111,940	134,096	29,454	48,745	54,822	49,201	110	128	93
Wyoming	60,622	85,233	9,946	24,949	28,049	28,346	123	39	49
Colorado	559,873	717,589	90,397	150,652	183,250	179,063	171	313	300
New Mexico	48,765	84,722	10,346	18,342	21,580	23,100	53	35	43
Arizona	89,305	158,261	11,224	24,353	33,194	36,064	80	37	68
Utah	167,393	231,113	34,064	53,261	63,106	60,082	116	127	130
Nevada	25,116	48,356	5,684	10,313	12,959	15,275	164	20	23
Pacific	5,924,110	8,363,209	683,731	1,148,760	1,689,746	1,753,615	205	2,871	2,997
Washington	739,138	1,029,949	150,016	238,275	299,109	276,530	174	554	560
Oregon	490,820	599,201	99,713	146,847	185,171	166,639	170	331	307
California	4,694,152	6,734,059	434,002	763,638	1,205,466	1,310,446	219	1,986	2,130

Source: Bureau of the Census, Department of Commerce.

No. 390.—TELEPHONE SYSTEMS: Total Number of Telephones and Miles of Wire, all Systems, and Number of Telephones in the Bell System

Dec. 31—	Total telephones [1]	Total miles of wire [1]	Telephones in Bell System [2]	Dec. 31—	Total telephones [1]	Total miles of wire [1]	Telephones in Bell System [2]
1895	339,500	722,000	309,502	1925	16,935,900	52,200,000	16,720,224
1900	1,355,900	2,807,000	855,911	1926	17,746,000	57,960,000	17,574,252
1905	4,126,900	8,470,000	2,530,924	1927	[3]18,522,767	[3]63,836,182	18,365,486
1910	7,635.400	16,937,000	5,882,719	1928	19,341,000	69,130,000	19,197,035
1915	10,523,500	24,792,000	9,172,495	1929	20,068,000	76,460,000	19,958,000
1918	12,077,600	29,880,000	11,065,999	1930	20,201,000	83,110,000	20,098,059
1919	12,668,500	30,413,000	11,795,747	1931	19,690,000	86,100,000	19,596,000
1920	13,329,400	32,000,000	12,601,935	1932	[3]17,424,406	[3]87,677,586	17,341,000
1921	13,875,200	34,000,000	13,380,219	1933	16,711,000	87,000,000	16,635,000
1922	[3]14,347,395	[3]37,265,958	14,050,565	1934	[4]16,899,000	86,800,000	[4]16,797,000
1923	15,369,500	41,400,000	15,000,101	1935	[4]17,424,000	87,200,000	[4]17,354,000
1924	16,072,500	46,500,000	15,906,550	1936	[4]18,433,000	88,100,000	[4]18,362,000

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

Source: American Telephone & Telegraph Co.

No. 391.—AMERICAN TELEPHONE & TELEGRAPH CO. AND PRINCIPAL TELEPHONE SUBSIDIARIES (BELL TELEPHONE SYSTEM): Summary of Statistics as of December 31

Note.—Data in this table differ from those previously shown in that they exclude The Southern New England Telephone Co. and The Cincinnati and Suburban Bell Telephone Co., which are non-controlled, and include certain controlled telephone companies not heretofore included

	1920	1925	1930	1935	1936
Telephones (thousands)	8,134	11,910	15,187	13,573	14,454
Central offices (number)	5,767	6,147	6,639	6,896	6,921
Miles of pole line	362,481	394,529	428,212	407,454	404,161
Miles of wire, total (thousands)	24,863	44,943	74,124	78,626	79,373
In underground cable	14,207	27,769	45,116	47,639	48,195
In aerial cable	6,945	12,835	23,777	26,425	26,639
Open wire	3,711	4,339	5,231	4,562	4,539
Percent total wire mileage in cable	85.1	90.3	92.9	94.2	94.3
Average daily telephone conversations (thousands)	33,125	50,141	64,034	60,290	64,975
Exchange	31,818	48,051	61,150	58,066	62,485
Toll and long distance	1,307	2,090	2,884	2,224	2,490
Total plant (thousand dollars)	1,373,802	2,566,809	4,028,836	4,187,790	4,259,263
Employees (number)	228,943	292,902	318,119	241,169	255,814

Source: American Telephone & Telegraph Co.

No. 392.—TELEPHONE SYSTEMS: Reports to the Interstate Commerce Commission and to the Federal Communications Commission

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

Year	Miles of wire (thousands)	Number of company telephones (thousands)	Employees		Operating revenues [1]	Operating expenses [1]	Operating taxes	Net operating income [1]	Investment	
			Number on Dec. 31	Total compensation					Plant and equipment [1]	All other [1]
				Thousands of dollars						
All companies:										
1916	23,699	8,963	210,874	(2)	314,801	209,233	17,123	(2)	1,217,756	(2)
1920	29,640	(2)	(2)	(2)	530,349	(2)	(2)	88,024	1,704,304	1,122,289
1925	49,773	13,875	(2)	(2)	818,218	556,993	63,632	193,599	2,790,056	1,633,124
1930	82,783	17,904	364,732	(2)	1,209,665	831,500	92,855	277,135	4,445,139	2,658,091
1931	86,670	17,573	332,183	(2)	1,179,660	795,376	97,244	279,188	4,619,076	2,830,718
1932	88,303	15,681	300,485	(2)	1,049,757	715,675	92,837	228,865	4,660,663	2,783,658
1933	84,702	14,948	282,388	(2)	967,833	690,533	90,906	186,304	4,649,937	2,721,877
1934	84,158	15,100	280,834	396,738	973,647	685,408	95,058	193,093	4,623,724	[2] 2,650,887
1935	83,879	15,343	273,662	409,858	1,018,113	716,194	100,837	201,015	4,586,018	[3] 2,642,420
1936	83,506	15,777	282,749	434,714	1,079,940	724,329	121,619	233,946	4,556,035	[3] 2,648,114
Class A companies:										
1925	48,487	13,037	(2)	(2)	792,428	539,072	61,699	186,777	2,674,926	1,631,335
1930	81,517	17,128	352,535	(2)	1,183,503	813,734	90,956	269,717	4,312,385	2,652,428
1934	83,892	14,957	278,401	394,760	969,218	681,996	94,678	192,454	4,599,931	[3] 2,649,197
1935	83,702	15,258	272,189	408,676	1,015,151	713,992	100,582	200,509	4,571,309	[3] 2,640,896
1936	83,417	15,731	281,941	434,018	1,078,232	723,031	121,477	233,677	4,548,727	[3] 2,647,941

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

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

No. 393.—RADIOTELEGRAPH CARRIERS: Reports to the Federal Communications Commission

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

[All money figures in thousands of dollars]

	1934	1935	1936
Operating revenues	7,428	7,963	8,843
Operating expenses	7,023	7,844	8,303
Tax accruals	279	214	397
Operating income	166	[1] *275*	172
Net income	[1] *141*	[1] *641*	[1] *46*
Revenue messages transmitted (thousands)	5,086	6,876	8,421
Number of employees on June 30	2,362	2,815	3,026
Total compensation for year	4,042	4,205	4,569
Investment in plant and equipment	30,906	31,420	31,353
Capital stock	7,466	7,667	8,695
Unmatured funded debt	3,789	4,144	968

[1] Deficit.

Source: Federal Communications Commission.

No. 394.—TELEGRAPH AND CABLE SYSTEMS: Reports to the Interstate Commerce Commission and to the Federal Communications Commission

[All money figures in thousands of dollars]

Year	Miles of wire (thousands)	Investments		Operating revenues	Operating ratio (per cent)	Operating income	Net income	Dividends	Employees	
		Plant and equipment	Other						Number on June 30	Total compensation
All companies:										
1916	1,936	149,936	(1)	74,847	73.77	(1)	13,955	6,066	(1)	(1)
1920	1,781	258,097	21,275	153,264	(1)	21,512	16,158	11,471	(1)	(1)
1922	1,874	279,402	19,907	138,190	(1)	22,894	18,138	13,960	(1)	(1)
1923	1,894	288,481	27,001	144,610	81.11	21,025	16,656	9,309	(1)	(1)
1924	1,946	307,143	27,565	146,176	81.94	20,229	15,805	9,386	(1)	(1)
1925	2,075	321,687	28,191	162,693	81.64	23,204	18,854	9,066	81,601	(1)
1926	2,056	338,794	27,017	165,831	82.81	21,767	16,806	10,750	83,437	(1)
1927	2,207	379,514	27,434	170,843	80.58	25,714	21,046	11,618	81,323	(1)
1928	2,317	396,609	32,190	177,019	81.18	26,335	21,662	11,680	83,027	(1)
1929	2,365	411,725	54,285	188,574	82.59	26,333	21,611	18,828	92,958	(1)
1930	2,381	450,223	38,640	169,643	86.16	17,930	10,730	20,073	90,349	(1)
1931	2,349	463,171	25,498	142,792	87.78	12,662	4,029	9,588	77,559	(1)
1932	2,337	465,639	22,417	110,302	89.88	6,168	[2] *3,123*	2,461	65,116	(1)
1933	2,353	466,701	24,637	109,040	85.02	11,124	2,895	816	62,342	64,719
1934	2,399	501,754	55,057	119,053	86.35	11,024	1,058	1,796	68,621	73,129
1935	2,401	501,141	54,514	122,208	83.93	14,426	4,251	4,816	66,172	72,171
1936	2,426	502,005	55,202	132,699	82.89	16,818	6,928	1,845	69,998	78,483
Western Union Co.: 1936	1,909	329,614	19,383	98,420	81.52	13,461	7,199	784	49,664	59,930
Postal Telegraph-Cable Co. (land line system): 1936	408	82,596	1,224	23,635	91.07	1,447	[2] *1,373*	--------	16,539	13,823

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

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

No. 395.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: Equipment, Traffic, Employees, and Finances

	1902	1912	1917	1922	1927	1932
Miles of pole line [1]	237,990	247,528	241,128	252,991	256,809	256,661
Miles of single wire [2]	**1,318,350**	**1,814,196**	**1,890,245**	**1,853,250**	**2,145,897**	**2,266,054**
Aerial	(3)	(3)	1,809,482	1,718,251	1,940,069	1,956,003
Underground	(3)	(3)	77,187	131,448	200,979	303,912
Submarine	(3)	(3)	3,576	3,551	4,849	6,139
Nautical miles of ocean cable	16,677	67,676	71,251	76,711	99,074	96,468
Number of offices	27,377	30,864	28,940	27,354	27,666	26,047
Operated jointly with railway companies	(3)	26,247	23,272	21,906	21,449	18,816
Messages sent (thousands)	**91,655**	**109,378**	[4] **127,074**	**191,121**	**229,582**	**158,378**
Governmental	(3)	(3)	4,597	3,199	2,732	3,655
Full commercial rate	(3)	(3)	110,618	175,847	214,164	146,162
Contract rate and free	(3)	(3)	11,858	12,075	12,686	8,561
Number of employees	27,627	[5] 44,811	64,723	68,632	81,498	66,723
Salaries and wages ($1,000)	15,040	[5] 24,965	43,764	76,162	99,520	73,949
Revenue, operating ($1,000)	35,301	60,403	106,990	146,805	177,589	114,656
Investment in plant and equipment ($1,000)	161,680	222,047	243,358	326,662	426,699	506,445

[1] Exclusive of pole line owned and operated wholly by railway companies.
[2] Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of $1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles; 1932, 337,059 miles. No data for 1902.
[3] Figures not available. [4] Excluding 31,102,577 lettergrams not distributed according to rate.
[5] The number of employees includes 7,516 messengers whose wages are not included in figure for salaries and wages.

Source: Bureau of the Census, Department of Commerce.

No. 396.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, AND FINANCES

	Land systems				Ocean systems			
	1917	1922	1927	1932	1917	1922	1927	1932
Miles of pole line [1]	241,012	252,991	254,720	256,215	116	--------	2,089	446
Miles of single wire [2]	**1,888,793**	**1,845,237**	**2,138,259**	**2,259,827**	**1,452**	**8,013**	**7,638**	**6,227**
Aerial	1,808,325	1,714,211	1,936,611	1,952,432	1,157	4,040	3,458	3,571
Underground	76,892	127,475	197,058	301,560	295	3,973	3,921	2,352
Submarine	3,576	3,551	4,590	5,835	--------	--------	259	304
Nautical miles of ocean cable	--------	--------	--------	--------	71,251	76,711	99,074	96,468
Number of offices	28,826	27,214	27,530	25,901	114	140	136	146
Operated jointly with railway companies	23,272	21,906	21,449	18,816	--------	--------	--------	--------
Messages sent, thousands	**[3] 120,623**	**181,519**	**215,595**	**147,941**	**6,451**	**9,603**	**13,987**	**10,437**
Governmental	4,309	3,130	2,657	3,583	288	69	75	72
Full commercial rate	106,159	166,730	200,381	135,797	4,459	9,117	13,783	10,365
Contract rate and free	10,154	11,659	12,557	8,561	1,704	417	129	--------
Number of employees	60,376	62,299	74,903	60,983	4,347	6,333	6,595	5,790
Salaries and wages ($1,000)	40,512	68,737	89,984	66,988	3,252	7,425	9,536	6,961
Revenue, operating ($1,000)	91,313	128,631	159,682	97,729	15,677	18,174	17,907	16,927
Investment in plant and equipment ($1,000)	[4] 163,488	254,030	338,143	415,694	[5] 79,871	72,632	88,556	90,751

[1] Exclusive of pole line owned and operated wholly by railway companies.
[2] Exclusive of wire owned and operated wholly by railway companies having annual operating revenues of $1,000,000 or more: 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles; 1932, 337,059 miles.
[3] In addition, 31,102,577 lettergrams, not distributed according to rate, were reported.
[4] Not including land-line system plant and equipment to the value of $20,000,000 reported as cable-system plant and equipment for 1917.
[5] Includes land-line-system plant and equipment to the value of $20,000,000.

No. 397.—WESTERN UNION TELEGRAPH CO.: MILEAGE OF LINES AND WIRES, NUMBER OF OFFICES, AND FINANCES

Year ended—	Miles of pole line and cable	Miles of wire	Number of offices	Receipts	Expenses	Net income [1]
June 30—				*Dollars*	*Dollars*	*Dollars*
1867	46,270	85,291	2,565	6,568,925	3,944,006	2,624,920
1870	54,109	112,191	3,972	7,138,738	4,910,772	2,227,966
1875	72,833	179,496	6,565	9,564,575	6,335,415	3,229,158
1880	85,645	233,534	9,077	12,782,895	6,948,957	5,833,938
1885	147,500	462,283	14,184	17,706,834	12,005,910	5,700,924
1890	183,917	678,997	19,382	22,387,029	15,074,304	7,312,725
1895	189,714	802,651	21,360	22,218,019	16,076,630	6,141,389
1900	192,705	933,153	22,900	24,758,570	18,593,206	6,165,364
1905	200,224	1,184,557	23,814	29,033,635	21,845,570	7,188,065
1910	214,360	1,429,049	24,825	33,889,202	26,614,302	7,274,900
Dec. 31—						
1915	238,940	1,610,709	25,142	52,475,721	40,972,541	11,503,180
1919	245,560	1,433,978	25,159	[2] 104,082,147	[2] 90,312,033	[2] 13,770,114
1920	246,214	1,449,710	24,881	121,473,685	108,134,041	13,339,644
1921	246,064	1,521,085	24,632	105,228,075	95,542,563	9,685,512
1922	242,729	1,534,009	24,580	107,116,306	93,910,954	13,205,352
1923	244,001	1,557,399	24,678	113,628,470	99,982,165	13,646,305
1924	246,742	1,593,963	24,478	115,235,563	101,815,734	13,419,829
1925	246,307	1,635,236	24,428	129,151,617	112,861,832	16,289,785
1926	249,916	1,668,293	24,688	136,406,026	121,098,832	15,307,194
1927	251,756	1,783,140	24,765	134,460,816	119,328,218	15,132,598
1928	255,088	1,889,632	24,842	139,387,321	123,817,517	15,569,804
1929	256,044	1,934,020	25,061	148,449,854	132,872,815	15,577,039
1930	256,763	1,948,938	24,298	133,235,751	123,987,519	9,248,232
1931	258,652	1,913,485	23,490	110,547,245	104,572,745	5,974,500
1932	258,020	1,899,174	21,950	84,581,963	85,412,568	[3] *830,605*
1933	257,274	1,902,327	21,261	84,993,425	80,628,543	4,364,882
1934	255,781	1,902,799	21,078	88,757,205	86,514,121	2,243,084
1935	254,691	1,905,858	20,964	91,389,312	86,131,234	5,258,078
1936	253,745	1,908,915	20,968	100,036,603	92,837,483	7,199,120

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

Sources: table 396, Bureau of the Census, Department of Commerce; table 397, Western Union Telegraph Co.

