OCCUPATIONS, LABOR, AND WAGES.

No. 169.—POPULATION 10 YEARS OF AGE AND UPWARD ENGAGED IN GAINFUL OCCUPATIONS, CENSUS YEAR 1910: BY SEX AND SPECIFIED OCCUPATIONS.

[Source: Reports of the Bureau of the Census, Department of Commerce.]

Occupation.	Male.	Female.	Total.
Agriculture, forestry, and animal husbandry:			
Dairy farmers	59,240	2,576	61,816
Dairy farm laborers	32,237	2,777	35,014
Farmers [1]	5,607,297	257,706	5,865,003
Farm laborers—			
Farm laborers (home farm)	2,133,949	1,176,585	3,310,534
Farm laborers (working out)	2,299,444	337,522	2,636,966
Turpentine farm laborers	27,241	316	27,557
Total	4,460,634	1,514,423	5,975,057
Farm, dairy farm, garden, orchard, etc., foremen—			
Dairy farm foremen	1,001	85	1,086
Farm foremen [2]	34,915	7,505	42,420
Garden and greenhouse foremen	1,223	88	1,311
Orchard, nursery, etc., foremen	2,687	87	2,774
Total	39,826	7,765	47,591
Fishermen and oystermen	67,799	476	68,275
Foresters	4,332	.....	4,332
Gardeners, florists, fruit growers, and nurserymen—			
Florists	7,977	1,051	9,028
Fruit growers and nurserymen	44,186	2,355	46,541
Gardeners	75,481	4,413	79,894
Landscape gardeners	3,777	15	3,792
Total	131,421	7,834	139,255
Garden, greenhouse, orchard, and nursery laborers—			
Cranberry-bog laborers	1,316	68	1,384
Garden laborers	76,372	4,942	81,314
Greenhouse laborers	16,796	961	17,757
Orchard and nursery laborers	31,969	1,503	33,472
Total	126,453	7,474	133,927
Lumbermen, raftsmen, and woodchoppers—			
Foremen and overseers	4,798	.....	4,798
Lumbermen and raftsmen	113,999	37	114,036
Teamsters and haulers	15,038	.....	15,038
Woodchoppers and tie cutters	27,356	40	27,396
Total	161,191	77	161,268
Owners and managers of log and timber camps	7,927	4	7,931
Stock herders, drovers, and feeders	62,090	885	62,975
Stock raisers	50,847	1,674	52,521
Other agricultural and animal-husbandry pursuits—			
Apiarists	2,020	125	2,145
Corn shellers, hay balers, grain thrashers, etc	5,617	.....	5,617
Ditchers	15,198	.....	15,198
Poultry raisers and poultry-yard laborers	11,777	3,607	15,384
Other and not specified pursuits	5,796	98	5,894
Total	40,408	3,830	44,238
Total agriculture, forestry, and animal husbandry	10,851,702	1,807,501	12,659,203
Extraction of minerals:			
Foremen, overseers, and inspectors—			
Foremen and overseers	22,133	9	22,142
Inspectors	1,195	1	1,196
Total	23,328	10	23,338
Operators, officials, and managers—			
Managers	9,786	12	9,798
Officials	1,140	9	1,149
Operators	14,201	86	14,287
Total	25,127	107	25,234

[1] Includes turpentine farmers.

[2] Includes turpentine farm foremen.

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Extraction of minerals—Continued.			
Coal-mine operatives	613,519	405	613,924
Copper-mine operatives	39,251	19	39,270
Gold and silver mine operatives	55,397	39	55,436
Iron-mine operatives	49,564	39	49,603
Operatives in other and not specified mines—			
Lead and zinc mine operatives	19,471	15	19,486
All other mine operatives	27,698	68	27,766
Total	47,169	83	47,252
Quarry operatives	80,795	45	80,840
Oil, gas, and salt well operatives—			
Oil and gas well operatives	25,548	14	25,562
Salt well and works operatives	4,032	333	4,365
Total	29,580	347	29,927
Total extraction of minerals	963,730	1,094	964,824
Manufacturing and mechanical industries:			
Apprentices—			
Apprentices to building and hand trades	27,999	32	28,031
Dressmakers' and milliners' apprentices	31	11,980	12,011
Other apprentices	75,339	3,583	78,922
Total	103,369	15,595	118,964
Bakers	84,752	4,779	89,531
Blacksmiths, forgemen, and hammermen—			
Blacksmiths	232,957	31	232,988
Forgemen, hammermen, and welders	7,531	.....	7,531
Total	240,488	31	240,519
Boilermakers	44,761	.....	44,761
Brick and stone masons	169,387	15	169,402
Builders and building contractors	173,573	849	174,422
Butchers and dressers (slaughterhouse)	16,349	2	16,351
Cabinetmakers	41,884	8	41,892
Carpenters	817,082	38	817,120
Compositors, linotypers, and typesetters	113,538	14,051	127,589
Coopers	25,292	7	25,299
Dressmakers and seamstresses (not in factory)	1,582	447,760	449,342
Dyers	13,396	654	14,050
Electricians and electrical engineers	135,427	92	135,519
Electrotypers, stereotypers, and lithographers—			
Electrotypers and stereotypers	4,268	100	4,368
Lithographers	7,661	477	8,138
Total	11,929	577	12,506
Engineers (mechanical)	14,514	.....	14,514
Engineers (stationary)	231,031	10	231,041
Engravers	13,429	538	13,967
Filers, grinders, buffers, and polishers (metal)—			
Buffers and polishers	28,191	2,305	30,496
Filers	10,069	167	10,236
Grinders	8,419	374	8,793
Total	46,679	2,846	49,525
Firemen (except locomotive and fire department)	111,248	.....	111,248
Foremen and overseers (manufacturing)	155,358	19,740	175,098
Furnacemen, smeltermen, heaters, pourers, etc.—			
Furnacemen and smeltermen	19,719	16	19,735
Heaters	10,111	9	10,120
Ladlers and pourers	679	.....	679
Puddlers	5,717	.....	5,717
Total	36,226	25	36,251
Glassblowers	15,474	90	15,564

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries—Continued.			
Jewelers, watchmakers, goldsmiths, and silversmiths—			
Goldsmiths and silversmiths	5,553	204	5,757
Jewelers and lapidaries (factory)	8,783	1,848	10,631
Jewelers and watchmakers (not in factory)	15,701	485	16,186
Total	30,037	2,537	32,574
Laborers (not otherwise specified)—			
Building and hand trades—			
General and not specified laborers	853,679	15,799	869,478
Helpers in building and hand trades	65,352	79	65,431
Total	919,031	15,878	934,909
Chemical industries—			
Fertilizer factories	9,757	90	9,847
Paint factories	2,842	117	2,959
Powder, cartridge, fireworks, etc., factories	3,947	330	4,277
Other chemical factories	23,165	1,493	24,658
Total	39,711	2,030	41,741
Clay, glass, and stone industries—			
Brick, tile, and terra-cotta factories	77,333	621	77,954
Glass factories	23,686	948	24,634
Lime, cement, and gypsum factories	35,931	152	36,083
Marble and stone yards	6,847	68	6,915
Potteries	8,641	599	9,240
Total	152,438	2,388	154,826
Iron and steel industries—			
Automobile factories	15,644	139	15,783
Blast furnaces and rolling mills [1]	201,030	1,362	202,392
Car and railroad shops	48,114	228	48,342
Wagon and carriage factories	12,232	159	12,391
Other iron and steel works	199,781	4,252	204,033
Total	476,801	6,140	482,941
Other metal industries—			
Brass mills	10,606	279	10,885
Copper factories	11,532	54	11,586
Lead and zinc factories	7,871	74	7,945
Tinware and enamel-ware factories	6,709	878	7,587
Other metal factories	5,416	1,354	6,770
Total	42,134	2,639	44,773
Lumber and furniture industries—			
Furniture, piano, and organ factories	27,188	889	28,077
Saw and planing mills	258,361	1,781	260,142
Other woodworking factories	27,679	1,346	29,025
Total	313,228	4,016	317,244
Textile industries—			
Cotton mills	32,037	5,767	37,804
Silk mills	2,686	1,112	3,798
Woolen and worsted mills	10,245	2,045	12,290
Other textile mills	26,139	7,115	33,254
Total	71,107	16,039	87,146
Other industries—			
Charcoal and coke works	11,431	15	11,446
Cigar and tobacco factories	11,436	4,956	16,392
Clothing industries	5,424	4,816	10,240
Electric light and power plants	8,011	165	8,176
Electrical supply factories	10,053	1,381	11,434
Food industries—			
Bakeries	3,755	755	4,510
Butter and cheese factories	4,688	128	4,816
Fish curing and packing	4,637	233	4,870
Flour and grain mills	9,152	91	9,243
Fruit and vegetable canning, etc.	3,683	987	4,670
Slaughter and packing houses	32,471	1,432	33,903
Sugar factories and refineries	8,647	108	8,755
Other food factories	8,658	2,590	11,248

[1] Includes tin-plate mills.

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries—Continued.			
Laborers (not otherwise specified)—Continued.			
Other industries—Continued.			
Gas works	16,534	15	16,549
Liquor and beverage industries	18,294	563	18,857
Oil refineries	11,151	64	11,215
Paper and pulp mills	29,959	1,429	31,388
Printing and publishing	5,217	1,824	7,041
Rubber factories	12,224	1,322	13,546
Shoe factories	7,952	2,325	10,277
Tanneries	20,491	307	20,798
Turpentine distilleries	6,354	51	6,405
Other factories	136,675	13,672	150,347
Total	386,897	39,229	426,126
Total laborers (not otherwise specified)	2,401,347	88,359	2,489,706
Loom fixers	13,254	.....	13,254
Machinists, millwrights, and tool makers—			
Machinists and millwrights	478,713	73	478,786
Tool makers, and die setters and sinkers	9,243	20	9,263
Total	487,956	93	488,049
Managers and superintendents (manufacturing)	102,748	1,462	104,210
Manufacturers and officials—			
Manufacturers	230,809	4,298	235,107
Officials	21,083	401	21,484
Total	251,892	4,699	256,591
Mechanics (not otherwise specified)—			
Gunsmiths, locksmiths, and bell hangers	3,248	3	3,251
Wheelwrights	3,732	.....	3,732
Other mechanics	27,765	39	27,804
Total	34,745	42	34,787
Millers (grain, flour, feed, etc.)	23,093	59	23,152
Milliners and millinery dealers	5,459	122,447	127,906
Molders, founders, and casters (metal)—			
Brass molders, founders, and casters	6,509	3	6,512
Iron molders, founders, and casters	112,070	52	112,122
Other molders, founders, and casters	2,204	62	2,266
Total	120,783	117	120,900
Oilers of machinery	13,990	23	14,013
Painters, glaziers, varnishers, enamelers, etc.—			
Enamelers, lacquerers, and japanners	1,968	1,031	2,999
Painters, glaziers, and varnishers (building)	273,060	381	273,441
Painters, glaziers, and varnishers (factory)	59,786	1,129	60,915
Total	334,814	2,541	337,355
Paper hangers	24,780	797	25,577
Pattern and model makers	23,006	553	23,559
Plasterers	47,676	6	47,682
Plumbers and gas and steam fitters	148,304	.....	148,304
Pressmen (printing)	19,892	192	20,084
Rollers and roll hands (metal)	18,384	23	18,407
Roofers and slaters	14,078	.....	14,078
Sawyers	43,257	19	43,276
Semiskilled operatives (not otherwise specified)—			
Chemical industries—			
Paint factories	3,292	628	3,920
Powder, cartridge, fireworks, etc., factories	2,858	2,405	5,263
Other chemical factories	11,008	10,514	21,522
Total	17,158	13,547	30,705
Cigar and tobacco factories	79,947	71,572	151,519

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries—Continued.			
Semiskilled operatives (not otherwise specified)—Continued.			
Clay, glass, and stone industries—			
Brick, tile, and terra-cotta factories	12,649	758	13,407
Glass factories	37,927	3,950	41,877
Lime, cement, and gypsum factories	8,417	129	8,546
Marble and stone yards	8,389	150	8,539
Potteries	11,785	4,474	16,259
Total	79,167	9,461	88,628
Clothing industries—			
Hat factories (felt)	22,377	4,198	26,575
Suit, coat, cloak, and overall factories	44,878	9,333	54,211
Other clothing factories	28,460	35,361	63,821
Total	95,715	48,892	144,607
Food industries—			
Bakeries	3,008	5,930	8,938
Butter and cheese factories	11,065	533	11,598
Candy factories	13,608	17,335	30,943
Flour and grain mills	3,750	242	3,992
Fruit and vegetable canning, etc	2,127	3,163	5,290
Slaughter and packing houses	7,121	2,327	9,448
Other food factories	11,633	6,992	18,625
Total	52,312	36,522	88,834
Harness and saddle industries	21,958	692	22,650
Iron and steel industries—			
Automobile factories	20,222	680	20,902
Blast furnaces and rolling mills [1]	67,746	2,384	70,130
Car and railroad shops [2]	47,405	279	47,684
Wagon and carriage factories	21,236	942	22,178
Other iron and steel works	188,662	18,757	207,419
Total	345,271	23,042	368,313
Other metal industries—			
Brass mills	14,350	2,535	16,885
Clock and watch factories	9,252	6,376	15,628
Gold and silver and jewelry factories	10,474	6,177	16,651
Lead and zinc factories	1,601	263	1,864
Tinware and enamel-ware factories	6,674	3,937	10,611
Other metal factories	6,553	1,558	8,111
Total	48,904	20,846	69,750
Liquor and beverage industries—			
Breweries	21,250	580	21,830
Distilleries	2,648	796	3,444
Other liquor and beverage factories	5,766	463	6,229
Total	29,664	1,839	31,503
Lumber and furniture industries—			
Furniture, piano, and organ factories	58,304	4,508	62,812
Saw and planing mills [3]	63,684	2,376	66,060
Other woodworking factories	32,304	6,314	38,618
Total	154,292	13,198	167,490
Paper and pulp industries	25,803	10,580	36,383
Printing and publishing	32,808	34,661	67,469
Shoe factories	121,744	59,266	181,010
Tanneries	31,713	1,840	33,553
Textile industries—			
Beamers, warpers, and slashers—			
Cotton mills	4,855	2,838	7,693
Silk mills	1,408	3,220	4,628
Woolen and worsted mills	2,059	511	2,570
Other textile mills	1,290	512	1,802
Total	9,612	7,081	16,693

[1] Includes tin-plate mills.
[2] Includes car repairers for street and steam railroads.
[3] Includes wooden-box factories.

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries—Continued.			
Semiskilled operatives (not otherwise specified)—Continued.			
Textile industries—Continued.			
Bobbin boys, doffers, and carriers—			
Cotton mills	14,398	2,400	16,798
Silk mills	320	297	617
Woolen and worsted mills	1,824	1,075	2,899
Other textile mills	1,080	1,120	2,200
Total	17,622	4,892	22,514
Carders, combers, and lappers—			
Cotton mills	11,729	4,210	15,939
Silk mills	60	83	143
Woolen and worsted mills	4,447	911	5,358
Other textile mills	1,814	702	2,516
Total	18,050	5,906	23,956
Drawers, rovers, and twisters—			
Cotton mills	9,535	9,937	19,472
Silk mills	1,472	2,353	3,825
Woolen and worsted mills	866	3,599	4,465
Other textile mills	607	1,626	2,233
Total	12,480	17,515	29,995
Spinners—			
Cotton mills	15,874	32,151	48,025
Silk mills	1,046	2,397	3,443
Woolen and worsted mills	6,997	6,390	13,387
Other textile mills	3,866	5,338	9,204
Total	27,783	46,276	74,059
Weavers—			
Cotton mills	48,929	43,911	92,840
Silk mills	18,435	17,736	36,171
Woolen and worsted mills	17,197	14,660	31,857
Other textile mills	19,723	23,127	42,850
Total	104,284	99,434	203,718
Winders, reelers, and spoolers—			
Cotton mills	3,226	24,283	27,509
Silk mills	1,222	14,904	16,126
Woolen and worsted mills	932	6,611	7,543
Other textile mills	1,890	11,265	13,155
Total	7,270	57,063	64,333
Other occupations—			
Cotton mills	30,625	19,724	50,349
Silk mills	4,995	8,825	13,820
Woolen and worsted mills	18,601	12,290	30,891
Other textile mills	46,899	73,033	119,932
Total	101,120	113,872	214,992
Other industries—			
Electrical supply factories	13,636	11,041	24,677
Paper-box factories	4,859	13,028	17,887
Rubber factories	20,814	9,469	30,283
Other factories	152,616	83,398	236,014
Total	191,925	116,936	308,861
Total semiskilled operatives (not otherwise specified)	1,626,602	814,933	2,441,535
Sewers and sewing-machine operators (factory)[1]	60,003	231,206	291,209
Shoemakers and cobblers (not in factory)	68,788	782	69,570
Skilled occupations (not otherwise specified)—			
Annealers and temperers (metal)	1,894	7	1,901
Piano and organ tuners	6,528	105	6,633
Wood carvers	5,308	60	5,368
Other skilled occupations	2,830	76	2,906
Total	16,560	248	16,808

[1] Exclusive of sewers and sewing-machine operators in shoe and harness factories and sack sewers in cement, sugar, and grain mills.

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries—Continued.			
Stonecutters	35,726	5	35,731
Structural-iron workers (building)	11,427	.....	11,427
Tailors and tailoresses	163,795	40,813	204,608
Tinsmiths and coppersmiths—			
Coppersmiths	3,410	.....	3,410
Tinsmiths	56,399	24	56,423
Total	59,809	24	59,833
Upholsterers	18,928	1,293	20,221
Total manufacturing and mechanical industries	8,837,901	1,820,980	10,658,881
Transportation:			
Water transportation (selected occupations)—			
Boatmen, canalmen, and lock keepers	5,289	15	5,304
Captains, masters, mates, and pilots	24,242	.....	24,242
Longshoremen and stevedores	62,813	44	62,857
Sailors and deck hands	46,498	12	46,510
Total	138,842	71	138,913
Road and street transportation (selected occupations)—			
Carriage and hack drivers	35,339	37	35,376
Chauffeurs	45,752	33	45,785
Draymen, teamsters, and expressmen [1]	408,396	73	408,469
Foremen of livery and transfer companies	6,606	.....	6,606
Garage keepers and managers	5,256	23	5,279
Hostlers and stable hands	63,382	6	63,388
Livery-stable keepers and managers	34,612	183	34,795
Proprietors and managers of transfer companies	15,368	230	15,598
Total	614,711	585	615,296
Railroad transportation (selected occupations)—			
Baggagemen and freight agents—			
Baggagemen	12,273	.....	12,273
Freight agents	4,755	5	4,760
Total	17,028	5	17,033
Boiler washers and engine hostlers	10,409	.....	10,409
Brakemen	92,572	.....	92,572
Conductors (steam railroad)	65,604	.....	65,604
Conductors (street railroad)	56,932	.....	56,932
Foremen and overseers	69,693	240	69,933
Laborers—			
Steam railroad	539,920	3,248	543,168
Street railroad	27,602	205	27,807
Total	567,522	3,453	570,975
Locomotive engineers	96,229	.....	96,229
Locomotive firemen	76,381	.....	76,381
Motormen	59,005	.....	59,005
Officials and superintendents—			
Steam railroad	19,803	2	19,805
Street railroad	2,433	.....	2,433
Total	22,236	2	22,238
Switchmen, flagmen, and yardmen—			
Switchmen and flagmen (steam railroad)	73,367	52	73,419
Switchmen and flagmen (street railroad)	2,153	.....	2,153
Yardmen (steam railroad)	9,575	.....	9,575
Total	85,095	52	85,147
Ticket and station agents	22,930	1,208	24,138
Total, railroad transportation (selected occupations)	1,241,636	4,960	1,246,596

[1] Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; and drivers for bakeries and laundries are classified with deliverymen in trade.

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Transportation—Continued.			
Express, post, telegraph, and telephone (selected occupations)—			
Agents (express companies)	5,804	71	5,875
Express messengers and railway mail clerks—			
Express messengers	6,778	3	6,781
Railway mail clerks	15,240	.....	15,240
Total	22,018	3	22,021
Mail carriers	79,667	1,011	80,678
Telegraph and telephone linemen	28,347	3	28,350
Telegraph messengers	9,074	78	9,152
Telegraph operators	61,734	8,219	69,953
Telephone operators	9,631	88,262	97,893
Total express, post, telegraph, and telephone (selected occupations)	216,275	97,647	313,922
Other transportation pursuits—			
Foremen and overseers (not otherwise specified)—			
Road and street building and repairing	7,064	.....	7,064
Telegraph and telephone companies	3,439	404	3,843
Water transportation	3,016	.....	3,016
Other transportation	814	1	815
Total	14,333	405	14,738
Inspectors—			
Steam railroad	27,525	136	27,661
Street railroad	2,265	3	2,268
Other transportation	3,172	136	3,308
Total	32,962	275	33,237
Laborers (not otherwise specified)—			
Road and street building and repairing	180,468	.....	180,468
Street cleaning	9,946	.....	9,946
Other transportation	30,762	261	31,023
Total	221,176	261	221,437
Proprietors, officials, and managers (not otherwise specified)—			
Telegraph and telephone companies	8,680	1,409	10,089
Other transportation	4,731	19	4,750
Total	13,411	1,428	14,839
Other occupations (semiskilled)—			
Steam railroad	24,105	270	24,375
Street railroad	5,147	40	5,187
Other transportation	8,477	654	9,131
Total	37,729	964	38,693
Total transportation	2,531,075	106,596	2,637,671
Trade:			
Bankers, brokers, and money lenders—			
Bankers and bank officials	54,387	1,672	56,059
Commercial brokers and commission men	23,690	319	24,009
Loan brokers and loan company officials	1,989	122	2,111
Pawnbrokers	1,191	41	1,232
Stock brokers	13,522	207	13,729
Brokers not specified and promotors	8,391	273	8,664
Total	103,170	2,634	105,804
Clerks in stores[1]	275,589	111,594	387,183
Commercial travelers	161,027	2,593	163,620
Decorators, drapers, and window dressers	4,902	439	5,341
Deliverymen—			
Bakeries and laundries	24,012	18	24,030
Stores	205,457	132	205,589
Total	229,469	150	229,619

[1] Many of the "clerks" in stores evidently are "salesmen and saleswomen."

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Trade—Continued.			
Floorwalkers, foremen, and overseers—			
Floorwalkers and foremen in stores	14,900	3,046	17,946
Foremen warehouses, stockyards, etc	2,749	29	2,778
Total	17,649	3,075	20,724
Inspectors, gaugers, and samplers	11,685	1,761	13,446
Insurance agents and officials—			
Insurance agents	85,926	2,537	88,463
Officials of insurance companies	9,376	125	9,501
Total	95,302	2,662	97,964
Laborers in coal and lumber yards, warehouses, etc.—			
Coal yards	16,655	8	16,663
Elevators	6,335	11	6,346
Lumber yards	43,389	9	43,398
Stock yards	5,991	7	5,998
Warehouses	8,080	638	8,718
Total	80,450	673	81,123
Laborers, porters, and helpers in stores	98,169	4,164	102,333
Newsboys	29,435	273	29,708
Proprietors, officials, and managers (not otherwise specified)—			
Employment office keepers	1,540	720	2,260
Proprietors, etc., elevators	5,105	13	5,118
Proprietors, etc., warehouses	4,368	25	4,393
Other proprietors, officials, and managers	10,339	252	10,591
Total	21,352	1,010	22,362
Real estate agents and officials	122,935	2,927	125,862
Retail dealers	1,127,926	67,103	1,195,029
Salesmen and saleswomen—			
Auctioneers	3,985	5	3,990
Demonstrators	1,250	3,130	4,380
Sales agents	31,424	4,098	35,522
Salesmen and saleswomen (stores)[1]	626,751	250,487	877,238
Total	663,410	257,720	921,130
Undertakers	19,921	813	20,734
Wholesale dealers, importers, and exporters	50,123	925	51,048
Other pursuits (semiskilled)—			
Fruit graders and packers	2,677	2,038	4,715
Meat cutters	15,378	27	15,405
Other occupations	16,013	5,507	21,520
Total	34,068	7,572	41,640
Total trade	3,146,582	468,088	3,614,670
Public service (not elsewhere classified):			
Firemen (fire department)	35,606	.....	35,606
Guards, watchmen, and doorkeepers	78,168	103	78,271
Laborers (public service)—			
Garbage men and scavengers	4,227	.....	4,227
Other laborers	62,278	729	63,007
Total	66,505	729	67,234
Marshals, sheriffs, detectives, etc.—			
Detectives	6,162	187	6,349
Marshals and constables	9,071	2	9,073
Probation and truant officers	855	188	1,043
Sheriffs	7,131	3	7,134
Total	23,219	380	23,599
Officials and inspectors (city and county)—			
Officials and inspectors (city)	32,199	1,011	33,210
Officials and inspectors (county)	17,469	1,575	19,044
Total	49,668	2,586	52,254

[1] Many of the "salesmen and saleswomen" in stores evidently are "clerks."

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Public service (not elsewhere classified)—Continued.			
Officials and inspectors (State and United States)—			
Officials and inspectors (State)	6,662	540	7,202
Officials and inspectors (United States)	36,727	8,997	45,724
Total	43,389	9,537	52,926
Policemen	61,980	.....	61,980
Soldiers, sailors, and marines	77,153	.....	77,153
Other pursuits—			
Life savers	2,158	.....	2,158
Lighthouse keepers	1,552	41	1,593
Other occupations	6,335	182	6,517
Total	10,045	223	10,268
Total public service (not elsewhere classified)	445,733	13,558	459,291
Professional service:			
Actors	16,305	11,992	28,297
Architects	16,311	302	16,613
Artists, sculptors, and teachers of art	18,675	15,429	34,104
Authors, editors, and reporters—			
Authors	2,310	2,058	4,368
Editors and reporters	30,201	4,181	34,382
Total	32,511	6,239	38,750
Chemists, assayers, and metallurgists	15,694	579	16,273
Civil and mining engineers and surveyors—			
Civil engineers and surveyors	52,028	5	52,033
Mining engineers	6,930	.....	6,930
Total	58,958	5	58,963
Clergymen	117,333	685	118,018
College presidents and professors	12,710	2,958	15,668
Dentists	38,743	1,254	39,997
Designers, draftsmen, and inventors—			
Designers	9,211	2,577	11,788
Draftsmen	32,923	391	33,314
Inventors	2,303	44	2,347
Total	44,437	3,012	47,449
Lawyers, judges, and justices	114,146	558	114,704
Musicians and teachers of music	54,832	84,478	139,310
Photographers	26,811	4,964	31,775
Physicians and surgeons	142,117	9,015	151,132
Showmen	18,988	1,108	20,096
Teachers—			
Teachers (athletics, dancing, etc.)	2,768	1,163	3,931
Teachers (school)	118,442	476,864	595,306
Total	121,210	478,027	599,237
Trained nurses	5,819	76,508	82,327
Veterinary surgeons	11,652	.....	11,652
Other professional pursuits	7,585	8,092	15,677
Semiprofessional pursuits—			
Abstractors, notaries, and justices of the peace	6,660	785	7,445
Fortune tellers, hypnotists, spiritualists, etc	380	1,220	1,600
Healers (except physicians and surgeons)	2,162	4,672	6,834
Keepers of charitable and penal institutions	5,246	2,245	7,491
Officials of lodges, societies, etc	6,245	1,970	8,215
Religious and charity workers	7,081	8,889	15,970
Theatrical owners, managers, and officials	11,027	295	11,322
Other occupations	5,731	318	6,049
Total	44,532	20,394	64,926
Attendants and helpers (professional service)	10,315	8,286	18,601
Total professional service	929,684	733,885	1,663,569
Domestic and personal service:			
Barbers, hairdressers, and manicurists	172,977	22,298	195,275
Bartenders	100,984	250	101,234

No. 169.—Population 10 Years of Age and Upward Engaged in Gainful Occupations, Census Year 1910: By Sex and Specified Occupations—Con.

Occupation.	Male.	Female.	Total.
Domestic and personal service—Continued.			
Billiard room, dance hall, skating rink, etc., keepers—			
Billiard and pool room keepers	13,700	159	13,859
Dance hall, skating rink, etc., keepers	2,243	659	2,902
Total	15,943	818	16,761
Boarding and lodging house keepers	23,052	142,400	165,452
Bootblacks	14,000	20	14,020
Charwomen and cleaners	7,195	26,839	34,034
Elevator tenders	25,010	25	25,035
Hotel keepers and managers	50,269	14,235	64,504
Housekeepers and stewards	15,940	173,333	189,273
Janitors and sextons	91,629	21,452	113,081
Laborers (domestic and professional service)	50,265	3,215	53,480
Launderers and laundresses (not in laundry)	13,693	520,004	533,697
Laundry operatives [1]	35,899	75,980	111,879
Laundry owners, officials, and managers [1]	17,057	986	18,043
Midwives and nurses (not trained)—			
Midwives	.....	6,205	6,205
Nurses (not trained)	15,926	110,912	126,838
Total	15,926	117,117	133,043
Porters (except in stores)	84,055	73	84,128
Restaurant, café, and lunch-room keepers	50,316	10,516	60,832
Saloon keepers	66,724	1,491	68,215
Servants—			
Bell boys, chore boys, etc	17,667	662	18,329
Chambermaids	187	39,602	39,789
Coachmen and footmen	25,667	.....	25,667
Cooks	117,004	333,436	450,440
Other servants	102,151	935,849	1,038,000
Total	262,676	1,309,549	1,572,225
Waiters	102,495	85,798	188,293
Other pursuits—			
Bathhouse keepers and attendants	3,125	1,470	4,595
Cemetery keepers	4,811	31	4,842
Cleaners and renovators (clothing, etc.)	12,215	2,645	14,860
Umbrella menders and scissors grinders	1,016	37	1,053
Other occupations	4,056	264	4,320
Total	25,223	4,447	29,670
Total domestic and personal service	1,241,328	2,530,846	3,772,174
Clerical occupations:			
Agents, canvassers, and collectors—			
Agents	48,495	2,290	50,785
Canvassers	13,980	4,615	18,595
Collectors	33,850	1,897	35,747
Total	96,325	8,802	105,127
Bookkeepers, cashiers, and accountants	299,545	187,155	486,700
Clerks (except clerks in stores)—			
Shipping clerks	78,192	2,161	80,353
Other clerks	519,641	120,504	640,145
Total	597,833	122,665	720,498
Messenger, bundle, and office boys [2]—			
Bundle and cash boys and girls	4,274	6,592	10,866
Messenger, errand, and office boys	92,474	4,695	97,169
Total	96,748	11,287	108,035
Stenographers and typewriters	53,378	263,315	316,693
Total clerical occupations	1,143,829	593,224	1,737,053
Grand total gainfully occupied	30,091,564	8,075,772	38,167,336
Total population 10 years of age and over (1910)	37,027,558	34,552,712	71,580,270

[1] Some owners of hand laundries are included with "laundry operatives."
[2] Except telegraph and telephone messengers.

No. 170.—POPULATION 10 YEARS OF AGE AND UPWARD ENGAGED IN GAINFUL OCCUPATIONS, CENSUS YEARS 1900 AND 1910: BY SEX, BY STATES, AND BY GEOGRAPHIC DIVISIONS.

[Source: Reports of the Bureau of the Census, Department of Commerce.]

State.	1900			1910		
	Male.	Female.	Total.	Male.	Female.	Total.
Alabama	563,179	200,009	763,188	683,194	314,330	997,524
Arizona	46,534	6,786	53,370	77,236	10,589	87,825
Arkansas	407,942	77,853	485,795	510,410	161,993	672,403
California	556,345	87,922	644,267	932,752	174,916	1,107,668
Colorado	190,297	27,966	218,263	285,083	53,641	338,724
Connecticut	296,971	88,639	385,610	370,481	119,981	490,462
Delaware	60,024	12,972	72,996	68,317	17,546	85,863
District of Columbia	85,780	41,161	126,941	105,044	52,921	157,965
Florida	163,989	37,581	201,570	248,926	73,161	322,087
Georgia	645,932	218,539	864,471	807,185	352,941	1,160,126
Idaho	58,167	4,516	62,683	118,050	13,038	131,088
Illinois	1,509,394	294,646	1,804,040	1,865,422	431,356	2,296,778
Indiana	782,237	116,716	898,953	880,979	155,731	1,036,710
Iowa	682,521	106,883	789,404	694,799	131,514	826,313
Kansas	452,169	55,571	507,740	540,639	80,694	621,333
Kentucky	646,909	105,622	752,531	719,369	147,611	866,980
Louisiana	405,182	130,911	536,093	501,574	177,609	679,183
Maine	224,847	51,930	276,777	242,175	63,282	305,457
Maryland	359,755	98,983	458,738	410,884	130,280	541,164
Massachusetts	879,374	329,033	1,208,407	1,086,767	444,301	1,531,068
Michigan	772,299	133,691	905,990	926,815	186,183	1,112,998
Minnesota	548,946	96,928	645,874	689,847	145,605	835,452
Mississippi	466,766	178,357	645,123	574,279	305,366	879,645
Missouri	966,866	154,526	1,121,392	1,076,772	211,564	1,288,336
Montana	104,990	9,809	114,799	159,896	18,851	178,747
Nebraska	327,354	46,616	373,970	377,811	63,303	441,114
Nevada	17,809	2,000	19,809	40,535	4,375	44,910
New Hampshire	136,961	41,758	178,719	143,363	48,340	191,703
New Jersey	603,237	154,522	757,759	834,795	239,565	1,074,360
New Mexico	59,710	6,310	66,020	106,418	15,079	121,497
New York	2,324,429	672,045	2,996,474	3,020,158	983,686	4,003,844
North Carolina	556,581	160,161	716,742	674,849	272,990	947,839
North Dakota	103,548	14,092	117,640	188,372	29,046	217,418
Ohio	1,299,881	246,071	1,545,952	1,572,343	346,712	1,919,055
Oklahoma	243,932	22,473	266,405	520,376	78,253	598,629
Oregon	151,200	18,437	169,637	264,691	40,473	305,164
Pennsylvania	2,017,052	431,537	2,448,589	2,525,245	605,436	3,130,681
Rhode Island	139,829	52,094	191,923	180,962	70,939	251,901
South Carolina	389,645	181,350	570,995	460,794	267,833	728,627
South Dakota	121,512	15,644	137,156	190,363	28,714	219,077
Tennessee	611,383	116,204	727,587	682,248	173,298	855,546
Texas	892,641	140,392	1,033,033	1,228,422	328,444	1,556,866
Utah	73,840	10,764	84,604	113,113	18,427	131,540
Vermont	112,181	22,752	134,933	115,781	28,308	144,089
Virginia	536,883	125,532	662,415	626,868	168,700	795,568
Washington	204,606	20,781	225,387	455,375	66,126	521,501
West Virginia	294,502	31,161	325,663	394,390	54,100	448,490
Wisconsin	616,391	116,147	732,538	729,804	162,608	892,412
Wyoming	41,264	3,004	44,268	67,593	6,013	73,606
Total	23,753,836	5,319,397	29,073,233	30,091,564	8,075,772	38,167,336
Geographic divisions.[1]						
New England	1,790,163	586,206	2,376,369	2,139,529	775,151	2,914,680
Middle Atlantic	4,944,718	1,258,104	6,202,822	6,380,198	1,828,687	8,208,885
East North Central	4,980,202	907,271	5,887,473	5,975,363	1,282,590	7,257,953
West North Central	3,202,916	490,260	3,693,176	3,758,603	690,440	4,449,043
South Atlantic	3,093,091	907,440	4,000,531	3,797,257	1,390,472	5,187,729
East South Central	2,288,237	600,192	2,888,429	2,659,090	940,605	3,599,695
West South Central	1,949,697	371,629	2,321,326	2,760,782	746,299	3,507,081
Mountain	592,661	71,155	663,816	967,924	140,013	1,107,937
Pacific	912,151	127,140	1,039,291	1,652,818	281,515	1,934,333

[1] For States included in each division, see note 5, p. 36.

No. 171.—STRIKES IN COAL MINES: NUMBER OF MEN ON STRIKE, TOTAL DAYS LOST, AND AVERAGE DAYS LOST PER MAN, CALENDAR YEARS 1915 AND 1916, BY STATES.

[Source: Reports of the Geological Survey, Department of the Interior.]

State.	1915			1916		
	Men on strike.	Days lost.	Average days lost per man.	Men on strike.	Days lost.	Average days lost per man.
Alabama	175	1,290	7	300	920	3
Arkansas	925	20,304	22	1,009	30,847	31
Colorado	90	13,500	150	33	82	2
Illinois	5,251	276,458	53	5,043	55,416	11
Indiana	1,472	21,361	15	8,154	154,974	19
Iowa	1,067	5,229	5	2,244	32,587	15
Kansas	1,716	17,425	10	6,306	152,838	24
Kentucky	1,045	16,455	16	4,830	269,859	56
Maryland	.....	.....	.....	181	6,546	36
Michigan	.....	.....	.....	1,416	18,189	13
Missouri	939	4,597	5	2,331	14,837	6
Montana	183	1,084	6	396	1,530	4
Ohio	15,048	1,722,013	114	26	78	3
Oklahoma	1,013	4,485	4	7,594	156,689	21
Oregon	.....	.....	.....	6,240	126,452	20
Pennsylvania	5,583	78,446	14	36,276	1,200,479	33
Texas	230	760	3	350	3,784	11
Utah	.....	.....	.....	2,218	62,905	28
Virginia	7	7	1	181	543	3
Washington	.....	.....	.....	1,203	13,304	11
West Virginia	1,902	66,698	35	4,540	86,352	19
Wyoming	219	2,628	12	276	308	1
Total bituminous	36,865	2,252,740	61	91,152	2,389,519	26
Pennsylvania anthracite	30,325	214,601	7	79,481	955,067	12

No. 172.—SUMMARY OF STRIKES IN COAL MINES: NUMBER OF MEN ON STRIKE, DAYS LOST, AND AVERAGE DAYS LOST PER MAN, CALENDAR YEARS 1905 TO 1916.

[Source: Reports of the Geological Survey, Department of the Interior.]

Year.	Men on strike.	Working days lost.	Average days lost per man.	Year.	Men on strike.	Working days lost.	Average days lost per man.
1905	37,542	796,735	21.0	1911	41,413	983,737	24.0
1906	372,343	19,201,348	51.5	1912	311,056	12,527,305	40.0
1907[1]	32,540	462,302	14.0	1913	135,395	3,049,412	22.5
1908[1]	145,145	5,449,938	38.0	1914	161,720	11,013,667	68.0
1909[1]	24,763	723,634	29.0	1915	67,190	2,467,431	37.0
1910	218,493	19,250,524	88.0	1916	170,633	3,344,586	19.5

[1]Bituminous mines only.

No. 173.—COAL MINES, ANTHRACITE AND BITUMINOUS: NUMBER OF MEN EMPLOYED, NUMBER OF DAYS WORKED, AND AVERAGE TONNAGE MINED PER MAN PER DAY AND PER CALENDAR YEAR, 1907, 1908, AND 1910 TO 1916.

[Source: Reports of the Geological Survey, Department of the Interior.]

Year.	Anthracite.				Bituminous.			
	Men employed.	Days worked.	Average tonnage per man per day.	Average tonnage per man per year.	Men employed.	Days worked.	Average tonnage per man per day.	Average tonnage per man per year.
1907	167,234	220	2.33	512	513,258	234	3.29	769
1908	174,174	200	2.39	478	516,264	193	3.34	644
1910	169,497	229	2.17	498	555,533	217	3.46	751
1911	172,585	246	2.13	524	549,750	211	3.50	738
1912	174,030	231	2.10	485	548,632	223	3.68	820
1913	175,745	257	2.02	520	571,899	232	3.61	837
1914	179,679	245	2.06	505	583,506	195	3.71	724
1915	176,552	230	2.19	504	557,456	203	3.91	794
1916	159,869	253	2.17	548	561,102	230	3.89	896

No. 174.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1914, BY MONTHS AND BY INDUSTRIES.

[Source: Reports of the Bureau of the Census, Department of Commerce. The maximum month of employment for each industry is shown by black figures and the minimum month by italic figures.]

Industry.	Average number employed during year.	Wage earners employed on the 15th day of each month or nearest representative day.												Per cent minimum forms of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Aeroplanes and parts	168	162	157	152	147	151	*144*	154	154	180	194	211	210	68.2
Agricultural implements	48,459	61,746	**61,900**	58,143	54,395	49,904	46,990	45,169	37,340	*35,208*	39,536	44,219	47,048	56.9
Aluminum ware	4,614	*4,027*	4,205	4,579	4,597	4,532	4,590	4,471	4,699	4,782	4,911	**5,018**	4,867	80.3
Ammunition	11,493	10,826	10,768	10,934	10,886	10,814	10,936	10,820	*10,002*	11,366	12,565	13,422	**14,577**	68.6
Artificial flowers	4,808	*4,572*	4,807	5,137	5,162	4,331	*3,840*	3,902	4,486	5,247	5,382	**5,418**	5,412	70.9
Artificial limbs	488	**494**	492	493	489	492	484	489	480	485	491	488	*479*	97.0
Artificial stone products	10,255	*6,186*	6,311	7,843	11,372	12,840	**13,201**	13,118	12,779	12,360	10,951	8,942	7,157	46.9
Artists' materials	604	619	605	603	610	538	579	*576*	589	617	**641**	612	609	89.9
Asbestos products, not including steam packing	962	986	1,008	1,024	971	922	*883*	**1,030**	960	916	933	989	922	88.9
Automobile bodies and parts	47,785	47,280	47,702	50,941	**52,683**	51,511	48,612	46,811	46,243	46,550	47,270	*43,829*	43,988	83.2
Automobiles	79,307	79,694	83,440	84,832	**85,271**	81,130	74,094	*72,737*	79,449	80,975	80,839	74,161	75,062	85.3
Automobile repairing	12,562	*11,455*	11,627	12,091	12,663	12,964	13,121	**13,200**	13,195	13,084	12,764	12,435	12,145	86.8
Awnings, tents, and sails	5,073	*3,953*	4,103	4,718	5,802	6,811	**7,072**	6,263	5,178	4,601	4,359	4,021	3,995	55.9
Babbitt metal and solder	1,035	995	986	1,072	1,078	1,090	**1,129**	1,066	1,050	1,029	986	*968*	971	85.7
Bags, other than paper	9,358	8,968	9,023	9,394	9,399	9,308	9,578	**9,951**	9,826	9,818	9,420	*8,747*	8,864	87.9
Bags, paper, not including bags made in paper mills	3,505	3,443	3,457	3,470	3,432	3,420	*3,342*	3,374	3,489	3,701	**3,796**	3,666	3,470	88.0
Baking powders and yeast	2,270	2,267	2,281	2,323	2,302	**2,389**	2,382	2,220	2,194	2,278	2,286	*2,159*	*2,159*	90.4
Baskets, and rattan and willow ware	4,574	3,921	4,099	4,338	4,765	4,885	5,032	5,300	**5,329**	5,022	4,433	3,938	*3,826*	71.8
Bells	445	**478**	465	467	473	467	443	428	426	421	*419*	*419*	434	87.7
Belting and hose, rubber	5,115	5,103	5,044	5,068	5,137	5,171	**5,274**	5,243	5,041	5,166	5,183	5,040	*4,910*	93.1
Belting and hose, woven	952	981	**1,011**	996	1,000	951	952	949	938	945	915	901	*885*	87.5
Belting, leather	2,951	**3,004**	**3,004**	2,988	2,940	2,913	*2,879*	2,894	2,914	2,954	2,958	2,975	2,939	95.8
Billiard tables and materials	1,453	**1,561**	1,559	1,527	1,497	1,490	1,443	*1,265*	1,355	1,427	1,439	1,420	1,453	81.0
Blacking, stains, and dressings	1,766	1,682	1,835	1,933	2,030	**2,039**	1,825	1,774	1,677	1,614	1,630	1,604	*1,549*	76.0
Bluing	254	238	242	250	246	250	256	267	261	**272**	270	259	*257*	87.1
Bone, carbon, and lampblack	339	306	304	*300*	306	306	309	350	369	388	**390**	387	353	76.9
Bookbinding and blank-book making	21,693	22,166	22,311	**22,536**	22,099	21,706	21,781	21,853	21,272	21,376	21,191	*20,878*	21,147	92.6
Boot and shoe cut stock, exclusive of that produced in boot and shoe factories	7,819	8,392	8,434	8,409	8,095	7,670	7,581	7,505	7,710	7,699	7,651	*7,125*	7,557	84.5
Boot and shoe findings, exclusive of that produced in boot and shoe factories	6,714	**7,617**	7,476	7,169	6,825	6,631	6,309	6,272	6,429	*6,252*	6,336	6,496	6,736	82.1
Boots and shoes	191,555	200,739	**203,135**	198,772	189,856	188,324	191,110	193,354	191,036	186,740	183,653	*183,212*	188,119	90.2
Boots and shoes, rubber	18,687	18,286	18,325	18,613	18,513	18,776	18,752	17,491	*16,756*	18,617	19,377	20,340	**20,398**	82.1

Boxes, cigar	5,835	5,892	5,801	5,833	5,748	5,765	*5,747*	5,765	5,843	**6,000**	5,987	5,948	5,761	95.8
Boxes, fancy and paper	45,311	46,512	46,213	**46,583**	45,906	45,311	44,619	*43,824*	43,857	45,227	46,126	45,283	44,181	94.2
Boxes, wooden packing	38,548	38,056	38,411	39,850	40,317	40,302	**40,320**	39,581	38,597	38,517	37,147	35,984	*35,494*	88.0
Brass, bronze, and copper products	40,306	39,531	40,402	41,714	**41,971**	41,706	40,873	40,407	39,685	39,920	39,315	*38,789*	39,359	92.4
Bread and other bakery products	124,052	*118,545*	119,908	121,564	122,561	123,348	125,121	125,983	125,881	126,130	**126,772**	126,731	126,080	93.5
Brick and tile, terra-cotta, and fire-clay products	100,182	77,966	*76,458*	83,720	101,780	117,738	**123,877**	123,554	121,503	113,269	99,643	85,952	76,724	61.7
Brooms	5,642	5,767	5,766	5,799	5,678	5,568	5,450	*5,372*	5,458	5,570	5,687	5,780	**5,809**	92.6
Brushes	7,213	**7,446**	7,441	7,440	7,339	7,222	7,102	7,114	7,043	7,082	7,298	7,066	*6,963*	93.5
Butter	14,149	12,734	*12,646*	12,825	13,760	14,921	**15,782**	15,698	15,438	14,720	14,119	13,714	13,431	80.1
Butter, reworking	304	263	262	*261*	290	293	312	337	309	307	299	350	**365**	71.5
Buttons	14,511	16,451	**16,832**	16,689	15,874	14,733	13,960	12,482	*12,424*	13,181	13,790	13,801	13,915	73.8
Candles	387	**422**	412	410	403	379	367	358	*337*	374	399	404	379	79.9
Canning and preserving, fish	9,069	*4,033*	4,884	5,137	7,233	8,309	8,942	11,511	**14,629**	14,439	14,032	10,097	5,582	27.6
Canning and preserving, fruits and vegetables	50,325	10,811	*10,345*	11,112	13,572	18,657	37,979	65,094	113,440	**150,735**	107,809	43,143	21,203	6.9
Canning and preserving, oysters	2,087	2,797	2,973	3,344	3,216	1,313	307	*266*	592	1,414	2,289	**3,406**	3,127	7.8
Cardboard, not made in paper mills	1,159	1,116	1,120	1,164	1,157	*1,092*	1,167	1,169	1,178	**1,215**	1,210	1,207	1,113	89.9
Card cutting and designing	517	*436*	450	497	477	478	466	483	486	552	583	643	**653**	66.8
Carpets and rugs, other than rag	31,309	33,021	33,166	**33,175**	32,941	32,902	31,472	29,262	29,362	30,292	30,843	*29,240*	30,032	88.1
Carpets, rag	2,130	*1,943*	1,994	2,072	2,271	**2,359**	2,336	2,169	2,127	2,118	2,108	2,071	1,992	82.4
Carriage and wagon materials	11,087	11,985	12,274	**12,445**	12,370	11,967	11,392	11,049	10,588	10,127	9,728	*9,534*	9,585	76.6
Carriages and sleds, children's	5,900	6,198	**6,211**	6,150	6,056	5,892	5,637	5,562	*5,422*	5,757	5,970	6,052	5,893	87.3
Carriages and wagons	41,304	40,609	42,998	44,284	**44,946**	44,419	44,067	42,893	42,283	40,075	37,629	*35,480*	35,965	78.9
Cars and general shop construction and repairs by electric railroad companies	26,384	26,267	26,709	26,869	26,880	26,919	26,745	**26,970**	26,694	26,336	25,945	25,139	*25,135*	93.2
Cars and general shop construction and repairs by steam railroad companies	339,518	343,590	340,925	340,933	333,423	332,026	332,735	343,576	345,275	**347,031**	345,195	338,300	*331,207*	95.4
Cars, electric railroad, not including operations of railroad companies	3,840	**4,754**	4,182	3,889	3,914	3,748	3,893	4,047	4,069	3,857	3,686	3,158	*2,883*	60.6
Cars, steam railroad, not including operations of railroad companies	54,288	**63,678**	56,077	55,359	51,080	50,532	53,214	56,893	58,529	56,184	54,707	50,050	*45,153*	70.9
Cash registers and calculating machines	8,956	10,187	**10,220**	10,138	10,180	9,876	9,621	9,341	8,817	7,812	7,137	7,123	*7,020*	68.7
Cement	27,916	27,127	25,131	26,246	28,498	29,330	**30,105**	29,864	29,932	29,948	29,199	25,581	*24,031*	79.8
Charcoal, not including production in lumber and wood-distillation industries	228	202	*192*	236	231	256	228	227	233	243	241	225	222	75.0
Cheese	2,908	*1,692*	1,723	1,987	3,040	3,645	**3,810**	3,778	3,643	3,488	3,262	2,689	2,139	44.4
Chemicals	32,311	32,634	32,172	32,681	32,442	31,959	*31,876*	31,914	32,280	**32,813**	32,451	32,294	32,216	97.1
China decorating, not including that done in potteries	295	299	321	316	304	292	301	279	278	299	297	291	*263*	81.9
Chocolate and cocoa products, not including confectionery	4,160	4,180	4,242	4,298	4,260	4,109	3,978	*3,619*	3,777	4,355	**4,512**	4,389	4,201	80.2
Cleansing and polishing preparations	1,239	1,261	1,306	**1,347**	1,336	1,227	1,213	1,178	*1,169*	1,201	1,189	1,198	1,243	86.8
Clocks	6,754	6,979	7,030	**7,094**	6,874	6,753	6,780	6,515	6,615	6,745	6,719	6,578	*6,366*	89.7
Cloth, sponging and refinishing	901	**930**	918	914	908	894	893	900	899	926	899	869	*862*	92.7
Clothing, horse	1,669	**1,858**	1,850	1,814	1,797	1,742	1,714	1,603	*1,460*	1,512	1,541	1,531	1,576	77.3
Clothing, men's	173,747	179,458	**181,952**	181,462	177,144	176,050	175,874	173,110	173,249	170,845	166,350	*162,913*	166,557	89.5
Clothing, men's, buttonholes	672	672	668	671	672	675	672	665	679	671	**691**	675	*653*	94.5
Clothing, women's	168,907	163,807	179,894	**188,526**	180,925	166,707	157,066	*145,362*	160,868	180,611	182,103	164,977	156,038	77.1
Coffee and spice, roasting and grinding	8,549	8,317	8,433	8,533	8,603	8,593	8,684	8,570	8,918	**8,959**	8,560	8,212	*8,206*	91.6
Coffins, burial cases, and undertakers' goods	9,468	9,674	9,703	**9,718**	9,691	9,576	9,487	9,345	9,360	9,288	9,320	*9,198*	9,256	94.6
Coke, not including gas-house coke	21,107	22,339	22,845	**24,205**	23,257	22,072	21,476	21,386	20,759	20,255	19,677	17,903	*17,710*	73.2

No. 174.—Wage Earners: Number Employed in Manufactures, 1914, by Months and by Industries—Continued.

Industry.	Average number employed during year.	Wage earners employed on the 15th day of each month or nearest representative day.												Per cent minimum forms of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Collars and cuffs, men's	10,100	10,056	10,017	10,108	10,150	10,107	9,982	*9,631*	9,693	10,081	10,856	10,325	10,194	88.7
Combs and hairpins, not made from metal or rubber	2,773	2,814	2,939	3,052	2,700	2,502	*2,268*	2,398	2,774	3,161	3,265	2,781	2,622	71.7
Condensed milk, and milk products other than butter and cheese	6,002	*5,281*	5,513	5,589	6,016	6,563	6,956	6,823	6,161	6,136	5,860	5,644	5,482	75.9
Confectionery and ice cream	53,658	50,890	51,002	52,693	50,872	49,582	48,368	*48,074*	51,886	58,434	62,080	60,261	59,754	77.4
Cooperage	17,128	16,606	16,639	17,101	17,392	17,360	17,816	17,159	16,806	17,762	17,788	16,811	*16,296*	91.5
Copper, tin, and sheet-iron work	28,714	27,812	*26,915*	27,545	28,518	29,152	29,276	29,480	29,652	29,825	29,674	29,021	27,098	90.2
Cordage and twine	15,769	16,287	16,427	16,478	16,629	16,521	16,516	16,346	*13,445*	14,028	15,708	15,288	15,555	80.9
Cordials and flavoring sirups	929	809	841	832	901	983	1,458	935	917	1,025	837	*781*	829	53.6
Cork, cutting	3,454	3,695	3,716	3,793	3,720	3,587	3,557	3,443	3,313	3,436	3,222	2,997	*2,969*	78.3
Corsets	20,496	21,633	22,092	22,289	22,315	21,619	21,065	20,290	20,238	19,800	18,813	18,049	*17,749*	79.5
Cotton goods	379,366	389,980	388,585	387,447	386,989	384,516	380,001	375,484	*369,138*	369,284	371,584	374,004	375,380	94.7
Cotton small wares	6,598	6,723	6,804	6,861	6,896	6,804	6,605	6,535	6,376	6,458	6,415	6,355	*6,344*	92.0
Crucibles	302	314	298	321	317	310	296	298	294	*286*	308	295	287	89.1
Cutlery and edge tools	16,561	17,005	17,437	17,326	17,168	16,962	16,807	*15,335*	16,425	16,112	16,277	16,084	15,794	87.9
Dairymen's, poultrymen's, and apiarists' supplies	5,551	5,922	6,543	6,768	6,369	5,803	5,551	5,194	4,927	4,780	*4,684*	4,803	5,268	69.2
Dental goods	3,080	3,328	3,369	3,386	3,410	3,434	3,458	3,453	2,749	2,615	2,586	2,600	*2,572*	74.4
Drug grinding	1,059	1,063	1,050	1,076	*1,021*	1,049	1,074	1,042	1,076	1,090	1,065	1,070	1,032	93.7
Druggists' preparations	9,277	9,549	9,558	9,540	9,423	9,311	9,146	8,976	*8,855*	9,301	9,351	9,247	9,067	92.6
Dyeing and finishing textiles, exclusive of that done in textile mills	48,467	49,059	50,369	51,070	50,815	49,681	49,291	47,915	46,981	48,007	47,662	*45,253*	45,501	88.6
Dyestuffs and extracts	2,839	2,719	*2,662*	2,779	2,838	2,848	2,849	2,798	2,785	2,917	2,989	2,967	2,917	89.1
Electrical machinery, apparatus, and supplies	118,078	128,766	126,610	126,240	123,742	120,956	118,743	116,340	115,347	113,768	110,944	108,203	*107,277*	83.3
Electroplating	2,584	2,555	2,567	2,583	2,572	2,599	2,588	2,542	*2,492*	2,584	2,665	2,647	2,614	93.5
Emery and other abrasive wheels	2,387	2,554	2,425	2,496	2,570	2,560	2,435	2,381	2,319	2,265	2,202	*2,196*	2,241	85.4
Enameling	1,314	1,379	1,358	1,367	1,338	1,370	1,363	1,314	*1,226*	1,278	1,270	1,250	1,255	88.9
Engines, steam, gas, and water	29,657	30,183	30,885	31,343	32,033	31,643	30,886	30,114	30,010	28,024	26,946	*26,669*	27,148	83.3
Engravers' materials	106	103	104	104	105	107	105	*100*	102	110	110	110	112	89.3
Engraving and diesinking	1,536	1,527	1,520	1,539	1,515	1,531	*1,504*	1,511	1,530	1,514	1,555	1,560	1,626	92.5
Engraving, steel and copperplate, including plate printing	6,859	7,020	6,977	6,917	6,951	7,022	6,971	6,710	*6,624*	6,724	6,761	6,704	6,927	94.3
Engraving, wood	302	296	*295*	295	298	322	321	335	289	296	299	291	297	85.1
Envelopes	6,970	7,097	6,995	7,129	7,174	7,085	6,968	6,813	*6,771*	6,954	6,986	6,908	6,850	94.[illegible]
Explosives	6,306	6,398	6,108	6,218	6,154	5,917	5,910	*5,877*	5,947	5,990	6,129	7,014	7,950	73.9
Fancy articles, not elsewhere specified	7,399	*6,612*	7,048	7,102	7,124	7,251	7,280	7,292	7,548	8,075	8,318	7,892	7,246	84.7

Feathers and plumes	4,483	4,285	4,784	4,725	4,628	4,288	4,058	4,239	4,662	5,391	4,856	4,051	3,829	71.0
Felt goods	4,035	4,282	4,097	4,176	4,142	4,045	4,008	3,872	3,874	3,953	4,008	3,952	4,011	90.4
Fertilizers	22,815	22,571	30,647	38,332	32,977	21,793	18,286	17,603	18,041	20,863	18,249	17,564	16,354	44.0
Files	4,349	4,510	4,538	4,539	4,481	4,475	4,410	4,432	4,400	4,204	4,164	4,020	4,015	88.5
Firearms	7,064	7,401	7,437	7,443	7,343	7,227	7,018	6,816	5,742	6,926	6,879	6,987	7,549	76.1
Fire extinguishers, chemical	256	255	258	261	260	266	261	248	239	254	267	256	247	89.5
Fireworks	1,324	1,267	1,378	1,435	1,531	1,660	1,691	992	1,351	1,327	1,140	1,095	1,021	58.7
Flags and banners	1,495	1,351	1,407	1,478	1,552	1,599	1,624	1,563	1,477	1,518	1,498	1,485	1,448	83.2
Flavoring extracts	1,461	1,323	1,341	1,305	1,487	1,575	1,612	1,569	1,552	1,490	1,445	1,402	1,341	82.1
Flax and hemp, dressed	116	162	180	169	108	111	85	87	83	102	108	98	99	46.1
Flour-mill and gristmill products	39,718	39,284	39,140	39,058	38,324	37,921	38,114	39,560	40,526	41,684	41,234	41,028	40,743	91.0
Food preparations, not elsewhere specified	20,306	19,139	19,444	19,652	19,683	19,018	19,214	19,803	20,547	22,341	22,800	21,606	20,425	83.4
Foundry and machine-shop products	362,471	380,036	380,565	334,214	383,296	377,960	372,043	367,430	360,118	345,894	338,380	328,974	330,742	85.6
Foundry supplies	555	486	483	519	552	574	603	598	603	573	584	603	482	79.9
Fuel, manufactured	141	129	98	125	112	106	98	110	123	177	193	205	221	42.1
Fur goods	9,030	7,487	7,069	7,205	7,217	7,332	8,020	8,634	9,348	10,829	11,671	11,957	11,591	59.1
Furnishing goods, men's	22,459	22,179	22,467	22,929	22,447	21,965	21,871	21,752	21,625	22,614	23,439	23,321	22,899	92.3
Furniture	127,881	131,801	135,295	136,341	133,507	129,765	126,518	122,101	126,070	125,673	124,879	122,161	119,861	87.9
Furs, dressed	1,525	1,224	1,256	1,297	1,437	1,721	1,705	1,702	1,617	1,734	1,609	1,600	1,398	70.6
Galvanizing	1,580	1,577	1,686	1,771	1,660	1,602	1,663	1,745	1,666	1,678	1,478	1,198	1,236	67.6
Gas and electric fixtures	10,913	11,046	11,083	11,002	10,836	10,647	10,444	10,139	10,461	11,172	11,764	11,409	10,963	86.1
Gas, illuminating and heating	43,792	41,603	41,017	41,488	44,276	47,204	47,572	46,962	45,772	44,213	42,999	41,404	40,994	86.2
Gas machines, and gas and water meters	4,972	4,682	5,069	5,154	5,125	5,111	5,208	5,153	5,161	4,959	4,687	4,662	4,693	89.5
Glass	74,502	83,002	85,875	86,461	85,644	82,973	74,347	55,433	49,861	62,683	72,075	77,383	78,287	57.7
Glass, cutting, staining, and ornamenting	8,067	8,437	8,524	8,447	8,293	8,002	7,834	7,380	7,993	8,140	7,987	7,937	7,840	86.6
Gloves and mittens, leather	10,668	11,762	11,745	11,791	11,573	11,379	11,348	11,012	11,059	9,788	9,417	8,561	8,581	72.6
Glucose and starch	4,509	4,850	4,932	4,948	4,608	4,182	4,405	4,157	4,403	4,627	4,377	4,139	4,480	83.6
Glue, not elsewhere specified	3,129	3,396	3,414	3,438	3,531	3,342	3,158	2,788	2,785	2,827	3,008	2,902	2,959	78.9
Gold and silver, leaf and foil	1,135	1,168	1,177	1,167	1,148	1,133	1,120	1,128	1,088	1,117	1,129	1,124	1,121	92.4
Gold and silver, reducing and refining, not from the ore	456	471	463	463	460	456	461	469	445	444	444	440	456	93.4
Graphite, ground and refined	250	258	259	253	255	250	263	248	187	213	270	261	283	66.1
Grease and tallow, not including lubricating grease	5,106	5,050	4,973	5,056	5,113	5,151	5,271	5,176	5,191	5,301	5,066	4,955	4,969	94.0
Grindstones	686	588	576	618	737	827	818	816	784	722	673	563	510	61.7
Haircloth	595	625	623	616	613	576	589	582	593	594	594	558	577	89.3
Hair work	1,193	1,192	1,226	1,283	1,248	1,244	1,207	1,144	1,170	1,209	1,188	1,124	1,081	84.3
Hammocks	285	253	277	323	331	351	361	289	230	232	264	263	256	60.9
Hand stamps	1,321	1,377	1,382	1,386	1,382	1,380	1,363	1,307	1,205	1,236	1,263	1,271	1,300	86.9
Hardware	41,213	43,036	43,403	43,651	43,264	42,265	41,054	40,071	40,022	39,582	39,673	39,448	39,087	89.5
Hardware, saddlery	2,511	2,758	2,778	2,770	2,528	2,456	2,396	1,931	2,418	2,435	2,552	2,551	2,559	69.5
Hat and cap materials	1,775	1,844	1,803	1,919	1,894	1,693	1,813	1,733	1,620	1,687	1,689	1,781	1,824	88.2
Hats and caps, other than felt, straw, and wool	7,322	7,200	7,338	7,409	7,267	7,383	7,316	7,350	7,339	7,502	7,391	7,152	7,212	95.3
Hats, fur-felt	21,318	21,519	21,783	21,581	20,518	19,791	20,134	22,030	22,269	22,356	22,438	20,844	20,553	88.2
Hats, straw	9,483	11,433	12,252	12,243	11,721	9,578	7,824	4,839	7,254	8,853	8,820	8,956	10,023	39.5
Hats, wool-felt	1,249	835	984	1,058	1,253	1,400	1,491	1,442	1,518	1,480	1,472	1,053	1,002	56.0
Hones and whetstones	170	138	195	205	213	199	199	181	152	128	126	121	133	56.8
Horseshoes, not made in steelworks or rolling mills	588	556	545	536	545	540	549	552	564	565	673	705	726	73.8
Hosiery and knit goods	150,520	152,974	155,683	157,636	157,054	155,273	153,071	148,572	142,779	143,747	147,513	146,356	145,582	90.6

No. 174.—Wage Earners: Number Employed in Manufactures, 1914, by Months and by Industries—Continued.