17.—POWER—ELECTRIC AND OTHER

[Data in this section relate to continental United States]

No. 398.—ANNUAL SUPPLY OF ENERGY FROM MINERAL FUELS AND WATER POWER IN THE UNITED STATES

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

Annual average or year	Anthracite [1]	Bituminous	Total coal	Domestic oil	Natural gas	Imported oil	Water power [2]	Grand total fuels and water power	Equivalent in bituminous coal [3]	
									Million tons of 2,000 lbs.	Per capita, tons
1871–1875	637	754	1,391	49	--------	--------	(2)	1,520	58	1.4
1876–1880	718	955	1,673	101	--------	--------	(2)	1,857	71	1.5
1881–1885	985	1,863	2,848	153	[4] 24	--------	(2)	3,110	119	2.2
1886–1890	1,195	2,474	3,669	198	[4] 264	--------	(2)	4,221	161	2.7
1891–1895	1,453	3,286	4,739	307	[4] 166	--------	104	5,316	203	3.0
1896–1900	1,513	4,493	6,006	357	[4] 198	--------	129	6,690	255	3.5
1901–1905	1,818	7,140	8,958	612	323	--------	209	10,102	386	4.8
1906–1910	2,207	9,783	11,990	1,037	470	1	369	13,867	529	5.9
1911–1915	2,427	11,527	13,954	1,486	619	72	591	16,722	638	6.6
1916–1920	2,523	13,981	16,504	2,176	820	297	851	20,648	788	7.6
1921–1925	2,112	12,610	14,722	3,888	1,024	569	1,105	21,308	813	7.3
1926–1930	2,084	13,595	15,679	5,375	1,760	408	1,781	25,002	954	8.0
1931–1935	1,460	9,207	10,667	5,336	1,824	230	1,931	19,988	763	6.1
1932	1,356	8,114	9,470	4,711	1,673	268	1,900	18,022	688	5.5
1933	1,348	8,741	10,089	5,434	1,672	191	1,931	19,317	737	5.9
1934	1,555	9,415	10,970	5,448	1,904	213	1,896	20,431	780	6.2
1935	1,419	9,756	11,175	5,980	2,060	193	2,207	21,615	825	6.5
1936 (preliminary)	1,489	11,373	12,862	6,591	2,231	194	2,256	24,134	921	7.2

[1] Not including bootleg or stolen coal; if this were included the energy from anthracite and the total energy in 1935 and 1936 would be increased by approximately 109 trillion British thermal units.

[2] The fuel equivalent for water power is calculated from the reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in the total.

[3] Calculated at 26,200,000 British thermal units per ton.

[4] Based on the amount of coal displaced by gas, as estimated by the gas companies.

No. 399.—ELECTRICITY PRODUCED, CONSUMPTION OF FUEL, AND CAPACITY OF GENERATORS IN PUBLIC-UTILITY POWER PLANTS

NOTE.—Data are estimated totals for all plants, based on returns from about 3,500 plants in 1919 to about 3,745 in 1936, each producing 10,000 kilowatt-hours or more per month, engaged in public service, including central stations, electric railways, steam railroads generating electricity for traction, and certain other plants. The capacity of plants reporting is about 95 percent of that of all plants. For Bureau of the Census data for 1902 and 1912, see the 1936 Statistical Abstract, table 396.

Calendar year	Production of electricity			Consumption of fuel			Consumption—Coal or coal equivalent		Capacity of generators (thousand kilowatts)
	Total	Water power	Fuel power	Coal (thousand tons [1])	Fuel oil (thousand barrels [2])	Gas (million cubic feet)	Total (thousand tons [1])	Per kilowatt-hour (pounds)	
	Million kilowatt-hours								
1919	38,921	14,606	24,315	35,100	11,050	21,406	38,880	3.2	13,094
1920	43,555	16,150	27,405	37,124	13,123	24,702	41,420	3.0	14,399
1921	40,975	14,970	26,005	31,585	12,045	23,722	35,240	2.7	15,483
1922	47,654	17,207	30,447	34,179	13,197	27,172	38,000	2.5	15,971
1923	55,665	19,343	36,322	38,966	14,684	31,433	43,522	2.4	17,369
1924	59,014	19,969	39,044	37,556	16,630	48,443	43,130	2.2	19,519
1925	65,870	22,356	43,514	40,222	10,246	46,521	44,780	2.1	23,619
1926	73,791	26,189	47,602	41,311	9,399	53,207	45,856	1.95	25,398
1927	80,205	29,875	50,330	41,888	6,782	62,919	45,910	1.84	27,691
1928	87,850	34,696	53,154	41,350	7,158	77,326	46,387	1.76	29,630
1929	97,352	34,629	62,723	44,937	10,124	112,707	52,574	1.69	31,952
1930	95,936	33,021	62,915	42,898	9,260	120,290	50,654	1.62	34,264
1931	91,729	30,603	61,126	38,734	8,123	139,328	47,134	1.55	35,590
1932	83,153	34,098	49,055	30,290	7,967	107,875	36,600	1.50	36,061
1933	85,402	34,727	50,674	30,575	9,940	102,601	37,163	1.47	36,038
1934	91,150	34,058	57,092	33,555	10,379	127,896	41,266	1.47	35,874
1935	99,398	39,968	59,430	34,807	11,393	125,239	43,188	1.46	36,133
1936	113,602	40,937	72,665	42,025	14,119	156,080	51,987	1.44	36,616

[1] Of 2,000 pounds. [2] Of 42 gallons.

Sources: Table 398, Bureau of Mines, Department of the Interior; table 399, 1919 to 1935, Geological Survey, Department of the Interior; thereafter, Federal Power Commission. Monthly production of electricity and consumption of fuels published currently in mimeographed reports by latter office.

No. 400.—PRODUCTION OF ELECTRIC POWER AND CAPACITY OF GENERATORS IN PUBLIC-UTILITY POWER PLANTS: BY STATES

[Production in millions of kilowatt-hours; capacity of generators in thousands of kilowatts]

Division and State	Production of electric power										Capacity of generators, December
	Total						Generated by water power		Generated by fuel power		
	1920	1925	1930	1934	1935	1936	1935	1936	1935	1936	1936
United States	43,555	65,870	95,936	91,150	99,398	113,602	39,968	40,937	59,430	72,665	36,616
New England	3,407	4,824	6,400	6,371	6,914	7,497	2,950	2,853	3,964	4,645	2,927
Maine	352	509	731	870	929	981	907	920	22	61	265
New Hampshire	97	264	367	631	681	702	631	624	50	78	298
Vermont	200	258	480	442	531	527	531	526	(1)	(1)	177
Massachusetts	1,740	2,378	2,908	2,673	2,887	3,066	634	538	2,252	2,529	1,342
Rhode Island	334	408	547	473	512	617	4	4	508	613	243
Connecticut	684	1,007	1,367	1,284	1,375	1,605	244	242	1,131	1,363	602
Middle Atlantic	12,349	18,299	25,136	24,417	25,904	29,288	7,836	7,353	18,069	21,935	9,285
New York	6,939	10,267	14,404	13,419	14,082	15,811	6,192	5,914	7,890	9,897	5,319
New Jersey	1,096	1,506	2,857	3,524	3,576	4,001	26	23	3,550	3,978	1,067
Pennsylvania	4,314	6,526	7,875	7,475	8,246	9,476	1,618	1,416	6,628	8,060	2,899
East North Central	9,958	15,715	22,165	20,920	22,833	26,426	2,686	2,315	20,147	24,111	8,001
Ohio	2,930	4,387	5,942	5,948	6,676	7,716	21	19	6,655	7,696	2,165
Indiana	933	1,484	2,943	2,822	3,048	3,449	115	104	2,933	3,344	1,039
Illinois	3,043	5,269	6,851	6,090	6,087	7,490	272	242	5,814	7,248	2,202
Michigan	2,093	3,031	4,270	4,112	4,726	5,348	1,181	1,091	3,544	4,257	1,672
Wisconsin	960	1,542	2,159	1,949	2,296	2,424	1,096	858	1,200	1,566	923
West North Central	3,179	4,254	5,982	5,726	6,588	7,043	2,148	1,499	4,440	5,544	2,775
Minnesota	703	1,046	1,311	1,224	1,205	1,561	573	518	633	1,044	604
Iowa	1,017	1,195	1,574	1,437	1,788	1,765	877	701	911	1,064	620
Missouri	698	866	1,269	1,205	1,622	1,466	626	222	996	1,244	738
North Dakota	28	39	125	158	173	190	-------	-------	173	190	70
South Dakota	48	75	114	98	110	133	11	9	99	124	69
Nebraska	247	366	575	611	620	700	36	33	584	666	259
Kansas	438	667	1,014	992	1,069	1,228	25	16	1,044	1,212	415
South Atlantic	3,980	6,272	10,895	10,194	11,430	13,772	6,495	7,150	4,935	6,622	4,374
Delaware	76	102	18	6	7	9	-------	-------	7	9	31
Maryland	283	573	1,869	1,641	1,874	1,916	1,395	1,154	479	762	592
District of Columbia	255	350	548	545	586	749	12	11	574	738	222
Virginia	521	802	1,231	1,123	1,223	1,556	405	329	818	1,227	486
West Virginia	1,128	1,643	2,103	1,828	2,113	2,676	192	289	1,921	2,388	594
North Carolina	260	942	2,298	1,886	2,320	2,862	2,151	2,512	169	350	980
South Carolina	730	882	1,202	1,363	1,307	1,634	1,202	1,521	105	113	632
Georgia	595	661	937	1,131	1,280	1,555	1,108	1,291	172	264	474
Florida	133	318	688	670	719	814	30	43	689	772	362
East South Central	1,464	2,610	3,882	3,760	4,206	4,990	3,458	3,871	748	1,118	1,810
Kentucky	276	475	719	724	742	817	407	339	336	478	327
Tennessee	573	875	1,037	1,167	1,234	1,502	966	1,140	268	362	528
Alabama	550	1,169	2,065	1,815	2,173	2,603	2,086	2,393	88	210	888
Mississippi	66	91	62	53	56	69	-------	-------	56	69	67
West South Central	1,230	2,202	5,055	4,552	4,879	5,640	286	168	4,593	5,473	1,754
Arkansas	119	189	108	136	239	142	182	46	57	96	143
Louisiana	219	350	1,067	1,222	1,278	1,620	-------	-------	1,278	1,620	316
Oklahoma	214	394	958	753	824	936	2	2	822	934	329
Texas	679	1,268	2,922	2,442	2,538	2,942	102	119	2,436	2,823	967
Mountain	2,581	3,127	3,699	2,898	3,518	4,331	2,681	3,261	837	1,070	1,591
Montana	1,126	1,263	1,320	868	1,296	1,452	1,281	1,431	15	22	270
Idaho	591	754	912	685	672	796	672	796	1	1	248
Wyoming	47	56	98	82	94	115	28	38	66	77	47
Colorado	397	523	573	507	549	652	197	224	352	429	252
New Mexico	15	22	76	173	191	215	1	1	189	213	88
Arizona	159	131	384	345	378	510	273	335	105	175	149
Utah	212	340	293	207	310	418	206	270	104	148	156
Nevada	34	40	43	32	28	171	23	166	5	6	382
Pacific	5,408	8,569	12,723	12,312	13,126	14,615	11,428	12,469	1,698	2,146	4,098
Washington	1,197	1,623	2,555	2,747	2,982	3,273	2,773	2,981	209	293	955
Oregon	476	730	1,219	1,002	1,084	1,250	903	900	180	350	366
California	3,736	6,216	8,948	8,562	9,060	10,092	7,751	8,588	1,309	1,503	2,778

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

Source: Prior to 1936, Geological Survey, Department of the Interior; thereafter Federal Communications Commission

No. 401.—CENTRAL ELECTRIC STATIONS: STATISTICS OF

[See headnote

Division and State	Horsepower of prime movers (thousands)				Thousands of kilowatt-hours generated			
	Total		Steam engines and turbines and internal-combustion engines, 1932	Water wheels and hydro-turbines, 1932	1912	1917	1932	1927
	1927	1932						
Continental U.S.	35,710	47,967	34,435	13,532	11,569,110	25,438,303	40,291,536	74,686,378
New England	3,009	3,643	2,422	1,221	865,380	1,835,584	2,969,971	4,750,194
Maine	252	353	75	278	117,093	165,504	278,456	560,664
New Hampshire	157	421	85	336	126,594	160,456	94,864	226,444
Vermont	204	[1] 599	[1] 344	[1] 255	42,660	65,080	217,718	338,528
Massachusetts	1,529	1,590	1,354	236	386,254	937,125	1,493,328	2,245,301
Rhode Island	264	(1)	(1)	(1)	62,107	161,856	341,592	411,074
Connecticut	603	680	564	116	130,672	345,563	544,013	968,182
Middle Atlantic	8,615	11,310	9,250	2,060	3,548,605	7,659,318	10,765,515	19,281,645
New York	4,212	6,276	4,689	1,587	2,175,049	3,828,592	5,430,772	9,917,686
New Jersey	1,004	1,426	1,419	7	383,891	781,231	1,058,090	1,861,985
Pennsylvania	3,399	3,608	3,142	466	989,665	3,049,495	4,276,653	7,501,975
East North Central	8,668	11,366	10,393	973	2,527,964	5,757,150	9,368,260	18,211,895
Ohio	2,354	2,917	2,895	22	399,101	1,083,514	2,404,492	4,724,016
Indiana	870	1,331	1,282	49	236,944	441,423	795,271	1,746,153
Illinois	2,904	3,698	3,623	75	1,150,900	2,210,373	3,089,504	6,075,352
Michigan	1,619	2,235	1,773	462	525,616	1,504,240	2,102,686	3,773,636
Wisconsin	921	1,185	820	365	215,403	517,600	976,307	1,892,737
West North Central	2,671	3,655	3,022	633	712,595	1,776,475	2,968,757	4,549,264
Minnesota	516	659	484	175	186,045	440,932	588,838	843,357
Iowa	649	843	632	211	67,166	614,809	858,543	1,429,170
Missouri	648	1,022	817	205	232,829	266,431	700,642	891,179
North Dakota	56	104	104	----------	12,298	22,978	40,221	59,409
South Dakota	70	99	92	7	24,704	31,810	61,524	90,407
Nebraska	250	349	329	20	56,300	129,531	245,919	405,056
Kansas	482	579	564	15	133,253	269,984	473,070	830,685
South Atlantic	4,394	6,130	3,295	2,835	729,896	1,745,295	3,789,434	8,445,217
Delaware, Maryland, Dist. of Columbia	695	1,227	825	402	118,035	326,440	622,359	1,102,188
Virginia	502	568	438	130	28,724	107,581	319,206	973,766
West Virginia	755	731	648	83	42,345	204,108	1,199,378	1,902,820
North Carolina	773	1,381	476	905	70,552	371,711	404,428	2,036,122
South Carolina	700	940	199	741	356,772	500,431	844,417	1,116,267
Georgia	609	748	196	552	87,572	184,136	268,256	746,074
Florida	360	535	513	22	25,896	50,888	131,390	567,980
East South Central	1,447	2,051	1,026	1,025	227,665	1,048,815	1,419,834	2,777,268
Kentucky	395	455	314	141	75,593	122,631	231,507	505,564
Tennessee	456	579	289	290	75,545	564,914	492,507	936,874
Alabama	508	926	332	594	48,603	330,772	633,883	1,270,159
Mississippi	88	91	91	----------	27,924	30,498	61,937	64,671
West South Central	1,563	2,472	2,351	121	233,948	482,646	1,041,393	3,275,021
Arkansas	131	207	118	89	17,787	38,645	84,469	174,198
Louisiana	277	467	467	----------	18,328	26,009	52,156	634,594
Oklahoma	300	471	468	3	48,824	100,738	242,509	654,513
Texas	855	1,327	1,298	29	149,009	317,254	662,259	1,811,716
Mountain	1,406	1,675	572	1,103	845,394	2,036,195	2,209,444	3,389,551
Montana	378	452	28	424	379,213	965,454	988,009	1,398,749
Idaho	307	308	5	303	115,812	145,308	531,134	713,214
Wyoming	48	50	47	3	11,580	27,391	38,736	67,070
Colorado	269	311	220	91	165,196	274,224	290,082	499,566
New Mexico	33	(4)	(4)	(4)	9,028	17,245	22,362	32,674
Arizona	153	[4] 333	[4] 205	[4] 128	32,960	65,732	147,391	280,267
Utah	199	201	61	140	86,635	486,995	146,337	340,873
Nevada	19	20	6	14	44,970	53,846	45,393	57,137
Pacific	3,937	5,665	2,104	3,561	1,877,663	3,096,825	5,758,928	10,006,324
Washington	848	1,230	304	926	71,415	242,371	1,144,069	2,105,289
Oregon	308	537	260	277	58,789	107,887	266,861	840,063
California	2,781	3,898	1,540	2,358	1,747,459	2,746,567	4,347,998	7,060,973

[1] Rhode Island included with Vermont.
[2] West Virginia included with Delaware, District of Columbia, and Maryland.