Industry.	Average number employed during year.	Wage earners employed on the 15th day of each month or nearest representative day.												Per cent minimum forms of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
House-furnishing goods, not elsewhere specified	6,935	6,797	6,872	7,052	7,026	7,034	6,937	6,789	6,769	6,957	7,176	7,051	6,760	94.2
Ice, manufactured	23,011	15,144	15,660	17,128	21,023	25,686	30,825	32,526	32,104	28,896	23,065	18,085	15,990	46.6
Ink, printing	1,391	1,391	1,383	1,374	1,374	1,377	1,385	1,402	1,402	1,409	1,414	1,399	1,382	97.2
Ink, writing	512	462	494	502	532	552	519	498	544	570	521	493	457	82.8
Instruments, professional and scientific	7,107	6,670	6,796	7,101	7,161	7,255	7,257	7,301	7,088	7,213	7,564	6,998	6,880	88.2
Iron and steel, blast furnaces	29,356	31,898	31,869	32,813	32,851	31,733	30,782	29,921	29,000	27,757	26,407	23,329	23,912	71.0
Iron and steel, steelworks and rolling mills	248,716	257,651	262,418	271,531	270,941	254,443	254,827	252,680	247,953	249,635	233,338	210,279	218,896	77.4
Iron and steel, bolts, nuts, washers, and rivets, not made in steelworks or rolling mills	10,658	11,166	11,003	11,132	11,328	11,079	10,649	10,787	10,721	10,393	9,948	9,830	9,860	88.0
Iron and steel, doors and shutters	1,985	1,946	2,028	1,921	1,980	1,944	1,817	1,857	1,859	1,957	2,139	2,240	2,132	81.1
Iron and steel forgings, not made in steelworks or rolling mills	10,689	10,926	11,148	11,472	11,372	10,877	10,465	10,589	10,459	10,372	10,178	10,012	10,398	87.3
Iron and steel nails and spikes, cut and wrought, including wire nails not made in steelworks or rolling mills	2,644	2,775	2,743	2,786	2,721	2,612	2,562	2,550	2,551	2,565	2,594	2,625	2,644	93.0
Iron and steel, cast-iron pipe	12,557	11,816	12,572	13,193	12,701	12,613	12,849	13,221	13,427	13,211	12,555	11,336	11,190	83.3
Iron and steel, wrought pipe	8,845	9,834	9,794	9,836	10,764	9,947	8,804	9,766	8,481	7,436	7,008	6,796	7,674	63.1
Ivory, shell and bonework, not including combs and hairpins	795	804	823	821	805	787	783	780	774	805	807	793	758	92.1
Japanning	228	223	224	228	256	263	238	231	229	224	210	210	200	76.0
Jewelry	28,289	30,377	29,941	29,314	28,741	28,568	27,709	26,542	26,807	28,075	28,567	27,677	27,150	87.4
Jewelry and instrument cases	2,393	2,294	2,303	2,338	2,359	2,353	2,318	2,292	2,351	2,487	2,626	2,586	2,409	87.3
Jute goods	7,987	8,221	8,234	8,308	8,383	8,366	8,326	8,266	8,060	7,891	7,491	7,237	7,061	84.2
Labels and tags	2,600	2,614	2,616	2,625	2,577	2,596	2,587	2,635	2,621	2,621	2,604	2,588	2,516	95.5
Lace, cotton	7,440	7,944	7,999	8,182	7,955	7,594	7,307	7,220	7,188	7,156	7,365	6,758	6,612	87.5
Lamps and reflectors	7,134	7,773	7,980	8,032	8,047	7,283	7,106	6,759	6,635	6,592	6,719	6,568	6,114	76.0
Lapidary work	584	754	698	747	741	707	730	677	486	476	397	339	256	34.0
Lard, not made in slaughtering and meat-packing establishments	19	19	20	21	18	18	18	18	18	18	20	21	19	85.7
Lasts	2,094	2,323	2,362	2,203	2,098	2,051	1,997	2,102	2,054	1,905	1,979	2,039	2,015	80.6
Lead, bar, pipe, and sheet	585	567	591	596	592	589	606	605	600	576	573	566	559	92.2
Leather goods, not elsewhere specified	7,071	6,677	6,820	6,881	6,860	6,807	6,939	6,988	7,115	7,553	7,854	7,417	6,941	85.0
Leather, tanned, curried, and finished	55,936	58,250	58,455	58,743	58,001	57,009	56,530	55,216	54,294	53,715	55,491	53,793	53,735	91.1
Lime	12,429	11,076	10,811	11,961	13,164	13,407	13,154	13,342	13,745	13,670	12,876	11,768	10,174	80.6
Linen goods	3,567	3,683	3,681	3,719	3,704	3,603	3,451	3,375	3,422	3,492	3,589	3,530	3,549	90.8
Liquors, distilled	6,295	6,899	6,841	7,072	6,849	6,270	5,691	5,251	5,373	6,095	6,164	6,240	6,690	74.3
Liquors, malt	62,070	59,343	58,970	59,310	60,626	62,631	66,933	67,478	66,423	63,559	61,279	59,531	58,707	87.0

Liquors, vinous	2,292	2,056	1,991	2,008	2,037	1,959	1,843	1,769	1,940	3,309	3,627	2,666	2,299	48.8
Lithographing	15,171	15,080	15,039	15,160	15,178	15,240	15,343	15,209	15,208	15,176	15,187	15,158	15,074	98.0
Locomotives, not made by railroad companies	17,391	22,364	22,202	21,814	19,699	18,839	17,482	16,102	15,760	15,272	13,576	12,535	13,047	56.0
Looking-glass and picture frames	4,787	4,597	4,926	4,933	4,787	4,714	4,723	4,662	4,761	4,896	4,970	4,928	4,547	91.5
Lubricating greases	476	479	466	486	484	490	485	491	500	483	475	448	425	85.0
Lumber and timber products	479,786	488,367	494,736	507,229	502,607	507,876	500,581	493,776	482,532	465,920	455,178	436,895	421,735	83.0
Lumber, planing-mill products, not including planing mills connected with sawmills	96,214	91,452	92,207	93,717	96,844	99,049	100,863	101,228	101,147	99,079	96,680	92,916	89,386	88.3
Malt	1,989	2,350	2,386	2,326	2,209	1,953	1,816	1,650	1,540	1,629	1,911	1,974	2,094	64.5
Marble and stone work	54,981	48,653	47,732	51,564	56,477	58,414	59,378	59,568	60,039	59,231	57,031	52,533	49,152	79.5
Matches	3,800	4,275	4,380	4,244	4,099	3,890	3,585	3,121	3,250	3,590	3,835	3,787	3,544	71.3
Mats and matting, from cocoa fiber, grass, etc	869	1,457	1,285	1,221	1,119	1,072	1,074	902	472	516	389	457	664	21.7
Mattresses and spring beds, not elsewhere specified	11,747	11,550	11,645	11,869	12,045	12,053	12,052	11,681	11,587	11,856	11,906	11,527	11,193	92.9
Millinery and lace goods	45,274	46,460	52,390	53,209	48,976	41,414	38,273	38,805	44,934	48,863	45,279	42,110	42,575	71.9
Mineral and soda waters	15,506	12,448	12,688	13,410	14,987	16,583	18,451	19,264	18,644	17,304	15,852	13,405	13,036	64.6
Minerals and earths, ground	4,707	4,759	4,550	4,859	5,075	4,947	4,886	4,623	4,679	4,728	4,742	4,437	4,199	82.7
Mirrors, framed and unframed	3,184	3,306	3,290	3,311	3,252	3,160	3,167	3,130	3,104	3,172	3,151	3,119	3,046	92.0
Models and patterns, not including paper patterns	4,274	4,238	4,430	4,500	4,466	4,412	4,284	4,338	4,267	4,128	4,031	4,068	4,126	89.6
Motorcycles, bicycles, and parts	6,680	8,843	9,177	8,840	8,300	7,872	6,270	5,351	4,792	4,333	4,608	5,360	6,414	47.2
Mucilage and paste	700	698	692	697	719	708	711	717	703	707	686	685	677	94.2
Musical instruments and materials, not elsewhere specified	1,831	1,792	1,825	1,845	1,855	1,810	1,805	1,772	1,802	1,812	1,864	1,880	1,910	92.8
Musical instruments, organs	3,063	3,191	3,217	3,231	3,194	3,115	3,103	3,077	2,994	2,918	2,920	2,866	2,930	88.7
Musical instruments, pianos	23,877	25,168	25,221	25,372	25,276	24,565	23,752	22,497	22,393	22,915	23,130	23,091	23,144	88.3
Musical instruments, piano and organ materials	10,616	11,633	11,712	11,839	11,522	11,035	10,451	9,776	9,789	9,865	9,899	9,888	9,983	74.2
Needles, pins, and hooks and eyes	5,339	5,497	5,474	5,445	5,421	5,405	5,268	5,318	5,199	5,288	5,279	5,258	5,216	94.6
Nets and seines	1,058	1,098	1,131	1,099	1,060	1,039	970	1,014	1,029	1,048	1,068	1,073	1,067	85.8
Oakum	116	116	122	111	107	112	106	112	119	121	121	123	122	86.2
Oil, cottonseed and cake	21,810	32,459	28,065	21,368	13,561	8,421	7,063	7,361	10,015	24,787	35,478	36,838	36,304	19.2
Oil, essential	249	202	199	215	218	223	288	287	359	307	253	231	206	55.4
Oil, linseed	1,488	1,770	1,680	1,614	1,352	1,274	1,104	1,118	1,236	1,289	1,733	1,853	1,833	59.6
Oil, not elsewhere specified	2,049	1,840	1,919	1,880	1,936	1,948	2,240	2,270	2,194	2,248	2,218	2,016	1,879	81.1
Oilcloth and linoleum, floor	4,428	4,572	4,556	4,564	4,499	4,503	4,528	4,267	4,263	4,359	4,431	4,262	4,332	93.2
Oilcloth, enameled	1,223	1,298	1,303	1,295	1,275	1,224	1,208	1,156	1,186	1,166	1,188	1,184	1,193	88.7
Oleomargarine	917	1,007	1,016	1,039	897	762	744	801	821	961	985	951	1,020	72.9
Optical goods	7,919	7,929	8,029	8,178	8,083	8,062	8,071	7,745	7,682	7,575	7,721	7,907	8,046	92.6
Paints	13,349	13,002	13,501	13,752	13,978	14,024	14,048	13,293	13,157	13,229	12,948	12,683	12,573	89.5
Paper and wood pulp	88,457	89,140	89,235	89,756	89,916	89,633	88,389	87,061	86,725	88,847	88,830	87,018	86,934	96.6
Paper goods, not elsewhere specified	13,495	13,544	13,665	13,901	14,158	14,277	13,846	13,399	13,135	13,180	13,207	12,929	12,699	88.9
Paper patterns	1,073	1,018	1,038	1,068	1,057	1,055	1,111	1,129	1,123	1,106	1,070	1,054	1,052	89.7
Patent medicines and compounds	13,328	13,878	14,143	14,235	14,000	13,569	12,753	12,804	12,548	12,862	12,945	13,082	13,122	88.1
Paving materials	19,540	13,698	12,324	14,755	19,331	22,018	23,830	24,328	24,226	23,739	22,234	18,793	14,704	52.7
Peanuts, grading, roasting, cleaning, and shelling	2,353	2,825	2,799	2,834	2,716	2,354	1,933	1,784	1,932	2,094	1,878	2,407	2,680	62.9
Pencils, lead	4,330	4,241	4,366	4,298	4,302	4,418	4,408	4,343	4,313	4,317	4,300	4,348	4,306	96.0
Pens, fountain and stylographic	1,154	1,178	1,183	1,192	1,174	1,159	1,138	1,138	1,142	1,133	1,136	1,141	1,134	95.1
Pens, gold	246	282	272	245	247	243	243	231	241	242	242	237	227	80.5
Pens, steel	573	577	557	549	575	577	596	586	580	579	577	582	541	90.8
Perfumery and cosmetics	2,897	2,646	2,752	2,899	2,940	2,928	2,905	2,846	2,786	2,948	3,150	3,000	2,964	84.0
Petroleum, refining	25,366	25,068	25,053	25,833	25,565	25,138	25,572	25,849	24,946	25,516	25,773	25,211	24,868	96.2

No. 174.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1914, BY MONTHS AND BY INDUSTRIES—Continued.

Industry.	Average number employed during year.	Wage earners employed on the 15th day of each month or nearest representative day.												Per cent minimum forms of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Phonographs and graphophones	9,381	9,276	9,050	9,413	9,441	9,617	9,177	9,523	9,673	*8,748*	9,017	9,635	10,007	87.4
Photo-engraving, not done in printing establishments	6,211	6,317	6,268	6,306	6,339	6,298	6,207	6,136	6,121	*6,080*	6,132	6,137	6,191	95.9
Photographic apparatus	2,016	2,087	2,169	2,192	2,166	2,110	2,113	2,029	1,978	1,854	1,862	1,819	*1,813*	82.7
Photographic materials	6,658	6,919	7,020	7,024	7,012	6,919	6,879	6,888	6,809	6,296	6,177	5,981	*5,972*	85.0
Pickles, preserves, and sauces	12,590	10,276	10,742	10,333	*10,026*	10,179	11,641	12,312	14,381	19,136	17,540	12,980	11,534	52.4
Pipes, tobacco	2,354	2,331	2,442	2,477	2,439	2,463	2,374	2,205	2,336	2,314	2,338	2,371	*2,158*	87.1
Plated ware	8,717	8,817	9,097	9,191	9,049	8,904	8,664	*8,204*	8,448	8,594	8,734	8,622	8,280	89.3
Plumbers' supplies, not elsewhere specified	18,479	17,986	18,383	18,488	18,529	18,562	19,047	19,372	19,394	18,718	18,342	17,722	*17,205*	88.7
Pocketbooks	1,466	1,300	1,399	1,545	1,506	1,432	1,398	1,438	1,517	1,627	1,695	1,492	*1,243*	73.3
Pottery	26,705	26,034	26,732	27,240	27,361	27,099	26,668	*25,505*	26,754	26,963	27,188	26,737	26,179	93.6
Poultry, killing and dressing	1,353	1,408	926	*790*	894	965	1,016	956	953	1,060	1,402	2,708	3,158	25.0
Printing and publishing, book and job	113,121	114,868	115,215	116,496	114,034	113,221	112,223	*110,453*	110,475	111,999	112,852	112,726	112,890	94.8
Printing and publishing, music	873	893	889	901	887	876	850	*845*	849	873	877	884	852	93.8
Printing and publishing, newspapers and periodicals	114,375	114,492	114,495	114,838	114,812	114,842	114,145	112,555	*112,504*	113,694	115,041	115,248	115,834	97.1
Printing materials	423	411	409	411	429	436	413	410	*405*	422	451	445	434	89.8
Pulp goods	1,654	1,798	1,800	1,800	1,764	1,757	1,719	1,701	1,592	1,560	1,519	*1,403*	1,435	77.9
Pulp wood	421	528	399	253	*155*	370	474	505	451	445	486	451	535	29.0
Pumps, not including power pumps	2,134	2,280	2,263	2,313	2,305	2,217	2,151	2,132	2,045	1,997	1,962	*1,990*	2,013	83.4
Pumps, steam and other pumps	6,188	6,605	6,608	6,569	6,492	6,426	6,408	6,366	6,224	6,027	5,710	5,422	*5,399*	81.7
Refrigerators	5,617	6,056	6,260	6,361	6,339	6,231	5,962	5,446	*4,482*	4,498	4,862	5,424	5,483	70.5
Regalia and society badges and emblems	2,010	1,971	2,007	2,086	2,128	2,121	2,100	1,997	*1,916*	1,928	2,005	1,943	1,918	90.0
Rice, cleaning and polishing	1,253	1,758	1,690	1,342	1,175	819	344	*332*	608	1,567	1,701	1,852	1,848	17.9
Roofing materials	4,088	3,825	3,787	4,003	4,232	4,295	4,240	4,205	4,131	4,325	4,314	3,970	*3,739*	86.2
Rubber goods, not elsewhere specified	50,220	47,201	50,788	54,078	57,317	56,246	54,624	51,414	46,617	46,629	45,881	*44,574*	45,271	76.5
Rules, ivory and wood	408	515	483	472	455	400	393	382	376	351	352	*344*	373	66.8
Saddlery and harness	12,969	13,765	13,854	13,653	13,399	13,135	12,834	12,436	12,105	*11,876*	12,401	12,679	13,491	85.7
Safes and vaults	2,972	3,148	3,200	3,142	3,157	3,108	3,065	2,978	2,842	2,769	2,777	*2,721*	2,757	85.0
Salt	5,089	4,731	*4,654*	4,875	5,096	5,126	5,128	5,167	5,221	5,448	5,492	5,159	4,971	84.7
Sand and emery paper and cloth	681	747	736	736	724	624	622	*616*	625	653	645	715	729	82.5
Sand-lime brick	557	404	*396*	493	514	714	720	686	702	604	515	476	430	55.0
Sausage, not made in slaughtering and meat-packing establishments	2,244	2,270	2,259	2,228	2,177	*2,174*	2,186	2,218	2,250	2,270	2,303	2,309	2,284	94.2
Saws	4,560	4,755	4,733	4,784	4,755	4,710	4,662	4,584	4,494	4,382	4,299	4,294	*4,268*	89.2
Scales and balances	4,467	4,659	4,867	4,885	4,774	4,704	4,711	4,616	4,460	4,118	4,005	3,941	*3,864*	79.1
Screws, machine	3,643	3,808	3,814	3,903	3,943	3,815	3,688	3,647	3,535	3,344	*3,273*	3,388	3,558	83.0

Screws, wood	4,446	5,171	5,036	4,858	4,653	4,593	4,512	4,406	4,274	4,264	3,966	3,820	*3,794*	82.5
Sewing-machine cases	3,699	4,236	4,249	4,255	4,183	4,027	4,110	3,952	3,570	3,439	2,880	*2,737*	2,750	64.4
Sewing machine and attachments	14,308	16,056	15,803	15,739	15,475	*14,985*	14,720	14,648	*14,098*	12,819	*12,312*	12,449	12,592	76.7
Shipbuilding, iron and steel	33,508	36,262	35,435	36,788	36,636	36,773	36,222	34,822	32,967	29,808	28,743	*28,107*	29,533	76.4
Shipbuilding, wooden, including boat building	10,981	10,776	10,341	11,746	12,305	12,794	12,388	11,342	10,639	10,062	10,419	9,736	*9,224*	72.1
Shirts	51,972	56,006	56,487	56,659	54,890	53,483	51,365	49,985	48,164	*47,754*	48,753	50,113	50,005	84.3
Show cases	2,257	2,301	2,353	2,392	2,395	2,374	2,291	2,194	2,184	2,212	2,179	2,127	*2,082*	86.9
Signs and advertising novelties	9,566	9,238	*9,256*	9,282	9,613	9,868	9,927	9,639	9,611	9,734	9,704	9,497	9,373	93.2
Silk goods, including throwsters	108,170	107,769	109,712	110,879	111,706	112,761	111,779	111,141	109,700	107,193	105,213	100,142	*100,045*	88.7
Silversmithing and silverware	7,070	7,283	7,293	7,214	7,110	6,973	6,929	*6,465*	6,887	7,033	7,249	7,239	7,160	88.6
Slaughtering and meat packing	98,832	106,613	103,062	99,633	94,000	91,973	95,108	94,848	*91,292*	95,128	101,938	103,859	108,440	84.2
Smelting and refining, copper	17,731	20,778	19,867	20,381	20,811	20,725	20,837	20,502	16,233	13,568	13,435	*12,295*	13,340	59.0
Smelting and refining, lead	7,285	7,752	7,564	7,541	7,560	7,512	7,640	7,449	7,510	7,147	7,089	*6,779*	7,077	87.4
Smelting and refining, zinc	9,617	9,748	9,663	9,824	9,683	9,663	9,439	*9,260*	9,344	9,667	9,801	9,562	9,750	94.3
Smelting and refining, not from the ore	2,585	2,828	2,732	2,777	2,832	2,801	2,779	2,713	*1,839*	2,160	2,525	2,517	2,517	64.9
Soap	14,172	14,212	14,325	14,427	14,461	14,418	14,138	13,893	13,927	14,160	14,286	14,106	*13,711*	94.8
Soda-water apparatus	2,229	2,320	2,271	2,409	2,439	2,477	2,342	2,157	2,076	*1,950*	2,097	2,064	2,096	78.3
Sporting and athletic goods	5,602	5,893	5,886	5,961	5,478	5,501	5,647	5,407	*5,175*	5,416	5,595	5,569	5,696	86.8
Springs, steel, car, and carriage, not made in steelworks or rolling mills	3,703	3,584	3,566	3,790	3,818	3,806	3,682	*3,528*	3,597	3,862	3,639	3,715	3,849	91.4
Stamped and enameled ware, not elsewhere specified	28,731	28,732	29,787	30,785	30,537	30,046	29,187	28,374	28,180	28,296	28,138	26,408	*26,302*	85.4
Stationery goods, not elsewhere specified	7,728	7,601	7,737	7,953	7,879	7,894	7,946	7,720	7,679	7,609	7,625	7,506	*7,497*	94.3
Statuary and art goods	1,988	*1,896*	1,907	1,959	1,935	1,941	1,951	1,921	2,086	2,044	2,065	2,099	2,052	90.3
Steam fittings and steam and hot-water heating apparatus	26,388	26,338	27,061	27,388	26,767	26,483	26,071	26,641	27,178	26,450	25,913	*25,032*	25,334	91.4
Steam packing	4,213	4,506	4,499	4,473	4,293	4,185	4,241	4,095	*3,949*	4,045	4,153	4,085	4,032	87.6
Stencils and brands	446	453	462	452	454	444	439	*430*	441	441	443	436	457	93.1
Stereotyping and electrotyping	3,457	3,470	3,511	3,493	3,494	3,487	3,465	3,437	3,438	3,426	3,425	*3,413*	3,425	97.2
Stoves and hot-air furnaces	29,535	27,112	30,828	31,650	31,496	30,892	30,524	*26,751*	28,870	29,797	30,442	28,967	27,091	84.5
Stoves, gas and oil	7,790	7,622	8,127	8,373	8,612	8,435	8,709	7,828	*7,033*	7,166	7,411	7,059	7,105	80.8
Structural ironwork, not made in steelworks or rolling mills	47,167	46,876	45,859	45,744	46,508	48,279	49,880	50,214	50,184	48,912	46,823	44,202	*42,523*	84.7
Sugar, beet	7,997	6,593	*2,537*	2,537	3,164	3,939	4,045	4,470	7,180	9,066	20,353	18,686	13,354	12.4
Sugar, cane	3,632	1,453	893	*673*	701	723	857	1,062	1,017	1,338	7,253	14,635	12,979	4.6
Sugar, refining	11,253	*9,112*	9,930	11,722	11,983	12,229	12,792	12,471	12,397	11,593	10,390	10,117	10,300	71.2
Sulphuric, nitric, and mixed acids	3,064	*2,858*	2,903	2,900	2,898	2,926	3,007	2,952	3,090	3,049	3,312	3,346	3,527	81.0
Surgical appliances	4,282	4,121	4,261	4,276	4,244	4,249	4,148	4,122	*4,111*	4,291	4,491	4,625	4,445	88.9
Suspenders, garters, and elastic-woven goods	9,646	9,722	9,975	10,027	9,942	9,710	9,588	9,664	9,625	9,762	9,625	9,226	*8,886*	88.6
Theatrical scenery	88	80	81	78	87	90	93	101	97	100	89	88	*72*	71.3
Tin plate and terneplate	5,238	5,222	5,277	5,686	5,702	5,591	5,580	5,448	4,943	5,427	5,526	4,300	*4,154*	72.9
Tin foil	1,031	*968*	978	1,002	1,006	1,004	998	1,006	1,067	1,111	1,085	1,087	1,060	87.1
Tinware, not elsewhere specified	22,584	20,485	21,422	22,137	23,204	23,505	24,078	24,134	24,627	24,940	22,799	20,139	*19,553*	78.3
Tobacco, chewing and smoking and snuff	25,980	26,855	27,382	27,995	27,566	26,320	25,679	25,479	24,918	25,811	24,892	24,575	*24,283*	86.8
Tobacco, cigars, and cigarettes	152,892	151,986	153,232	153,488	*149,915*	152,070	152,270	152,213	153,363	154,810	156,404	154,005	150,948	95.9
Tools, not elsewhere specified	16,866	17,885	17,812	17,910	17,734	17,346	16,748	16,746	16,606	16,186	15,905	*15,691*	15,823	87.6
Toys and games	7,887	*5,745*	6,438	6,853	7,165	7,501	7,861	8,299	*8,712*	9,818	10,135	9,036	7,031	56.7
Trunks and valises	9,911	9,816	10,324	10,427	10,633	10,318	10,174	10,124	9,935	9,845	9,643	9,096	*8,597*	80.9
Turpentine and rosin	34,817	33,717	33,984	35,759	37,408	37,767	37,647	37,579	35,747	34,031	32,608	31,150	*30,407*	80.5
Type founding	1,054	1,060	1,094	*1,112*	1,114	1,056	1,039	1,002	*989*	1,065	1,048	1,036	1,033	88.8
Typewriters and supplies	11,091	13,074	13,164	13,273	13,228	12,891	12,504	11,952	8,290	*7,686*	8,751	9,011	9,268	57.9

No. 174.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1914, BY MONTHS AND BY INDUSTRIES—Continued.

Industry.	Average number employed during year.	Wage earners employed on the 15th day of each month or nearest representative day.												Per cent minimum forms of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Umbrellas and canes	4,792	5,015	5,150	5,143	5,060	4,981	4,760	4,473	*4,469*	4,726	4,738	4,519	4,470	86.8
Upholstering materials, not elsewhere specified	4,426	*4,535*	4,471	4,523	4,562	4,574	4,341	4,298	*4,246*	4,273	4,510	4,485	4,294	92.8
Varnishes	2,734	2,721	2,776	2,841	2,874	2,831	2,822	2,737	2,664	2,643	2,616	*2,605*	2,628	90.4
Vault lights and ventilators	601	546	*540*	558	582	616	633	620	600	635	639	633	610	84.5
Vinegar and cider	1,229	776	*768*	777	776	778	815	882	1,006	1,651	2,529	2,477	1,513	30.4
Wall paper, not made in paper mills	4,738	5,517	5,466	5,202	4,864	4,448	4,007	3,945	*3,176*	4,633	5,064	5,234	5,300	57.6
Wall plaster	5,389	4,966	4,998	5,230	5,695	5,691	5,667	5,752	5,750	5,596	5,361	5,065	*4,897*	85.1
Washing machines and clothes wringers	2,302	2,371	2,461	2,512	2,503	2,523	2,321	2,316	2,182	2,191	2,173	2,046	*2,020*	79.9
Waste	2,966	2,975	3,050	3,108	2,982	3,027	3,074	2,864	3,030	2,947	2,979	2,793	*2,763*	88.9
Watch and clock materials	670	727	715	706	695	686	653	629	*623*	649	650	646	661	85.7
Watchcases	3,514	3,887	3,859	3,825	3,805	3,699	3,659	3,283	3,382	3,312	3,209	3,161	*3,087*	79.4
Watches	12,390	12,863	12,885	12,913	12,487	12,557	12,388	*11,642*	12,185	12,197	12,280	12,210	12,073	90.2
Wheelbarrows	323	295	297	287	406	416	432	324	305	280	276	284	*274*	63.4
Whips	1,163	1,199	1,203	1,205	1,213	1,196	1,138	1,154	1,138	1,141	*1,112*	1,122	1,135	91.7
Windmills, not elsewhere specified	1,955	2,051	2,064	2,102	2,077	1,992	2,006	1,980	1,949	1,903	1,770	*1,739*	1,827	82.7
Window and door screens and weather strips	3,194	3,099	3,214	3,495	3,878	3,924	3,786	3,049	*2,687*	2,704	2,788	2,772	2,932	68.5
Window shades and fixtures	4,077	4,086	4,070	4,134	4,230	4,239	4,149	3,961	*3,910*	4,000	4,085	4,041	4,019	92.2
Wire	17,600	18,483	18,733	18,816	18,363	17,864	17,575	17,200	17,006	17,329	17,207	16,369	*16,255*	86.4
Wirework, including wire rope and cable, not elsewhere specified	12,126	12,544	12,648	12,756	12,744	12,558	12,106	*11,608*	11,650	11,707	11,825	11,756	11,610	91.0
Wood carpet	166	122	*120*	159	165	164	163	200	191	194	212	166	136	56.6
Wood distillation, not including turpentine and rosin	2,782	3,531	3,359	2,887	2,552	2,463	2,453	*2,434*	2,607	2,664	2,721	2,787	2,926	68.9
Wood preserving	2,830	2,809	*2,544*	2,811	2,848	2,943	2,991	3,131	3,010	2,829	2,772	2,694	2,578	81.3
Wood, turned and carved	11,615	12,414	12,355	12,542	12,343	11,870	11,398	11,093	10,965	*10,851*	11,082	10,965	11,202	86.6
Wooden goods, not elsewhere specified	6,418	6,478	6,681	6,676	6,794	6,584	6,538	6,279	6,258	*5,964*	6,251	6,172	6,341	87.8
Wool pulling	708	738	720	750	723	706	671	*658*	690	673	676	729	762	86.4
Wool scouring	1,059	1,044	1,132	1,161	1,087	1,199	1,118	1,096	950	*850*	906	1,047	1,118	70.9
Woolen and worsted goods	158,692	155,262	158,745	163,859	165,175	164,665	163,625	156,463	153,601	157,842	160,027	155,987	*149,053*	90.2
Wool shoddy	2,145	2,143	2,224	2,220	2,250	2,188	2,137	2,097	2,041	*2,014*	2,034	2,104	2,288	88.0
All other [1]	357	397	385	356	381	358	347	322	*307*	324	344	375	388	77.3
Total	7,036,337	7,075,682	7,141,594	7,242,752	7,217,320	7,148,650	7,100,368	7,018,867	7,020,683	7,086,815	7,006,331	6,736,968	*6,640,284*	91.7

[1] "All other" includes "Millstones," 2 establishments; "Ordnance and accessories," 2 establishments; "Pulp, from fiber other than wood," 3 establishments; and "Whalebone cutting," 1 establishment.

No. 175.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1914, BY MONTHS, BY STATES, AND BY GEOGRAPHIC DIVISIONS.

[Source: Reports of the Bureau of the Census, Department of Commerce. The maximum month of employment is shown by black figures and the minimum month by italic figures.]

State.	Average number employed during year.	Wage earners employed on the 15th day of each month, or nearest representative day.												Per cent minimum forms of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Alabama	78,717	80,668	81,479	**83,080**	81,555	79,208	78,532	79,646	79,181	78,750	76,231	73,252	*73,022*	87.9
Arizona	6,898	7,079	6,915	7,053	7,432	7,678	**7,774**	7,715	7,076	6,262	*5,847*	5,916	6,029	75.2
Arkansas	41,979	41,118	40,686	41,252	41,011	41,369	42,470	44,658	**45,506**	43,652	42,951	40,265	*38,810*	85.3
California	139,481	*119,688*	121,611	126,749	135,252	140,981	144,762	157,054	**161,072**	159,574	152,431	132,945	121,653	74.3
Colorado	27,278	26,813	*24,519*	24,836	25,489	25,710	26,667	28,258	27,994	27,959	**31,004**	29,667	28,417	79.1
Connecticut	226,264	228,033	230,542	**233,083**	232,162	231,433	228,252	223,931	*219,789*	222,889	223,118	220,393	221,543	94.3
Delaware	22,155	21,485	21,304	21,861	21,776	21,908	22,834	21,418	24,134	**28,364**	23,667	18,922	*18,187*	64.1
District of Columbia	8,877	8,696	8,672	*8,658*	8,725	9,003	8,869	8,765	8,885	8,965	8,995	9,064	**9,227**	93.8
Florida	55,608	55,647	55,851	56,595	57,066	56,968	56,764	**57,775**	55,924	55,071	55,354	*52,087*	52,194	90.2
Georgia	104,461	109,508	113,257	**115,286**	109,489	103,590	101,939	101,703	100,898	100,934	100,428	98,749	*97,751*	84.8
Idaho	8,919	6,915	*6,414*	7,577	8,738	9,853	**10,583**	10,368	10,069	10,091	9,831	8,783	7,806	60.6
Illinois	506,943	517,634	518,292	**521,752**	514,505	508,665	512,246	505,982	502,603	504,543	505,655	488,164	*483,275*	92.6
Indiana	197,503	*196,936*	198,650	203,312	205,317	203,442	203,167	199,301	201,296	**206,040**	195,460	180,265	*176,939*	85.9
Iowa	63,113	61,051	60,856	62,144	62,970	62,982	63,658	63,519	**67,845**	67,085	63,639	60,946	*60,661*	89.4
Kansas	41,259	40,351	*39,748*	39,986	40,170	40,681	41,295	42,361	41,834	42,288	**42,750**	42,290	41,354	93.0
Kentucky	64,586	63,088	63,832	65,834	66,072	65,995	65,633	65,207	**66,145**	66,067	64,742	61,931	*60,486*	91.4
Louisiana	77,665	78,445	77,885	78,311	78,905	76,604	76,265	77,839	75,848	*75,158*	78,032	**81,183**	77,955	92.6
Maine	82,149	82,527	82,406	81,457	79,169	83,812	80,810	78,888	79,811	**88,053**	87,519	83,540	*77,796*	88.4
Maryland	111,585	106,837	106,899	108,456	110,167	110,968	110,879	107,202	123,844	**134,437**	118,633	101,335	*99,363*	73.9
Massachusetts	606,698	626,776	628,535	**633,583**	628,344	619,082	611,928	595,609	588,703	589,194	590,992	587,141	*580,489*	91.6
Michigan	271,090	273,067	277,824	**282,176**	281,040	278,103	269,532	268,399	274,164	273,866	270,454	254,678	*249,777*	88.5
Minnesota	92,834	98,336	**100,110**	96,982	92,417	92,257	92,310	92,007	91,128	89,739	90,525	89,202	*88,995*	88.9
Mississippi	46,702	**48,363**	47,519	47,810	47,290	45,296	45,097	46,143	47,304	48,010	47,774	45,881	*43,937*	90.8
Missouri	152,182	151,293	151,799	155,240	**156,968**	155,556	156,296	156,263	155,366	154,431	152,048	141,558	*139,366*	88.8
Montana	13,704	14,260	13,154	13,187	14,395	15,172	15,280	**15,677**	13,232	12,386	12,920	*12,368*	12,417	78.9
Nebraska	25,144	24,159	*23,704*	24,103	24,560	25,147	25,802	25,726	**26,795**	26,210	26,017	24,852	24,653	88.5
Nevada	3,655	3,919	3,958	3,969	3,894	4,025	4,042	**4,128**	3,599	3,237	3,282	2,954	*2,853*	69.1
New Hampshire	78,993	**82,803**	82,243	81,296	80,099	9,344	78,427	78,018	77,279	*76,982*	77,402	76,993	77,030	93.0
New Jersey	373,605	375,612	377,720	381,166	**383,830**	379,376	379,332	371,217	367,483	372,481	372,664	362,322	*356,057*	92.8
New Mexico	3,776	3,621	3,623	*3,605*	3,804	3,926	3,892	**4,032**	3,927	3,846	3,816	3,606	3,614	89.4

No. 175.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1914, BY MONTHS, BY STATES, AND BY GEOGRAPHIC DIVISIONS—Con.

State.	Average number employed during year.	Wage earners employed on the 15th day of each month, or nearest representative day.												Per cent minimum forms of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
New York	1,057,857	1,055,575	1,078,354	1,094,773	1,084,215	1,067,030	1,053,471	1,033,953	1,037,475	1,067,384	1,072,512	1,034,649	*1,014,893*	92.7
North Carolina	136,844	138,553	138,731	141,491	140,511	139,150	137,182	136,775	135,011	134,465	133,804	133,544	*132,911*	93.9
North Dakota	3,275	3,000	*2,954*	2,976	3,104	3,207	3,442	3,625	3,554	3,533	3,397	3,333	3,175	81.5
Ohio	510,435	511,055	524,663	534,537	533,186	523,653	518,316	506,133	506,991	510,037	501,396	478,412	*476,841*	89.2
Oklahoma	17,443	17,365	17,176	17,164	17,493	17,807	17,334	17,232	*16,902*	17,398	18,088	17,911	17,446	93.4
Oregon	28,829	26,154	26,715	28,527	30,806	31,596	31,540	31,095	30,505	29,243	28,421	26,531	*24,815*	78.5
Pennsylvania	924,478	945,481	949,918	962,114	955,614	942,197	936,124	920,404	914,502	917,927	902,731	*873,138*	873,586	90.8
Rhode Island	113,425	116,501	116,597	116,685	116,349	115,661	114,119	111,600	110,936	112,035	112,300	110,056	*108,261*	92.8
South Carolina	71,914	75,728	76,898	77,256	73,826	71,200	69,830	69,334	*68,235*	69,215	69,557	70,540	71,299	88.4
South Dakota	3,788	3,490	*3,462*	3,560	3,588	3,715	3,794	3,878	3,992	3,990	4,087	4,007	3,893	84.7
Tennessee	74,373	73,538	74,236	76,116	77,312	76,040	76,450	76,034	76,047	75,559	72,672	70,269	*68,203*	88.2
Texas	74,853	76,993	75,559	74,217	73,261	*72,219*	73,078	75,779	76,587	76,983	75,588	73,654	74,318	93.8
Utah	13,394	13,035	*12,382*	12,578	13,101	13,386	14,262	15,401	14,993	15,794	15,525	13,334	12,937	78.4
Vermont	32,704	33,288	33,273	34,155	34,194	34,125	33,254	31,792	*31,213*	32,208	31,615	31,571	31,760	91.3
Virginia	102,820	100,795	101,063	103,802	106,175	105,902	104,916	102,697	103,418	108,590	106,016	96,944	*93,522*	86.1
Washington	67,205	58,748	62,691	69,411	73,351	74,736	75,182	72,996	73,757	70,227	64,047	58,243	*53,071*	70.6
West Virginia	71,078	71,642	71,638	74,664	76,677	76,205	73,332	69,880	71,044	71,664	69,773	63,875	*62,572*	81.6
Wisconsin	194,310	197,347	203,166	205,512	199,210	196,041	196,523	198,170	193,475	190,652	187,342	182,227	*182,055*	88.6
Wyoming	2,989	2,663	*2,641*	2,815	2,736	2,646	2,882	3,230	3,352	3,347	3,279	3,207	3,070	78.8
Total	7,036,337	7,075,682	7,141,594	7,242,752	7,217,320	7,148,650	7,100,368	7,018,867	7,020,683	7,086,815	7,006,331	6,736,698	6,640,284	91.7
Geographic divisions.[1]														
New England	1,140,233	1,169,928	1,173,596	1,180,259	1,170,317	1,163,457	1,146,790	1,119,838	1,107,731	1,121,361	1,122,946	1,109,694	*1,096,879*	92.9
Middle Atlantic	2,355,940	2,376,668	2,405,992	2,438,053	2,423,659	2,392,603	2,368,927	2,325,574	2,319,460	2,357,792	2,347,907	2,270,109	*2,244,536*	92.1
East North Central	1,680,281	1,696,039	1,722,595	1,747,289	1,733,258	1,709,904	1,699,784	1,677,935	1,678,439	1,685,138	1,660,307	1,583,747	*1,568,887*	89.8
West North Central	351,595	381,680	382,633	384,991	383,777	383,545	386,597	387,379	390,514	387,276	382,463	366,188	*362,097*	92.7
South Atlantic	685,342	688,891	694,283	708,069	704,412	694,894	686,545	675,549	691,443	711,705	686,227	645,060	*637,026*	89.5
East South Central	264,378	265,657	267,066	274,340	272,229	266,539	265,712	267,030	268,677	268,386	261,419	251,333	*245,648*	90.0
West South Central	211,940	213,921	210,806	210,944	210,670	*207,999*	209,147	215,558	214,843	213,191	214,659	213,013	208,529	96.5
Mountain	81,113	78,308	*73,606*	75,620	79,589	82,396	85,382	88,809	84,242	82,922	85,504	79,835	77,143	82.9
Pacific	235,515	204,590	211,017	224,687	239,409	247,313	251,484	261,145	265,334	259,044	244,899	217,719	*199,559*	75.2

[1] For States included in each division, see note 5, p. 36.

No. 176.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR, 1914.

[Source: Reports of the Bureau of the Census, Department of Commerce.]

Prevailing hours of labor per week.	Average number employed.	Per cent of total.	Prevailing hours of labor per week.	Average number employed.	Per cent of total.
48 hours and under	831,779	11.8	Between 60 and 72 hours	249,026	3.5
Between 48 and 54 hours	944,562	13.4	72 hours	106,080	1.5
54 hours	1,813,079	25.8	Over 72 hours	59,775	0.8
Between 54 and 60 hours	1,547,374	22.0			
60 hours	1,484,662	21.1	Total	7,036,337	100.0

No. 177.—WAGES AND HOURS OF LABOR: Relative Hours of Labor Per Week, Relative Rates of Wages Per Hour, and Relative Rates of Wages Per Week, Computed from Union Scales, 1913 to 1917.

[Source: Reports of the Bureau of Labor Statistics, Department of Labor. The figures are based on data obtained in the principal cities of the United States, 40 cities being covered for 1913, 41 cities for 1914, 47 cities for 1915, 48 cities for 1916, and 56 for 1917. The relative hours are percentages which indicate the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes. The relative wages are percentages which indicate the change in wages per hour and per full-time week. Hours and rates for 1913=100. The figures are based on the scale prevailing May 15, 1913, May 1, 1914 and 1915, and May 15, 1916 and 1917.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Bakers.			Brewery and bottling-house workmen.								
				Bottlers.			Brewers.			Chauffeurs and drivers.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	99	102	102	100	103	103	100	102	102	100	102	102
1915..	99	103	103	99	107	106	99	104	103	100	103	103
1916..	98	107	105	98	110	108	99	106	105	100	105	105
1917..	98	117	114	98	115	113	99	111	110	99	112	110
	Brewery and bottling-house workmen—Continued.											
	Coopers.			Elevator men.			Engineers.			Firemen.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	101	93	108	101	100	102	102	100	102	102
1915..	100	101	101	85	119	102	99	103	103	99	104	103
1916..	100	104	104	85	119	102	97	107	104	98	107	105
1917..	100	111	111	84	126	107	97	113	109	98	110	108
	Brewery and bottling-house workmen—Continued.											
	Labelers, bottle beer.			Laborers.			Maltsters.			Oilers.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	102	102	100	101	101	96	104	101	100	102	102
1915..	97	108	104	100	102	103	89	115	103	100	103	103
1916..	97	113	109	100	108	109	89	116	104	100	107	107
1917..	97	120	116	99	110	111	88	120	106	98	109	108
	Brewery and bottling-house workmen—Continued.											
	Packers, bottle beer.			Stablemen.			Washers.			Washhouse men.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	102	102	100	104	103	100	101	101	100	101	101
1915..	95	106	102	100	105	104	98	102	101	99	104	103
1916..	94	111	105	99	109	107	98	110	109	99	106	105
1917..	94	114	108	97	118	113	99	110	109	99	111	110
	Brewery and bottling-house workmen—Continued.						Building trades.					
	Watchmen.			Miscellaneous occupations.			Bricklayers.			Bricklayers, sewer, tunnel, and caisson.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	101	100	101	101	100	102	102	100	100	100
1915..	100	102	102	100	105	105	99	103	102	100	100	100
1916..	100	105	105	99	109	108	99	104	103	100	100	100
1917..	98	114	110	99	111	111	99	107	106	100	103	103

No. 177.—WAGES AND HOURS OF LABOR: RELATIVE HOURS OF LABOR PER WEEK, RELATIVE RATES OF WAGES PER HOUR, AND RELATIVE RATES OF WAGES PER WEEK, COMPUTED FROM UNION SCALES, 1913 TO 1917—Continued.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Building trades—Continued.											
	Building laborers.			Carpenters.			Carpenters, parquetry floor layers.			Cement finishers.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	101	100	102	102	100	106	106	99	101	100
1915..	100	101	100	100	103	103	100	107	107	99	102	101
1916..	99	106	104	99	106	106	100	108	108	98	103	101
1917..	98	117	112	99	115	115	100	120	116	97	109	106
	Building trades—Continued.											
	Cement finishers' helpers.			Cement finishers, laborers.			Engineers, portable and hoisting.			Hod carriers.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	100	100	100	100	100	101	101	99	101	101
1915..	100	101	101	100	100	100	99	102	101	99	102	102
1916..	100	102	101	100	103	103	99	103	101	99	105	105
1917..	100	106	106	100	110	109	98	108	106	99	117	117
	Building trades—Continued.											
	Inside wiremen.			Inside wiremen, fixture hangers.			Lathers.			Marble-setters.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	103	103	99	106	105	100	102	102	100	101	101
1915..	99	105	104	98	106	105	99	103	103	100	102	102
1916..	98	107	106	96	110	107	99	106	105	100	102	102
1917..	98	114	112	96	118	114	99	110	109	100	103	102
	Building trades—Continued.											
	Marble-setters' helpers.			Painters.			Painters, fresco.			Painters, sign.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	100	100	103	103	99	104	104	100	100	100
1915..	100	101	100	100	104	104	99	104	104	99	100	100
1916..	100	101	100	99	113	112	98	117	115	99	103	102
1917..	100	107	107	98	117	116	98	118	116	99	107	106

No. 177.—WAGES AND HOURS OF LABOR: RELATIVE HOURS OF LABOR PER WEEK, RELATIVE RATES OF WAGES PER HOUR, AND RELATIVE RATES OF WAGES PER WEEK, COMPUTED FROM UNION SCALES, 1913 TO 1917—Continued.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Building trades—Continued.											
	Plasterers.			Plasterers' laborers.			Plumbers and gas fitters.			Sheet-metal workers.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	100	100	97	102	100	101	101	100	104	104
1915..	99	101	100	101	97	102	100	102	102	100	105	105
1916..	98	105	103	100	99	104	99	103	102	99	107	106
1917..	98	108	106	100	106	111	99	107	105	99	112	111
	Building trades—Continued.											
	Steam fitters.			Steam fitters' helpers.			Stonemasons.			Structural-iron workers.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	99	102	101	101	102	102	100	103	103	100	102	102
1915..	99	104	103	101	105	104	100	104	104	100	102	102
1916..	99	106	105	100	106	106	100	106	105	100	104	103
1917..	98	110	109	100	113	112	100	110	109	99	110	109
	Building trades—Continued.											
	Structural-iron workers, finishers.			Structural-iron workers, finishers' helpers.			Tile layers.			Tile layers' helpers.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	102	102	100	101	101	100	101	101	100	101	101
1915..	100	102	102	100	101	101	100	101	101	98	104	103
1916..	100	104	104	100	101	101	99	103	102	98	108	106
1917..	99	109	108	98	110	108	99	108	106	97	111	108
	Chauffeurs, teamsters, and drivers.									Freight handlers.		
	Chauffeurs.			Teamsters and drivers.			Miscellaneous occupations.					
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	101	100	102	102	100	101	101	100	103	103
1915..	99	102	101	99	103	102	100	102	102	100	103	103
1916..	97	106	104	99	107	106	99	105	104	100	116	117
1917..	96	113	109	98	114	112	96	110	107	100	119	119
	Granite and stone trades.						Metal trades.					
	Granite cutters.			Stone cutters.			Blacksmiths.			Blacksmiths' helpers.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	100	100	104	104	100	102	102	100	101	101
1915..	100	101	101	100	105	105	100	102	102	100	104	104
1916..	100	105	105	100	106	105	99	106	105	99	109	107
1917..	100	109	109	100	111	110	99	114	112	98	122	119

No. 177.—WAGES AND HOURS OF LABOR: RELATIVE HOURS OF LABOR PER WEEK, RELATIVE RATES OF WAGES PER HOUR, AND RELATIVE RATES OF WAGES PER WEEK, COMPUTED FROM UNION SCALES, 1913 TO 1917—Continued.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Metal trades—Continued.											
	Boiler makers.			Boiler makers' helpers.			Core makers.			Machinists.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	100	100	100	101	100	100	101	101	99	102	101
1915..	100	101	100	100	101	101	100	102	102	99	102	102
1916..	97	106	103	98	108	105	99	109	108	97	116	112
1917..	97	114	111	97	114	111	99	123	121	96	127	123
	Metal trades—Continued.											
	Machinists' helpers.			Metal polishers and buffers.			Molders, iron.			Pattern makers, wood.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	100	100	100	100	100	100	101	101	99	101	100
1915..	100	100	100	100	101	101	100	101	101	99	101	100
1916..	100	107	107	97	108	105	98	110	107	99	108	107
1917..	100	118	117	96	120	116	97	124	120	97	124	119
	Millwork.						Printing and publishing: Book and job.					
	Carpenters.			Painters, hardwood finishers.			Bookbinders.			Compositors.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	97	102	98	99	105	104	100	102	102	100	103	103
1915..	97	103	99	99	108	108	100	102	102	100	103	103
1916..	95	107	102	99	122	121	100	102	102	100	105	105
1917..	94	115	107	99	124	122	100	108	108	100	107	107
	Printing and publishing: Book and job—Continued.											
	Electrotypers: Batterymen and builders.			Electrotypers: Finishers and molders.			Linotype operators.			Machine tenders.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	105	105	100	104	104	100	101	101	100	100	100
1915..	100	108	108	100	106	106	100	101	101	100	101	101
1916..	100	111	111	100	109	109	100	102	102	100	101	102
1917..	100	116	115	100	112	112	100	104	104	100	103	104

No. 177.—WAGES AND HOURS OF LABOR: RELATIVE HOURS OF LABOR PER WEEK, RELATIVE RATES OF WAGES PER HOUR, AND RELATIVE RATES OF WAGES PER WEEK, COMPUTED FROM UNION SCALES, 1913 TO 1917—Continued.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Printing and publishing: Book and job—Continued.											
	Machinist operators.			Press feeders.			Pressmen, cylinder.			Pressmen, platen.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	101	101	100	103	103	100	102	102	100	102	102
1915..	100	101	101	100	103	103	100	102	102	100	102	102
1916..	101	101	102	100	104	104	100	104	104	100	104	104
1917..	101	103	104	100	135	110	100	106	106	100	109	109
	Printing and publishing: Newspaper.											
	Compositors, daywork.			Compositors, nightwork.			Linotype operators, daywork.			Linotype operators, daywork (piecework).		
1913..	100	100	100	100	100	100	100	100	100	100	[1] 100	.....
1914..	100	101	101	100	101	101	100	101	101	100	[1] 100	.....
1915..	100	102	101	100	101	101	99	102	102	100	[1] 100	.....
1916..	100	102	102	100	102	101	99	103	102	100	[1] 100	.....
1917..	100	105	105	100	104	104	99	106	105	102	[1] 101	.....
	Printing and publishing: Newspaper—Continued.											
	Linotype operators, nightwork.			Linotype operators, nightwork (piecework).			Machine tenders, daywork.			Machine tenders, nightwork.		
1913..	100	100	100	100	[1] 100	.....	100	100	100	100	100	100
1914..	100	101	101	100	[1] 100	.....	100	101	100	100	100	100
1915..	100	102	101	100	[1] 100	.....	100	101	101	100	101	101
1916..	100	102	101	99	[1] 100	.....	100	101	101	100	101	101
1917..	99	105	104	101	[1] 100	.....	100	103	102	100	102	102
	Printing and publishing: Newspaper—Continued.											
	Machinist operators, daywork.			Machinist operators, nightwork.			Pressmen, web presses, daywork.			Pressmen, web presses, nightwork.		
1913..	100	100	100	100	100	100	100	100	100	100	100	100
1914..	100	100	100	100	100	100	100	101	101	100	101	101
1915..	100	100	100	100	100	100	100	101	101	100	101	101
1916..	100	102	102	100	100	100	100	102	102	100	102	102
1917..	100	104	104	99	104	103	100	104	104	100	103	103

[1] Based on price per 1,000 ems, nonpareil.

No. 177.—WAGES AND HOURS OF LABOR: RELATIVE HOURS OF LABOR PER WEEK, RELATIVE RATES OF WAGES PER HOUR, AND RELATIVE RATES OF WAGES PER WEEK, COMPUTED FROM UNION SCALES, 1913 TO 1917—Continued.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Printing and publishing: Newspaper—Continued.						Soft-drink establishment employees.					
	Stereotypers, daywork.			Stereotypers, nightwork.			Bottlers.			Chauffeurs and drivers.		
1913	100	100	100	100	100	100	100	100	100	100	100	100
1914	100	101	101	100	101	101	100	101	101	100	101	101
1915	100	101	101	100	101	101	99	105	104	100	102	102
1916	100	102	102	100	102	102	98	110	108	100	103	103
1917	100	105	105	100	105	104	97	117	113	100	112	112
	Soft-drink establishment employees—Continued.											
	Miscellaneous occupations.											
1913	100	100	100	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914	100	106	105	.....	.....	.....	.....	.....	.....	.....	.....	.....
1915	99	109	109	.....	.....	.....	.....	.....	.....	.....	.....	.....
1916	99	115	114	.....	.....	.....	.....	.....	.....	.....	.....	.....
1917	97	128	125	.....	.....	.....	.....	.....	.....	.....	.....	.....

No. 178.—MINING AND METALLURGICAL INDUSTRIES: NUMBER OF MEN EMPLOYED, CALENDAR YEARS 1915 AND 1916.

[Source: Bureau of Mines, Department of the Interior.]

Industry.	1915	1916	Industry.	1915	1916
Coal mines	734,008	720,971	Ore-dressing plants	18,564	22,365
Coke ovens	31,060	31,603	Quarries	100,740	90,797
Metal mines	152,118	[2]205,000			
Smelting plants[1]	31,327	49,363	Total	1,067,817	1,120,099

[1] Excluding iron and steel furnaces.
[2] Figures subject to revision.

INTERNAL COMMUNICATION AND TRANSPORTATION.

No. 179.—PUBLIC ROADS: Mileage of Roads and Number of Bridges Built by State or State Aid, Mileage of Roads Maintained with State Aid, 1916, and Mileage of All State and State-Aid Roads Built, with Mileage of Public Rural Roads, Jan. 1, 1917, by States.

[Source: Circular No. 74 of the Division of Road Economics, Office of Public Roads and Rural Engineering, Department of Agriculture.]