COMMERCIAL AND MUNICIPAL ESTABLISHMENTS, BY STATES

to Table 402]

Thousands of kilowatt-hours generated—Continued			Thousands of kilowatt-hours sold, 1932		Revenue (in thousands of dollars), 1932		Division and State
1932	Commercial establishments, 1932	Municipal establishments, 1932	To ultimate consumers	For resale	From sale of electric current to ultimate consumers	From electric current sold for resale	
79, 657, 467	75, 692, 668	3, 964, 799	65, 895, 976	22, 369, 097	1, 821, 106	154, 198	**Continental U.S.**
5, 330, 234	5, 224, 337	105, 897	4, 487, 961	3, 632, 230	155, 042	27, 756	**New England.**
762, 112	758, 343	3, 769	624, 686	53, 011	12, 326	507	Maine.
680, 607	678, 643	1, 963	207, 198	514, 453	7, 921	4, 118	New Hampshire.
[1] 811, 459	[1] 795, 902	[1] 15, 558	[1] 545, 301	[1] 636, 663	[1] 19, 209	[1] 4, 340	Vermont.
2, 158, 486	2, 085, 461	73, 025	2, 194, 464	2, 094, 556	82, 785	15, 015	Massachusetts.
(1)	(1)	(1)	(1)	(1)	(1)	(1)	Rhode Island.
917, 571	905, 988	11, 582	916, 311	333, 547	32, 801	3, 776	Connecticut.
20, 340, 795	20, 177, 114	163, 681	18, 126, 798	3, 840, 416	540, 983	18, 836	**Middle Atlantic.**
10, 976, 564	10, 874, 359	102, 204	9, 337, 071	1, 531, 496	285, 089	6, 366	New York.
2, 990, 679	2, 978, 793	11, 886	2, 141, 050	324, 712	85, 383	979	New Jersey.
6, 373, 552	6, 323, 962	49, 591	6, 648, 678	1, 984, 208	170, 511	11, 491	Pennsylvania.
18, 106, 043	17, 031, 475	1, 074, 568	14, 894, 151	6, 652, 397	413, 047	48, 015	**East North Central.**
4, 868, 954	4, 569, 663	299, 290	3, 996, 804	1, 188, 523	110, 417	8, 003	Ohio.
2, 422, 940	2, 247, 557	175, 383	1, 439, 080	1, 473, 384	45, 461	11, 342	Indiana.
5, 446, 743	5, 240, 302	206, 441	5, 241, 428	3, 127, 590	138, 552	21, 539	Illinois.
3, 532, 623	3, 203, 684	328, 939	2, 901, 927	207, 036	76, 476	1, 915	Michigan.
1, 834, 784	1, 770, 269	64, 515	1, 314, 912	655, 865	42, 141	5, 216	Wisconsin.
5, 357, 887	4, 825, 708	532, 179	4, 754, 347	1, 112, 598	155, 135	10, 825	**West North Central.**
995, 182	915, 139	80, 044	1, 001, 878	107, 543	33, 152	1, 994	Minnesota.
1, 483, 096	1, 402, 843	80, 253	740, 899	208, 597	28, 436	2, 527	Iowa.
1, 214, 488	1, 132, 544	81, 945	1, 766, 384	562, 855	47, 429	3, 334	Missouri.
140, 316	133, 403	6, 913	79, 088	14, 245	4, 749	138	North Dakota.
87, 402	67, 072	20, 330	96, 845	13, 502	5, 521	285	South Dakota.
561, 795	489, 126	72, 669	438, 224	100, 218	15, 262	1, 262	Nebraska.
875, 607	685, 582	190, 025	631, 029	105, 637	20, 586	1, 285	Kansas.
9, 458, 694	9, 191, 866	266, 829	6, 750, 375	2, 637, 718	161, 092	19, 141	**South Atlantic.**
2, 231, 617	2, 211, 778	19, 839	[2] 2, 464, 156	[2] 1, 070, 274	[2] 58, 325	[2] 7, 513	Delaware. Maryland. Dist. of Columbia.
962, 318	912, 084	50, 234	814, 387	81, 447	21, 812	480	Virginia.
1, 442, 443	1, 442, 305	138	(2)	(2)	(2)	(2)	West Virginia.
1, 651, 235	1, 609, 387	41, 847	1, 288, 397	922, 851	25, 030	6, 211	North Carolina.
1, 294, 883	1, 293, 920	964	763, 879	466, 152	13, 182	3, 737	South Carolina.
1, 269, 290	1, 257, 166	12, 124	958, 742	56, 615	21, 978	745	Georgia.
606, 909	465, 225	141, 683	460, 815	40, 380	20, 765	455	Florida.
2, 993, 770	2, 914, 604	79, 166	2, 890, 544	733, 803	65, 156	5, 111	**East South Central.**
681, 947	660, 942	21, 005	626, 734	240, 139	19, 716	1, 520	Kentucky.
1, 050, 405	1, 022, 065	28, 340	1, 054, 271	33, 670	20, 365	260	Tennessee.
1, 209, 646	1, 207, 681	1, 965	1, 010, 552	457, 405	17, 527	3, 280	Alabama.
51, 773	23, 916	27, 856	198, 988	2, 589	7, 548	51	Mississippi.
4, 308, 491	4, 111, 943	196, 548	3, 463, 757	1, 057, 048	101, 467	7, 508	**West South Central.**
155, 020	137, 266	17, 754	283, 022	59, 037	9, 357	849	Arkansas.
1, 171, 951	1, 125, 864	46, 087	639, 769	518, 579	17, 053	2, 907	Louisiana.
725, 488	669, 054	56, 434	610, 265	108, 882	19, 781	1, 103	Oklahoma.
2, 256, 031	2, 179, 758	76, 273	1, 930, 701	370, 551	55, 276	2, 649	Texas.
2, 346, 832	2, 266, 345	80, 487	1, 958, 421	363, 173	52, 302	3, 032	**Mountain.**
635, 520	635, 166	355	[3] 901, 460	[3] 16, 133	[3] 17, 801	[3] 245	Montana.
473, 290	458, 052	15, 238	296, 091	211, 520	6, 202	1, 070	Idaho.
74, 597	73, 581	1, 016	62, 070	6, 705	2, 820	180	Wyoming.
437, 330	394, 157	43, 173	345, 608	25, 414	14, 154	411	Colorado.
(4)	(4)	(4)	(4)	(4)	(4)	(4)	New Mexico.
[4] 412, 616	[4] 411, 461	[4] 1, 155	[4] 266, 987	[4] 100, 200	[4] 8, 952	[4] 1, 078	Arizona.
275, 846	256, 495	19, 350	(3)	(3)	(3)	(3)	Utah.
37, 634	37, 433	200	86, 205	3, 200	2, 373	48	Nevada.
11, 414, 720	9, 949, 276	1, 465, 444	8, 569, 621	2, 339, 714	176, 882	13, 974	**Pacific.**
2, 544, 767	1, 979, 090	565, 677	1, 835, 963	535, 572	28, 904	2, 874	Washington.
968, 614	929, 935	38, 679	742, 723	78, 017	15, 712	705	Oregon.
7, 901, 339	7, 040, 251	861, 088	5, 990, 934	1, 726, 125	132, 266	10, 395	California.

[3] Utah included with Montana.
[4] New Mexico included with Arizona.

Source: Bureau of the Census, Department of Commerce.

No. 402.—CENTRAL ELECTRIC STATIONS: Equipment, Employees, Output, and Sales

NOTE.—A central electric station, commercial or municipal, is one either generating and selling electrical energy, or selling only, to public or private consumers. Figures do not include establishments which consume all current generated, such as mines, factories, hotels, and other enterprises not in the nature of public utilities, nor plants operated by the Federal Government or by States unless energy is sold commercially. No data are included for electric-railway power plants unless part of the current generated is sold. There is considerable duplication in total sales, since they include energy sold for resale. Amount sold is considerably less than current generated due to line losses, etc.

	All central electric stations					
	1902	1912	1917	1922	1927	1932
Number of establishments [1]	3,620	5,221	6,542	6,355	4,335	3,429
Prime movers, horsepower....thousands	**1,845**	**7,530**	**12,937**	**19,851**	**35,710**	**47,967**
Steam engines	1,394	1,895	1,702	1,371	994	650
Steam turbines		3,054	6,747	12,355	24,323	32,904
Water wheels and hydroturbines	439	2,469	4,277	5,822	9,844	13,532
Internal-combustion engines	12	111	210	303	548	881
Generators:						
Number	12,484	12,610	13,428	12,701	11,967	11,111
Kilowatt capacity....thousands	1,212	5,165	8,994	14,313	25,811	34,623
Output....millions of kilowatt-hours	----	**14,183**	**31,044**	**50,274**	**96,829**	**111,716**
Generated	2,507	11,569	25,438	40,292	74,687	79,657
Purchased	(2)	2,614	5,606	9,983	22,142	32,059
Sold	(2)	(2)	25,752	41,965	79,011	88,265
To ultimate consumers	(2)	(2)	(2)	32,948	63,612	65,896
For resale	(2)	(2)	(2)	9,017	15,399	22,369
Number of customers....thousands	(2)	3,838	7,179	12,710	21,790	23,862
Salaried employees....number	6,996	26,093	35,406	55,112	101,415	110,453
Salaries....1,000 dollars	5,664	24,307	36,788	86,951	(3)	(4)
Wage earners....number	[5] 23,330	[6] 53,242	[6] 70,135	[6] 95,650	[6] 149,605	[6] 134,120
Wages....1,000 dollars	14,983	36,855	58,454	125,481	(3)	(4)

[1] The term "establishment" as here used may represent a single electric station (either generating or distributing or both) or a number of such stations operated under the same ownership.
[2] Figures not available.
[3] Salaries and wages were not reported for 1927 by municipal plants. Commercial plants reported 95,917 salaried employees, with salaries amounting to $166,341,000, and 138,796 wage earners, with wages amounting to $201,291,000.
[4] Schedule did not call for segregation of salaries and wages. The total amount reported was $323,880,000, of which $303,058,000 was reported by commercial establishments and $20,822,000 by municipal.
[5] Average number for the year.
[6] Number Sept. 16, 1912; Sept. 29, 1917; June 30, 1922, 1927, and 1932, or nearest representative day.

No. 403.—CENTRAL ELECTRIC STATIONS: Equipment, Employees, and Finances of Commercial and Municipal Establishments

NOTE.—See headnote to table 402

	Commercial establishments				Municipal establishments			
	1917	1922	1927	1932	1917	1922	1927	1932
Number of establishments	4,224	3,774	2,137	1,627	2,31	2,581	2,198	1,802
Horsepower of prime movers....thousands	12,078	18,571	33,661	45,191	859	1,280	2,049	2,776
Capacity of generators thousands of kw.	8,412	13,407	24,383	32,648	582	906	1,428	1,975
Output, millions of kw.-hrs.	29,812	47,833	92,299	106,329	1,232	2,441	4,529	5,387
Generated	24,399	38,413	71,307	75,692	1,039	1,878	3,379	3,965
Purchased	5,413	9,420	20,992	30,637	193	563	1,150	1,422
Sold—								
To ultimate consumers	24,723	30,941	60,537	62,148	1,029	2,007	3,075	3,748
For resale		8,971	14,808	21,789		45	591	580
Customers....thousands	6,202	11,065	19,661	21,634	977	1,645	2,129	2,228
Employees....number	94,679	136,105	234,747	225,557	10,862	14,657	16,273	19,016
Income....1,000 dollars	486,634	986,684	[1] 1,841,227	[1] 2,030,997	40,260	85,436	[2] 122,437	[1] 126,298
Expenses....do	395,127	792,496	[3] 1,318,255	[3] 1,477,139	31,441	67,129	(4)	[3] 89,217
Assets....do	3,631,973	5,504,614	12,950,388	17,032,540	148,345	288,623	(4)	710,143
Value of plant and equipment....1,000 dollars	2,933,017	4,229,356	[5] 8,880,291	[6] 12,124,807	127,375	235,660	417,167	[6] 539,570

[1] Includes net income from utilities other than electric and nonoperating income.
[2] Operating revenues only.
[3] Includes other deductions from gross income.
[4] Not called for on schedule.
[5] Includes plant and equipment valued at $902,057,000, not separated as to electric light and power and other properties.
[6] Reported as fixed capital.

Source of tables 402 and 403: Bureau of the Census, Department of Commerce.

No. 404.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars. See headnote to table 402]

	Commercial establishments						Municipal establishments
	1902	1912	1917	1922	1927	1932	1932
INCOME ACCOUNT							
Income, total	**78,736**	**279,054**	**486,634**	**986,684**	[1]**1,841,227**	[1]**2,030,997**	[1]**126,298**
Electric service, total	**77,350**	**264,475**	**462,474**	**936,852**	**1,680,218**	**1,854,110**	**121,194**
Commercial and domestic light and power	57,195	205,974	373,280	773,111	1,424,998	1,576,197	107,103
Municipal lighting	16,130	27,131	31,462	40,854	66,141	81,795	10,215
Sales to other public service corporations	4,025	30,857	57,207	122,321	189,079	196,118	3,876
Value of free service	(2)	513	525	566	(2)	(2)	(2)
Interest and dividends from investments	(2)	4,869	8,807	16,527	53,959	61,060	692
Other sources	1,386	9,710	15,353	33,305	[1]107,050	[1]115,827	[1]4,412
Expenses, total	**62,835**	**217,660**	**395,127**	**792,496**	[3]**1,318,255**	[3]**1,477,139**	[3]**89,217**
Fuel	10,190	30,502	78,286	146,323	157,912	102,560	9,823
Current purchased	2,007	16,913	35,733	79,637	143,711	161,121	17,779
Supplies, materials, and miscellaneous	14,751	27,565	48,118	80,492	[3]121,529	[3]209,730	[3]20,908
Rent of offices, conduits, etc	1,272	4,214	9,881	18,626	(4)	(4)	(4)
Salaries and wages	18,767	55,659	86,473	194,148	367,632	303,058	20,822
Taxes	2,655	13,117	29,897	73,128	150,253	203,858	1,292
Injuries, damages, insurance	1,074	3,316	5,145	10,209	(2)	(2)	(2)
Interest	12,119	46,865	71,145	125,596	269,602	354,165	7,193
Depreciation	(2)	17,989	26,292	59,273	107,616	142,647	11,400
Sinking and reserve funds	(2)	1,520	4,157	5,064	(2)	(4)	(4)

[1] Includes net income from utilities other than electric and nonoperating income.
[2] Not called for on schedule. [3] Includes other deductions from gross income. [4] No comparable data.

No. 405.—CENTRAL ELECTRIC STATIONS, COMMERCIAL AND MUNICIPAL ESTABLISHMENTS: NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE (ULTIMATE CONSUMERS ONLY), BY CLASS OF SERVICE, 1932

NOTE.—Revenue per customer and per kilowatt-hour, by class of service, based on data presented in the following table, is shown in the corresponding table in the 1936 issue of the Statistical Abstract

Class of service	Total	Commercial	Municipal	Total	Commercial	Municipal
	Number of customers			Current sold (thousands of kilowatt-hours)		
Total	**23,858,411**	**21,630,662**	**2,227,749**	**65,895,976**	**62,147,695**	**3,748,281**
Farm service (all uses)	613,753	592,692	21,061	1,504,257	1,488,106	16,151
Domestic service	19,285,560	17,337,876	1,947,684	11,790,140	10,410,750	1,379,390
Commercial service:						
Small light and power (retail)	3,527,794	3,284,326	243,468	12,059,464	10,793,768	1,265,696
Large light and power (wholesale)	379,402	365,038	14,364	32,380,076	31,931,213	448,863
Municipal street lighting	29,832	28,997	835	2,235,668	1,746,288	489,380
Railroads (motive power):						
Street and interurban	474	454	20	4,392,943	4,348,207	44,736
Electrified steam railroad divisions	367	363	4	762,205	762,115	90
Other service	21,229	20,916	313	771,223	667,248	103,975
	Current sold per customer (kilowatt-hours)			Revenue from electric service (thousands of dollars)		
Total	**2,762**	**2,873**	**1,683**	**1,821,106**	**1,703,304**	**117,802**
Farm service (all uses)	2,451	2,511	767	42,774	41,875	899
Domestic service	611	600	708	649,765	584,995	64,770
Commercial service:						
Small light and power (retail)	3,418	3,286	5,199	491,852	459,441	32,411
Large light and power (wholesale)	85,345	87,474	31,249	483,391	475,739	7,652
Municipal street lighting	74,942	60,223	586,084	92,011	81,795	10,216
Railroads (motive power):						
Street and interurban	9,267,813	9,577,550	2,236,782	38,777	38,297	480
Electrified steam railroad divisions	2,076,852	2,099,491	22,379	7,019	7,016	3
Other service	36,329	31,901	332,187	15,517	14,146	1,371

Source: Bureau of the Census, Department of Commerce.