State.	Work done in 1916 under State supervision.			Total all State and State-aid roads built to Jan. 1, 1917.	Mileage of rural public roads.		
	State and State-aid roads built in 1916.	Roads maintained with State aid in 1916.	Bridges built by State or State aid in 1916.		Total all surfaced roads in State (approximate).	Total all public rural roads in State.	Percentage of surfaced roads in State.
	Miles.	*Miles.*		*Miles.*	*Miles.*	*Miles.*	
Alabama	[1] 82		4	659	6,000	55,446	10.8
Arizona	70	214	(2)	372	375	12,075	3.1
Arkansas	[3] 380			534	1,500	50,743	3.0
California	256	1,153		1,907	12,300	61,039	20.2
Colorado	[4] 2,105	2,603	170	[5] 7,305	1,800	39,780	4.6
Connecticut	[6] 56	1,432	9	[7] 1,627	3,100	14,061	22.0
Delaware	6			160	275	3,674	8.0
Florida					3,500	17,995	19.4
Georgia					13,000	80,669	15.3
Idaho	[8] 120	380	60	413	800	24,396	3.3
Illinois	[9] 299	278	449	767	12,400	95,647	13.0
Indiana					31,000	73,347	42.5
Iowa					1,000	104,074	1.0
Kansas					1,400	111,052	1.3
Kentucky	[10] 811			1,611	13,400	57,916	23.2
Louisiana	[11] 160	355		752	2,400	24,563	9.8
Maine	[12] 229	3,402	11	1,798	3,250	23,537	13.8
Maryland	95	1,450	12	1,221	2,900	16,459	17.6
Massachusetts	[13] 192	1,100	(14)	1,998	8,900	18,681	47.6
Michigan	743	3,000	19	3,940	9,600	74,190	13.0
Minnesota	[15] 3,769	12,704	[16] 192	10,011	6,500	93,517	7.0
Mississippi					2,600	45,779	5.7
Missouri	(14)	9,000		(14)	7,250	96,041	7.6
Montana	30		127	30	800	39,204	2.0
Nebraska			7		1,350	80,272	1.7
Nevada					320	12,182	2.6
New Hampshire	104	1,150	3	1,280	1,900	14,020	13.5
New Jersey	70	2,429	14	2,054	6,000	14,817	40.5
New Mexico	[17] 315		74	846	550	11,873	4.6
New York	515	6,500		6,765	18,000	79,398	22.7
North Carolina					6,750	50,758	13.3
North Dakota					1,100	68,796	1.6
Ohio	371	1,445	227	1,299	31,500	86,354	36.5
Oklahoma	1,900	[18] 7,000	[19] 2,100	1,900	300	107,916	.3
Oregon	39		22	413	4,875	36,819	13.2
Pennsylvania	[20] 248	9,171	24	1,988	10,500	91,556	11.4
Rhode Island		305	4	325	750	2,170	34.5
South Carolina					3,700	42,226	8.8
South Dakota					750	96,306	.8
Tennessee	150	500	7	150	8,750	46,050	18.9
Texas					12,000	128,960	9.3
Utah	[21] 586	3,440	[22] 36	3,440	1,500	8,810	17.1
Vermont	180	4,200	67	2,011	2,100	14,249	14.9
Virginia	[23] 700		67	4,463	5,500	53,388	10.3
Washington	[24] 420	2,100		1,977	5,900	42,428	13.9
West Virginia					1,532	32,024	4.7
Wisconsin	[25] 1,159		[19] 785	5,070	14,850	75,707	19.6
Wyoming					520	14,797	3.5
Total and averages	16,160	75,311	4,490	69,186	287,047	2,455,761	11.6

[1] Includes 14 miles of earth roads.
[2] 847 linear feet of bridges.
[3] Only engineering and supervision furnished by State. Includes 70 miles of earth roads.
[4] Includes 1,810 miles of earth roads.
[5] Includes about 6,300 miles of earth roads.
[6] Includes 25 miles of reconstruction.
[7] Includes 195 miles of reconstruction.
[8] Includes 106 miles of earth roads.
[9] Includes 56 miles of earth roads.
[10] Includes 275 miles of reconstruction and 70 miles of earth roads.
[11] Includes 64 miles of earth roads.
[12] Includes 11 miles of earth roads
[13] Includes 52 miles of reconstruction.
[14] No data.
[15] Includes 2,186 miles of earth roads.
[16] Also 2,330 culverts.
[17] Includes 181 miles of earth roads.
[18] All earth roads.
[19] Includes culverts.
[20] Includes 224 miles of resurfacing.
[21] Includes 428 miles of grading.
[22] Also 922 culverts.
[23] Includes 99 miles of earth roads.
[24] Includes 110 miles of earth roads.
[25] Includes 486 miles of grading.

No. 180.—PUBLIC ROADS: Sources of Funds and Distribution of Expenditures Under Specified Heads, With Local Road and Bridge Expenditures not Under Highway Departments, 1916, and State Funds Available, 1917, by States.

[Source: Circular No. 74 of the Division of Road Economics, Office of Public Roads and Rural Engineering, Department of Agriculture.]

State.	Source of funds.			Distribution of expenditures.						State funds available 1917.	Local road and bridge expenditures, 1916, not under State highway department (approximate).
	State.	Local.	Total.	Construction of roads.	Construction of bridges.	Maintenance roads and bridges.	Engineering.	Administration.	Equipment and miscellaneous.		
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Alabama	102,422	83,962	186,384	157,257	12,747		7,150	9,230		200,000	4,000,000
Arizona	441,202		441,202	246,366	114,549	28,130	26,976	14,712	10,469	600,000	1,547,019
Arkansas	55,483	[1] 1,683,549	1,739,032	1,683,549	(2)		30,894	24,589		300,000	1,704,855
California [3]	4,285,964		4,285,964	2,766,910		1,033,564	298,153	(4)	187,337	6,000,000	16,106,470
Colorado	607,628	662,829	1,270,457	851,970	[5] 245,610	126,110	(6)	46,767		750,000	1,042,751
Connecticut	1,865,948	85,000	1,950,948	377,574	151,469	1,315,028	79,713	19,756	7,407	2,000,000	1,250,000
Delaware	31,000	31,000	62,000	60,000				2,000		200,000	450,000
Florida [7]	10,484		10,484				3,637	5,519	1,328	20,000	4,000,000
Georgia [8]										(8)	3,750,000
Idaho	100,057	348,061	448,118	281,956	92,072	27,534	33,976	6,080	6,500	750,000	1,500,000
Illinois	1,119,202	1,593,953	2,713,155	1,830,855	587,336	33,763	171,826	53,620	35,755	1,500,000	7,643,515
Indiana [9]										400,000	13,500,000
Iowa [10]	90,821		90,821				90,821	(4)		200,000	14,337,056
Kansas [7]	10,000		10,000				(6)	10,000		(8)	5,600,000
Kentucky	708,346	1,740,187	2,448,533	2,357,721	(2)		64,292	26,540		750,000	2,000,000
Louisiana	184,533	274,111	458,643	401,599		14,768	21,828	18,803	1,646	200,000	3,000,000
Maine	1,055,250	453,518	1,508,768	1,034,340	80,519	292,406	62,197	37,402	1,905	1,000,000	1,658,447
Maryland	2,280,000	280,000	2,560,000	1,500,000	300,000	650,000	70,000	30,000	10,000	1,500,000	3,000,000
Massachusetts	2,701,236	447,905	3,149,141	1,620,647		1,212,041	200,422	57,485	58,546	3,950,000	3,350,000
Michigan	982,939	2,350,000	3,332,939	3,100,000	[11] 101,176	[12] 32,169	56,738	30,849	12,007	1,500,000	6,750,000
Minnesota	1,390,525	3,376,550	4,767,075	2,865,381	[5] 891,353	793,254	217,088	(4)		1,500,000	3,975,192
Mississippi [7]	6,500		6,500				(6)	6,500		10,000	3,250,000
Missouri	482,860	(8)	482,860	279,548		193,276		10,085		700,000	7,500,000
Montana [7]	26,150		26,150				6,539	13,539	6,023	150,000	3,449,419
Nebraska	110,000	90,000	200,000		180,000		6,500	13,500		500,000	4,300,000
Nevada [9]										140,000	275,000
New Hampshire	414,669	430,742	845,411	481,512	24,473	284,224	30,853	21,039	3,300	450,000	1,200,000

New Jersey	1,167,843	2,616,511	3,784,354	673,845	256,350	2,449,153	150,000	130,000	125,000	2,000,000	2,000,000
New Mexico [13]	385,684	43,267	428,951	398,952	(2)		20,000	10,000		400,000	400,000
New York	9,409,655	2,441,225	11,850,880	6,025,944		4,252,397	1,257,666	247,358	67,515	12,000,000	[14] 8,050,510
North Carolina [7]	10,000		10,000				(6)	10,000		10,000	5,500,000
North Dakota [7]										200,000	2,711,295
Ohio	2,885,071	3,107,554	5,992,625	4,836,404		748,778	266,464	137,741	3,248	3,800,000	7,000,000
Oklahoma	300,000	1,825,000	2,125,000	936,000	650,000	330,000	68,000	6,000	135,000	300,000	1,500,000
Oregon	165,662	290,000	455,662	151,091	290,000		7,327	7,244		500,000	5,500,000
Pennsylvania	3,663,352	322,040	[15] 3,985,392	478,445	53,951	2,907,498	193,817	199,823	[16] 151,880	8,000,000	7,000,000
Rhode Island	543,152		543,152		57,199	439,052	37,503	6,430	2,968	700,000	400,000
South Carolina [9]										30,000	1,250,000
South Dakota [7]										(8)	2,708,000
Tennessee	200,000	400,000	600,000	350,000	25,000	170,000	30,000	25,000		750,000	4,000,000
Texas [9]										500,000	10,500,000
Utah	179,400	725,760	905,160	607,700	88,130	96,310	(17)	11,300	101,720	500,000	950,000
Vermont	632,800	250,000	882,800	454,200	44,000	340,000	9,600	35,000		500,000	725,000
Virginia	542,524	1,348,725	1,891,249	1,586,874	153,679	[18] 48,922	69,638	22,136		800,000	1,800,000
Washington	850,672	2,104,340	2,964,013	2,442,153	(2)	424,529	67,037	30,288		2,000,000	4,554,330
West Virginia	10,967		10,967				(6)	10,967		200,000	5,500,000
Wisconsin	950,000	4,120,764	5,070,764	3,631,026	1,004,738	210,000	(6)	225,000		1,500,000	5,500,000
Wyoming [9]										50,000	450,000
Total and average	40,969,001	33,526,553	74,495,554	44,469,824	[19] 5,414,331	18,452,861	[19] 3,656,705	[19] 1,572,292	929,554	60,010,000	198,138,859

[1] Local bond issues by highway districts.
[2] Included under roads.
[3] Does not include $168,026 expended by the State department of engineering in improving 72 miles and maintaining 561 miles of mountain road.
[4] Included under engineering.
[5] Includes culverts.
[6] Engineering included under administration.
[7] State highway department educational and advisory.
[8] No data.
[9] State highway department established in 1917.
[10] General supervision of all highway work.
[11] On trunk line roads only.
[12] State reward funds to counties.
[13] Approximate, exact data not available.
[14] Includes $1,990,575 State aid to towns.
[15] Does not include $712,500.93 paid as cash bonus to second-class townships.
[16] Includes $80,246.90 paid for purchase of toll roads.
[17] Included under construction.
[18] Includes $13,592.37 for 14.77 miles of surface treatment.
[19] Partial totals.

No. 181.—PUBLIC ROADS: YEAR OF PASSAGE OF FIRST STATE-AID LAW, STATE FUNDS EXPENDED UNDER STATE HIGHWAY DEPARTMENTS AND TOTAL CASH EXPENDITURES, 1904, 1913, AND 1916, AND TOTAL STATE FUNDS EXPENDED FOR ROAD WORK FROM PASSAGE OF LAW TO JAN. 1, 1917, BY STATES.

[Source: Circular No. 74 of the Division of Road Economics, Office of Public Roads and Rural Engineering, Department of Agriculture.]

State.	Year in which first State-aid law passed.	State funds expended by or under State highway department.			Total cash expenditures from all sources.			Total State funds expended for road work from passage of law to Jan. 1, 1917.
		1904	1913	1916	1904	1913	1916	
		Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Alabama	1911	.....	127,005	102,422	378,040	2,960,753	1,186,384	688,827
Arizona	1909	.....	274,631	441,202	67,591	675,000	1,988,221	1,480,590
Arkansas	1913	.....	25,000	55,483	681,934	1,611,000	3,443,887	220,483
California	1895	11,251	2,032,084	4,285,964	2,157,396	11,934,244	20,392,434	20,857,056
Colorado	1909	.....	473,246	607,628	635,395	1,943,000	2,313,208	1,632,379
Connecticut	1895	219,165	3,483,575	1,865,948	1,195,125	4,734,000	3,200,948	18,395,527
Delaware	1903	14,000	31,000	31,000	90,803	370,480	512,000	255,695
Florida	1915	.....	.....	10,484	437,184	2,500,000	4,010,484	11,619
Georgia	[1] 1908	.....	.....	.....	894,936	2,900,000	3,750,000	.....
Idaho	1905	.....	68,000	100,057	201,648	1,000,000	1,948,118	672,869
Illinois	1905	.....	100,000	1,119,202	3,844,424	6,600,000	10,356,669	2,805,829
Indiana	.....	.....	.....	.....	*3,438,389*	*9,750,000*	*13,500,000*	.....
Iowa	1904	.....	53,000	90,821	2,344,107	8,053,000	14,427,877	346,756
Kansas	1911	.....	9,500	10,000	692,823	5,164,860	5,610,000	40,000
Kentucky	1912	.....	15,000	708,346	1,161,194	1,948,000	4,448,533	1,325,001
Louisiana	1910	.....	111,000	184,533	345,452	2,258,000	3,458,643	790,860
Maine	1901	44,885	563,541	1,055,250	1,472,393	2,046,284	3,167,215	6,920,459
Maryland	1898	.....	1,589,253	2,280,000	873,471	3,089,253	5,560,000	19,863,142
Massachusetts	1892	575,666	2,266,068	2,701,236	2,871,222	5,566,068	6,499,141	21,701,228
Michigan	1905	.....	355,757	982,939	1,816,504	6,310,757	10,082,939	4,165,640
Minnesota	1905	.....	503,186	1,390,525	1,607,417	4,003,186	8,742,278	5,678,699
Mississippi	1915	.....	.....	6,500	339,669	2,000,000	3,256,500	6,500
Missouri	1907	.....	408,192	482,860	1,570,801	6,058,708	7,982,860	2,274,032
Montana	1913	.....	2,484	26,150	308,744	1,813,000	3,475,569	60,496
Nebraska	1911	.....	52,428	110,000	494,886	*2,313,616*	*4,500,000*	*487,850*
Nevada	1911	.....	.....	.....	46,876	174,177	275,000	20,000
New Hampshire	1903	44,000	475,449	414,669	872,606	1,475,449	2,045,410	3,674,458
New Jersey	1891	250,000	1,131,891	1,167,843	3,274,811	4,131,891	5,784,354	9,523,419
New Mexico	1909	.....	121,631	385,684	35,458	424,544	828,952	1,048,639
New York	1898	1,056,460	13,820,934	9,409,655	3,937,729	20,759,628	19,901,391	106,032,153
North Carolina	1901	.....	5,000	10,000	624,381	2,338,942	5,510,000	48,500
North Dakota	1909	.....	.....	.....	456,130	1,023,569	2,711,295	.....
Ohio	1904	.....	738,174	2,885,071	4,776,318	11,642,940	12,992,625	14,558,900
Oklahoma	1911	.....	5,000	300,000	447,320	3,379,180	3,625,000	330,323
Oregon	1913	.....	5,008	165,662	649,718	3,260,000	5,955,662	584,637
Pennsylvania	1903	127,767	4,606,232	3,663,352	4,887,266	10,471,000	10,985,392	34,464,563
Rhode Island	1902	79,397	715,664	543,152	376,812	997,440	943,152	4,450,936
South Carolina	.....	.....	.....	.....	334,082	*1,000,000*	*1,250,000*	.....
South Dakota	1911	.....	.....	.....	268,723	1,250,000	2,708,000	.....
Tennessee	1915	.....	.....	200,000	629,141	2,000,000	4,600,000	203,500
Texas	.....	.....	.....	.....	2,543,613	7,269,592	10,500,000	.....
Utah	1909	.....	97,000	179,400	158,286	*597,000*	*1,855,160*	989,132
Vermont	1898	127,381	505,000	632,800	567,397	1,181,039	1,607,800	4,304,364
Virginia	1906	.....	368,206	542,524	687,751	2,664,311	3,691,249	3,256,074
Washington	1905	.....	1,383,770	859,672	1,344,842	5,443,280	7,518,343	8,412,461
West Virginia	1909	.....	3,500	10,967	587,870	1,045,853	5,510,967	[2] 141,945
Wisconsin	1911	.....	903,000	950,000	1,924,026	7,000,000	10,570,764	5,169,001
Wyoming	1911	.....	8,763	.....	74,476	374,149	450,000	43,237
Total	.....	2,549,912	37,438,172	40,969,001	59,427,180	187,524,193	272,634,424	307,937,838

[1] Provides for convict-labor aid only.
[2] Of this $118,000 was returned to the counties in 1911 by act of legislature.

No. 182.—MOTOR CARS: REGISTRATIONS, NUMBER OF, AND TOTAL GROSS REVENUES, 1914, 1915, AND 1916, BY STATES.

[Source: Bulletin 73 of the Division of Road Economics, Office of Public Roads and Rural Engineering, Department of Agriculture.]

	Motor-car registrations.[1]			Total gross revenues.		
	1914	1915	1916	1914	1915	1916
	Number.	*Number.*	*Number.*	*Dollars.*	*Dollars.*	*Dollars.*
Alabama	8,672	11,634	21,636	113,202	180,744	203,655
Arizona	5,040	7,753	12,300	34,077	45,579	73,099
Arkansas	5,642	8,021	15,000	56,420	80,551	150,000
California	123,504	163,797	232,440	1,338,785	2,027,432	2,192,699
Colorado	17,756	28,894	43,296	80,047	120,801	197,795
Connecticut	27,786	41,121	56,048	406,623	536,970	768,728
Delaware	3,050	5,052	7,102	35,672	55,596	85,249
District of Columbia	4,833	8,009	13,118	20,147	29,396	47,624
Florida	[2] 3,368	[3] 10,850	20,718	[2] 6,736	[3] 60,000	127,176
Georgia	20,915	25,000	46,025	104,575	125,000	154,735
Idaho	3,346	7,071	12,999	58,580	121,259	213,758
Illinois	131,140	180,832	248,429	699,725	924,906	1,236,566
Indiana	66,500	96,915	139,065	432,309	587,318	817,285
Iowa	106,087	145,109	198,587	1,040,136	1,533,054	1,776,179
Kansas	49,374	72,520	112,122	268,471	387,588	595,762
Kentucky	11,766	19,500	31,500	85,883	117,117	184,741
Louisiana	[3] 12,000	11,380	17,000	[3] 12,000	75,600	112,000
Maine	15,790	21,545	30,972	192,542	268,412	363,562
Maryland	20,213	31,047	44,245	268,231	386,565	565,302
Massachusetts	77,246	102,633	136,809	923,961	1,235,724	1,602,958
Michigan	76,389	114,845	160,052	(4)	373,833	1,739,344
Minnesota	67,862	93,269	[5] 46,000	132,398	[3] 160,540	82,469
Mississippi	5,694	9,609	25,000	51,146	76,700	175,000
Missouri	54,468	76,462	103,587	235,873	[3] 323,289	439,315
Montana	10,200	14,540	25,105	27,090	33,120	52,768
Nebraska	16,385	59,000	101,200	34,325	[3] 183,000	311,334
Nevada	1,487	2,009	4,919	4,331	7,875	20,116
New Hampshire	9,571	13,449	17,508	185,288	257,776	344,434
New Jersey	62,961	81,848	109,414	814,536	1,062,923	1,406,806
New Mexico	3,090	5,100	8,228	19,663	29,625	47,365
New York	168,223	255,242	314,222	1,529,852	1,991,131	2,658,042
North Carolina	14,677	21,000	33,904	89,580	123,000	206,101
North Dakota	17,347	24,903	40,416	55,964	79,245	125,283
Ohio	122,504	181,332	252,431	685,457	984,622	1,286,405
Oklahoma	13,500	25,032	52,718	13,500	154,892	555,011
Oregon	16,447	23,585	33,917	77,592	108,881	146,232
Pennsylvania	112,854	160,137	230,578	1,185,039	1,665,276	2,325,057
Rhode Island	12,331	16,362	21,406	157,020	206,440	264,737
South Carolina [2]	14,000	15,000	[6] 25,000	14,000	15,000	10,000
South Dakota	20,920	28,724	44,271	125,000	[3] 180,000	140,746
Tennessee	[7] 19,769	[8] 7,618	[3] 30,000	39,538	[3] 34,000	186,953
Texas [2]	40,000	40,000	[6] 125,000	20,000	20,000	20,000
Utah	2,253	9,177	13,507	4,852	[3] 60,000	93,494
Vermont	8,475	11,499	15,671	154,267	218,480	297,092
Virginia	13,984	21,357	35,426	120,814	176,875	271,266
Washington	30,253	38,823	60,734	60,506	238,717	350,052
West Virginia	6,159	13,279	20,571	60,648	128,952	198,436
Wisconsin	53,161	79,741	115,645	293,580	431,977	615,721
Wyoming	2,428	3,976	7,125	12,140	19,880	35,625
Total	1,711,339	2,445,664	3,512,996	12,381,951	18,245,711	25,865,370

[1] Does not include motorcycles nor dealers' and manufacturers' licenses.
[2] State registrations only.
[3] Estimated.
[4] Registration law declared unconstitutional.
[5] Cars registered during 1916; total number of cars approximately 138,000.
[6] Estimated number of cars in State.
[7] Total cars registered under perennial system.
[8] Registrations 1915 only.

No. 183.—MOTOR VEHICLES: Registration and Licenses, Number of, Revenues Under Specified Heads, Fines and Penalties Turned Into State Road Funds, Total Registration and License Revenues, Average Return per Registration, and Population per Motor Car and Motor Cars per Mile of Public Rural Road, 1916, by States.

[Source: Circular No. 73 of the Division of Road Economics, Office of Public Roads and Rural Engineering, Department of Agriculture.]

State.	Automobiles.	Motor-trucks and commercial vehicles.	Motorcycles.	Owners' and chauffeurs' licenses.	Manufacturers' and dealers' licenses.	Motor-vehicle fines and penalties turned into State road fund.	Total gross motor-vehicle registration and license revenues.	Motor-vehicle revenues available for road work.		Average gross revenue return per motor-car registration.	Population per motor car.	Motor cars per mile of public rural road.
								By or under State highway department.	Under direction of local authorities.			
	Number.	*Number.*	*Number.*	*Number.*	*Number.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Alabama	17,745	3,891	1,398	1,500	105		203,655.00			9.41	108	0.4
Arizona [1]	11,600	700	1,200	750			73,000.00	73,000.00		5.93	21	1.0
Arkansas	15,000	(2)	(3)	(4)			150,000.00	75,000.00	75,000.00	10.00	116	.3
California	232,440	(2)	30,994	14,730	1,781		2,192,699.24	964,784.66	964,784.65	9.43	12	3.8
Colorado	43,296	(2)	4,731	6,754	1,575	63.00	197,794.75	90,250.33	90,250.33	4.56	22	.9
Connecticut	48,289	7,759	4,900	71,980	401	15,360.87	768,727.91	768,727.91		13.71	22	4.0
Delaware	7,102	(2)	694	8,060	418		85,249.00			12.00	30	1.9
District of Columbia	12,218	900	921	10,833			47,624.00			3.63	27	
Florida	20,718	(2)	700	(4)			127,176.00	18,815.00	105,493.00	6.02	43	1.1
Georgia	46,025	(2)	1,852	3,653			154,735.30		106,928.75	3.36	62	.6
Idaho	12,999	(2)	754	1,094	284	10.75	213,758.00	53,439.50	160,319.50	16.52	33	.5
Illinois	248,429	(2)	14,931	33,022	2,871		1,236,566.35	1,236,566.35		4.97	25	2.6
Indiana	139,065	(2)	10,670	3,920	960		817,284.50		796,906.00	5.87	20	1.9
Iowa	198,587	(2)	6,022	(5)	2,774		1,776,170.05	88,808.50	1,598,553.00	8.94	11	1.9
Kansas	112,122	(2)	7,211	(5)	2,245		585,762.00		543,248.00	5.22	16	1.0
Kentucky	31,500	(2)	1,590	1,814			184,740.74	161,674.70		5.86	75	.5
Louisiana [1]	16,200	800	900	(5)	200		112,000.00		100,000.00	6.60	107	.7
Maine	28,981	1,991	1,284	34,834	351		363,562.25	363,562.25		11.73	25	1.3
Maryland	39,419	4,826	5,115	27,113	1,755	16,466.81	565,302.39	509,471.17		12.77	31	2.7
Massachusetts	118,455	18,354	10,713	171,596	1,977	52,999.14	1,602,958.20	1,449,038.43		11.70	27	7.3
Michigan	148,635	11,417	8,951	11,282	682		1,739,343.62	931,741.61	805,602.01	10.86	19	2.1
Minnesota	[6] 46,000	(2)	2,200	4,100	430		82,469.00	65,662.00		1.79	49	.5
Mississippi [1]	24,000	1,000	800	(5)			175,000.00		125,000.00	7.00	78	.5
Missouri	103,587	(2)	4,278	9,938	1,251		439,315.00	439,315.00		4.24	33	1.1
Montana	24,580	525	695	23,699	293		52,768.00	49,603.00		2.10	18	.6
Nebraska	101,200	(1)	3,867	(2)			311,334.00		275,000.00	3.07	13	1.2
Nevada	4,672	247	200	(2)			20,115.50			4.01	22	.4

New Hampshire	17,508	(2)	1,919	22,017	189	3,974.82	344,434.10	344,434.10		19.67	25	1.2
New Jersey	104,341	5,073	12,209	137,855	914	41,161.00	1,406,806.06	1,377,741.90		12.86	27	7.3
New Mexico	8,228	(2)	364	(5)	128		47,864.78	20,477.83	20,477.83	5.82	50	.7
New York	279,119	35,103	25,842	105,847	2,496		2,658,041.75	2,208,369.06	226,702.12	8.45	32	4.0
North Carolina	33,904	(2)	1,750	(5)	346		206,101.15		164,880.92	6.02	71	.7
North Dakota	40,446	(2)	1,315	(5)			125,283.00		112,337.09	3.12	18	.6
Ohio	252,431	(4)	21,933	(5)	3,084		1,286,404.50	1,174,713.50		5.05	20	2.9
Oklahoma	52,718	(2)	2,058	(5)	1,405		555,011.45	488,787.45		10.53	42	.5
Oregon	33,917	(2)	3,368	4,019	278		146,232.00		119,987.45	4.31	24	.9
Pennsylvania	218,846	11,732	21,439	127,018	6,658		2,325,057.50	2,325,057.50		10.08	37	2.5
Rhode Island	18,551	2,855	1,330	29,169	88	8,640.00	264,737.00	248,737.00		12.36	28	9.8
South Carolina [1]	[7] 25,000	(2)	1,000	(5)			10,000.00			1.00	65	.6
South Dakota	44,271	(2)	1,819	(5)	859		140,746.00		120,000.00	3.18	13	.5
Tennessee [1]	30,000	(2)	1,800	(5)	100		186,952.76	18,695.28	168,257.48	6.23	76	.7
Texas [1]	[7] 125,000	(2)	5,000	(5)			20,000.00			.50	35	.9
Utah	13,507	(2)	1,423	929	130		93,494.00	87,612.23		6.92	32	1.5
Vermont	14,943	728	725	19,727	155		297,992.43	277,992.43		19.02	23	1.1
Virginia	35,426	(2)	1,927	3,000	322		271,266.38	262,438.18		7.66	62	.7
Washington	53,953	6,781	6,170	(5)	1,812		350,052.00		350,052.00	5.76	25	1.4
West Virginia	20,571	(2)	(3)	314			198,436.09			9.64	67	.6
Wisconsin	111,645	4,000	8,958	(5)	1,958		615,721.00	147,003.00	441,011.00	5.33	22	1.5
Wyoming	7,125	(2)	(3)	(5)			35,625.00		28,500.00	5.00	25	.5
Total	3,394,314	[8] 118,682	250,820	890,567	[8] 41,275	138,676.39	25,865,369.75	16,411,519.87	7,499,291.13	7.36	29	1.4

[1] Approximate; exact data not obtainable.
[2] Included under automobiles.
[3] Registration not required.
[4] No data.
[5] License not required.
[6] Registrations 1916; total number of cars approximately 138,000.
[7] No State registration; estimated number of cars in State.
[8] Partial totals.

No. 184.—POST OFFICES AND POST ROUTES: NUMBER OF POST OFFICES, EXTENT OF POST ROUTES, AND REVENUE AND EXPENDITURES OF THE POST OFFICE DEPARTMENT, INCLUDING AMOUNTS PAID FOR TRANSPORTATION OF THE MAILS, 1879 TO 1917.

[Source: Annual reports of the Postmaster General.]

Year ended June 30—	Post offices.	Extent of post routes.	Revenue of the department.	Expended for transportation of—		Total expenditure of the department.
				Domestic mail.	Foreign mail.	
	Number.	*Miles.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
1879	40,588	316,711	30,041,983	18,953,219	200,026	33,449,899
1880	42,989	343,888	33,315,479	20,857,802	199,809	36,542,804
1881	44,512	344,006	36,785,398	22,812,429	240,067	39,592,566
1882	46,231	343,618	41,876,410	22,460,473	280,501	40,482,021
1883	46,820	353,166	45,508,693	23,874,394	316,358	43,282,944
1884	48,434	359,530	43,325,959	25,014,478	332,221	47,224,560
1885	51,252	365,251	42,560,844	27,035,543	331,903	50,046,235
1886	53,614	368,660	43,948,423	27,614,540	391,856	51,004,744
1887	55,157	373,142	48,837,609	27,892,646	402,523	53,006,194
1888	57,376	403,977	52,695,177	29,347,959	547,395	56,468,315
1889	58,999	416,159	56,175,511	32,361,697	541,212	62,317,119
1890	62,401	427,990	60,882,098	34,116,243	563,631	66,259,548
1891	64,329	439,027	65,931,786	37,547,405	620,937	73,059,519
1892	67,119	447,591	70,930,476	39,082,919	774,016	76,980,846
1893	68,403	453,833	75,896,933	41,179,555	1,097,867	81,581,681
1894	69,805	454,746	75,080,479	45,375,359	1,239,363	84,994,112
1895	70,064	456,026	76,983,128	46,336,326	1,173,561	87,179,551
1896	70,360	463,313	82,499,208	47,993,067	1,530,864	90,932,670
1897	71,022	470,032	82,665,463	48,028,094	1,890,099	94,077,242
1898	73,570	480,461	89,012,619	50,444,291	1,760,091	98,033,524
1899	75,000	496,949	95,021,384	52,027,901	1,769,851	101,632,161
1900	76,688	500,990	102,354,579	54,135,930	2,100,266	107,749,268
1901	76,945	511,808	111,631,193	56,002,576	2,148,635	115,554,921
1902	75,924	507,540	121,848,047	58,589,968	2,410,473	124,785,697
1903	74,169	506,268	134,224,443	62,606,015	2,580,700	138,784,438
1904	71,131	496,818	143,582,624	67,027,776	2,697,077	152,362,117
1905	68,131	486,805	152,826,485	69,927,689	2,828,703	167,399,169
1906	65,600	478,711	167,932,782	72,944,352	2,895,756	178,449,779
1907	62,659	463,406	183,585,006	77,471,917	2,988,849	190,238,288
1908	61,158	450,738	191,478,663	78,174,988	2,982,732	208,351,886
1909	60,144	448,618	203,562,383	80,901,899	2,804,170	221,004,102
1910	59,580	447,998	224,128,637	81,709,433	3,164,254	229,977,224
1911	59,239	435,388	237,879,823	85,130,742	3,204,599	237,648,926
1912	58,729	436,469	246,744,015	86,302,922	3,195,833	248,525,450
1913	58,020	436,293	266,619,525	88,451,168	3,691,879	262,067,541
1914	56,810	435,597	287,934,565	98,802,715	3,565,323	283,513,769
1915	56,380	433,334	287,248,165	104,972,630	3,074,875	298,546,026
1916	55,934	444,279	312,057,689	107,418,663	3,285,530	306,204,033
1917	55,418	479,487	329,726,116	111,522,255	3,155,433	319,838,718

No. 185.—RAILWAY MAIL SERVICE: RAILROAD MILEAGE UPON WHICH MAIL WAS CARRIED, ANNUAL COST AND AVERAGE COST PER MILE OF RAILROAD MAIL TRANSPORTATION, AND EXPENDITURE FOR RAILWAY MAIL SERVICE EMPLOYEES, 1879 TO 1917.

[Source: Annual reports of the Postmaster General.]

Year ended June 30—	Total railroads in operation in United States Dec. 31.[1]	Railroads upon which mail was carried.	Annual transportation of mail by railroads.	Railroad mail transportation.		Railway Mail Service.	
				Annual cost.	Average annual cost per mile.	Number of employees.	Annual expenditure.
	Miles.	*Miles.*	*Miles.*	*Dollars.*	*Dollars.*		*Dollars.*
1879	86,556	79,991	93,092,992	9,792,589	0.1051	2,609	2,624,890
1880	93,267	85,320	96,497,463	10,648,986	.1103	2,946	2,850,980
1881	103,108	91,569	103,521,229	11,963,117	.1155	3,177	3,103,801
1882	114,677	100,563	113,995,318	13,127,715	.1151	3,570	3,486,779
1883	121,422	110,208	129,198,641	13,887,800	.1075	3,855	3,972,071
1884	125,345	117,160	142,541,392	15,012,603	.1053	3,963	3,688,032
1885	128,320	121,032	151,910,845	16,627,988	.1095	4,387	4,246,210
1886	136,338	123,933	165,699,389	17,336,512	.1045	4,573	4,467,717
1887	149,214	130,949	169,689,866	18,056,272	.1064	4,851	4,694,562
1888	156,114	143,713	185,485,783	19,524,959	.1052	5,094	4,981,366
1889	161,276	150,381	204,192,489	21,639,613	.1059	5,448	5,250,838
1890	167,191	154,779	215,715,680	23,395,232	.1084	5,836	5,562,844
1891	172,035	159,518	228,719,900	25,183,714	.1101	6,032	5,904,381
1892	175,691	162,576	239,731,509	27,126,529	.1131	6,417	6,480,634
1893	179,834	166,952	252,750,574	28,910,195	.1143	6,645	6,733,410
1894	182,733	169,768	264,717,595	30,358,190	.1146	6,852	6,989,449
1895	184,628	171,212	267,117,737	31,205,342	.1168	7,045	7,194,220
1896	186,681	172,794	268,806,324	32,405,797	.1205	7,408	7,594,377
1897	188,844	173,475	273,190,356	33,876,521	.1240	7,602	7,782,547
1898	190,870	174,777	281,585,612	34,703,847	.1232	7,999	8,222,504
1899	194,336	176,727	287,591,269	36,117,875	.1256	8,388	8,610,732
1900	198,964	179,982	297,256,303	37,793,982	.1271	8,695	8,946,424
1901	202,288	183,359	302,613,325	38,519,624	.1273	9,105	9,679,037
1902	207,253	187,130	312,521,478	39,953,608	.1278	9,627	10,264,583
1903	213,422	192,852	333,491,684	41,886,848	.1256	10,418	11,250,042
1904	220,112	196,907	353,038,397	44,695,610	.1266	11,621	12,095,437
1905	225,196	200,965	362,645,731	45,576,515	.1256	12,474	13,304,994
1906	230,761	203,824	371,661,071	47,481,037	.1277	13,598	14,222,201
1907	236,949	207,237	387,557,165	51,008,111	.1316	14,357	15,248,601
1908[2]	240,846	213,220	407,799,039	49,404,763	.1211	15,295	17,479,504
1909	244,084	217,115	413,546,194	49,606,440	.1199	16,044	18,380,725
1910	249,992	220,730	426,923,109	49,302,217	.1154	16,795	19,420,349
1911	254,732	223,900	449,654,363	50,910,261	.1132	17,028	20,152,904
1912	258,033	226,071	458,648,624	50,703,323	.1105	18,261	20,876,963
1913	261,036	228,618	471,559,089	51,466,030	.1091	18,265	22,815,795
1914	263,547	231,398	481,443,001	55,480,560	.1152	20,311	26,107,052
1915	264,378	233,618	498,878,805	58,133,311	.1165	19,599	28,446,825
1916	266,031	234,175	502,937,359	61,244,668	.1292	19,318	28,804,947
1917	.....	[3] 261,500	[3] 571,611,960	[3] 58,866,198	.1029	18,976	29,234,597

[1] Data for years prior to 1890 are from Poor's Manual of Railroads and relate to calendar years; data from 1890 to date are from reports of the Interstate Commerce Commission and relate to fiscal years. No mileage included for Alaska.

[2] After 1907 excludes mileage of switching and terminal companies not previously segregated.

[3] Changes from preceding year are due principally to change from weight to space system, effective Nov. 1, 1916.

No. 186.—LAND TELEGRAPH SYSTEMS: COMPARATIVE SUMMARY, 1907 AND 1912.

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	1907	1912	Per cent of increase.[1]
Number of companies or systems	20	21	5.0
Miles of pole line	[2] 239,646	[2] 247,528	3.3
Miles of single wire owned and leased	1,577,961	[3] 1,814,196	15.0
Number of messages [4]	101,424,759	106,532,530	5.0
Number of telegraph offices	29,056	30,781	5.9
Income, total	$43,912,168	$56,293,469	28.2
Telegraph traffic	$37,916,907	$52,337,211	38.0
All other sources	$5,995,261	$3,956,258	—34.0
Net income	$5,675,181	[5] $3,431,044	—39.5
Expenses, total	$38,236,987	$52,862,425	38.2
General operation and maintenance, including salaries and wages and legal expenses	$31,852,359	[6] $42,771,823	34.3
Interest and taxes	$2,246,382	$2,740,827	22.0
All other expenses	$4,138,246	$7,349,775	77.6
Balance sheet:			
Assets, total	$166,183,007	$190,705,751	14.8
Construction and equipment	$132,607,620	$143,910,631	8.5
Stocks and bonds, including "other permanent investments"	$23,514,882	[7] $17,122,592	—27.2
Cash and current assets, including supplies and sundries	$10,060,505	[8] $29,672,528	194.9
Liabilities, total	$166,183,007	$190,705,751	14.8
Capital stock	$102,289,575	[9] $108,156,410	5.7
Funded debt	$37,204,000	$34,741,000	— 6.6
Reserves	$1,876,858	$5,254,329	180.0
Accounts payable [10]	$7,916,138	$18,295,683	131.1
Dividends, interest, and taxes due and accrued	.....	$1,460,733	.....
Sundries	$66,692	[11] $13,444,926	.....
Net surplus	$16,829,744	$9,352,670	—44.4
Capitalization:			
Capital stock outstanding, par value	$102,289,575	$108,156,410	5.7
Dividends on stock	$4,944,042	$3,139,861	—36.5
Funded debt	$37,204,000	$34,741,000	— 6.6
Employees and salaries and wages:			
Average number	26,827	[12] 35,639	32.8
Salaries and wages	$16,893,166	$23,797,980	40.9

[1] A minus sign (—) denotes decrease.
[2] Exclusive of pole line wholly owned and used by railway companies.
[3] Does not include 22,816 nautical miles of ocean cable operated by the Western Union Telegraph Co. Exclusive also of 314,329 miles of wire wholly owned and operated by railway companies for their own business.
[4] Does not include land messages sent over its 207 miles of leased land wire by a wireless company in 1912 nor ocean cable messages except those reported by the Western Union Telegraph Co.
[5] Less all expenses, including charges for depreciation.
[6] Includes charges for depreciation, which were not included in expenses in 1907.
[7] Includes treasury stock.
[8] Includes sinking fund and stock and bond discount.
[9] Includes assumed stock of subcompanies.
[10] Includes floating debt and cash investments (for unincorporated companies).
[11] Includes deferred noninterest-bearing obligations payable only on determination of leases and real estate mortgages.
[12] Number employed Sept. 16, 1912.

No. 187.—LAND TELEGRAPH SYSTEMS: REVENUE AND INCOME ACCOUNT, 1907 AND 1912.

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	1907	1912	Per cent of increase.[1]
	Dollars.	*Dollars.*	
Gross receipts from operation	37,916,907	52,337,211	38.0
Operating expenses	34,205,745	45,527,564	33.1
Net earnings from operation	3,711,162	6,809,647	83.5
Income from other sources	*5,995,261*	*3,956,258*	*—34.0*
Interest on bonds and dividends on stock of other companies	1,081,619	375,903	—65.2
Leased telegraph lines, wires, and conduits	4,430,245	2,419,065	—45.4
Real estate rentals	210,014	191,154	— 9.0
Miscellaneous [2]	273,383	970,136	254.9
Gross income less operating expenses	9,706,423	10,765,905	10.9
Deductions from income (fixed charges)	4,031,242	7,334,861	82.0
Taxes	753,378	1,132,234	50.3
Interest	1,493,004	1,608,593	7.7
Payments for use of leased lines	1,784,860	4,594,034	157.4
Net income	5,675,181	3,431,044	—39.5
Dividends on stock	4,944,042	3,139,861	—36.5
Surplus	731,139	291,183	—60.2

[1] A minus sign (—) denotes decrease. [2] Including interest.

No. 188.—LAND TELEGRAPH SYSTEMS: Operating Expenses, 1907 and 1912.

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	1907	1912	Per cent of increase.[1]
	Dollars.	*Dollars.*	
General operation and maintenance	31,852,359	42,771,823	34.3
Salaries and wages	16,893,166	23,797,980	40.9
Operation and maintenance, including legal expenses	14,959,193	15,269,031	2.1
Charges for depreciation	.....	3,704,812	.....
Rentals of offices and other real estate	1,596,456	2,247,311	40.8
Rentals of conduits and underground privileges	5,920	101,035	1,606.7
Payments for telegraph traffic made to other companies	667,501	228,907	−65.7
Miscellaneous	83,509	178,488	113.7

[1] A minus sign (—) denotes decrease.

No. 189.—OCEAN CABLE TELEGRAPH SYSTEMS: Comparative Summary, 1907 and 1912.

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	1907	1912	Per cent of increase.[1]
Number of companies or systems [2]	6	6	.....
Nautical miles of ocean cable [2]	40,572	44,860	10.6
Number of messages [2]	2,369,317	2,845,168	20.1
Number of cable offices [2]	54	83	53.7
Income, total	$7,671,700	$8,469,374	10.4
Telegraph traffic	$7,338,280	$8,065,798	9.9
All other sources	$333,420	$403,576	21.0
Net income	$4,029,074	$2,952,847	−26.7
Expenses, total	$3,642,626	$5,516,527	51.4
General operation and maintenance, including salaries and wages and legal expenses	$2,204,939	$4,008,218	81.8
Interest and taxes	$1,190,308	$1,214,554	2.0
All other expenses	$247,379	$293,755	18.7
Balance sheet:			
Assets, total	$95,624,892	$107,583,155	12.5
Construction and equipment	$77,438,339	$78,136,115	0.9
Stocks and bonds of other companies, treasury stock, and "other permanent investments"	$12,971,564	$16,811,087	29.6
Cash and current assets, including supplies [3]	$5,214,989	$12,635,953	142.3
Liabilities, total	$95,624,892	$107,583,155	12.5
Capital stock	$52,800,000	$55,489,400	5.1
Funded debt	$28,000,000	$28,000,000	.....
Reserves	$6,381,105	$15,549,451	143.7
Accounts payable	[4] $2,495,241	$1,459,797	−41.5
Dividends due and sundries	[5] $2,452,351	$587,229	139.5
Surplus	$3,496,195	$6,497,278	85.5
Capitalization:			
Capital stock outstanding, par value	$52,800,000	$55,489,400	5.1
Dividends on stock	$2,533,041	$3,040,200	20.0
Funded debt	$28,000,000	$28,000,000	.....
Employees and salaries and wages:			
Average number	1,207	[6] 1,656	37.2
Salaries and wages	$915,083	$1,167,014	27.5

[1] A minus sign (—) denotes decrease.
[2] Does not include returns for Western Union Telegraph Co., as no segregation could be made of financial statistics or employees for the cable business of this company. The number of nautical miles of ocean cable owned and leased by this company was, in 1912, 22,816 miles, and in 1907, 5,729 miles. The number of ocean messages reported by this company for 1912 was 2,996,112, and as estimated by it for 1907, 3,500,000.
[3] Includes sinking and other special funds and sundries for 1912 and sundries only for 1907.
[4] Includes floating debt.
[5] Includes interest due and accrued.
[6] Number employed Sept. 16, 1912.

No. 190.—LAND AND OCEAN TELEGRAPH SYSTEMS COMBINED: COMPARATIVE SUMMARY, 1902, 1907, AND 1912.

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	1902	1907	1912	Per cent of increase.[1]		
				1902–1907	1902–1912	1907–1912
Number of companies or systems	25	[2] 26	[2] 27	4.0	3.8	8.0
Miles of pole line	[3] 237,990	[3] 239,646	[3] 247,528	0.7	3.3	4.0
Miles of single wire owned and leased	[4] 1,318,350	[4] 1,577,961	[4] 1,814,196	19.7	15.0	37.6
Nautical miles of ocean cable	16,677	46,301	67,676	177.6	46.2	305.8
Number of messages	91,655,287	103,794,076	109,377,698	13.2	5.4	19.3
Number of telegraph offices	27,377	29,110	30,864	6.3	6.0	12.7
Income, total	$40,930,038	$51,583,868	$64,762,843	26.0	25.5	58.2
Telegraph traffic	$35,300,569	$45,255,187	$60,403,009	28.2	33.5	71.1
All other sources	$5,629,469	$6,328,681	$4,359,834	12.4	−31.1	−22.6
Net income	$9,982,004	$9,704,255	$6,383,891	−2.8	−34.2	−36.0
Expenses, total	$30,948,034	$41,879,613	$58,378,952	35.3	39.4	88.6
General operation and maintenance, including salaries and wages and legal expenses	$24,455,511	$34,057,298	[5] $46,780,041	39.3	37.4	91.3
Interest and taxes	$2,539,008	$3,436,690	$3,955,381	35.4	15.1	55.8
All other expenses	$3,953,515	$4,385,625	$7,643,530	10.9	74.3	93.3
Balance sheet:						
Assets, total	$195,503,775	$261,807,899	$298,288,906	33.9	13.9	52.6
Construction and equipment	$161,679,579	$210,045,959	$222,046,746	29.9	5.7	37.3
Stocks and bonds of other companies	$25,939,944	[6] $36,486,446	[6] $33,933,679	40.7	− 7.0	30.8
Cash and current assets, including supplies and sundries	$7,884,252	$15,275,494	[7] $42,308,481	93.7	177.0	436.6
Liabilities, total	$195,503,775	$261,807,899	$298,288,906	33.9	13.9	52.6
Capital stock	$117,053,525	$155,089,575	[8] $163,645,810	32.5	5.5	39.8
Funded debt	$45,893,000	$65,204,000	$62,741,000	42.1	− 3.8	36.7
Reserves	$7,859,648	$8,257,963	$20,803,780	5.1	151.9	164.7
Accounts payable[9]	$6,244,585	$10,411,379	$19,755,480	66.7	89.7	216.4
Dividends, interest, and taxes due and accrued, and sundries	$373,976	$2,519,043	[10] $15,492,888	573.6	515.0	4,042.7
Net surplus	$18,079,041	$20,325,939	$15,849,948	12.4	−22.0	−12.3
Capitalization:						
Capital stock outstanding, par value	$117,053,525	$155,089,575	$163,645,810	32.5	5.5	39.8
Dividends on stock	$6,256,693	$7,477,083	$6,180,061	19.5	−17.3	− 1.2
Funded debt outstanding, par value	$45,893,000	$65,204,000	$62,741,000	42.1	− 3.8	36.7
Employees and salaries and wages:						
Average number	27,627	28,034	[11] 37,295	1.5	33.0	35.0
Salaries and wages	$15,039,673	$17,808,249	$24,964,994	18.4	40.2	66.0

[1] A minus sign (−) denotes decrease.
[2] Commercial Cable Co. of Cuba (not reporting in 1902) counted as a separate company in both 1907 and 1912.
[3] Exclusive of pole line wholly owned and wholly operated by railway companies.
[4] Exclusive of wire wholly owned and wholly operated by railway companies; this in 1912 was 314,329 miles. In 1902 includes mileage operated outside of the United States by Western Union Telegraph Co.
[5] Includes charges for depreciation.
[6] Includes treasury stock and "other permanent investments."
[7] Includes sinking funds and stock and bond discount.
[8] Includes assumed stock of subcompanies.
[9] Includes floating debt and cash investments (for unincorporated companies).
[10] Includes deferred noninterest-bearing obligations payable only on determination of leases—not reported at previous censuses—and real estate mortgages.
[11] Number employed Sept. 16, 1912.

No. 191.—OCEAN CABLE TELEGRAPH SYSTEMS: REVENUE AND INCOME ACCOUNT, 1907 AND 1912.

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	1907	1912	Per cent of increase.[1]
	Dollars.	*Dollars.*	
Gross receipts from operation	7,338,280	8 065,798	9.9
Operating expenses	2,373,339	4,214,264	77.6
Net earnings from operation	4,964,941	3,851,534	−22.4
Income from other sources	333 420	403,576	21.0
Gross income less operating expenses	5,298,361	4,255,110	−19.7
Deductions from income (fixed charges)	1,269,287	1,302,263	2.6
Taxes	30,308	54,554	80.0
Interest	1,160,000	1,160,000	.....
Payments for use of leased lines	78,979	87,709	11.1
Net income	4,029,074	2,952,847	−26.7
Dividends on stock	2,533,041	3,040,200	20.0
Surplus	1,496,033	(2)	.....

[1] A minus sign (−) denotes decrease. [2] Deficit of $87,353.

No. 192.—OCEAN CABLE TELEGRAPH SYSTEMS: OPERATING EXPENSES, 1907 AND 1912.

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	1907	1912	Per cent of increase.
	Dollars.	*Dollars.*	
General operation and maintenance	2,204,939	4,008,218	81.8
Salaries and wages	915,083	1,167,014	27.5
Operation and maintenance, including legal expenses	1,289,856	2,841,204	120.3
Rentals of offices and other real estate	87,896	104,748	19.2
Miscellaneous[1]	80,504	101,298	25.8

[1] Includes also rentals of conduits and underground privileges and payments for telegraph traffic made to other companies.

No. 193.—WIRELESS TELEGRAPH SYSTEMS: COMPARATIVE SUMMARY, 1907 AND 1912.

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	1907	1912	Per cent of increase.[1]
Number of companies or systems	5	4	−20.0
Number of messages	154,617	[2] 285,091	84.4
Number of tower stations	117	74	−36.8
Income, total	$106,791	$669,158	526.6
Net income	.....	[3] $4,738	.....
Expenses, total	$160,329	$664,420	314.4
General operation and maintenance, including salaries and wages and legal expenses	$117,480	$588,712	401.1
Interest and taxes	$5,562	$7,826	40.7
All other expenses	$37,287	$67,882	82.1
Net deficit	$53,538	.....	.....
Balance sheet:			
Assets, total	$32,958,897	$10,377,197	−68.5
Construction and equipment	$317,614	$1,205,770	279.6
Cash and current assets, including supplies[4]	$32,196,456	$9,171,427	−71.5
Net deficit	$444,827	.....	.....
Liabilities, total	$32,958,897	$10,377,197	−68.5
Capital stock	$32,676,242	$9,602,570	−70.6
Floating debt and mortgages	$37,145	$18,483	−50.2
Accounts payable	$245,510	[5] $583,160	137.5
Net surplus	.....	$172,984	.....
Capitalization: Capital stock outstanding, par value	$32,676,242	$9,602,570	−70.6
Employees and salaries and wages:			
Average number	176	[6] 958	444.3
Salaries and wages	$81,771	$393,606	381.4

[1] A minus sign (−) denotes decrease.
[2] Includes 5,013 land messages sent over a leased land wire by a wireless company doing land telegraph business also.
[3] Less all expenses, including charges for depreciation.
[4] Includes stocks, bonds, and sundries.
[5] Includes reserves, cash investments, interest and taxes due and accrued, and sundries.
[6] Number employed Sept. 16, 1912. Includes, in some cases, number of operators on shipboard in addition to wages, receive board and quarters.

No. 194.—WESTERN UNION TELEGRAPH CO.: MILEAGE OF LINES AND WIRES, NUMBER OF OFFICES, AND TRAFFIC, 1870 TO 1916.

[Source: Annual reports of the Western Union Telegraph Co.]

Year ended June 30—	Miles of line.	Miles of wire.	Number of offices.	Number of messages sent.	Receipts.	Expenses.	Profits.	Average per message.	
								Toll.	Cost.
					Dollars.	*Dollars.*	*Dollars.*	*Cents.*	*Cents.*
1870....	54,109	112,191	3,972	9,157,646	7,138,738	4,910,772	2,227,966	75.5	51.2
1871....	56,032	121,151	4,606	10,646,077	7,637,449	5,104,787	2,532,662	69.5	45.7
1872....	62,033	137,190	5,237	12,444,499	8,457,096	5,666,863	2,790,233	66.2	43.8
1873....	65,757	154,472	5,740	14,456,832	9,333,019	6,575,056	2,757,963	62.5	43.4
1874....	71,585	175,735	6,188	16,329,256	9,262,654	6,755,734	2,506,920	54.9	39.5
1875....	72,833	179,496	6,565	17,153,710	9,564,575	6,335,415	3,229,158	54.0	35.2
1876....	73,532	183,832	7,072	18,729,567	10,034,984	6,635,474	3,399,510	50.9	33.5
1877....	76,955	194,323	7,500	21,158,941	9,812,353	6,672,225	3,140,128	43.6	29.8
1878....	81,002	206,202	8,014	23,918,894	9,861,355	6,309,813	3,551,543	38.9	25.0
1879....	82,987	211,566	8,534	25,070,106	10,960,640	6,160,200	4,800,440	38.6	25.2
1880....	85,645	233,534	9,077	29,215,509	12,782,895	6,948,957	5,833,938	38.5	25.4
1881....	110,340	327,171	10,737	32,500,000	14,393,544	8,485,264	5,908,280	38.4	25.6
1882....	131,060	374,368	12,068	38,842,247	17,114,166	9,996,096	7,118,070	38.2	25.8
1883....	144,294	432,726	12,917	41,181,177	19,454,903	11,794,553	7,660,350	38.0	26.0
1884....	145,037	450,571	13,761	42,076,226	19,632,940	13,022,504	6,610,436	36.5	25.2
1885....	147,500	462,283	14,184	42,096,583	17,706,834	12,005,910	5,700,924	32.1	24.9
1886....	151,832	489,607	15,142	43,289,807	16,298,639	12,378,783	3,919,855	31.3	23.4
1887....	156,814	524,641	15,658	47,394,530	17,191,910	13,154,629	4,037,281	30.4	23.0
1888....	171,375	616,248	17,241	51,463,955	19,711,164	14,640,592	5,070,572	31.2	23.2
1889....	178,754	647,697	18,470	54,108,326	20,783,194	14,565,153	6,218,041	31.2	22.4
1890....	183,917	678,997	19,382	55,878,762	22,387,029	15,074,304	7,312,725	32.4	22.7
1891....	187,981	715,591	20,098	59,148,343	23,034,327	16,428,742	6,605,585	32.5	23.2
1892....	189,576	739,105	20,700	62,387,298	23,706,405	16,307,857	7,398,548	31.6	22.3
1893....	189,936	769,201	21,078	66,591,858	24,978,443	17,482,406	7,496,037	31.2	22.7
1894....	190,303	790,792	21,166	58,632,237	21,852,655	16,060,170	5,792,485	30.5	23.3
1895....	189,714	802,651	21,360	58,307,315	22,218,019	16,076,630	6,141,389	30.7	23.3
1896....	189,918	826,929	21,725	58,760,444	22,612,736	16,714,756	5,897,980	30.9	24.0
1897....	190,614	841,002	21,769	58,151,684	22,638,859	16,906,656	5,732,203	30.5	24.3
1898....	189,847	874,420	22,210	62,173,749	23,915,733	17,825,582	6,090,151	30.1	24.7
1899....	189,856	904,633	22,285	61,398,157	23,954,312	18,085,579	5,868,733	30.8	25.1
1900....	192,705	933,153	22,900	63,167,783	24,758,570	18,593,206	6,165,364	30.8	25.1
1901....	193,589	972,766	23,238	65,657,049	26,354,151	19,668,903	6,685,248	30.9	25.1
1902....	196,115	1,029,984	23,567	69,374,883	28,073,095	20,780,766	7,292,329	31.0	25.7
1903....	196,517	1,089,212	23,120	[1] 69,790,866	29,167,687	20,953,215	8,214,472	31.4	25.6
1904....	199,350	1,155,405	23,458	[1] 67,903,973	29,249,390	21,361,915	7,887,475	31.7	26.1
1905....	200,224	1,184,557	23,814	[1] 67,477,320	29,033,635	21,845,570	7,188,065	31.6	27.3
1906....	202,959	1,256,147	24,323	[1] 71,487,082	30,675,655	23,605,072	7,070,583	31.6	27.6
1907....	205,646	1,321,199	24,760	[1] 74,804,551	32,856,406	26,532,196	6,324,210	33.7	30.2
1908....	208,477	1,359,430	23,853	[1] 62,371,287	28,582,212	25,179,215	3,402,997	33.7	34.3
1909....	211,513	1,382,500	24,321	[1] 68,053,439	30,541,073	23,193,966	7,347,107	34.1	28.5
1910....	214,360	1,429,049	24,825	[1] 75,135,405	33,889,202	26,614,302	7,274,900	35.2	30.2
1911....	219,219	1,487,345	24,926	[1] 77,780,732	37,158,989	30,053,632	7,105,357	[2] 38.8	[2] 33.1
1912....	235,807	1,532,161	25,392	[3] 90,000,000	42,987,807	36,063,836	6,923,971	.....	.....
1913....	238,033	1,558,181	[3] 26,000	.....	47,423,443	42,959,934	4,463,508	.....	.....
1913[4]...	237,807	1,562,170	25,060	.....	46,899,267	42,327,121	4,572,146	.....	.....
1914[4]...	240,231	1,609,346	25,784	.....	47,287,388	40,578,751	6,708,637	.....	.....
1915[4]...	238,940	1,610,709	25,142	.....	52,475,721	40,972,541	11,503,180	.....	.....
1916[4]..	237,664	1,627,342	25,234	.....	63,621,601	[5] 49,894,346	13,727,255	.....	.....

[1] Not including messages sent over leased wires or under railroad contracts.
[2] Figures derived from a study, but facilities such that accuracy can not be guaranteed.
[3] Estimated.
[4] Year ended Dec. 31.
[5] Includes special payment to employees, $1,166,424.50.

No. 195.—TELEPHONE SYSTEMS REPORTING AN ANNUAL INCOME OF $5,000 OR MORE: COMPARATIVE SUMMARY, 1907 AND 1912.[1]

[Source: Bulletin of the Bureau of the Census, Department of Commerce.]

	Bell Telephone System.		All other systems.		Total.	
	1907	1912	1907	1912	1907	1912
Number of systems	175	176	1,461	1,740	1,636	1,916
Miles of single wire	8,947,266	15,133,186	2,974,694	3,886,205	11,921,960	19,019,391
Miles of pole line	287,458	353,422	266,294	318,264	553,752	671,686
Number of public exchanges	5,418	5,853	5,195	5,662	10,613	11,515
Number of telephones	3,132,063	5,087,027	1,774,630	2,239,721	4,906,693	7,326,748
Estimated number of messages or talks	6,401,044,799	9,133,226,836	3,999,389,159	4,602,431,409	10,400,433,958	13,735,658,245
Income, total	$138,803,831	$206,130,830	$37,896,577	$48,950,404	$176,700,408	$255,081,234
Expenses, including taxes and fixed charges, total	$107,356,551	$163,024,105	$28,118,626	$40,730,804	$135,475,177	$203,754,909
Net income	$31,447,280	$43,106,725	$9,777,951	$8,219,600	$41,225,231	$51,326,325
Dividends	$20,201,937	$29,709,841	$3,246,275	$4,410,968	$23,448,212	$34,120,809
Assets, total	$623,036,358	$934,805,563	$317,321,640	$360,864,538	$940,357,998	$1,295,670,101
Cost of construction and equipment	$526,079,031	$780,017,745	$268,017,940	$301,415,482	$794,096,971	$1,081,433,227
Stocks and bonds and other permanent investments	$25,090,795	$72,629,170	$35,640,295	$31,925,497	$60,731,090	$104,554,667
Cash and current assets	$71,866,532	$82,158,648	$11,096,640	$14,459,607	$82,963,172	$96,618,255
Sundries, including stock and bond discount and sinking and other special funds			$2,566,765	$13,063,952	$2,566,765	$13,063,952
Liabilities, total	$623,036,358	$934,805,563	$317,321,640	$360,864,538	$940,357,998	$1,295,670,101
Capital stock	$294,578,646	$397,885,433	$162,210,079	$188,878,446	$456,788,725	$586,763,879
Funded debt	$197,071,800	$295,872,053	$104,261,689	$108,658,183	$301,333,489	$404,530,236
Real-estate mortgages, floating debt, and accounts payable	$50,825,741	$49,818,920	$23,562,762	$21,923,714	$74,388,503	$71,742,634
Cash investments			$2,583,833	$3,287,138	$2,583,833	$3,287,138
Interest, taxes, and dividends, due and accrued	$9,703,462	$14,405,707	$2,152,448	$3,115,184	$11,855,910	$17,520,891
Reserves	$36,168,979	$137,967,085	$2,822,879	$10,851,896	$38,991,858	$148,818,981
Sundries		$434,304	$6,210,884	$1,800,417	$6,210,884	$2,234,721
Net surplus	$34,687,730	$38,422,061	$13,517,066	$22,349,560	$48,204,796	$60,771,621
Salaried employees:						
Number	17,039	31,435	5,780	7,318	22,819	38,753
Salaries	$14,501,916	$27,004,837	$4,040,703	$5,676,645	$18,542,619	$32,681,482
Wage earners:						
Average number	78,772	[1] 110,468	30,079	[2] 34,140	108,851	[1] 144,608
Wages	$36,073,994	$49,896,524	$10,392,736	$13,462,535	$46,466,730	$63,359,059

[1] The census figures for the Bell system do not agree exactly with those contained in the annual reports of the directors of the company as given on the succeeding page, because the former include certain affiliated and controlled companies that were not covered in the annual reports.
[2] Number employed Sept. 16, 1912.