No. 406.—ELECTRIC LIGHT AND POWER INDUSTRY: REPORTS TO THE EDISON ELECTRIC INSTITUTE

	1926	1930	1933	1934	1935	1936
Current generated ..... **million kilowatt-hours**	67,990	88,592	78,933	84,986	92,611	106,000
Sales to ultimate consumers ..... **do**	56,089	74,906	65,916	71,082	77,596	89,500
Farm service	723	1,789	1,633	1,857	1,692	2,014
Residential service	6,727	10,702	11,359	12,233	13,496	14,908
Commercial, small light and power (retail)	9,485	13,944	11,589	12,278	13,588	15,500
Commercial, large light and power (wholesale)	31,993	40,148	33,857	36,944	40,865	48,378
All other	7,163	8,323	7,478	7,770	7,955	8,700
Revenue from ultimate consumers ..... **1,000 dollars**	1,520,159	1,990,955	1,754,366	1,831,871	1,911,989	2,058,300
Farm service	21,637	46,690	46,502	49,183	48,405	53,600
Residential service	469,272	642,276	623,797	648,802	673,526	699,700
Commercial, small light and power (retail)	427,407	575,598	471,780	490,420	519,213	575,000
Commercial, large light and power (wholesale)	476,187	566,468	468,390	499,452	531,107	584,700
All other	125,655	159,924	143,897	144,014	139,738	145,300
Customers, average for year ..... **thousands**	19,342	24,164	23,879	24,376	25,006	25,692
Farm	278	613	710	734	765	863
Residential	15,714	19,536	19,149	19,609	20,176	20,736
Commercial, small light and power (retail)	3,041	3,610	3,612	3,646	3,691	3,730
Commercial, large light and power (wholesale)	277	357	353	329	314	296
All other	33	48	55	58	60	67

Source: Edison Electric Institute.

No. 407.—AVERAGE TYPICAL BILLS FOR SPECIFIED QUANTITIES OF ELECTRICITY IN 150 CITIES OF 50,000 OR MORE INHABITANTS

NOTE.—The 25, 100, and 250 kilowatt-hour consumptions were chosen to represent the typical usage, respectively, of residential consumers who use electric service for lighting and the operation of small appliances only, consumers who have electric refrigerators, and consumers who have electric ranges

Date	Average bill in dollars for—			Index of average bill (Oct. 1, 1924=100) for—			Average bill in cents per kilowatt-hour for—		
	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Oct. 1, 1924	1.92	6.18	13.36	100.0	100.0	100.0	7.7	6.2	5.3
Oct. 1, 1925	1.88	6.00	12.95	97.9	97.1	96.9	7.5	6.0	5.2
Oct. 1, 1926	1.86	5.85	12.57	96.9	94.7	94.1	7.4	5.9	5.0
Oct. 1, 1927	1.81	5.58	11.94	94.3	90.3	89.4	7.2	5.6	4.8
Oct. 1, 1928	1.76	5.34	11.25	91.7	86.4	84.2	7.0	5.3	4.5
Oct. 1, 1929	1.73	5.13	10.69	90.1	83.0	80.0	6.9	5.1	4.3
Oct. 1, 1930	1.70	4.98	10.38	88.5	80.6	77.7	6.8	5.0	4.2
Oct. 1, 1931	1.69	4.72	9.58	88.0	76.4	71.7	6.8	4.7	3.8
Oct. 1, 1932	1.67	4.65	9.42	87.0	75.2	70.5	6.7	4.7	3.8
Oct. 1, 1933	1.63	4.58	9.26	84.9	74.1	69.3	6.5	4.6	3.7
Oct. 1, 1934	1.58	4.47	8.98	82.3	72.3	67.2	6.3	4.5	3.6
Jan. 1, 1935	1.57	4.45	8.96	81.8	72.0	67.1	6.3	4.5	3.6
Jan. 1, 1936	1.52	4.21	7.86	79.2	68.1	58.8	6.1	4.2	3.1
July 1, 1936	1.50	4.18	7.75	78.1	67.6	58.0	6.0	4.2	3.1

Source: Federal Power Commission.

No. 408.—TOTAL NET MONTHLY PRICE OF SPECIFIED AMOUNTS OF ELECTRICITY: BASED ON RATES AS OF NOV. 15, 1934, AND DEC. 15, 1936, BY CITIES

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

	Nov. 15, 1934				Dec. 15, 1936			
	Lighting and small appliances		Lighting, appliances, and refrigerator	Lighting, appliances, refrigerator, and range	Lighting and small appliances		Lighting, appliances, and refrigerator	Lighting, appliances, refrigerator, and range
	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Atlanta:								
Immediate ..... P	$1.62	$2.37	$4.57	$8.32	$1.62	$2.37	$4.57	$8.32
Inducement [1] .. P	1.45	2.12	3.95	6.57	1.45	2.12	3.95	6.57
Baltimore ..... P	1.25	2.00	4.18	8.98	1.13	1.80	3.90	8.20
Birmingham:								
Immediate ..... P	1.55	2.30	4.05	7.80	1.35	2.10	3.85	7.40
Objective [1] ..... P	----------	----------	----------	----------	[2] 1.00	1.56	3.20	6.95
Boston ..... P	1.65	2.40	5.20	9.70	1.55	2.30	5.10	9.60
Bridgeport ..... P	1.31	2.10	5.25	10.90	1.31	2.05	4.87	8.90
Buffalo ..... P	1.13	1.70	3.06	5.31	1.13	1.70	3.06	5.31

For footnotes see following page.

No. 408.—Total Net Monthly Price of Specified Amounts of Electricity, Based on Rates as of Nov. 15, 1934, and Dec. 15, 1936, by Cities—Continued

	Nov. 15, 1934				Dec. 15, 1936			
	Lighting and small appliances		Lighting, appliances, and refrigerator	Lighting, appliances, refrigerator, and range	Lighting and small appliances		Lighting, appliances, and refrigerator	Lighting, appliances, refrigerator, and range
	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.	25 kw.-hrs.	40 kw.-hrs.	100 kw.-hrs.	250 kw.-hrs.
Butte P	$2.00	$2.60	$4.50	$8.00	$1.55	$2.38	$4.43	$7.93
Charleston, S. C.:								
Immediate P	2.12	3.15	5.85	10.09	1.60	2.50	5.35	8.85
Objective [1] P					1.50	2.25	4.20	6.82
Chicago P	1.51	2.04	3.75	8.02	1.34	1.94	3.65	6.65
Cincinnati P	1.25	1.70	3.00	6.00	1.00	1.45	2.65	5.35
Cleveland P	1.00	1.60	4.00	9.88	1.00	1.60	4.00	9.88
M	.88	1.31	3.05	7.40	.88	1.31	3.05	7.40
Columbus P	1.25	1.95	4.50	8.50	1.25	1.95	4.50	8.50
M	1.25	2.00	4.75	10.00	1.00	1.58	3.80	8.30
Dallas P	1.38	2.20	4.60	8.40	1.25	2.00	4.40	8.20
Denver P	1.50	2.40	4.80	9.30	[3] 1.53	[3] 2.45	[3] 4.90	[3] 9.49
Detroit [4 5] P	1.43	1.99	3.65	7.12	1.39	1.95	3.48	6.95
Fall River P	2.00	2.75	5.50	10.25	1.75	2.60	5.20	9.35
Houston P	1.30	1.90	4.30	8.28	1.20	1.80	3.83	7.08
Indianapolis P	1.44	2.30	4.80	8.53	1.44	2.30	4.80	8.53
Jacksonville M	1.75	2.80	7.00	7.95	1.75	2.70	4.95	7.95
Kansas City P	1.63	2.30	4.00	7.75	[6] 1.64	[6] 2.32	[6] 4.04	[6] 7.83
Little Rock:								
Present P	2.10	2.90	5.10	9.60	[3] 1.99	[3] 2.88	[3] 5.20	[3] 8.67
Centennial [1] P					[3] 1.84	[3] 2.63	[3] 5.10	[3] 8.67
Los Angeles P	1.20	1.81	3.31	6.31	1.10	1.66	3.04	5.27
P	1.20	1.81	3.31	6.31	1.10	1.66	3.04	5.27
M	1.20	1.81	3.31	6.31	1.10	1.66	3.04	5.27
Louisville P	[5] 1.29	[5] 2.06	[5] 3.91	[5] 8.55	1.13	1.75	3.71	7.31
Manchester P	2.34	3.24	5.36	8.36	2.00	2.80	5.00	8.00
Memphis P	1.38	2.20	4.25	8.75	1.38	2.20	4.25	8.75
Milwaukee P	[4] 1.55	[4] 2.04	[4] 3.75	[4] 7.08	1.41	1.90	3.60	6.48
Minneapolis P	1.85	2.33	4.04	7.34	1.66	2.19	3.80	6.79
Mobile:								
Present P	1.55	2.30	4.05	7.60	1.45	2.13	3.95	6.58
Objective [1] P	1.45	2.13	3.95	6.58	1.20	1.80	3.50	6.13
Newark P	2.15	3.20	5.30	9.80	1.92	2.60	4.50	8.75
New Haven P	1.31	2.10	5.25	10.90	1.31	2.05	4.87	8.90
New Orleans P	2.13	3.25	6.00	10.75	1.88	2.85	5.50	10.25
New York: [3]								
Bronx P					1.79	2.55	4.90	8.21
Brooklyn P	1.80	2.55	5.55	13.05	1.79	2.55	4.90	8.21
Manhattan P	1.80	2.55	5.55	13.05	1.79	2.55	4.90	8.21
Queens P	2.13	3.20	6.25	12.75	1.79	2.55	4.90	8.21
P					2.17	3.26	6.38	13.01
Richmond P	2.15	3.11	5.51	8.91	2.19	3.17	5.62	9.09
Norfolk P	1.63	2.60	5.30	8.25	1.38	2.10	4.65	7.65
Omaha P	1.38	2.20	4.25	8.15	1.19	1.90	3.88	7.78
Peoria P	1.50	2.01	3.81	6.81	1.50	2.01	3.57	6.32
Philadelphia P	1.58	2.40	4.45	8.70	1.50	2.25	4.25	7.50
Pittsburgh P	1.55	2.20	4.10	8.60	1.25	2.00	4.00	8.50
Portland, Maine P	1.88	2.63	4.73	7.73	1.88	2.63	4.73	7.73
Portland, Oreg. [7] P	1.38	1.95	3.39	6.09	1.38	1.95	3.39	6.09
Providence P	1.93	2.91	5.81	9.84	1.76	2.66	5.50	9.50
Richmond P	1.63	2.60	5.30	8.25	1.38	2.10	4.65	7.65
Rochester P	1.65	2.40	5.00	10.00	1.59	2.26	4.56	7.81
St. Louis [4] P	1.19	1.71	3.13	6.22	[6] 1.20	[6] 1.73	[6] 3.17	[6] 6.28
P	1.07	1.43	2.85	5.70	[6] 1.08	[6] 1.44	[6] 2.88	[6] 5.76
St. Paul P	1.96	2.39	4.10	8.38	1.60	2.15	3.85	7.00
Salt Lake City: [3]								
Present P	1.92	2.99	4.92	7.85	1.78	2.69	4.92	7.85
Objective [1] P					1.63	2.30	3.83	7.14
San Francisco P	1.53	2.10	4.20	7.85	1.40	2.00	3.50	7.15
Savannah P	1.63	2.38	4.57	8.32	1.62	2.37	4.57	7.97
Scranton P	1.75	2.80	5.00	9.50	1.63	2.45	4.85	9.35
Seattle P	1.38	2.20	3.40	6.28	1.25	2.00	3.20	6.08
M	1.40	2.20	3.40	6.30	1.25	2.00	3.20	6.10
Springfield, Ill. P	1.25	1.90	3.90	6.90	1.25	1.90	3.90	6.90
M	1.25	1.90	3.02	4.80	1.25	1.90	3.02	4.80
Washington P	.98	1.56	3.60	5.67	.98	1.56	3.40	5.67

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

Source: Bureau of Labor Statistics, Department of Labor.

No. 409.—DEVELOPED AND POTENTIAL WATER POWER

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

Division and State	Developed water power (capacity of actual installation)							Potential water power available—	
	November, 1921	March, 1925	January, 1930	January, 1934	January, 1935	January, 1936	January, 1937	90 percent of the time	50 percent of the time
Continental U. S.	**7,927**	**10,048**	**13,808**	**15,913**	**16,075**	**16,079**	**17,120**	**42,753**	**57,184**
New England	**1,311**	**1,399**	**1,643**	**2,004**	**2,006**	**1,994**	**2,005**	**988**	**1,641**
Maine	450	477	541	613	616	603	600	524	806
New Hampshire	229	243	278	572	575	575	573	167	293
Vermont	130	168	260	192	192	192	194	115	193
Massachusetts	338	344	362	423	422	423	423	125	211
Rhode Island	30	30	30	29	29	29	29	5	13
Connecticut	134	136	172	175	173	172	186	52	125
Middle Atlantic	**1,479**	**1,958**	**2,113**	**2,421**	**2,465**	**2,458**	**2,452**	**4,895**	**6,242**
New York	1,292	1,714	1,805	1,885	1,885	1,879	1,872	4,296	5,184
New Jersey	17	19	18	17	17	17	17	32	60
Pennsylvania	170	226	291	520	563	562	563	567	998
East North Central	**739**	**885**	**1,075**	**1,186**	**1,189**	**1,176**	**1,182**	**869**	**1,640**
Ohio	29	30	30	23	23	24	24	31	77
Indiana	27	51	55	55	55	55	55	60	159
Illinois	85	87	95	88	88	93	92	214	497
Michigan	267	305	379	464	477	483	500	270	400
Wisconsin	331	413	517	555	546	521	512	294	507
West North Central	**444**	**515**	**551**	**762**	**750**	**746**	**844**	**1,172**	**1,884**
Minnesota	205	263	287	287	272	272	269	210	388
Iowa	173	177	181	183	183	183	183	96	232
Missouri	18	20	23	235	235	235	235	420	676
North Dakota	(1)	(1)	(1)	(1)	(1)	(1)	----	61	69
South Dakota	18	19	19	20	20	20	20	211	278
Nebraska	15	21	24	24	24	24	124	101	138
Kansas	15	14	16	13	16	13	13	73	103
South Atlantic	**1,082**	**1,594**	**2,657**	**3,036**	**3,173**	**3,218**	**3,201**	**2,936**	**4,058**
Delaware	3	3	1	1	1	1	2	2	5
Maryland	7	7	416	409	404	405	405	} 200	286
Dist. of Columbia	1	1	6	6	6	6	6		
Virginia	104	118	126	152	154	156	157	463	649
West Virginia	15	15	89	87	227	269	269	563	785
North Carolina	330	535	947	971	980	980	957	582	818
South Carolina	330	507	574	811	811	811	813	477	752
Georgia	286	400	473	(2) 578	569	569	572	622	729
Florida	7	9	25	20	20	20	20	27	34
East South Central	**241**	**392**	**1,169**	**1,298**	**1,303**	**1,303**	**1,526**	**2,620**	**3,761**
Kentucky	1	1	145	145	145	145	145	336	543
Tennessee	127	166	179	288	291	291	423	1,280	1,800
Alabama	113	224	845	(2) 865	867	867	958	880	1,280
Mississippi	----	----	----	----	----	----	----	124	138
West South Central	**16**	**31**	**49**	**150**	**150**	**145**	**149**	**764**	**967**
Arkansas	1	16	16	95	95	95	95	388	518
Louisiana	----	----	----	----	----	----	----	70	74
Oklahoma	2	2	3	2	2	2	2	126	175
Texas	13	14	31	53	53	48	52	180	200
Mountain	**827**	**937**	**1,185**	**1,209**	**1,190**	**1,199**	**1,728**	**10,775**	**13,031**
Montana	344	360	419	428	428	429	429	1,306	1,853
Idaho	224	299	358	348	342	355	357	2,706	3,688
Wyoming	8	8	19	23	23	23	24	571	838
Colorado	92	91	98	101	102	99	103	647	851
New Mexico	1	1	2	2	2	2	2	56	124
Arizona	39	49	120	137	137	133	193	3,710	3,810
Utah	106	115	156	156	144	144	142	1,500	1,590
Nevada	13	14	14	14	13	13	478	279	277
Pacific	**1,789**	**2,336**	**3,365**	**3,848**	**3,851**	**3,842**	**4,033**	**17,734**	**23,960**
Washington	454	561	766	1,037	1,037	1,037	1,227	8,768	12,021
Oregon	185	244	299	364	363	360	361	4,361	5,956
California	1,149	1,531	2,301	2,447	2,450	2,444	2,445	4,605	5,983
Outlying areas:									
Alaska	----	40	36	(3)	(3)	(3)	(3)	1,000	2,500
Hawaii	----	25	(4) 32	26	(3)	26	26	19	28
Puerto Rico	----	15	(3)	(3)	(3)	(5) 38	(5) 38	72	174

(1) Less than 500. (2) Bartletts Ferry plant changed from Alabama to Georgia. (3) Not available.
(4) Capacity in 1928. (5) Figures from Public Service Commission of Puerto Rico.

Source: Geological Survey, Department of the Interior.

18.—PUBLIC ROADS AND MOTOR VEHICLES

No. 410.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921 and 1926 were secured from county records; data for other years shown in this and subsequent tables contain some estimates and are not as accurate as to detail. Figures for county and township roads not available subsequent to 1930. Data in most cases refer to calendar years; there are, however, exceptions in some States. Data relate to continental United States only, except as noted

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

Item	1926	1930	1933	1934	1935	1936
Total mileage of State highway systems at end of year [9]	287,928	324,496	345,751	[10] 324,312	[10] 331,867	[10] 340,160
Earth roads	124,869	98,275	73,906	52,698	52,060	51,057
Surfaced roads	163,059	226,221	271,845	271,614	279,807	289,103
Low type [1]	109,110	142,109	157,995	161,923	168,282	175,408
High type [1]	53,949	84,112	113,850	109,691	111,525	113,695
Total mileage of State highway systems built during year	27,387	35,277	27,930	32,723	23,515	26,856
Earth roads (graded and drained)	7,060	7,813	6,258	5,162	2,812	2,971
Surfaced roads [4]	20,327	27,464	21,672	27,561	20,703	23,885
Low type [1]	14,199	16,677	14,271	22,272	17,562	19,626
High type [1]	6,128	10,787	7,401	5,289	3,141	4,259
Funds available to State highway departments [11] (1,000 dollars)	806,688	1,423,164	955,124	1,295,642	1,205,945	1,505,768
Disbursements by State highway departments, including Federal aid [11] (1,000 dollars)	621,744	1,139,677	782,006	991,774	848,355	1,131,151
Highway construction under Federal aid, status at end of year: [12]						
Projects under construction:						
Miles	14,581	9,089	2,669	460	3,116	4,520
Total cost (1,000 dollars)	365,730	233,397	66,174	15,780	66,111	127,764
Federal aid (1,000 dollars)	151,490	99,573	26,724	7,132	34,416	65,664
Projects approved for construction:						
Miles	1,575	2,875	64	17	1,415	2,062
Total cost (1,000 dollars)	40,299	60,394	408	462	38,410	56,198
Federal aid (1,000 dollars)	13,921	25,531	273	93	19,235	29,059
Federal-aid fund available for new projects (1,000 dollars)	113,070	144,726	3,956	927	65,543	79,992

[1] Low type includes top-soil, sand-clay, gravel, chert, shale, etc., waterbound macadam, and low-cost bituminous mix; high type includes bituminous macadam, bituminous concrete, sheet asphalt, portland cement concrete, block pavements, and timber flooring on bridges.
[2] Includes 11,303 miles of unclassified roads. [3] Includes mileage partially graded and drained.
[4] Includes original and reconstructed surfacing. [5] Includes 368 miles of unclassified roads.
[6] Excludes funds transferred. [7] Excludes balance on hand at beginning of year; not reported in 1921.
[8] For road and bridge purposes under supervision of State highway department only.
[9] Includes an undetermined amount of municipal street mileage on State highway systems or connecting these systems. Beginning with 1933 such mileage is included, however, for only a few States. Figures prior to 1934 also include mileage of secondary road systems under State control for a number of States.
[10] Primary systems only. See also note 9. [11] Includes funds transferred to or from local units.
[12] Includes data for Hawaii except 1926 figures for projects approved for construction. For 1936 data regarding emergency road construction and grade crossing projects, see table 415.

Source: Bureau of Public Roads, Department of Agriculture.

No. 411.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Data include all rural roads. In some cases variations in mileage from that of the previous year shown are partly because of more accurate survey of road mileage. Data in most cases relate to Dec. 31; there are, however, some exceptions. Data for local roads subsequent to 1930 are not available. For mileage of State highway systems as of Dec. 31, 1936, see table 412

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	38,946	58,298	62,071	64,748	67,935	70,801
New York	79,398	81,878	82,375	15,636	18,566	26,957	29,481	31,113	32,713	34,278
New Jersey	14,817	14,066	17,393	5,897	6,459	7,836	8,057	8,734	9,077	9,442
Pennsylvania	91,556	90,991	90,867	9,983	13,921	23,505	24,533	24,901	26,145	27,081
East North Central	405,245	412,753	419,051	94,365	124,298	153,853	160,664	168,210	174,150	181,598
Ohio	86,354	84,219	85,106	30,569	36,068	42,361	43,977	46,245	48,503	50,836
Indiana	73,347	76,246	73,768	30,962	39,857	49,440	50,284	50,995	51,314	52,034
Illinois	95,647	96,326	97,287	11,606	11,473	16,928	18,118	20,032	21,375	22,815
Michigan	74,190	77,283	81,106	7,829	17,186	21,698	22,493	24,167	25,143	26,281
Wisconsin	75,707	78,679	81,784	13,399	19,714	23,426	25,792	26,771	27,815	29,632
West North Central	650,058	759,820	777,793	14,968	30,223	61,503	69,989	78,762	87,384	96,166
Minnesota	93,517	107,103	110,661	3,968	16,905	30,011	32,399	34,223	35,501	37,217
Iowa	104,074	104,082	103,328	615	2,585	9,284	11,811	15,191	18,021	20,088
Missouri	96,041	111,520	110,540	6,713	7,879	11,043	11,739	12,319	13,074	14,326
North Dakota	68,796	106,523	106,846	955	710	1,874	2,366	2,953	3,592	4,026
South Dakota	96,306	115,485	120,271	363	548	3,510	4,087	4,840	6,147	7,096
Nebraska	80,272	86,556	93,907	1,205	496	3,273	3,979	4,651	5,364	6,386
Kansas	111,052	128,551	132,240	1,149	1,100	2,508	3,608	4,585	5,685	7,027
South Atlantic	297,193	365,567	357,554	32,154	61,178	82,282	89,541	95,384	100,840	96,514
Delaware	3,674	3,933	3,779	244	448	884	927	1,094	1,180	1,258
Maryland	16,459	14,772	14,847	2,489	3,663	4,640	5,307	5,493	5,704	6,308
Virginia	53,388	59,080	59,957	3,910	7,260	10,542	11,192	11,897	12,327	12,581
West Virginia	32,024	35,173	34,799	1,065	1,367	3,037	3,713	3,917	4,450	5,292
North Carolina	50,758	68,204	53,796	6,004	16,755	26,885	27,811	28,345	29,649	21,956
South Carolina	42,226	61,850	57,726	3,270	6,908	12,475	13,841	16,648	17,576	18,802
Georgia	80,669	94,912	102,284	12,342	18,339	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. 412.—STATE HIGHWAY SYSTEMS: Rural Roads and Municipal Streets Connecting Highways as of Dec. 31, 1936, and Rural Mileage Surfaced During 1935 and 1936

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

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

[2] See note 1, table 410.

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

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

Source: Bureau of Public Roads, Department of Agriculture.

No. 413.—DISBURSEMENTS FOR HIGHWAYS UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

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

Division and State	Year in which first State aid law passed	1921	1929	1930	1931	1932	1933	1934	1935	1936
		Thousands of dollars								
Cont'l U.S.	--------	397,484	910,485	1,139,677	1,091,009	955,446	782,006	991,774	848,355	1,131,151
New England	--------	25,910	73,425	76,418	74,095	79,341	58,896	82,708	81,054	92,791
Maine	1901	6,524	14,006	17,184	18,442	16,243	10,490	12,988	11,671	14,192
N. Hampshire	1903	2,360	[1] 7,713	9,640	8,489	7,112	7,471	9,113	6,165	6,997
Vermont	1898	951	12,516	9,013	6,999	6,177	5,511	5,905	5,920	5,915
Mass'setts	1892	7,864	20,180	21,926	28,324	29,596	18,289	33,204	36,719	35,476
Rhode Island	1902	2,213	5,412	3,367	6,188	4,768	5,347	5,081	3,681	10,602
Connecticut	1895	5,998	13,598	15,288	[2] 5,653	15,445	11,788	16,417	16,898	19,609
Middle Atlantic	--------	101,475	171,495	216,236	192,315	172,429	137,259	184,343	127,513	188,121
New York	1898	36,855	69,664	73,233	73,924	54,285	42,206	60,262	54,770	68,239
New Jersey	1891	15,608	41,397	47,414	52,860	49,197	28,377	31,612	26,771	37,928
Pennsylvania	1903	49,012	60,434	95,589	65,531	68,947	66,676	92,469	45,972	81,954
E. N. Central	--------	68,512	160,383	190,673	153,465	166,894	127,083	168,249	141,442	188,268
Ohio	1904	15,547	30,281	47,491	34,161	36,703	20,705	44,067	25,772	32,895
Indiana	1917	8,110	20,678	22,569	20,771	23,183	[3] 8,800	21,868	17,953	25,084
Illinois	1905	15,693	39,728	48,854	42,622	45,092	40,194	43,476	42,729	49,035
Michigan	1905	16,744	48,666	46,136	36,540	36,211	24,272	28,428	23,653	40,885
Wisconsin	1911	12,417	21,010	25,623	19,371	25,705	33,112	30,410	31,335	40,369
W. N. Central	--------	41,087	123,547	171,732	167,043	131,290	103,289	126,126	112,817	151,654
Minnesota	1905	7,480	23,366	39,365	36,578	36,959	17,079	22,796	22,950	31,551
Iowa	1904	18,276	36,084	50,607	36,827	23,738	18,122	23,586	22,239	28,616
Missouri	1907	4,727	28,321	43,921	42,841	37,335	34,503	31,650	27,661	35,316
North Dakota	1909	1,030	4,129	3,992	6,957	5,084	[4] 5,074	7,160	4,911	7,522
South Dakota	1911	4,738	6,168	5,915	12,674	5,413	4,509	6,818	6,728	7,679
Nebraska	1911	4,836	8,467	11,087	13,718	10,057	11,124	12,825	10,379	13,140
Kansas	1911	--------	17,012	16,845	17,448	12,704	12,878	21,291	17,949	27,830
South Atlantic	--------	51,181	113,712	139,904	154,397	123,176	104,379	133,014	127,216	149,795
Delaware	1903	3,765	5,208	8,492	4,426	3,386	4,138	4,460	3,613	3,702
Maryland	1898	7,616	13,617	17,992	16,152	15,950	13,788	18,787	14,700	16,597
Virginia	1906	7,114	14,214	19,189	22,022	17,640	20,669	21,688	19,790	26,284
West Virginia	1909	1,877	19,184	23,308	24,385	20,070	13,521	19,550	20,406	21,316
N. Carolina	1901	15,100	24,902	25,613	26,193	22,516	20,475	26,103	28,083	36,134
S. Carolina	1917	3,941	18,581	22,753	31,681	15,328	[2] 8,125	13,672	12,597	15,356
Georgia	1908	9,664	7,039	12,699	17,468	20,756	14,537	12,750	16,479	16,120
Florida	1915	2,103	10,967	9,858	12,070	7,530	9,126	16,004	11,548	14,286
E. S. Central	--------	16,621	68,942	92,737	86,158	57,533	51,828	62,126	55,169	63,493
Kentucky	1912	5,757	15,130	19,497	23,552	20,174	18,169	17,805	18,806	14,373
Tennessee	1915	6,328	29,741	53,278	41,209	25,405	15,357	18,472	14,190	15,711
Alabama	1911	1,036	19,317	15,373	14,523	7,195	10,711	15,716	12,197	17,540
Mississippi	1915	3,500	4,754	4,589	6,874	4,759	[5] 7,591	10,133	9,976	15,869
W. S. Central	--------	26,897	104,613	136,738	133,535	101,960	88,229	84,026	80,597	113,901
Arkansas	1913	--------	40,971	39,821	26,291	8,168	[4] 7,274	12,945	16,102	16,346
Louisiana	1910	5,347	17,143	29,357	50,033	38,852	25,781	16,139	19,022	29,829
Oklahoma	1911	4,775	11,969	20,228	15,047	12,144	14,524	14,772	11,568	17,994
Texas	1917	16,775	34,530	47,332	42,164	42,796	40,650	40,170	33,905	49,732
Mountain	--------	27,463	37,008	47,023	58,372	50,136	49,757	67,636	50,088	78,769
Montana	1913	3,640	4,488	6,378	7,173	8,502	7,480	12,984	7,633	12,939
Idaho	1905	4,863	3,365	6,637	7,717	6,592	5,193	6,593	6,105	9,115
Wyoming	1911	3,446	3,123	3,590	7,097	5,151	4,360	5,983	5,078	6,545
Colorado	1909	4,156	7,142	8,144	11,862	6,796	9,696	11,011	7,781	15,943
New Mexico	1909	3,713	6,675	9,138	8,762	5,718	7,605	10,219	7,359	11,642
Arizona	1909	2,948	4,873	5,233	7,242	7,041	5,491	7,503	5,631	9,000
Utah	1909	3,107	4,545	5,193	6,824	6,037	6,084	7,325	5,914	7,481
Nevada	1911	1,590	2,797	2,710	[6] 1,695	4,299	3,848	6,018	4,587	6,104
Pacific	--------	38,339	57,382	68,215	71,632	72,685	61,286	83,546	72,459	104,359
Washington	1905	9,696	15,702	15,806	17,681	19,494	11,032	21,241	17,666	23,858
Oregon	1913	17,828	11,328	14,668	17,136	13,188	12,660	15,116	16,991	21,833
California	1895	10,815	30,352	37,741	36,815	40,003	37,594	47,189	37,802	58,668

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

Source: Bureau of Public Roads, Department of Agriculture.

No. 414.—FUNDS AVAILABLE AND DISTRIBUTION OF DISBURSEMENTS FOR STATE HIGHWAY PURPOSES, 1936

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

Division and State	Funds available					Distribution of disbursements				
	Total	Motor-vehicle fees, motor-fuel and motor-carrier taxes	Federal funds [1]	Income from bonds, notes, and other loans	All other sources [2]	Total	Expenditures for State-administered highways: New and reconstructed roads and bridges [3]	Expenditures for State-administered highways: Maintenance roads and bridges [3]	Expenditures for State-administered highways: Other [4]	Other disbursements [5]
Cont'l U. S.	1,505,768	660,036	346,281	106,235	393,216	1,131,151	607,284	219,202	120,599	184,066
New England	126,841	61,251	12,752	11,453	41,385	92,791	37,888	17,402	5,726	31,775
Maine	17,818	8,743	2,854	1,414	4,807	14,192	6,206	3,949	1,793	2,244
N. Hampshire	9,266	5,537	1,454	1,005	1,270	6,997	2,753	2,419	694	1,131
Vermont	7,814	4,151	1,272	-------	2,391	5,915	2,361	1,426	354	1,774
Massachusetts	54,488	23,902	4,586	9,034	16,966	35,476	13,208	5,064	1,185	16,019
Rhode Island	11,876	4,915	1,514	-------	5,447	10,602	2,447	1,179	734	6,242
Connecticut	25,579	14,003	1,072	-------	10,504	19,609	10,913	3,365	966	4,365
Middle Atlantic	328,812	116,782	32,315	20,878	158,837	188,121	78,980	45,753	24,370	39,018
New York	129,725	21,601	17,411	20,878	69,835	68,239	47,843	9,807	7,566	3,023
New Jersey	90,511	35,311	5,768	-------	49,432	37,928	11,144	2,913	4,753	19,118
Pennsylvania	108,576	59,870	9,136	-------	39,570	81,954	19,993	33,033	12,051	16,877
E. N. Central	250,699	111,550	67,707	-------	71,442	188,268	109,719	35,076	18,841	24,632
Ohio	44,136	24,114	10,922	-------	9,100	32,895	15,914	12,873	2,625	1,483
Indiana	26,692	11,403	10,458	-------	4,831	25,084	19,060	4,588	1,357	79
Illinois	55,854	28,908	18,449	-------	8,497	49,035	27,889	5,011	11,253	4,882
Michigan	72,982	19,158	18,741	-------	35,083	40,885	31,246	6,626	3,013	-------
Wisconsin	51,035	27,967	9,137	-------	13,931	40,369	15,610	5,978	593	18,188
W. N. Central	173,819	75,357	63,715	19,320	15,427	151,654	87,560	24,947	15,608	23,539
Minnesota	37,603	14,538	11,780	6,680	4,605	31,551	18,272	6,805	2,396	4,078
Iowa	33,686	16,684	10,265	4,554	2,183	28,616	12,419	3,327	4,687	8,183
Missouri	38,757	19,546	11,829	5,136	2,246	35,316	21,104	5,056	6,156	3,000
North Dakota	8,235	2,348	4,971	350	566	7,522	4,190	1,376	360	1,596
South Dakota	9,029	2,645	5,365	-------	1,019	7,679	5,033	1,247	248	1,151
Nebraska	13,714	6,212	6,957	-------	545	13,140	9,732	2,986	422	-------
Kansas	32,795	13,384	12,548	2,600	4,263	27,830	16,810	4,150	1,339	5,531
South Atlantic	186,759	103,355	29,356	9,020	45,028	149,795	62,770	44,452	17,318	25,255
Delaware	4,220	2,891	698	-------	631	3,702	1,742	933	750	277
Maryland	18,540	10,409	1,826	70	6,235	16,597	6,127	1,679	2,045	6,746
Virginia	25,835	19,702	2,511	-------	3,622	26,284	11,140	14,322	818	4
West Virginia	27,816	12,513	4,672	3,200	7,431	21,316	8,477	4,425	3,901	4,513
N. Carolina	52,433	27,155	7,580	-------	17,698	36,134	9,131	15,026	5,525	6,452
S. Carolina	23,292	9,687	3,580	5,750	4,275	15,356	5,919	1,725	3,296	4,416
Georgia	22,905	12,459	3,722	-------	6,724	16,120	11,126	2,101	233	2,660
Florida	11,718	8,539	4,767	-------	[6] *1,638*	14,286	9,108	4,241	750	187
E. S. Central	93,809	41,385	27,145	11,111	14,168	63,493	35,682	10,544	10,393	6,874
Kentucky	19,951	14,559	5,821	-------	[6] *429*	14,373	6,399	4,157	1,191	2,626
Tennessee	28,147	12,984	4,866	-------	10,297	15,711	6,518	2,295	5,401	1,497
Alabama	19,994	8,849	6,973	-------	4,172	17,540	10,447	2,113	3,323	1,657
Mississippi	25,717	4,993	9,485	11,111	128	15,869	12,318	1,979	478	1,094
W. S. Central	120,158	55,157	42,175	7,096	15,730	113,901	74,361	17,355	14,654	7,531
Arkansas	19,849	10,887	5,327	-------	3,605	16,346	5,306	2,167	5,565	3,308
Louisiana	26,060	11,796	3,813	7,096	3,355	29,829	16,920	3,370	5,316	4,223
Oklahoma	15,098	8,261	7,209	-------	[6] *372*	17,994	13,414	2,681	1,899	-------
Texas	59,181	24,213	25,826	-------	9,142	49,732	38,721	9,137	1,874	-------
Mountain	110,253	29,748	41,450	26,657	12,398	78,769	57,638	10,702	6,932	3,497
Montana	13,631	4,284	7,957	-------	1,390	12,939	10,251	1,839	843	6
Idaho	9,938	4,035	5,125	-------	778	9,115	6,854	1,567	400	294
Wyoming	7,306	2,342	3,904	-------	1,060	6,545	5,114	816	433	182
Colorado	37,003	6,094	4,356	24,904	1,649	15,943	12,658	1,440	1,599	246
New Mexico	12,906	3,977	6,289	1,753	887	11,642	7,491	1,296	1,835	1,020
Arizona	9,273	3,626	5,498	-------	149	9,000	6,767	1,215	591	427
Utah	13,974	3,863	3,977	-------	6,134	7,481	4,621	1,755	792	313
Nevada	6,222	1,527	4,344	-------	351	6,104	3,882	774	439	1,009
Pacific	114,618	65,451	29,666	700	18,801	104,359	62,686	12,971	6,757	21,945
Washington	28,171	16,940	7,056	-------	4,175	23,858	10,894	2,307	500	10,157
Oregon	22,883	12,369	6,376	700	3,438	21,833	11,280	2,921	1,884	5,748
California	63,564	36,142	16,234	-------	11,188	58,668	40,512	7,743	4,373	6,040