No. 196.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): COMPARATIVE STATISTICS, JAN. 1, 1912 TO JAN. 1, 1917.

[Source: The American Telephone & Telegraph Co.]

PLANT AND TRAFFIC.

	1912	1913	1914	1915	1916	1917
Central offices	5,014	5,182	5,245	5,289	5,300	5,397
Miles of underground wire	6,831,667	7,804,528	8,817,815	9,760,165	10,536,837	11,468,525
Miles of submarine wire	26,936	30,301	31,833	35,809	36,314	41,172
Miles of aerial wire	6,074,012	6,775,984	7,261,363	7,679,620	7,932,394	8,340,618
Total	12,932,615	14,610,813	16,111,011	17,475,594	18,505,545	19,850,315
Miles of exchange wire	10,872,101	12,421,650	13,777,470	15,037,897	16,052,062	17,167,405
Miles of toll wire	2,060,514	2,189,163	2,333,541	2,437,697	2,453,483	2,682,910
Total	12,932,615	14,610,813	16,111,011	17,475,594	18,505,545	19,850,315
Miles of phantom circuit	136,493	158,250	174,928	189,562	196,841	221,994
Telephones owned [1]	4,351,837	4,803,803	5,254,808	5,584,853	5,968,110	6,545,490
Connected telephones (owned by other companies)	2,280,788	2,652,271	2,878,209	3,064,140	3,183,111	3,301,702
Total	6,632,625	7,456,074	8,133,017	8,648,993	9,151,221	9,847,192
Employees	128,439	140,789	156,928	142,527	156,294	179,032
Exchange messages daily	23,483,770	25,572,345	26,431,024	27,049,225	[2] 25,183,799	28,530,073
Toll messages daily	644,918	737,823	806,137	798,949	819,030	889,860

REVENUE.[3]

	1911	1912	1913	1914	1915	1916
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Gross revenue	179,477,998	199,172,154	215,572,822	225,952,123	239,909,649	270,400,892
Expenses	127,891,701	142,285,464	156,883,299	166,704,844	173,727,892	194,783,253
Net revenue	51,586,297	56,886,690	58,689,523	59,247,279	66,181,757	75,617,639
Interest	13,610,860	14,205,365	16,652,624	18,940,641	18,095,643	18,378,931
Net income	37,975,437	42,681,325	42,036,899	40,306,638	48,086,114	57,238,708
Dividends	25,966,876	29,460,215	30,301,705	30,304,186	32,897,065	35,160,119
Balance for surplus	12,008,561	13,221,110	11,735,194	10,002,452	15,189,049	22,078,589

TELEPHONE PLANT, CAPITAL STOCK, AND FUNDED DEBT.[3]

	1912	1913	1914	1915	1916	1917
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Telephone plant	666,660,702	742,287,631	797,159,487	847,204,803	880,068,520	946,293,248
Capital stock	379,727,832	393,209,925	395,224,531	393,731,750	440,711,200	463,101,569
Funded debt	241,032,822	294,380,353	341,147,485	385,352,367	353,236,464	422,586,617

[1] Includes private line telephones.
[2] Decrease as compared with figures for previous years, due to the fact that since 1914 all calls on which the subscriber for any reason failed to receive the desired connection have been rigidly excluded.
[3] All duplications between companies excluded.

No. 197.—ELECTRIC RAILWAYS, 1917:[1] MILEAGE AND NUMBER OF CARS, BY STATES AND BY GEOGRAPHIC DIVISIONS.

[Source: The Electric Railway Journal.]

State.	Number of companies.	Miles of track.	Motor passenger cars.	Trail passenger cars.	Electric locomotives.	Express motor cars.	Freight cars.	Service and other cars.	Cable and horse cars.
Alabama	15	367	444	17	.....	.....	2	250	.....
Arizona	4	54	44	1	.....	.....	.....	1	.....
Arkansas	10	128	231	.....	.....	.....	.....	44	.....
California	42	3,293	3,686	82	62	12	403	1,562	119
Colorado	13	492	463	16	5	1	143	299	2
Connecticut	8	1,624	2,269	.....	102	.....	.....	67	.....
Delaware	2	153	309	.....	.....	.....	.....	81	.....
District of Columbia	7	412	1,074	.....	.....	.....	.....	480	.....
Florida	9	183	265	7	.....	.....	.....	53	.....
Georgia	17	501	699	14	.....	.....	.....	69	2
Idaho	6	180	68	.....	2	.....	.....	18	.....
Illinois	72	3,774	5,962	696	48	.....	962	633	.....
Indiana	43	2,378	1,920	6	3	11	.....	401	.....
Iowa	25	881	962	13	19	.....	.....	364	.....
Kansas	18	553	415	3	.....	.....	12	106	3
Kentucky	10	462	995	26	.....	12	.....	58	.....
Louisiana	10	327	681	.....	.....	.....	.....	140	.....
Maine	15	534	540	.....	3	3	30	177	.....
Maryland	12	674	2,143	.....	13	5	70	98	.....
Massachusetts	43	3 243	7,893	357	8	27	33	1,146	.....
Michigan	26	1,666	2,273	8	20	105	10	472	.....
Minnesota	14	722	1,329	.....	8	.....	.....	110	.....
Mississippi	11	123	159	2	.....	.....	.....	27	.....
Missouri	22	1,135	2,621	105	.....	.....	.....	285	.....
Montana	9	658	128	20	42	32	.....	17	.....
Nebraska	6	254	538	10	1	.....	.....	65	.....
Nevada	2	11	12	.....	.....	.....	.....	.....	.....
New Hampshire	14	252	286	.....	2	1	.....	35	2
New Jersey	29	1,545	3,286	3	2	19	4	78	.....
New Mexico	2	9	11	.....	.....	.....	.....	.....	.....
New York	108	5,637	16,851	1,116	151	12	35	2,000	207
North Carolina	12	292	303	.....	6	.....	8	200	.....
North Dakota	6	38	72	.....	.....	.....	.....	14	.....
Ohio	80	4,280	5,466	68	12	16	24	1,304	.....
Oklahoma	16	310	267	.....	.....	.....	.....	77	.....
Oregon	10	679	749	94	25	29	449	218	.....
Pennsylvania	124	4,579	8,732	15	2	8	75	875	2
Rhode Island	3	439	1,056	27	.....	.....	.....	246	.....
South Carolina	5	120	173	6	.....	2	.....	16	.....
South Dakota	3	26	34	2	.....	.....	.....	7	.....
Tennessee	15	475	820	.....	1	1	2	111	.....
Texas	38	1,003	1,200	84	.....	11	.....	223	.....
Utah	5	470	276	.....	7	2	.....	311	.....
Vermont	10	128	141	.....	.....	.....	12	13	.....
Virginia	15	590	900	25	.....	.....	.....	173	.....
Washington	19	1,092	1,049	23	26	16	442	929	48
West Virginia	24	639	611	.....	12	.....	5	41	.....
Wisconsin	18	768	975	113	.....	.....	.....	90	.....
Wyoming	2	22	12	7	.....	.....	.....	3	.....
Total	1,029	48,175	81,393	2,966	582	325	2,721	13,987	385
Geographic divisions.[2]									
New England States	93	6,220	12,185	384	115	31	75	1,684	2
Eastern States	321	14,229	33,906	1,159	180	44	189	3,826	209
Central States	310	16,066	22,503	1,035	110	144	996	3,717	.....
Southern States	104	2,516	3,775	46	7	3	12	910	2
Western States	201	9,144	9,024	342	170	103	1,449	3,850	172

[1] The reports from which this table is made up are rendered at different dates, the average of which is about June, 1917. In a few cases, where the company owns a large number of freight cars compared with the number of passenger cars owned, the total number of such freight cars has been omitted. In the case of electrified steam railroads, mileage is included in all cases; but under cars only electric locomotives and motor passenger cars of electrified steam railroads are given. Gasoline and storage battery cars are included under motor passenger cars.

[2] New England States—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut. Eastern States—New York, New Jersey, Pennsylvania, Delaware, District of Columbia, Maryland, Virginia, West Virginia. Central States—Michigan, Ohio, Indiana, Kentucky, Wisconsin, Illinois, Minnesota, Iowa, Missouri. Southern States—North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee, Louisiana, Arkansas. Western States—North Dakota, South Dakota, Nebraska, Nevada, Kansas, Texas, Colorado, Montana, Idaho, Utah, Washington, Oregon, California, Arizona, Oklahoma, New Mexico, Wyoming.

No. 198.—RAILROADS: Miles of Line[1] in Specified Years, 1860 to 1916, and per 100 Square Miles and per 10,000 Inhabitants in 1916, by States.

[Sources: Calendar years 1860, 1870, and 1880, Poor's Manual of Railroads, the data representing mileage operated; fiscal years ended June 30, 1890, 1900, 1910, 1915, and 1916, statistical reports of the Interstate Commerce Commission, the data representing mileage owned.]

State.	Mileage.								Miles of line, 1916, per—	
	1860	1870	1880	1890	1900	1910[2]	1915[2]	1916[2]	100 sq. m. of territory.	10,000 inhabitants.
Ala.	743	1,157	1,843	3,313.87	4,225.84	5,226.16	5,424.19	5,495.75	10.72	23.64
Ark.	38	256	859	2,195.81	3,359.86	5,305.51	5,407.05	5,294.03	10.08	30.55
Cal.	23	925	2,195	4,356.11	5,751.04	7,771.89	8,450.87	8,440.58	5.42	28.96
Colo.	.....	157	1,570	4,176.19	4,587.25	5,532.56	5,723.70	5,701.59	5.50	59.73
Conn.	601	742	923	1,007.29	1,023.62	1,000.14	999.04	999.73	20.74	8.07
Del.	127	197	275	322.69	346.72	334.81	334.79	335.13	17.05	15.74
Fla.	402	446	518	2,470.89	3,299.06	4,431.54	5,251.54	5,279.98	9.62	59.52
Ga.	1,420	1,845	2,459	4,532.37	5,651.72	7,056.49	7,427.31	7,482.24	12.74	26.30
Idaho	.....	.....	206	941.44	1,261.23	2,178.63	2,791.59	2,872.57	3.45	67.67
Ill.	2,790	4,823	7,851	10,213.97	11,002.93	11,878.34	12,157.32	12,141.92	21.67	19.81
Ind.	2,163	3,177	4,373	5,971.03	6,470.61	7,420.14	7,479.31	7,475.53	20.74	26.59
Iowa	655	2,683	5,400	8,355.97	9,185.18	9,754.68	9,977.69	9,946.44	17.89	44.79
Kans.	.....	1,501	3,400	8,806.45	8,719.36	9,006.88	9,260.95	9,344.85	11.43	51.25
Ky.	534	1,017	1,530	2,746.25	3,059.99	3,526.21	3,802.32	3,836.11	9.55	16.15
La.	335	450	652	1,758.94	2,824.08	5,553.74	5,728.95	5,603.12	12.34	30.76
Me.	472	786	1,005	1,338.13	1,915.24	2,248.06	2,275.57	2,262.74	7.57	29.34
Md.	386	671	1,040	1,231.34	1,376.16	1,426.45	1,433.97	1,428.25	14.37	10.50
Mass.	1,264	1,480	1,915	2,093.78	2,118.58	2,115.21	2,131.01	2,133.34	26.54	5.76
Mich.	779	1,638	3,938	7,242.67	8,195.18	9,021.13	8,861.90	8,875.85	15.44	29.15
Minn.	.....	1,092	3,151	5,466.37	6,942.57	8,668.00	9,059.61	9,152.59	11.32	40.31
Miss.	862	990	1,127	2,332.03	2,919.90	4,506.16	4,470.22	4,438.95	9.57	22.82
Mo.	817	2,000	3,965	6,004.10	6,875.04	8,082.74	8,274.97	8,270.24	12.03	24.28
Mont.	.....	.....	106	2,181.04	3,010.32	4,207.42	4,843.59	4,847.88	3.32	106.38
Nebr.	.....	705	1,953	5,295.35	5,684.85	6,067.15	6,171.10	6,169.00	8.03	48.65
Nev.	.....	593	739	924.87	909.35	2,276.66	2,331.87	2,318.38	2.11	218.97
N. H.	661	736	1,015	1,145.03	1,239.20	1,245.93	1,255.85	1,252.39	13.87	28.33
N. J.	560	1,125	1,684	2,046.76	2,256.69	2,260.49	2,314.67	2,337.53	31.11	7.98
N. Y.	2,682	3,928	5,957	7,660.71	8,121.03	8,429.77	8,534.15	8,492.78	17.82	8.31
N. C.	937	1,178	1,486	3,000.88	3,831.16	4,932.41	5,565.47	5,537.44	11.36	23.13
N. Dak.	.....	[3] 65	[3] 1,225	1,940.64	2,731.22	4,201.07	5,225.67	5,274.50	7.52	72.09
Ohio	2,946	3,538	5,792	7,911.51	8,807.27	9,134.46	9,158.61	9,121.19	22.39	17.77
Okla.	.....	.....	(4)	167.96	827.88	5,980.22	6,405.22	6,454.38	9.30	29.64
Oreg.	.....	159	508	1,427.95	1,723.80	2,284.69	3,114.90	3,067.22	3.21	37.03
Pa.	2,598	4,656	6,191	8,453.20	10,330.50	11,290.17	11,692.57	11,634.71	25.95	13.71
R. I.	108	136	210	212.52	211.79	212.14	202.96	203.09	19.03	3.33
S. C.	973	1,139	1,427	2,193.60	2,817.93	3,441.74	3,689.88	3,723.99	12.21	22.97
S. Dak.	(5)	(5)	(5)	2,485.89	2,849.83	3,947.65	4,278.38	4,278.90	5.57	61.72
Tenn.	1,253	1,492	1,843	2,751.87	3,136.95	3,815.97	4,101.33	4,090.61	9.81	17.91
Tex.	307	711	3,244	8,613.42	9,886.49	14,281.81	15,831.41	15,866.84	6.05	36.01
Utah	.....	257	842	1,090.14	1,547.42	1,985.94	2,111.42	2,137.43	2.60	49.60
Vt.	554	614	914	921.49	1,012.11	1,100.48	1,073.38	1,073.16	11.76	29.51
Va.	1,379	1,486	1,893	3,160.40	3,779.15	4,534.94	4,729.09	4,798.64	11.92	21.95
Wash.	.....	.....	289	1,783.37	2,913.57	4,875.21	5,559.91	5,698.32	8.53	37.58
W. Va.	352	387	691	1,327.93	2,228.05	3,600.99	3,909.71	3,973.84	16.54	28.83
Wis.	905	1,525	3,155	5,583.59	6,530.52	7,475.21	7,638.29	7,693.56	13.92	30.86
Wyo.	.....	459	512	941.88	1,228.63	1,644.89	1,891.13	1,906.24	1.95	107.31
Alaska[6]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ariz.	.....	.....	349	1,096.64	1,511.89	2,097.31	2,359.70	2,410.39	2.12	95.15
D. C.	(7)	(7)	(7)	30.24	31.75	35.97	36.23	36.87	61.45	1.02
Hawaii[6]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ind. T.	.....	.....	289	1,046.20	1,322.75	.....	.....	.....	.....	.....
N. Mex.	.....	.....	758	1,324.33	1,752.52	3,032.08	3,038.28	3,039.81	2.48	74.69
Total[8]	30,626	52,922	93,267	163,597.05	193,345.78	240,438.84	253,788.64	254,250.62	[9] 8.55	[10] 25.03

[1] For additional trackage, see Table 200.
[2] Excludes mileage of switching and terminal companies not segregated for years previous to 1908.
[3] Figures for Dakota.
[4] Included in returns for Indian Territory.
[5] See North Dakota.
[6] See note 8.
[7] Included in returns for Maryland.
[8] Excludes mileage as follows: For 1900, Alaska (21.80 miles); for 1910, Alaska (389.79 miles, unofficial) and Hawaii (175.10 miles); for 1915, Alaska (374.78 miles, unofficial) and Hawaii (249.53 miles); for 1916, Alaska (379.78 miles, unofficial) and Hawaii (256.27 miles).
[9] On basis of 2,973,890 square miles, which covers "land surface" only and excludes Alaska and Hawaii.
[10] On basis of 101,572,266, population for 1916, which is reached by adding to the population in 1910, 91,972,266 (which excludes Alaska, Hawaii, and persons in the military and naval service stationed abroad), an estimated annual increase of 1,600,000 for each successive year.

No. 199.—RAILROADS: Operated Mileage and Annual Increase of Mileage, 1836 to 1916.[1]

[Sources: Calendar years 1836 to 1889, Poor's Manual of Railroads; years ending June 30, 1890 to 1916, statistical reports of the Interstate Commerce Commission. No mileage included for Alaska or Hawaii. The term "mileage" signifies single-track mileage.]

Year.	Miles of line in operation.	Annual increase of mileage.	Year.	Miles of line in operation.	Annual increase of mileage.	Year.	Miles of line in operation.	Annual increase of mileage.
1836	1,273	175	1863	33,170	1,050	1890	167,191	(2)
1837	1,497	224	1864	33,908	738	1891	172,035	4,844
1838	1,913	416	1865	35,085	1,177	1892	175,691	3,656
1839	2,302	389	1866	36,801	1,716	1893	179,834	4,143
1840	2,818	516	1867	39,250	2,249	1894	182,733	2,899
1841	3,535	717	1868	42,229	2,979	1895	184,628	1,895
1842	4,026	491	1869	46,844	4,615	1896	186,681	2,053
1843	4,185	159	1870	52,922	6,078	1897	188,844	2,163
1844	4,377	192	1871	60,301	7,379	1898	190,870	2,026
1845	4,633	256	1872	66,171	5,870	1899	194,336	3,466
1846	4,930	297	1873	70,268	4,097	1900	198,964	4,628
1847	5,598	668	1874	72,385	2,117	1901	202,288	3,324
1848	5,996	398	1875	74,096	1,711	1902	207,253	4,965
1849	7,365	1,369	1876	76,808	2,712	1903	213,422	6,169
1850	9,021	1,656	1877	79,082	2,274	1904	220,112	6,690
1851	10,982	1,961	1878	81,747	2,665	1905	225,196	5,084
1852	12,908	1,926	1879	86,556	4,809	1906	230,761	5,565
1853	15,360	2,452	1880	93,262	6,711	1907	236,949	6,188
1854	16,720	1,360	1881	103,108	9,846	1908[3]	240,846	.....
1855	18,374	1,654	1882	114,677	11,569	1909[3]	244,084	3,238
1856	22,016	3,642	1883	121,422	6,745	1910[3]	249,992	5,908
1857	24,503	2,487	1884	125,345	3,923	1911[3]	254,732	4,740
1858	26,968	2,465	1885	128,320	2,975	1912[3]	258,033	3,301
1859	28,789	1,821	1886	136,338	8,018	1913[3]	261,036	3,003
1860	30,626	1,837	1887	149,214	12,876	1914[3]	263,547	2,511
1861	31,286	660	1888	156,114	6,900	1915[3]	264,378	831
1862	32,120	834	1889	161,276	5,162	1916[3]	266,031	1,653

[1] For additional trackage, see following table.
[2] See explanation of sources, etc., at head of table.
[3] Excludes mileage of switching and terminal companies not segregated for years previous to 1908.

No. 200.—RAILROADS: Length of Single, Second, Third, and Fourth Tracks, and Yard Track and Sidings, and Total Mileage Operated, 1894 to 1916.[1]

[Source: Statistical reports of the Interstate Commerce Commission.]

Year ended June 30—	Single track.	Second track.	Third track.	Fourth track.	Yard track and sidings.	Total.
	Miles.	*Miles.*	*Miles.*	*Miles.*	*Miles.*	*Miles.*
1894	175,690.96	10,499.30	953.16	710.99	41,941.37	229,795.78
1895	177,746.25	10,639.96	975.25	733.12	43,181.32	233,275.90
1896	181,982.64	10,685.16	990.45	764.15	44,717.73	239,140.13
1897	183,284.25	11,018.47	995.79	780.48	45,934.46	242,013.45
1898	184,648.26	11,293.25	1,009.65	793.57	47,589.09	245,333.82
1899	187,534.68	11,546.54	1,047.37	790.27	49,223.65	250,142.51
1900	192,556.03	12,151.48	1,094.48	829.29	52,153.02	258,784.30
1901	195,561.92	12,845.42	1,153.96	876.13	54,914.86	265,352.29
1902	200,154.56	13,720.72	1,204.04	895.11	58,220.93	274,195.36
1903	205,313.54	14,681.03	1,303.53	963.36	61,560.06	283,821.52
1904	212,243.20	15,824.04	1,467.14	1,046.50	66,492.46	297,073.34
1905	216,973.61	17,056.30	1,609.63	1,215.53	69,941.67	306,796.74
1906	222,340.30	17,936.25	1,766.07	1,279.66	73,760.91	317,083.19
1907	227,454.83	19,420.82	1,960.42	1,389.73	77,749.46	327,975.26
1908[2]	230,494.02	20,209.05	2,081.16	1,408.99	79,452.64	333,645.86
1909[2]	235,402.09	20,949.41	2,169.55	1,453.56	82,376.63	342,351.24
1910[2]	240,830.75	21,658.74	2,206.39	1,488.78	85,581.93	351,766.59
1911[2]	246,238.02	23,451.26	2,414.16	1,747.10	88,973.95	362,824.49
1912[2]	249,852.06	24,951.65	2,511.76	1,903.32	92,019.13	371,237.92
1913[2]	253,470.20	26,273.79	2,588.68	1,964.06	95,211.41	379,508.14
1914[2]	256,547.10	27,608.66	2,696.03	2,071.45	98,285.07	387,208.31
1915[2]	257,569.32	28,644.67	2,714.30	2,303.06	99,910.16	391,141.51
1916[2]	259,210.86	28,935.21	2,730.62	2,198.34	101,869.23	394,944.26

[1] Represents mileage covered by operating returns. (See Tables 208 and 209.)
[2] Excludes mileage of switching and terminal companies not segregated for years previous to 1908.

No. 201.—RAILROAD LOCOMOTIVES: NUMBER AND AVERAGE TRACTIVE POWER, GRATE AND HEATING SURFACE, AND WEIGHT OF EACH TYPE, 1906 TO 1916.[1]

[Source: Statistical reports of the Interstate Commerce Commission.]

Year ended June 30—	Type.	Number.	Average per locomotive.				
			Tractive power.	Grate surface.	Heating surface.	Weight exclusive of tender.	Weight on drivers.
			Pounds.	*Sq. feet.*	*Sq. feet.*	*Tons.*	*Tons.*
1906	Single expansion	48,300	24,307	31	1,862	66	54
	4-cylinder compound	1,767	33,168	47	3,070	98	75
	2-cylinder compound	887	31,561	38	2,596	84	70
1907	Single expansion	51,891	25,439	[2] 33	1,952	68	56
	4-cylinder compound	1,727	34,345	[2] 48	3,169	101	76
	2-cylinder compound	945	31,335	[2] 39	2,578	83	70
1908[3]	Single expansion	53,374	26,011	[2] 34	2,014	70	57
	4-cylinder compound	1,712	35,321	[2] 49	3,272	104	79
	2-cylinder compound	923	31,378	[2] 39	2,592	84	70
1909[3]	Single expansion	53,977	26,300	[2] 34	2,041	71	58
	4-cylinder compound	1,603	35,173	[2] 47	3,297	105	78
	2-cylinder compound	888	31,509	[2] 39	2,614	85	71
1910[3]	Single expansion	55,867	26,891	[2] 35	2,107	72	59
	4-cylinder compound	1,511	39,440	[2] 49	3,489	112	87
	2-cylinder compound	862	31,326	[2] 39	2,549	84	71
1911[3]	Single expansion	57,963	27,771	[2] 37	2,167	75	61
	4-cylinder compound	1,838	42,970	[2] 52	3,766	122	95
	2-cylinder compound	796	32,310	[2] 40	2,625	86	73
1912[3]	Single expansion	58,842	28,482	[2] 37	2,231	77	63
	4-cylinder compound	1,951	44,890	[2] 53	3,867	127	100
	2-cylinder compound	751	32,371	[2] 40	2,623	85	72
1913[4]	Single expansion	60,131	29,595	[2] 39	2,335	80	65
	4-cylinder compound	2,090	48,628	[2] 55	4,151	136	107
	2-cylinder compound	707	32,339	[2] 40	2,603	86	72
1914[4]	Single expansion	61,518	30,346	[2] 39	2,401	82	67
	4-cylinder compound	2,108	49,974	[2] 56	4,215	139	110
	2-cylinder compound	659	31,931	[2] 40	2,583	86	73
1915[4]	Drivers 69 inches or less	49,049	32,797	.....	.....	.....	71
	Drivers more than 69 inches	6,440	27,788	.....	.....	.....	65
	Switching	8,361	27,030	.....	.....	.....	64
1916[4]	Drivers 69 inches or less	47,836	33,820	.....	.....	.....	74
	Drivers more than 69 inches	6,430	28,063	.....	.....	.....	66
	Switching	8,397	27,802	.....	.....	.....	65

[1] Data for this table are lacking for some locomotives.
[2] Basis excludes oil-burning locomotives.
[3] Excludes locomotives in the service of switching and terminal companies.
[4] Excludes locomotives in the service of so-called small roads (having operating revenues below $100,000 for the year) and in the service of switching and terminal companies.

No. 202.—RAILROAD CARS: NUMBER IN SERVICE ON JUNE 30, 1901 TO 1916, BY CLASSES OF SERVICE.

[Source: Statistical reports of the Interstate Commerce Commission.]

Year.	Service.				Fast freight line service.
	Passenger.	Freight.	Company.	Total.	
1901	35,969	1,464,328	50,536	1,550,833	41,942
1902	36,987	1,546,101	57,097	1,640,185	43,142
1903	38,140	1,653,782	61,467	1,753,389	34,579
1904	39,752	1,692,194	66,615	1,798,561	37,937
1905	40,713	1,731,409	70,749	1,842,871	33,857
1906	42,262	1,837,914	78,736	1,958,912	32,168
1907	43,973	1,991,557	91,064	2,126,594	32,092
1908[1]	45,117	2,089,302	96,762	2,231,181	30,967
1909[1]	45,584	2,073,606	99,090	2,218,280	29,856
1910[1]	47,095	2,135,121	108,115	2,290,331	29,209
1911[1]	49,818	2,195,511	114,006	2,359,335	28,338
1912[1]	51,490	2,215,549	115,635	2,382,674	27,876
1913[2]	51,700	2,273,564	120,244	2,445,508	28,525
1914[2]	53,466	2,325,647	124,709	2,503,822	29,149
1915[1]	55,705	2,356,338	95,934	2,507,977	20,914
1916[1]	54,664	2,326,987	96,508	2,478,159	19,861

[1] Excludes cars in the service of switching and terminal companies.
[2] Excludes returns for so-called small roads (having operating revenues below $100,000 for the year) and returns for switching and terminal companies.

No. 203.—RAILROAD FREIGHT CARS: NUMBER AND AVERAGE CAPACITY OF EACH CLASS, ON JUNE 30, 1909 TO 1916.[1]

[Source: Statistical reports of the Interstate Commerce Commission.]

Class of car.	1909[2]		1910[2]		1911[2]		1912[2]		1913[3]		1914[3]		1915[3]		1916[3]	
	Number.	Average capacity.	Number.	Average capacity.	Number.	Average capacity.	Number.	Average capacity.	Number.	Average capacity.	Number.	Average capacity.	Number.	Average capacity.	Number.	Average capacity.
		Tons.		*Tons.*		*Tons.*		*Tons.*		*Tons.*		*Tons.*		*Tons.*		*Tons.*
Box	941,533	32	966,577	33	990,313	34	1,004,005	34	1,032,585	34	1,043,796	35	1,041,692	35.5	1,025,051	36.0
Flat	154,630	32	153,918	33	153,300	33	150,840	34	147,541	35	146,133	36	146,336	36.0	137,813	36.5
Stock	73,494	29	77,584	30	77,590	30	76,535	31	78,308	31	82,971	31	86,326	32.0	83,499	32.2
Coal	792,291	40	818,689	41	853,699	42	855,111	43	871,339	44	899,314	45	910,637	45.9	910,000	47.0
Tank	6,630	38	7,434	39	7,787	39	7,836	40	8,216	40	8,530	40	10,164	39.0	10,619	39.3
Refrigerator	28,204	30	30,918	30	31,786	30	30,693	31	43,389	31	48,886	32	52,446	32.1	51,749	32.3
Other	74,556	36	78,411	37	80,856	39	90,219	40	91,911	41	96,017	42	93,955	42.2	94,569	43.2
Total	2,071,338	35	2,133,531	36	2,195,331	37	2,215,239	37	2,273,289	38	2,325,647	39	2,341,556	39.7	2,313,300	40.5

[1] Data for this table are lacking for some cars included in the preceding table.
[2] Excludes cars in the service of switching and terminal companies.
[3] Excludes returns for so-called small roads (having operating revenues below $100,000 for the year) and returns for switching and terminal companies.

No. 204.—TRAFFIC ON RAILROADS: ANALYSIS OF STATISTICS OF PASSENGER AND FREIGHT SERVICES, YEARS ENDED JUNE 30, 1890, 1895, 1900, 1905, AND 1911 TO 1916.

[Source: Statistical reports of the Interstate Commerce Commission. The term "ton" generally signifies the short ton of 2,000 pounds.]