[1] Includes regular Federal aid funds and emergency funds.
[2] Balance from previous year, transfers from local sources, and miscellaneous revenue.
[3] Includes some expenditures for administration and engineering.
[4] Administration and engineering expenses when not charged to construction and maintenance, interest on bonds and notes, net expenditures for equipment, and miscellaneous expenses.
[5] Principal payments on bonds and notes, expenditures or transfers for local units, and miscellaneous disbursements.
[6] Net deficit; $1,594,000 deficit from previous year for Florida, $2,218,000 for Kentucky, and $391,000 for Oklahoma.

Source: Bureau of Public Roads, Department of Agriculture.

No. 415.—FEDERAL AID AND EMERGENCY ROAD CONSTRUCTION AND GRADE CROSSING PROJECTS: STATUS AS OF DEC. 31, 1936

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

Division and State	Regular Federal-aid road construction				Emergency road construction and grade-crossing projects [1]							
	Projects under construction [2]			Federal-aid funds available for new projects	Total allotment of emergency funds	Projects under construction [2]						Emergency funds available for new projects
						Roads			Grade crossing projects			
	Total cost	Federal-aid allotted	Mileage			Total cost	Emergency funds allotted	Mileage	Total cost	Emergency funds allotted	Number [3]	
Grand total [4]	127,764	65,664	4,520	79,992	985,000	79,551	75,395	3,483	107,645	104,876	1,179	47,972
New England	7,448	3,645	75	3,849	46,877	4,034	3,606	53	4,384	4,295	48	3,911
Maine	800	400	19	583	8,185	397	397	19	585	584	8	303
New Hampshire	182	91	2	700	4,647	262	259	10	160	160	6	178
Vermont	763	355	20	153	4,470	178	142	1	192	177	5	76
Massachusetts	4,432	2,166	20	909	17,421	2,640	2,287	17	2,450	2,450	20	1,952
Rhode Island	561	280	5	667	4,702	------	------	------	278	277	3	27
Connecticut	710	353	9	837	7,452	557	521	6	719	647	6	1,375
Middle Atlantic	24,047	11,860	369	3,709	124,276	11,729	10,963	127	18,890	18,088	141	10,065
New York	13,791	6,817	234	224	58,282	5,755	5,531	42	9,689	9,433	59	1,874
New Jersey	2,569	1,207	29	1,036	16,681	3,337	2,887	25	2,305	2,294	16	1,435
Pennsylvania	7,687	3,836	106	2,449	49,313	2,637	2,545	60	6,896	6,361	66	6,756
East North Central	23,968	11,730	516	9,867	166,900	11,707	11,314	442	20,912	20,294	134	1,721
Ohio	6,019	2,846	60	4,750	39,460	4,209	4,101	141	4,769	4,543	34	1,148
Indiana	2,620	1,309	73	952	25,179	3,397	3,397	163	3,837	3,714	35	155
Illinois	5,763	2,847	116	2,168	45,493	3,058	2,930	100	5,626	5,456	33	137
Michigan	5,733	2,866	137	138	32,255	341	341	8	3,602	3,602	16	47
Wisconsin	3,833	1,862	130	1,859	24,513	702	545	30	3,078	2,979	16	234
West North Central	19,657	9,837	1,180	13,207	157,803	14,953	14,119	933	21,296	20,812	297	3,435
Minnesota	2,122	1,061	118	1,191	26,755	1,592	1,143	101	2,510	2,323	32	659
Iowa	2,955	1,476	114	526	25,766	3,014	2,842	204	3,668	3,633	61	62
Missouri	6,452	3,226	240	1,046	30,509	3,397	3,277	87	5,696	5,500	46	276
North Dakota	385	205	(5)	3,714	14,818	1,381	1,378	116	1,850	1,849	32	932
South Dakota	161	99	43	2,766	15,285	1,006	1,006	118	1,557	1,557	53	1,082
Nebraska	2,903	1,457	289	2,340	19,221	1,588	1,579	145	1,524	1,524	27	363
Kansas	4,679	2,313	376	1,624	25,449	2,975	2,894	162	4,491	4,426	46	61
South Atlantic	14,654	6,965	792	14,826	124,081	12,771	12,411	797	9,090	8,971	201	16,261
Delaware	415	202	12	697	4,061	585	483	24	143	120	1	437
Maryland	924	462	15	1,295	9,187	791	762	18	595	595	14	1,450
Dist. of Columbia	------	------	------	------	4,253	26	(5)	(5)	426	397	3	38
Virginia	2,240	1,120	110	1,464	18,609	987	969	186	954	915	19	1,399
West Virginia	1,125	562	32	1,569	11,664	2,272	2,223	79	1,333	1,333	19	1,265
North Carolina	2,748	1,363	216	2,501	23,907	3,015	2,952	175	2,539	2,524	82	1,086
South Carolina	3,894	1,612	251	1,194	13,992	1,694	1,645	141	1,401	1,389	32	1,341
Georgia	2,709	1,345	137	4,236	25,090	1,791	1,791	119	423	423	10	8,831
Florida	599	299	19	1,870	13,318	1,610	1,586	55	1,276	1,275	21	414
East South Central	3,047	1,525	120	14,108	77,660	6,227	6,226	281	8,364	8,075	107	4,332
Kentucky	1,002	501	36	2,614	18,734	1,044	1,044	61	2,463	2,174	15	1,283
Tennessee	579	290	19	3,491	20,892	1,173	1,173	42	1,548	1,548	29	1,908
Alabama	697	349	20	4,469	20,816	1,903	1,903	66	2,410	2,410	28	345
Mississippi	769	385	45	3,534	17,218	2,107	2,106	112	1,943	1,943	35	796
West South Central	8,677	4,619	376	11,685	114,867	8,344	7,796	615	11,664	11,654	141	3,679
Arkansas	471	470	12	1,855	17,103	1,001	999	108	1,651	1,648	23	230
Louisiana	886	443	32	1,796	14,896	2,114	1,849	117	1,447	1,447	15	1,093
Oklahoma	2,011	1,055	79	3,329	23,487	1,758	1,756	172	1,892	1,892	24	1,696
Texas	5,309	2,651	253	4,705	59,381	3,471	3,192	218	6,674	6,667	79	660
Mountain	12,056	7,430	670	6,403	99,640	3,542	3,254	160	5,109	5,024	55	3,502
Montana	2,616	1,465	172	1,227	17,608	301	293	10	179	179	2	147
Idaho	900	539	58	597	10,661	190	187	10	374	374	7	453
Wyoming	1,090	666	125	459	10,369	608	589	17	759	724	7	401
Colorado	2,977	1,634	108	477	16,387	246	246	11	848	848	8	1,756
New Mexico	1,956	1,186	103	554	13,331	712	712	41	1,062	1,059	8	169
Arizona	1,046	812	39	1,122	11,680	578	352	27	566	555	6	174
Utah	780	533	51	630	9,625	616	584	32	1,109	1,092	16	145
Nevada	691	595	14	1,337	9,979	291	291	12	212	193	1	257
Pacific	13,671	7,786	412	1,595	68,695	5,191	4,663	70	7,416	7,210	50	1,011
Washington	2,195	1,153	85	560	15,343	939	794	7	1,967	1,967	17	275
Oregon	2,689	1,594	114	405	14,578	1,237	875	9	1,529	1,447	9	268
California	8,787	5,039	213	630	38,774	3,015	2,994	54	3,920	3,796	24	468
Hawaii	538	266	10	743	4,201	1,053	1,042	10	522	454	5	53

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

[2] Projects approved for construction are as follows: Federal-aid roads, 2,062 miles, estimated cost, $56,198,000, Federal aid allotted, $29,059,000; emergency road construction, 573 miles, emergency funds allotted, $13,031,000; grade crossings, 748 projects, estimated cost, $18,606,000, emergency funds allotted, $17,971,000.

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

[4] Includes Hawaii.

[5] Less than one-half mile or less than $500.

Source: Bureau of Public Roads, Department of Agriculture.

No. 416.—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. Motorcycles and trailers are not included

Year	Production [1]						Registration (in thousands)		
	Number (in thousands)			Wholesale value (thousands of dollars)			Total	Passenger cars, busses, and taxis	Trucks and road tractors [2]
	Total	Passenger cars	Motor trucks [3]	Total	Passenger cars	Motor trucks [3]			
1900 [4]	4	4		4,899	4,899		8		
1905	25	25	(5)	40,000	39,030	970	78	77	1
1907	44	43	1	93,400	92,040	1,360	142	140	2
1908	65	63	2	137,800	135,250	2,550	198	194	3
1909 [4]	131	128	3	165,149	159,919	5,230	312	306	6
1910	187	181	6	225,000	215,340	9,660	468	458	10
1911	210	199	11	246,000	225,000	21,000	640	620	20
1912	378	356	22	378,000	335,000	43,000	944	903	41
1913	485	462	23	443,902	399,902	44,000	1,258	1,194	64
1914 [4]	569	544	25	458,958	413,859	45,098	1,711	1,626	86
1915	970	896	74	701,778	575,978	125,800	2,446	2,310	136
1916	1,618	1,526	92	1,082,378	921,378	161,000	3,513	3,298	215
1917	1,874	1,746	128	1,274,488	1,053,506	220,983	4,983	4,657	326
1918	1,171	943	227	1,236,107	801,938	434,169	6,147	5,622	525
1919	1,934	1,658	276	1,885,113	1,461,786	423,327	7,565	6,771	794
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,232	8,226	1,006
1921	1,682	1,518	164	1,261,667	1,091,752	169,914	10,463	9,483	980
1922	2,646	2,369	277	1,793,023	1,561,741	231,282	12,238	10,960	1,279
1923	4,180	3,754	427	2,592,033	2,274,554	317,479	15,091	13,538	1,553
1924	3,738	3,304	434	2,367,413	2,040,707	326,706	17,594	15,461	2,133
1925	4,428	3,871	557	3,015,164	2,544,529	470,635	19,937	17,496	2,441
1926	4,506	3,949	557	3,214,817	2,746,065	468,753	22,001	19,237	2,764
1927	3,580	3,083	497	2,700,706	2,265,633	435,073	23,133	20,219	2,914
1928	4,601	4,012	589	3,162,799	2,703,754	459,045	24,493	21,379	3,114
1929	5,622	4,795	827	3,576,646	2,981,142	595,504	26,501	23,122	3,380
1930	3,510	2,910	600	2,126,602	1,720,652	405,950	26,545	23,059	3,486
1931	2,472	2,038	434	1,426,656	1,153,908	272,748	25,833	22,366	3,467
1932	1,431	1,186	245	793,045	650,781	142,264	24,115	20,886	3,229
1933	1,986	1,627	359	987,436	795,305	192,132	23,844	20,616	3,227
1934	2,870	2,271	599	1,537,290	1,204,376	332,914	24,952	21,532	3,419
1935	4,120	3,388	732	2,187,847	1,788,635	399,212	26,231	22,583	3,647
1936	4,616	3,798	818	2,574,422	2,092,460	481,961	28,221	24,198	4,024

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

Sources: Automobile Manufacturers Association and Bureau of Public Roads.

No. 417.—FACTORY SALES OF PASSENGER CARS (UNITED STATES AND CANADA) BY WHOLESALE PRICE CLASSES, AND PERCENTAGE OF CLOSED CARS

NOTE.—For index numbers of retail sales of new passenger cars see table 830, p. 814

Year	Number sold								Percentage of closed cars
	Total	$500 and under	$501 to $750	$751 to $1,000	$1,001 to $1,500	$1,501 to $2,000	$2,001 to $3,000	Over $3,000	
1925	3,870,744	2,019,708	660,520	545,981	462,243	103,119	54,814	24,359	56.5
1926	3,948,843	1,633,775	1,149,301	500,508	476,675	94,915	73,738	19,931	72.0
1927	3,083,360	1,039,216	957,987	446,663	466,902	107,425	50,064	15,103	84.9
1928	4,012,158	1,698,603	1,219,266	462,452	456,117	108,448	55,304	11,968	88.5
1929	4,794,898	2,585,414	1,317,116	387,835	347,340	98,086	47,587	11,520	89.4
1930	2,910,187	1,754,747	680,352	204,450	179,180	55,351	27,266	8,841	90.4
1931	2,038,183	1,328,294	413,929	162,954	80,687	33,846	12,714	5,759	92.9
1932	1,186,185	794,164	260,831	74,610	36,670	8,699	8,679	2,532	96.0
1933	1,627,361	1,316,341	237,099	32,610	20,125	10,409	8,725	2,052	98.5
1934	2,270,566	1,443,357	715,989	66,223	27,576	8,391	6,879	2,151	98.8
1935	3,387,806	1,787,171	1,444,529	110,813	28,736	8,716	5,413	2,428	99.5
1936	3,797,897	1,919,618	1,677,558	143,269	39,997	11,545	4,326	1,584	99.6

Source: Automobile Manufacturers Association.

No. 418.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES [1]

Month	1929	1930	1931	1932	1933	1934	1935	1936	1937
	Passenger cars								
Total	4,587,400	2,784,745	1,973,090	1,135,491	1,573,512	2,177,919	3,252,244	3,669,528	--------
January	347,609	233,815	138,317	98,803	109,833	112,754	227,554	297,692	309,637
February	406,171	280,016	180,419	94,110	90,128	186,774	273,576	224,211	296,636
March	513,656	330,922	231,244	99,399	97,469	279,274	359,410	342,870	403,879
April	537,564	372,932	286,917	120,937	149,755	288,355	387,158	416,431	439,980
May	516,181	361,368	271,475	157,756	180,651	273,764	305,547	384,921	425,432
June	452,749	285,936	210,396	160,338	207,597	261,280	294,182	375,337	411,394
July	425,998	222,205	184,173	94,705	191,265	223,094	274,344	371,922	--------
August	441,820	183,918	155,425	75,907	191,414	183,500	181,130	209,351	--------
September	364,336	176,426	109,228	64,748	157,376	125,040	56,097	90,101	--------
October	319,330	113,808	58,415	35,107	104,870	84,003	213,310	190,242	--------
November	169,492	101,141	49,184	47,532	42,365	49,020	336,914	341,085	--------
December	92,494	122,258	97,897	86,149	50,789	111,061	343,022	425,365	--------
	Motor trucks and busses								
Total	771,020	571,241	416,648	235,187	346,545	575,192	694,690	784,587	--------
January	53,428	39,406	33,531	20,541	18,992	42,912	62,174	66,250	70,414
February	60,247	50,398	39,521	23,308	15,319	48,482	58,655	63,331	67,355
March	71,799	65,466	45,161	19,560	17,803	59,160	66,503	78,052	90,397
April	84,346	71,092	50,022	27,389	26,677	64,620	65,778	86,243	96,354
May	88,510	58,659	45,688	26,539	33,760	56,691	55,560	75,591	91,467
June	93,183	48,570	40,244	22,768	42,130	45,197	62,158	77,631	85,904
July	44,842	43,328	34,317	14,438	38,092	41,839	57,765	68,809	--------
August	56,808	40,450	31,772	14,418	41,441	51,311	56,270	61,923	--------
September	51,576	44,223	31,338	19,402	34,424	44,967	31,443	45,064	--------
October	60,687	40,593	21,727	13,595	29,813	47,988	58,733	34,446	--------
November	48,081	35,613	19,683	12,025	18,318	34,462	58,145	53,902	--------
December	27,513	33,443	23,644	21,204	29,776	42,563	61,506	73,345	--------

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

No. 419.—STATE MOTOR-FUEL TAXES

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

State	Total earnings (tax and other receipts) in thousands of dollars			Tax in cents per gallon on Dec. 31—	
	1934	1935	1936	1935	1936
Total	566,642	619,777	691,420	[1] 4	[1] 4
Alabama	9,299	10,313	11,803	6	6
Arizona	3,029	3,279	3,843	5	5
Arkansas	7,864	8,262	9,235	6½	6½
California	35,970	39,984	43,008	3	3
Colorado	6,475	6,010	6,833	4	4
Connecticut	4,973	5,672	8,835	3	3
Delaware	1,185	1,482	1,856	4	4
Dist. of Col.	2,063	2,197	2,393	2	2
Florida	16,534	17,897	20,317	7	7
Georgia	14,366	15,772	17,493	6	6
Idaho	2,872	3,124	3,696	5	5
Illinois	29,131	30,385	33,819	3	3
Indiana	17,570	19,262	21,154	4	4
Iowa	11,255	11,549	12,196	3	3
Kansas	8,634	8,961	9,520	3	3
Kentucky	9,221	9,836	11,277	5	5
Louisiana	8,923	9,417	12,207	5	7
Maine	4,486	4,573	5,202	4	4
Maryland	7,809	8,278	8,921	4	4
Massachusetts	17,002	17,334	18,448	3	3
Michigan	20,984	22,791	25,739	3	3
Minnesota	10,943	11,362	12,329	3	3
Mississippi	7,025	7,512	9,062	6	6
Missouri	9,681	9,845	11,188	2	2
Montana	3,664	3,845	4,455	5	5
Nebraska	8,656	9,809	11,320	5	5
Nevada	894	962	1,080	4	4
New Hampshire	2,746	2,868	3,181	4	4
New Jersey	17,098	18,205	19,106	3	3
New Mexico	2,575	2,878	3,410	5	5
New York	43,985	56,311	55,709	4	3
North Carolina	17,191	19,147	20,961	6	6
North Dakota	2,262	2,323	2,301	3	3
Ohio	37,618	39,169	43,450	4	4
Oklahoma	10,821	11,877	13,216	4	4
Oregon	7,252	7,943	9,218	5	5
Pennsylvania	33,413	40,709	49,383	4	4
Rhode Island	2,060	2,106	2,230	2	2
South Carolina	7,719	8,584	9,695	6	6
South Dakota	3,765	4,315	4,186	4	4
Tennessee	14,114	14,966	18,158	7	7
Texas	31,751	33,606	38,471	4	4
Utah	2,515	2,714	3,088	4	4
Vermont	1,942	2,049	2,277	4	4
Virginia	12,477	13,341	14,714	5	5
Washington	11,959	12,568	14,345	5	5
West Virginia	5,704	6,103	6,810	4	4
Wisconsin	15,399	16,250	18,028	4	4
Wyoming	1,768	1,932	2,254	4	4

[1] Weighted average rate for the year.

Sources: Table 418, Bureau of the Census, Department of Commerce (data published currently in mimeographed reports); table 419, Bureau of Public Roads, Department of Agriculture.

No. 420.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES

NOTE.—Net number of cars and trucks shown when possible, excluding reregistrations and nonresident registrations. Totals in this table do not include, in most cases, those official cars which are exempt (or partially exempt) from paying regular registration fees to the States. Tractor trucks and tractors for highway use are included beginning with 1925.

Division and State	1913	1915	1920	1925	1930	1935	1936
Continental U. S.	1,258,062	2,445,666	9,231,941	19,937,274	26,545,281	26,230,834	28,221,291
New England	121,327	206,609	573,321	1,290,151	1,698,619	1,680,828	1,772,050
Maine	11,022	21,545	62,907	140,499	186,157	181,165	191,554
New Hampshire	8,237	13,449	34,680	81,498	112,183	117,154	122,236
Vermont	5,913	11,499	31,625	69,576	86,624	[1] 81,513	84,155
Massachusetts	62,660	102,633	274,498	646,153	846,206	785,572	816,711
Rhode Island	10,295	16,362	50,477	101,756	136,423	148,597	159,140
Connecticut	23,200	41,121	119,134	250,669	331,026	366,827	398,254
Middle Atlantic	266,033	497,227	1,474,106	3,536,570	4,914,101	4,964,655	5,315,070
New York	134,495	255,242	676,205	1,625,583	2,307,730	2,330,962	2,453,542
New Jersey	51,360	81,848	227,737	580,554	852,850	888,292	943,412
Pennsylvania	80,178	160,137	570,164	1,330,433	1,753,521	1,745,401	1,918,116
East North Central	314,524	653,665	2,229,396	4,918,383	6,384,157	6,084,562	6,550,740
Ohio	86,156	181,332	621,390	1,346,400	1,759,363	[1] 1,714,627	[2] 1,777,048
Indiana	45,000	96,915	333,067	725,410	875,763	850,650	905,088
Illinois	94,656	180,832	568,924	1,263,177	1,638,260	1,525,817	1,659,750
Michigan	54,366	114,845	412,717	989,010	1,328,209	1,239,431	1,373,676
Wisconsin	34,346	79,741	293,298	594,386	782,562	754,037	835,178
West North Central	232,044	499,992	1,782,946	2,941,814	3,681,901	3,495,150	3,667,070
Minnesota	46,000	93,269	324,166	569,694	732,972	726,993	783,627
Iowa	70,299	145,109	437,378	659,202	778,386	699,016	728,414
Missouri	38,140	76,462	297,008	604,166	761,600	766,369	809,615
North Dakota	15,187	24,908	90,840	144,972	183,019	164,217	167,241
South Dakota	14,457	28,724	120,395	168,028	205,172	179,271	186,480
Nebraska	13,411	59,000	219,000	338,719	426,229	406,178	413,787
Kansas	34,550	72,520	294,159	457,033	594,523	553,106	577,906
South Atlantic	77,823	150,594	806,053	1,920,982	2,517,673	2,656,918	2,897,724
Delaware	2,440	5,052	18,300	40,140	56,109	56,560	59,629
Maryland	14,217	31,047	102,841	234,247	321,702	345,578	378,462
District of Columbia	4,000	8,009	34,161	103,092	156,676	171,464	181,319
Virginia	9,022	21,357	115,470	282,650	375,889	[3] 385,555	417,463
West Virginia	5,144	13,279	80,664	217,589	266,273	248,379	280,015
North Carolina	10,000	21,000	140,860	[4] 340,287	453,241	463,123	504,517
South Carolina	10,000	15,000	93,843	168,496	218,402	[5] 235,919	278,829
Georgia	[6] 20,000	25,000	146,000	248,093	341,580	[7] 394,096	410,583
Florida	[6] 3,000	[6] 10,850	73,914	286,388	327,801	356,244	386,907
East South Central	26,360	48,421	357,658	878,115	1,213,501	1,126,993	1,256,550
Kentucky	7,210	19,500	112,683	261,647	331,002	346,130	372,576
Tennessee	[8] 10,000	[9] 7,618	101,852	244,626	368,259	351,898	380,792
Alabama	5,300	11,634	74,637	194,580	277,146	[10] 242,676	297,292
Mississippi	3,850	9,669	68,486	177,262	237,094	186,289	205,890
West South Central	48,583	84,433	772,655	1,790,017	2,411,714	2,360,458	2,529,685
Arkansas	3,583	8,021	59,082	183,589	220,204	207,429	217,227
Louisiana	[8] 10,000	11,380	73,000	207,000	275,283	268,824	302,420
Oklahoma	[6] 3,000	25,032	212,880	424,345	550,331	502,101	531,914
Texas	[8] 32,000	[8] 40,000	427,693	975,083	1,365,896	[3] 1,382,104	1,478,124
Mountain	33,215	78,520	374,473	675,706	982,572	958,997	1,071,929
Montana	5,916	14,540	60,650	94,656	135,168	149,712	167,150
Idaho	2,113	7,071	50,861	81,506	119,077	118,266	133,037
Wyoming	1,584	3,976	23,926	47,711	61,501	69,998	76,603
Colorado	13,000	28,894	129,255	240,097	308,509	284,578	316,050
New Mexico	1,898	5,100	22,100	49,111	84,150	92,457	108,729
Arizona	3,613	7,753	34,601	68,029	110,525	103,122	115,035
Utah	4,000	9,177	42,616	73,427	113,997	106,006	116,816
Nevada	1,091	2,009	10,464	21,169	29,645	34,858	38,509
Pacific	138,153	226,205	861,333	1,985,536	2,761,043	2,902,273	3,160,473
Washington	24,178	38,823	173,920	328,442	446,062	453,660	499,760
Oregon	13,975	23,585	103,790	216,553	[11] 273,625	[12] 297,112	[12] 332,729
California	[8] 100,000	163,797	583,623	1,440,541	2,041,356	2,151,501	2,327,984

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

Source: Bureau of Public Roads, Department of Agriculture.

No. 421.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1936

Division and State	Number of motor cars: Total	Number of motor cars: Registered vehicles, private and commercial: Passenger cars, busses, and taxis	Number of motor cars: Registered vehicles, private and commercial: Trucks, tractor trucks, etc.	Number of motor cars: Publicly owned vehicles, Federal, State, county, etc.	Trailers, registered (including official)[1]	Motorcycles, registered (including official)	Receipts from motor-vehicle administration: Total receipts[2]	Receipts from motor-vehicle administration: Registration motor cars
							Thousands of dollars	
Continental U. S.	[3] 28,519,059	**24, 197, 685**	**4, 023, 606**	[4] 299, 268	[5] 878, 241	[6] 105, 068	**359, 783**	**304, 028**
New England	1, 738, 438	**1, 515, 971**	**256, 079**	**17, 888**	**29, 937**	**6, 799**	**23, 810**	**16, 888**
Maine	194, 672	150, 606	[7] 40, 948	3, 118	[7] 9, 262	1, 005	3, 582	[8] 2, 703
New Hampshire	123, 291	[9] 97, 361	[9] 24, 875	1, 055	3, 967	969	2, 635	2, 149
Vermont	85, 092	[10 11] 75, 310	[10] 8, 845	[11] 937	1, 477	543	2, 245	1, 899
Massachusetts	[12] 821, 999	[12] 714, 081	102, 630	[12] 6, 788	10, 545	1, 338	6, 795	4, 188
Rhode Island	160, 888	140, 417	18, 723	1, 748	411	771	2, 596	2, 045
Connecticut	402, 496	338, 196	60, 058	4, 242	4, 275	2, 173	5, 957	3, 904
Middle Atlantic	5, 360, 467	**4, 588, 828**	**726, 242**	**45, 397**	**62, 162**	**28, 649**	**99, 472**	**78, 710**
New York	2, 483, 780	2, 134, 350	319, 192	30, 238	31, 608	11, 263	46, 291	40, 443
New Jersey	954, 317	813, 472	129, 940	10, 905	5, 722	5, 345	17, 850	12, 641
Pennsylvania	1, 922, 370	[11] 1, 641, 006	277, 110	[11] 4, 254	24, 832	12, 041	35, 331	25, 626
East North Central	6, 604, 322	**5, 753, 923**	**796, 817**	**53, 582**	**299, 648**	**23, 804**	**83, 660**	**74, 130**
Ohio [13]	1, 799, 580	[9] 1, 604, 775	[9] 172, 273	22, 532	103, 626	7, 923	23, 256	21, 029
Indiana	911, 781	767, 279	137, 809	6, 693	52, 745	3, 534	9, 044	7, 133
Illinois	1, 671, 566	[9] 1, 456, 652	[9] 203, 098	11, 816	18, 567	5, 943	19, 410	17, 612
Michigan	1, 376, 392	[9 11] 1,234,692	[9] 138, 984	[11] 2, 716	119, 817	3, 251	19, 737	16, 768
Wisconsin	845, 003	690, 525	144, 653	9, 825	4, 893	3, 153	12, 213	11, 588
West North Central	3, 691, 402	**3, 135, 228**	**531, 842**	**24, 332**	**163, 540**	**8, 040**	**36, 939**	**34, 157**
Minnesota	790, 388	669, 179	114, 448	6, 761	26, 612	1, 902	8, 189	7, 691
Iowa	734, 546	644, 565	83, 849	6, 132	[14] 58, 694	2, 133	10, 793	10, 297
Missouri	813, 273	681, 644	127, 971	3, 658	26, 837	1, 644	8, 988	7, 832
North Dakota	168, 534	137, 591	29, 650	1, 293	520	251	1, 456	1, 338
South Dakota	188, 549	158, 264	28, 216	2, 069	19, 471	420	1, 540	1, 464
Nebraska	416, 763	353, 192	60, 595	2, 976	26, 281	964	2, 158	1, 951
Kansas	579, 349	[9 11] 490, 793	[9] 87, 113	[11] 1, 443	5, 125	726	3, 815	3, 584
South Atlantic	2, 935, 594	**2, 464, 738**	**432, 986**	**37, 870**	**81, 932**	**10, 299**	**34, 691**	**28, 764**
Delaware	60, 675	[9] 49, 619	[9] 10, 010	1, 046	2, 238	335	1, 102	804
Maryland	380, 529	[11] 324, 064	54, 398	[11] 2, 067	3, 380	1, 499	4, 744	3, 141
Dist. of Columbia	185, 229	162, 922	18, 397	3, 910	1, 984	953	963	186
Virginia	425, 809	352, 281	65, 182	8, 346	6, 678	1, 974	5, 737	5, 075
West Virginia	285, 511	236, 532	43, 483	5, 496	2, 886	1, 202	5, 832	4, 438
North Carolina	507, 495	434, 779	69, 738	2, 978	35, 938	1, 297	7, 589	[8 15] 7, 350
South Carolina	283, 607	243, 662	35, 167	4, 778	3, 329	841	1, 876	1, 523
Georgia	413, 236	[11] 337, 857	72, 726	[11] 2, 653	11, 995	1, 045	1, 302	1, 230
Florida	393, 503	323, 022	63, 885	6, 596	13, 504	1, 153	5, 546	5, 017
East South Central	1, 275, 019	**1, 059, 229**	**197, 321**	**18, 469**	**6, 058**	**3, 314**	**14, 267**	**12, 395**
Kentucky	378, 433	320, 736	[7] 51, 840	5, 857	[7] 19	905	4, 591	3, 262
Tennessee	387, 123	329, 405	[7] 51, 387	6, 331	[7] 38	1, 348	3, 706	[15] 3, 526
Alabama	302, 142	246, 557	50, 735	4, 850	4, 674	861	4, 101	[15] 3, 777
Mississippi	207, 321	[11] 162, 531	43, 359	[11] 1, 431	1, 327	200	1, 869	1, 830
West South Central	2, 565, 186	**2, 031, 604**	**498, 081**	**35, 501**	**72, 606**	**6, 311**	**29, 409**	**26, 377**
Arkansas	220, 189	169, 389	47, 838	2, 962	10, 283	433	2, 829	2, 361
Louisiana	308, 870	228, 792	73, 628	6, 450	12, 347	850	4, 112	3, 605
Oklahoma	539, 647	441, 276	90, 638	7, 733	7, 041	1, 058	4, 743	3, 700
Texas	1, 496, 480	1, 192, 147	285, 977	18, 356	42, 935	3, 970	17, 725	16, 711
Mountain	1, 090, 638	**889, 279**	**182, 650**	**18, 709**	**36, 133**	**3, 530**	**10, 636**	**8, 971**
Montana	170, 116	[9] 127, 839	[9] 39, 311	2, 966	1, 836	416	1, 730	1, 480
Idaho	135, 473	107, 185	25, 852	2, 436	16, 233	480	2, 175	2, 066
Wyoming	78, 168	61, 129	15, 474	1, 565	8, 603	229	541	501
Colorado	317, 750	[11] 284, 120	31, 930	[11] 1, 700	1, 503	1, 110	2, 589	1, 893
New Mexico	111, 350	85, 906	22, 823	2, 621	2, 303	300	1, 318	1, 217
Arizona	118, 607	94, 852	20, 183	3, 572	3, 353	391	1, 028	754
Utah	119, 601	97, 419	19, 397	2, 785	1, 196	480	976	808
Nevada	39, 573	30, 829	7, 680	1, 064	1, 106	124	279	252
Pacific	3, 205, 017	**2, 758, 885**	**401, 588**	**44, 544**	**126, 196**	**14, 312**	**26, 899**	**23, 636**
Washington	509, 378	420, 222	79, 538	9, 618	12, 438	1, 986	2, 980	2, 403
Oregon	339, 005	278, 130	[7] 54, 599	6, 276	[7] 28	1, 426	2, 832	[8] 2, 475
California	2, 356, 634	[9] 2, 060, 533	[9] 267, 451	28, 650	113, 730	10, 900	21, 087	18, 758

[1] Data as reported; apparent inconsistencies are due to different registration requirements of States.
[2] Includes registrations fees, licenses, permits, fines, etc.; excludes motor-fuel and motor-carrier taxes.
[3] Figures adjusted for duplication of 1,500 publicly owned vehicles (see note 12); includes 2,976 publicly owned cars at large.
[4] Includes 2,976 cars at large. [5] Includes 29 trailers at large. [6] Includes 10 motorcycles at large.
[7] Some trailers registered with trucks. [8] Includes fees for registration of trailers.
[9] Busses included with trucks. [10] Light delivery trucks included with passenger cars.
[11] State, county, and municipal vehicles included with registered vehicles.
[12] 1,500 publicly owned vehicles included also with registered vehicles; total adjusted for duplication.
[13] Data cover 9 months ended Dec. 31, 1936.
[14] Includes 53,551 light trailers registered without charge; such data were not included prior to 1934.
[15] Includes receipts for dealers' licenses and plates.

Source: Bureau of Public Roads, Department of Agriculture.

No. 422.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

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

Year	Entire registration area			Registration States				
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Number of cars registered (including official)	Deaths per 100,000 cars
1911	59,183,071	1,291	2.2	54,285,189	1,150	2.2	----------	--------
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	118,472,000	29,080	24.5	117,249,000	28,684	24.5	25,350,499	113.1
1931	119,479,000	30,042	25.1	118,215,000	29,658	25.1	24,705,328	120.0
1932	120,291,000	26,350	21.9	119,027,000	26,033	21.9	23,085,036	112.8
1933 [1]	125,770,000	29,323	23.3	125,770,000	29,323	23.3	24,103,969	121.7
1934 [1]	126,626,000	33,980	26.8	126,626,000	33,980	26.8	25,223,170	134.7
1935 [1]	127,521,000	34,183	26.8	127,521,000	34,183	26.8	26,514,791	128.9

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
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	6,809	12.1	47,530,395	10,640	22.4	1,840,862	422	22.9
1926	54,389,753	7,348	13.5	48,601,407	11,071	22.8	1,947,141	452	23.2
1927	56,613,922	8,452	14.9	49,695,724	12,252	24.7	1,867,922	456	24.4
1928	61,350,563	9,997	16.3	51,700,100	13,430	26.0	1,207,853	338	28.0
1929	62,421,794	11,797	18.9	52,676,178	14,865	28.2	1,219,543	404	33.1
1930	60,565,200	12,193	20.1	56,772,800	16,491	29.0	1,222,800	396	32.4
1931	60,302,100	12,702	21.1	57,854,900	16,956	29.3	1,264,200	384	30.4
1932	61,033,400	11,304	18.5	57,824,600	14,729	25.5	1,264,200	317	25.1
1933 [1]	65,411,700	13,267	20.3	60,281,300	16,056	26.6	(1)	(1)	(1)
1934 [1]	(2)	15,712	(2)	(2)	18,268	(2)	(1)	(1)	(1)
1935 [1]	(2)	16,521	(2)	(2)	17,662	(2)	(1)	(1)	(1)

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

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

No. 423.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motorcycles, but exclude deaths from collisions of automobiles with railroad trains and street cars. See table 74 for percent of total population included in the registration area for each year prior to 1933; since 1933 the entire population is included. Rates for 1930 to 1935 for registration States and for Washington, D. C., are based on revised estimates of population. Population estimates for cities other than Washington are not available for 1934 and 1935 and estimates for earlier years have not been revised

State	Number of deaths						Rate per 100,000 estimated population					
	1926–1930, avg.	1931	1932	1933	1934	1935	1926–1930, avg.	1931	1932	1933	1934	1935
Registration area in continental United States	23,988	30,042	26,350	29,323	33,980	34,183	21.3	25.2	21.9	23.3	26.8	26.8
Total registration States[1]	23,579	29,658	26,033	29,323	33,980	34,183	21.3	25.1	21.9	23.3	26.8	26.8
Alabama	392	472	405	485	498	579	15.1	17.5	14.8	17.5	17.8	20.4
Arizona	143	149	162	147	205	205	34.2	35.0	38.7	35.7	50.5	50.5
Arkansas	[2] 242	313	260	280	350	384	[2] 13.1	16.5	13.5	14.4	17.7	19.2
California	1,828	2,367	2,198	2,233	2,625	2,633	34.5	41.0	37.7	38.0	44.2	43.9
Colorado	232	319	284	298	328	312	22.8	30.6	27.1	28.3	31.0	29.4
Connecticut	376	457	409	452	464	477	24.0	27.9	24.7	26.9	27.3	27.8
Delaware	64	76	79	84	81	66	27.1	31.3	32.0	33.6	32.0	25.8
Florida	479	518	485	494	604	604	34.6	34.4	31.6	31.7	38.1	37.4
Georgia	[3] 519	608	541	651	777	900	[3] 17.8	20.7	18.2	21.8	25.8	29.7
Idaho	87	88	86	117	150	158	19.7	19.4	18.7	25.1	31.7	33.0
Illinois	1,645	2,049	1,831	1,943	2,288	2,037	22.1	26.6	23.7	25.1	29.4	26.1
Indiana	772	1,023	845	979	1,144	1,056	24.2	31.1	25.4	29.1	33.6	30.8
Iowa	376	564	422	514	531	570	15.3	22.6	16.9	20.5	21.0	22.5
Kansas	322	402	386	482	481	518	17.3	21.4	20.6	25.7	25.7	27.6
Kentucky	357	514	441	504	630	657	13.8	19.2	16.2	18.2	22.4	23.1
Louisiana	332	412	341	395	461	500	16.2	19.5	16.1	18.7	21.8	23.6
Maine	127	159	149	190	201	200	16.0	19.6	18.2	22.9	24.0	23.7
Maryland	363	466	410	429	488	446	22.7	28.3	24.8	25.9	29.3	26.7
Massachusetts	732	813	777	801	986	829	17.5	19.0	18.1	18.6	22.8	18.9
Michigan	1,284	1,407	1,143	1,196	1,416	1,573	27.7	29.4	24.1	25.4	30.3	33.2
Minnesota	439	622	486	525	624	585	17.3	24.1	18.7	20.1	23.8	22.3
Mississippi	265	284	234	283	401	385	13.4	14.1	11.6	14.1	20.0	19.2
Missouri	605	844	690	770	944	910	16.8	22.8	18.3	20.2	24.4	23.3
Montana	100	118	96	115	198	155	18.5	22.0	17.9	21.6	37.3	29.2
Nebraska	224	291	212	283	293	325	16.4	21.2	15.5	20.7	21.5	23.8
Nevada	[4] 40	63	59	63	69	77	[4] 44.2	67.7	62.1	65.6	70.4	77.8
New Hampshire	83	100	70	135	104	128	18.0	21.1	14.5	27.6	21.0	25.5
New Jersey	1,040	1,229	1,105	1,147	1,186	1,156	26.7	29.9	26.6	27.3	27.9	27.0
New Mexico	[4] 104	95	97	102	146	154	[4] 24.7	22.5	23.0	24.2	34.6	36.5
New York	2,628	3,077	2,813	2,784	2,903	2,783	21.5	24.2	22.1	21.8	22.6	21.6
North Carolina	555	650	558	725	874	965	18.1	20.1	17.0	21.8	25.9	28.2
North Dakota	78	110	57	101	118	107	11.6	16.0	8.3	14.6	16.9	15.3
Ohio	1,706	1,970	1,822	1,829	2,119	2,161	26.3	29.5	27.3	27.3	31.6	32.2
Oklahoma	[3] 433	404	437	485	584	649	[3] 18.3	16.6	17.8	19.6	23.4	25.9
Oregon	221	292	223	249	309	284	23.9	30.1	22.8	25.2	30.9	28.2
Pennsylvania	2,011	2,412	2,043	2,190	2,439	2,295	21.2	24.7	20.8	22.1	24.4	22.8
Rhode Island	136	116	101	97	103	106	20.2	16.9	14.7	14.2	15.1	15.6
South Carolina	288	380	329	342	470	477	16.7	21.5	18.4	19.0	25.8	25.9
South Dakota	[5] 112	116	101	115	119	142	[5] 16.1	16.7	14.6	16.6	17.2	20.5
Tennessee	409	547	474	540	672	688	15.9	20.4	17.5	19.7	24.1	24.4
Texas	(6)	(6)	(6)	1,292	1,579	1,801	(6)	(6)	(6)	21.6	26.2	29.6
Utah	109	157	115	135	178	178	21.9	30.8	22.5	26.3	34.6	34.6
Vermont	62	71	63	70	97	81	17.3	19.5	17.1	18.9	25.9	21.5
Virginia	413	656	561	592	747	826	13.0	26.5	22.3	23.1	28.7	31.3
Washington	397	461	413	442	596	547	26.0	29.1	25.8	27.5	36.7	33.5
West Virginia	305	427	332	382	416	497	18.1	24.3	18.7	21.4	23.1	27.4
Wisconsin	568	731	624	627	687	762	19.7	24.9	21.3	21.5	23.6	26.2
Wyoming	65	98	78	87	105	100	29.5	43.0	34.1	37.8	45.5	43.1

	1926–1930, avg.	1931	1932	1933	1934[7]	1935[7]	1921–1925, avg.	1926–1930, avg.	1930	1931	1932	1933
Total registration cities[8]	14,031	17,340	15,046	16,056	18,268	17,662	19.1	26.3	29.0	29.3	25.5	26.6
Akron	82	77	80	85	88	84	18.0	34.3	39.1	29.3	30.3	32.1
Albany	40	45	35	37	47	47	23.7	32.0	37.6	34.9	27.1	28.5
Atlanta	76	95	99	105	108	116	23.5	29.2	32.0	34.2	35.7	37.4
Baltimore	188	226	201	185	225	198	17.1	23.7	25.5	27.8	24.7	22.6
Birmingham	63	82	75	80	74	69	22.3	25.6	26.8	30.4	27.9	29.3

For footnotes see following page.

No. 423.—Automobile Fatalities in States and Large Cities Having Death Registration—Continued

City	Number of deaths						Rate per 100,000 estimated population					
	1926–1930, avg.	1931	1932	1933	1934 [8]	1935 [8]	1921–1925, avg.	1926–1930, avg.	1930	1931	1932	1933
Boston	138	148	151	143	166	164	17.4	17.8	15.3	18.8	19.2	18.2
Bridgeport	36	59	27	51	47	50	17.3	24.6	27.2	40.1	18.4	34.6
Buffalo	156	153	132	144	151	146	21.0	27.8	30.5	26.3	22.7	24.6
Chicago	795	953	846	882	952	779	20.4	24.4	24.8	27.6	24.5	25.3
Cincinnati	135	149	124	143	187	163	21.8	30.5	36.9	32.6	27.1	31.1
Cleveland	281	286	262	248	268	256	22.7	31.8	33.6	31.4	28.7	27.0
Columbus	99	121	99	109	120	129	21.1	35.0	46.3	40.9	33.5	36.4
Dallas	64	81	71	83	90	102	19.2	26.2	29.7	29.7	26.0	29.9
Dayton	61	75	58	70	80	82	16.6	31.7	35.2	36.7	28.3	33.9
Denver	63	86	86	97	106	91	16.5	22.3	27.7	29.5	29.5	33.1
Des Moines	33	43	45	43	45	54	[9] 14.2	23.6	32.2	29.8	31.1	29.6
Detroit	388	372	321	307	336	329	21.0	26.8	24.2	22.5	19.6	18.4
Flint	44	53	38	56	54	77	16.2	30.1	31.6	32.3	23.2	33.5
Fort Worth	43	55	56	45	63	63	[10] 15.3	27.3	34.1	32.9	33.4	26.6
Grand Rapids	38	36	29	23	39	46	19.1	23.2	27.8	21.0	16.9	13.3
Hartford	46	55	50	55	59	53	25.9	28.8	22.5	32.9	29.9	32.6
Houston	77	101	64	103	108	108	15.5	29.6	34.2	32.6	20.6	32.4
Indianapolis	110	156	99	124	143	139	17.5	31.0	36.7	42.2	26.8	33.3
Jacksonville	45	56	58	65	60	55	24.7	35.6	34.6	42.5	42.1	46.8
Jersey City	56	43	58	64	73	52	15.1	17.9	17.3	13.5	18.2	20.0
Kansas City, Kans	19	24	36	30	47	37	15.2	15.8	29.5	19.5	29.3	24.3
Kansas City, Mo	92	137	89	121	122	106	22.3	23.8	29.4	33.5	21.8	29.3
Long Beach	39	60	55	55	59	49	25.8	30.2	33.4	39.4	36.0	35.0
Los Angeles	365	488	486	466	521	549	27.6	32.2	33.3	37.0	36.8	34.4
Louisville	80	109	85	88	123	106	18.9	26.1	28.3	35.4	27.0	27.7
Memphis	75	100	101	116	112	98	23.4	36.2	34.3	38.6	39.0	44.4
Milwaukee	114	108	97	89	79	77	14.8	20.5	19.0	18.2	16.3	14.9
Minneapolis	88	114	91	98	105	124	16.7	19.6	23.6	24.1	19.2	20.5
Nashville	51	71	72	55	65	82	23.1	34.9	41.5	45.7	46.3	35.2
New Haven	49	51	53	45	48	52	20.9	30.1	27.7	31.3	32.6	27.7
New Orleans	108	126	91	120	126	134	15.5	24.2	26.1	27.0	19.5	25.5
New York	1,191	1,299	1,163	1,146	1,135	1,045	15.8	17.8	18.8	18.3	16.4	16.0
Newark, N. J	123	106	98	100	90	117	27.2	28.1	31.4	23.8	22.0	22.4
Norfolk	27	44	36	41	40	34	13.3	20.4	18.5	33.9	27.8	31.6
Oakland	74	101	64	68	87	79	18.4	27.2	38.9	34.6	21.9	23.0
Oklahoma City	44	55	66	62	54	64	12.2	26.1	40.5	27.9	33.3	30.8
Omaha	49	66	44	58	67	65	15.1	23.3	27.0	30.5	20.3	26.6
Paterson	50	52	56	57	42	57	28.5	36.2	36.1	37.5	40.3	41.0
Philadelphia	346	354	321	367	364	303	14.0	17.9	19.3	18.0	16.6	18.6
Pittsburgh	193	218	159	137	143	173	23.7	29.4	34.0	32.2	23.5	20.2
Portland, Oreg	61	95	74	83	98	88	14.7	20.8	23.4	30.9	24.1	26.9
Providence	69	52	51	48	40	37	23.1	27.6	28.4	20.4	20.0	18.8
Richmond	49	90	67	71	79	87	16.0	27.1	32.2	48.8	36.4	38.4
Rochester	67	76	62	45	80	73	15.6	20.8	24.3	22.9	18.7	13.5
St. Louis	177	180	156	149	173	191	20.8	21.8	21.3	21.7	18.8	17.9
St. Paul	61	87	84	70	90	58	18.2	23.0	27.9	31.5	30.4	25.2
Salt Lake City	42	50	58	46	67	51	22.3	30.8	31.3	35.0	40.5	31.9
San Antonio	58	63	50	68	77	58	16.2	26.4	28.3	26.2	20.8	27.9
San Diego	57	66	68	70	63	78	30.3	41.6	51.5	42.2	43.5	43.7
San Francisco	137	126	132	145	115	126	19.4	22.4	20.9	19.4	20.3	22.1
Scranton	38	36	32	42	53	38	21.5	26.7	30.6	25.0	22.2	29.1
Seattle	85	116	80	105	147	115	15.6	23.8	22.6	31.2	21.5	28.1
Springfield, Mass	35	33	28	30	39	31	16.1	23.9	30.6	21.7	18.4	19.6
Syracuse	53	70	39	49	60	58	20.3	26.1	29.0	32.8	18.3	22.8
Toledo	96	120	109	89	113	99	20.1	33.9	36.7	40.4	36.7	29.8
Trenton	48	56	41	56	57	55	26.5	39.1	46.2	45.2	33.1	45.1
Tulsa	[3] 39	33	34	33	52	65	(6)	[3] 29.4	35.2	22.6	23.3	22.3
Washington, D. C	117	161	186	142	192	155	17.6	24.4	28.0	31.6	35.4	26.2
Worcester	40	37	31	51	47	48	17.8	20.8	27.1	18.8	15.7	25.8
Yonkers	22	24	17	27	17	14	14.3	17.1	14.0	17.3	12.2	19.2
Youngstown	63	69	41	52	55	77	25.7	40.8	37.5	39.9	23.7	29.9

[1] Including the District of Columbia. All States were in the registration area in 1933 and thereafter.
[2] Average, 1927–30.
[3] Average, 1928–30.
[4] Average, 1929 and 1930.
[5] 1930 only.
[6] Not in registration area.
[7] See note 7 regarding rates.
[8] Only cities of over 120,000 inhabitants, according to 1930 census, are shown separately. Population estimates on which to base rates for 1934 and 1935 are not available except for Washington, D. C. The rates for this city are: 1934, 34.3; 1935, 26.1.
[9] Average, 1923–25.
[10] Average, 1922–25.

Source: Bureau of the Census, Department of Commerce.