Item.	1890	1895	1900	1905	1911[1]	1912[1]	1913[2]	1914[2]	1915[2]	1916[2]
Number of passengers reported as carried	492,430,865	507,421,362	576,831,251	738,834,667	997,409,882	1,004,081,346	1,033,679,680	1,053,138,718	976,303,602	1,005,683,174
Passengers carried 1 mile	11,847,785,617	12,188,446,271	16,038,076,200	23,800,149,436	33,201,694,699	33,132,354,783	34,575,872,980	35,258,497,509	32,384,247,563	34,213,596,127
Passengers carried 1 mile per mile of line	75,751	68,572	83,290	109,949	139,191	136,699	143,067	144,278	131,165	137,818
Tons carried:										
Number of tons reported as carried	631,740,636	686,614,778	1,081,983,301	1,427,731,905	1,781,638,043	1,844,977,673	2,058,035,487	1,976,138,155	1,802,018,177	2,225,943,388
Number of tons reported as carried, excluding tonnage received from connecting roads and other carriers[3]	.....	.....	583,351,351	784,920,188	1,003,053,893	1,031,206,606	1,160,862,756	1,109,271,040	1,005,028,743	1,239,704,936
Tons carried 1 mile	77,207,047,298	85,227,515,891	141,596,551,161	186,463,109,510	253,783,701,839	264,080,745,058	301,398,752,108	288,319,890,210	276,830,302,723	343,099,937,805
Tons carried 1 mile per mile of line	493,638	479,490	735,352	861,396	1,053,566	1,078,580	1,245,158	1,176,923	1,121,059	1,380,349
Mileage of revenue passenger trains	[4] 285,575,804	[4] 317,565,615	363,469,596	459,827,029	572,929,421	585,853,528	593,061,212	602,388,660	577,633,888	586,611,300
Average number of passengers in train[5]	41	38	41	48	55	53	55	56	53	55
Average journey per passenger, miles	24.06	24.02	27.80	32.21	33.48	33.18	33.58	33.61	33.18	34.02
Mileage of revenue freight trains	[5] 435,170,812	[5] 449,291,238	492,543,526	546,424,405	626,496,025	612,345,112	643,841,292	605,923,249	550,395,585	606,900,357
Average number of tons in train[5]	177.42	189.69	270.86	322.26	383.10	406.76	445.43	451.80	474.45	534.95
Average haul per ton:										
Typical haul of the average railway, miles	122.21	124.13	130.87	130.60	142.88	143.44	146.59	146.04	153.79	154.20
Typical haul of all the railways regarded as a system, miles	.....	.....	242.73	237.56	254.10	256.87	259.99	260.19	275.80	276.88
Mileage of revenue mixed trains	.....	.....	30,691,508	32,189,996	36,461,466	37,127,992	32,907,378	32,565,313	36,629,942	34,912,617
Total revenue train mileage	.....	.....	886,704,630	1,038,441,430	[7] 1,237,500,138	[8] 1,236,758,715	[8] 1,271,220,178	[8] 1,242,080,241	[8] 1,163,040,998	[8] 1,229,608,236
Total mileage of freight cars	.....	.....	12,476,705,508	15,082,070,763	19,315,156,130	19,466,402,067	21,034,670,482	20,796,894,831	20,070,814,328	22,605,813,184

[1] Excludes returns for switching and terminal companies.
[2] Excludes returns for so-called small roads (having operating revenues below $100,000 for the year) and returns for switching and terminal companies.
[3] Figures include an apportionment of unclassified tonnage.
[4] Includes 25 per cent of the total mileage of revenue mixed trains.
[5] For the years 1890 and 1895, 25 per cent of the mixed-train mileage was apportioned to passenger-train mileage and 75 per cent to freight-train mileage; but in computations for subsequent years the total mixed-train mileage was used both with passenger-train mileage and with freight-train mileage.
[6] Includes 75 per cent of the total mileage of revenue mixed trains.
[7] Includes a small amount of unclassified train mileage; also a small amount of special-train mileage not separately reported prior to 1909.
[8] Includes a small amount of special-train mileage not separately reported prior to 1909.

No. 205.—FINANCES OF RAILROADS: ANALYSIS OF STATISTICS OF RECEIPTS FROM PASSENGER AND FREIGHT SERVICES, 1895 TO 1916.

[Source: Statistical reports of the Interstate Commerce Commission. The term "ton" generally signifies the short ton of 2,000 pounds.]

Year ended June 30—	Passenger service.				Freight service.				All trains.	
	Revenue per passenger per mile.	Revenue per passenger carried.	Revenue per train-mile, passenger trains.[1]	Passenger earnings per mile of road.[2]	Revenue per ton per mile.	Revenue per ton of freight carried.	Revenue per train-mile, freight trains.[1]	Freight earnings per mile of road.[2]	Revenues per train-mile.	Operating expenses per train-mile.
	Cents.	*Dollars.*	*Dollars.*	*Dollars.*	*Cent.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
1895	2.040	0.49486	0.97870	1,764.39	0.839	1.07463	1.61190	4,130.24	1.37723	0.93029
1896	2.019	.52078	.98591	1,816.18	.806	1.05101	1.63337	4,343.83	1.39567	.93838
1897	2.022	.51163	.93917	1,726.40	.798	1.06712	1.65358	4,239.64	1.38194	.92918
1898	1.973	.53237	.97419	1,812.69	.753	1.02801	1.73112	4,773.46	1.45449	.95635
1899	1.978	.55816	1.01615	1,927.94	.724	.98853	1.79035	4,895.09	1.50436	.98390
1900	2.003	.56459	1.01075	2,067.17	.729	.99373	2.00042	5,466.47	1.65721	1.07288
1901	2.013	.57941	1.02721	2,218.70	.750	1.05116	2.13212	5,804.08	1.72938	1.12292
1902	1.986	.60494	1.08531	2,399.97	.757	1.03219	2.27093	6,113.58	1.82350	1.17960
1903	2.006	.60720	1.11644	2,525.83	.763	1.05158	2.43967	6,629.78	1.91380	1.26604
1904	2.006	.61746	1.14135	2,570.33	.780	1.07251	2.42703	6,571.76	1.93960	1.31375
1905	1.962	.63985	1.15954	2,642.37	.766	1.03868	2.49689	6,721.28	1.97906	1.32140
1906	2.003	.63895	1.20338	2,808.72	.748	1.03594	2.60804	7,486.42	2.07547	1.37060
1907	2.014	.64600	1.25805	3,032.14	.759	1.05428	2.74023	8,122.86	2.17741	1.46993
1908[3]	1.937	.63394	1.27073	3,043.00	.754	1.07760	2.65307	7,259.00	2.11269	1.47340
1909[3]	1.928	.63053	1.26958	2,979.00	.763	1.07563	2.76450	7,184.00	2.16789	1.43370
1910[3]	1.938	.64617	1.30396	3,228.00	.753	1.03992	2.86218	8,089.00	2.24628	1.48865
1911[3]	1.974	.65789	1.30921	3,312.00	.757	1.07944	2.89548	7,895.00	2.24824	1.54338
1912[3]	1.987	.65677	1.29142	3,301.00	.744	1.06605	3.02284	7,962.00	2.29259	1.59077
1913[4]	2.008	.67226	1.35555	3,506.00	.729	1.06759	3.24347	9,048.00	2.45387	1.70375
1914[4]	1.982	.66406	1.34496	3,476.00	.733	1.06938	3.30845	8,596.00	2.45024	1.76917
1915[4]	1.985	.65851	1.30858	3,229.00	.732	1.12468	3.46995	8,182.00	2.51895	1.77641
1916[4]	2.006	.68242	1.38619	3,479.00	.716	1.10346	3.82828	9,863.00	2.80074	1.83279

[1] See note 5, p. 300. [2] For years subsequent to 1900, computed on the basis of average mileage operated. [3] See note 1, p. 300. [4] See note 2, p. 300.

No. 206.—FINANCES OF RAILROADS: COMMON AND PREFERRED STOCK AND BONDS AND OTHER OBLIGATIONS OUTSTANDING, 1898 TO 1916.

[Source: Statistical reports of the Interstate Commerce Commission.]

Year ended June 30—	Stock.			Funded debt.					Total railway capital.
	Common.	Preferred.	Total.	Bonds.	Miscellaneous obligations.	Income bonds.	Equipment trust obligations.	Total.	
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
1898	4,269,271,714	1,118,996,607	5,388,268,321	4,640,762,632	486,977,279	262,194,688	40,351,111	5,430,285,710	10,818,554,031
1899	4,323,300,969	1,191,710,757	5,515,011,726	4,731,054,376	485,781,695	260,048,753	42,058,348	5,518,943,172	11,033,954,898
1900	4,522,291,838	1,323,287,755	5,845,579,593	4,900,626,823	464,983,341	219,536,883	60,308,320	5,645,455,367	11,491,034,960
1901	4,475,408,821	1,331,157,383	5,806,566,204	5,048,811,611	545,780,485	218,872,068	68,116,723	5,881,580,887	11,688,147,091
1902	4,722,056,120	1,302,145,175	6,024,201,295	5,213,421,911	564,794,588	242,556,745	89,208,425	6,109,981,669	12,134,182,964
1903	4,876,961,012	1,278,598,020	6,155,559,032	5,426,730,154	640,704,135	234,016,821	142,980,116	6,444,431,226	12,599,990,258
1904	5,050,529,469	1,289,369,860	6,339,899,329	5,746,898,983	723,114,986	229,876,687	173,334,694	6,873,225,350	13,213,124,679
1905	5,180,933,907	1,373,623,144	6,554,557,051	6,024,449,023	786,241,442	253,707,699	186,302,906	7,250,701,070	13,805,258,121
1906	5,403,001,962	1,400,758,131	6,803,760,093	6,266,770,962	973,647,924	301,523,400	224,719,099	7,766,661,385	14,570,421,478
1907	5,932,948,772	1,423,912,919	7,356,861,691	6,472,839,323	1,616,427,904	306,244,476	329,773,289	8,725,284,992	[1] 16,082,146,683
1908 [2]	5,910,351,430	1,462,860,893	7,373,212,323	6,610,189,953	2,180,965,753	258,584,016	344,592,782	9,394,332,504	[3] 16,767,544,827
1909 [2]	6,218,382,485	1,467,896,060	7,686,278,545	6,942,012,066	2,267,211,732	284,497,531	307,869,061	9,801,590,390	[4] 17,487,868,935
1910 [2]	6,710,168,538	1,403,488,842	8,113,657,380	7,408,183,482	2,250,998,522	290,951,276	353,341,578	10,303,474,858	[5] 18,417,132,238
1911 [2]	7,074,917,534	1,395,800,077	8,470,717,611	7,825,269,102	2,331,574,399	261,777,220	319,596,749	10,738,217,470	[6] 19,208,935,081
1912 [2]	7,248,749,515	1,373,651,306	8,622,400,821	8,015,943,172	2,530,676,934	267,371,927	316,143,410	11,130,135,443	[7] 19,752,536,264
1913 [8]	7,231,515,045	1,379,096,282	8,610,611,327	8,186,366,426	2,379,571,854	250,290,655	369,285,450	11,185,514,385	[9] 19,796,125,712
1914 [6]	7,304,479,846	1,376,279,858	8,680,759,704	8,496,370,538	2,397,400,240	254,230,505	418,540,270	11,566,541,553	[10] 20,247,301,257
1915 [8]	7,599,937,801	1,394,956,920	8,994,894,721	9,047,182,748	2,434,532,805	247,359,856	403,988,948	12,133,064,357	[11] 21,127,959,078
1916 [8]	7,603,223,972	1,455,758,761	9,058,982,733	9,254,546,150	2,120,698,373	283,277,570	374,867,419	12,033,389,512	[12] 21,092,372,245

[1] Includes $145,321,601, assigned to other than railway property.
[2] Excludes data of switching and terminal companies not segregated for years previousto 1908.
[3] Includes $206,293,937, assigned to other than railway property.
[4] Includes $202,434,630, assigned to other than railway property.
[5] Includes $36,953,808, assigned to other than railway property.
[6] Includes $35,775,324, assigned to other than railway property.
[7] Includes $37,932,835, assigned to other than railway property.
[8] Excludes returns for so-called small roads (having operating revenues below $100,000 for the year) and their nonoperating subsidiaries; also returns for switching and terminal companies.
[9] Includes $36,340,807, assigned to "Other properties"; $948,689,876, held by or for issuing companies; and $47,703,555, receipts outstanding for installments paid.
[10] Includes $39,396,988, assigned to "Other properties"; $1,023,604,042, held by or for issuing companies; and $59,911,551, receipts outstanding for installments paid.
[11] Includes $598,345, receipts outstanding for installments paid on stock, and $500,035, receipts outstanding for funded debt.
[12] Includes $728,710, receipts outstanding for installments paid on stock, and $266,035, receipts outstanding for funded debt.

No. 207.—FINANCES OF RAILROADS: DIVIDENDS ON CAPITAL STOCK AND INTEREST ON FUNDED DEBT, 1894 TO 1916.

[Source: Statistical reports of the Interstate Commerce Commission.]

Year ended June 30—	Stock paying dividends.			Amount paid in dividends.	Interest on funded debt.	Total of dividends and interest paid.	Interest on interest-bearing current liabilities.
	Amount.	Proportion of total.	Average rate.				
	Dollars.	*Per cent.*	*Per cent.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
1894	1,767,925,565	36.57	5.40	95,515,226	252,779,523	348,294,749	10,239,190
1895	1,485,618,453	29.94	5.74	85,287,543	252,512,920	337,800,463	7,860,261
1896	1,559,024,075	29.83	5.62	87,603,371	249,624,177	337,227,548	8,469,063
1897	1,603,549,978	29.90	5.43	87,110,599	247,880,230	334,990,829	7,844,336
1898	1,818,113,082	33.74	5.29	96,152,889	246,126,691	342,279,580	7,073,953
1899	2,239,502,545	40.61	4.96	111,009,822	251,158,087	362,167,909	7,102,847
1900	2,668,969,895	45.66	5.23	139,597,972	252,949,616	392,547,588	4,912,892
1901	2,977,575,179	51.27	5.26	156,735,784	262,094,838	418,830,622	5,526,572
1902	3,337,644,681	55.40	5.55	185,391,655	274,421,855	459,813,510	7,717,103
1903	3,450,737,869	56.06	5.70	196,728,176	283,953,124	480,681,300	9,060,645
1904	3,643,427,319	57.47	6.09	221,941,049	297,674,738	519,615,787	13,945,009
1905	4,119,086,714	62.84	5.78	237,964,482	310,631,802	548,596,284	11,451,400
1906	4,526,958,760	66.54	6.03	272,795,974	322,555,934	595,351,908	11,653,076
1907	4,948,756,203	67.27	6.23	308,088,627	344,242,617	652,331,244	16,671,532
1908 [1]	4,843,370,740	65.69	8.07	390,695,351	368,295,579	758,990,930	31,338,440
1909 [1]	4,920,174,118	64.01	6.53	321,071,626	382,675,101	703,746,727	24,226,066
1910 [1]	5,412,578,457	66.71	7.50	405,771,416	399,582,056	805,353,472	16,536,695
1911 [1]	5,730,250,326	67.65	8.03	460,195,376	410,326,852	870,522,228	26,207,567
1912 [1]	5,581,289,249	64.73	7.17	400,315,313	429,026,729	829,342,042	25,409,689
1913 [2]	5,780,982,416	66.14	6.37	369,077,546	[2] 434,752,760	[2] 803,830,306	[2] 31,194,260
1914 [2]	5,667,072,956	64.39	7.97	451,653,346	[2] 439,879,894	[2] 891,533,240	[2] 45,972,506
1915 [2]	5,219,846,562	60.45	6.29	328,477,938	[2] 464,186,021	[2] 792,663,959	[2] 34,546,454
1916 [2]	5,161,971,829	59.04	7.98	411,975,955	[2] 474,534,514	[2] 886,510,469	[2] 20,250,725

[1] Excludes data of switching and terminal companies not segregated for years previous to 1908.
[2] Excludes interest paid by so-called small roads (having operating revenues below $100,000 for the year) and switching and terminal companies.

No. 208.—FINANCES OF RAILROADS, CONSIDERED AS A SYSTEM: INCOME ACCOUNT AND PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED JUNE 30, 1916.[1]

[Source: Statistical reports of the Interstate Commerce Commission.]

Item.	Amount.	Average amount per mile operated.
Average operated mileage represented (miles)	257,544.41	.....
Operating income:		
Railway operating revenues	*Dollars.* 3,472,641,941	*Dollars.* 13,484
Railway operating expenses	2,277,202,278	8,842
Net revenue from railway operations	1,195,439,663	4,642
Railway tax accruals	151,599,841	589
Uncollectible railway revenues	822,532	3
Railway operating income	1,043,017,290	4,050
Revenues from miscellaneous operations	38,527,600	150
Expenses of miscellaneous operations	33,008,368	128
Net revenue from miscellaneous operations	5,519,232	22
Taxes on miscellaneous operating property	2,079,265	8
Miscellaneous operating income	3,439,967	14
Total operating income	1,046,457,257	4,064
Nonoperating income:		
Rent from locomotives [2]	85,139	([3])
Rent from work equipment [2]	1,268,699	5
Miscellaneous rent income	8,568,934	33
Miscellaneous nonoperating physical property	2,999,671	11
Dividend income	95,726,677	372
Income from funded securities	47,554,335	185
Income from unfunded securities and accounts	25,784,668	100
Income from sinking and other reserve funds	3,286,124	13
Release of premiums on funded debt	431,665	1
Miscellaneous income	2,498,356	10
Total nonoperating income	188,204,268	730
Gross income	1,234,661,525	4,794
Deductions from gross income:		
Hire of freight cars—Net debit balance [2]	*Dollars.* 25,222,089	*Dollars.* 98
Rent for passenger-train cars [2]	1,270,536	5
Rent for floating equipment [2]	1,975,729	8
Joint facility rents [2]	15,962,175	62
Rent for leased roads [2]	3,701,658	14
Miscellaneous rents	5,759,064	22
Miscellaneous tax accruals	2,738,683	11
Separately operated properties—Net loss	4,395,753	17
Interest on funded debt	473,855,003	1,840
Interest on unfunded debt	20,248,475	79
Amortization of discount on funded debt	3,465,919	13
Maintenance of investment organization	740,163	3
Miscellaneous income charges	3,928,035	15
Total deductions from gross income	563,263,282	2,187
Net income	671,398,243	2,607
Appropriations for year:		
Appropriations to sinking and other reserve funds	21,036,226	82
Dividend appropriations	340,682,946	1,323
Appropriations for investment in physical property	76,520,227	297
Miscellaneous appropriations	18,819,073	73
Stock and debt discount extinguished	22,900,576	89
Total appropriations for year	479,959,048	1,864
Remainder	191,439,195	743
Balance in profit and loss on June 30 of preceding year	862,315,784	3,348
Sum	1,053,754,979	4,091
Adjustments, etc., through profit and loss:		
Credits	82,045,798	319
Debits	82,423,225	320
Net adjustment	377,427	1
Balance on June 30 carried to general balance sheet	1,053,377,552	4,090

[1] It is not practicable, in some instances, to make eliminations of intercorporate payments, especially in regard to "Dividend income," "Income from funded securities," "Income from unfunded securities and accounts," "Interest on funded debt," "Interest on unfunded debt," "Dividend appropriations," etc., and eliminations for such payments have been made only for the items to which note 2 applies.

[2] The figures shown for this item represent the net remaining after intercorporate payments were eliminated.

[3] Less than $1.

No. 209.—FINANCES OF RAILROADS UNDER SPECIFIED HEADINGS: YEARS ENDED JUNE 30, 1914 TO 1916.

[Source: Statistical reports of the Interstate Commerce Commission.]

ANALYSIS OF OPERATING REVENUES.

Item.	1914 [1]		1915 [2]		1916 [2]	
	Amount.[3]	Proportion to total.	Amount.[4]	Proportion to total.	Amount.[5]	Proportion to total.
	Dollars.	*Per ct.*	*Dollars.*	*Per ct.*	*Dollars.*	*Per ct.*
Freight revenue	2,114,697,629	69.40	2,037,925,560	70.03	2,469,026,921	72.18
Passenger revenue	700,403,353	22.99	646,475,045	22.22	689,626,943	20.16
Mail revenue	55,062,961	1.81	58,359,095	2.00	61,477,813	1.80
Express revenue	75,541,569	2.48	70,124,795	2.41	82,091,535	2.40
Excess-baggage revenue and milk revenue (on passenger trains)	17,131,756	.56	20,879,188	.72	22,289,662	.65
Parlor and chair car revenue and other passenger-train revenue	6,906,877	.22	5,552,405	.19	7,145,536	.21
Switching revenue	33,171,335	1.09	31,274,203	1.07	38,602,082	1.13
Special-service train revenue and miscellaneous transportation revenue	8,772,954	.29	2,210,275	.08	2,044,750	.06
Total revenue from operations other than transportation	32,930,397	1.08	35,189,996	1.21	45,711,591	1.34
Joint-facilities revenue—Dr.	−1,242,795	−.04	−1,417,403	−.05	1,384,897	.04
Joint-facilities revenue—Cr.	3,643,872	.12	3,492,491	.12	3,647,293	.11
Total	3,047,019,908	100.00	[6] 2,910,065,650	100.00	[7] 3,420,279,229	100.00

ANALYSIS OF OPERATING EXPENSES.

Maintenance of way and structures	419,277,779	19.05	381,532,488	[8] 18.49	421,500,898	[9] 18.75
Maintenance of equipment	532,138,606	24.18	509,818,744	[8] 24.70	570,326,407	[9] 25.37
Traffic expenses	63,769,677	2.90	60,962,687	[8] 2.95	62,203,097	[9] 2.77
Transportation expenses	1,101,597,432	50.07	1,032,442,821	[8] 50.03	1,110,225,460	[9] 49.38
General expenses	83,529,665	3.80	79,043,173	[8] 3.83	83,962,660	[9] 3.73
Total	2,200,313,159	100.00	[10] 2,063,819,414	[8] 100.00	[11] 2,248,243,855	[9] 100.00

[1] Does not include data for so-called small roads (having operating revenues below $100,000 for the year) and switching and terminal companies.

[2] Does not include data for switching and terminal companies. Figures are not fully comparable with those of prior years because of changes in accounting classifications.

[3] 245,624.55 miles of line (average mileage operated) represented.

[4] 256,213.61 miles of line (average mileage operated) represented.

[5] 257,511.82 miles of line (average mileage operated) represented.

[6] Does not include $46,127,552, comprising the following amounts classed as railway operating revenues, representing items formerly classed as "Auxiliary (or outside) operations": Water transfers, $5,077.125; water-line transportation revenue, $13,867,737; sleeping-car revenue, $2,552,405; dining and buffet car revenue, $15,418,297; hotels and restaurants, $4,918,549; grain elevators, $1,081,032; stockyards, $1,157,381; power, $2,055,026.

[7] Does not include $52,362,712 comprising the following amounts classed as railway operating revenues, representing items formerly classed as "Auxiliary (or outside) operations": Water transfers, $5,617,135; water-line transportation revenues, $15,471,631; sleeping-car revenue, $2,919,881; dining and buffet car revenue, $17,248,556; hotels and restaurants, $5,763,532; grain elevators, $1,773,399; stockyards, $1,435,112; power, $2,133,466.

[8] Based on $2,063,799,913, excluding $19,501 unclassified.

[9] Based on $2,248,218,522, excluding $25,333 unclassified.

[10] Includes $19,501 unclassified; makes no allowance for a credit item of $6,982,898, representing "Transportation for investment—Cr.," provided for under classifications effective on July 1, 1914; and excludes $31,846,440, comprising the following amounts classed as railway operating expenses, representing items formerly classed as "Auxiliary (or outside) operations": Transportation—water line, $8,688,803; miscellaneous operations, $23,157,637.

[11] Includes $25,333 unclassified; makes no allowance for a credit item of $6,494,951, representing "Transportation for investment—Cr.," provided for under classifications effective on July 1, 1914; and excludes $35,453,374, comprising the following amounts classed as railway operating expenses, representing items formerly classed as "Auxiliary (or outside) operations": Transportation—water line, $9,979,422; miscellaneous operations, $25,473,952.

No. 210.—FREIGHT TRAFFIC MOVEMENT ON RAILROADS: SUMMARY, YEARS ENDED JUNE 30, 1909 TO 1916, BY LEADING COMMODITIES.

[Source: Statistical reports of the Interstate Commerce Commission. The term "ton" generally signifies the short ton of 2,000 pounds.]

Commodity.	1909[1]	1910[1]	1911[1]	1912[1]	1913[2]	1914[2]	1915	1916[2]		
								Originating on road.	Received from connecting roads and other carriers.	Total.
Products of agriculture:	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*
Grain	63,094,886	67,733,043	71,126,786	70,779,832	89,587,276	80,011,068	97,047,693	57,686,165	50,825,139	108,511,304
Flour	18,306,486	19,729,851	19,557,516	19,971,463	21,767,405	22,218,779	22,376,112	10,472,225	14,725,880	25,198,105
Other mill products	13,926,537	15,632,126	15,475,563	16,817,362	17,918,707	17,968,272	18,550,419	7,992,496	11,054,858	19,047,354
Hay	10,323,433	11,744,710	12,033,156	13,754,257	13,046,480	13,288,162	13,905,913	7,312,879	5,712,222	13,025,101
Tobacco	1,530,854	1,833,353	1,706,044	1,947,001	2,128,314	1,989,568	1,857,388	1,085,843	969,931	2,055,774
Cotton	7,695,701	6,122,624	7,228,879	9,221,868	7,997,025	8,624,847	9,944,886	4,052,241	4,742,953	8,795,194
Fruit and vegetables	24,298,311	27,968,788	29,108,043	31,083,546	35,892,658	39,269,036	41,754,129	18,192,063	23,200,733	41,392,796
Other products of agriculture	10,419,485	9,637,198	10,628,085	15,579,590	14,865,327	15,217,108	16,479,284	8,988,002	6,751,635	15,739,637
Total	149,595,693	160,401,693	166,864,072	179,154,919	203,203,192	198,586,840	221,915,824	115,781,914	117,983,351	233,765,265
Products of animals:										
Live stock	18,432,441	18,200,325	20,416,150	20,535,108	21,572,184	21,144,300	21,167,301	16,963,922	6,911,580	23,875,502
Dressed meats	5,656,638	5,953,431	5,637,469	5,702,584	5,855,960	5,445,499	5,709,711	2,656,235	3,573,271	6,229,506
Other packing-house products	5,239,944	4,651,120	4,809,181	5,126,238	5,103,435	5,066,472	5,225,922	2,774,708	3,001,087	5,775,795
Poultry, game, and fish	1,528,547	1,512,280	1,587,942	1,732,682	1,981,139	2,351,144	2,254,173	1,016,484	1,606,693	2,623,177
Wool	1,002,120	904,324	1,023,914	1,017,230	954,196	1,075,594	906,425	503,248	804,784	1,308,032
Hides and leather	2,858,682	3,014,630	2,653,507	2,689,907	2,686,586	2,656,355	2,700,723	1,400,858	1,789,268	3,190,126
Other products of animals	4,334,673	4,388,665	5,085,894	6,490,287	7,107,763	8,735,892	7,289,604	4,629,143	3,498,668	8,127,811
Total	39,053,045	38,624,775	41,214,057	43,294,036	45,261,263	46,475,256	45,253,859	29,944,598	21,185,351	51,129,949
Products of mines:										
Anthracite coal	115,959,131	117,480,501	127,402,064	119,835,090	136,205,485	128,826,808	124,647,691	79,235,372	49,645,928	128,881,300
Bituminous coal	392,821,573	467,060,739	479,638,745	525,444,172	562,465,724	561,412,516	507,832,161	336,942,505	278,806,437	615, 48,942
Coke	54,618,163	77,990,907	60 804,241	61,941,110	73,155,701	60,783,693	46,689,044	37,392,483	35,821,899	3,214,382
Ores	113,037,038	158,179,430	133,082,878	138,667,493	171,905,292	159,705,231	126,791,372	126,936,640	80,574,464	207,511,104

Stone, sand, and other like articles	75,080,693	98,861,001	99,352,582	103,293,371	130,496,192	125,850,740	119,075,306	109,867,578	36,087,179	145,954,757
Other products of mines	19,692,350	22,493,269	20,848,929	20,031,710	25,639,154	26,868,601	26,005,022	15,654,632	15,418,559	31,073,191
Total	771,208,948	942,065,847	921,129,439	969,212,946	1,099,867,548	1,063,447,589	951,040,596	706,029,210	496,354,466	1,202,383,676
Products of forests:										
Lumber	113,684,830	135,677,828	125,185,647	125,350,692	152,065,216	145,464,354	123,122,328	71,508,667	82,028,429	153,537,096
Other products of forests	51,791,366	57,561,905	61,770,233	51,071,833	51,550,278	53,996,912	48,612,961	35,348,206	12,858,445	48,206,651
Total	165,476,196	193,239,733	186,955,880	176,422,525	203,615,494	199,461,266	171,735,289	106,856,873	94,886,874	201,743,747
Manufactures:										
Petroleum and other oils	14,244,907	16,531,174	17,596,449	20,677,785	23,536,256	23,660,871	26,296,369	15,986,955	17,616,369	33,603,324
Sugar	6,448,971	7,056,371	6,923,808	7,754,719	8,429,702	9,354,197	9,358,343	3,917,381	6,921,556	10,838,937
Naval stores	1,676,151	1,743,122	1,553,271	1,783,114	1,689,128	1,725,097	1,537,205	1,087,054	793,382	1,880,436
Iron, pig and bloom	20,777,597	28,963,137	22,713,623	24,053,768	29,613,282	23,336,043	18,391,787	20,819,499	16,598,347	37,417,846
Iron and steel rails	6,466,718	9,378,658	8,920,596	7,983,842	10,615,984	7,414,519	4,811,458	3,880,528	4,504,813	8,385,341
Other castings and machinery	20,007,195	27,274,820	23,052,502	23,843,074	30,951,697	26,540,896	21,139,593	15,218,400	17,207,606	32,426,006
Bar and sheet metal	22,652,433	34,074,515	29,899,867	31,227,138	37,315,634	30,560,443	26,877,408	21,640,686	21,755,498	43,396,184
Cement, brick, and lime	48,304,794	59,626,450	61,082,645	62,187,497	73,239,287	71,644,540	68,243,809	45,751,997	31,708,917	77,460,914
Agricultural implements	2,575,560	3,249,071	3,264,739	3,399,214	3,865,145	3,526,385	2,645,044	1,575,197	1,570,909	3,146,106
Wagons, carriages, tools, etc	2,282,152	3,223,308	3,008,857	2,914,832	3,852,949	3,959,499	4,124,543	2,951,017	4,109,199	7,060,216
Wines, liquors, and beers	6,118,170	6,785,150	6,829,700	7,068,924	7,858,107	7,771,970	6,635,184	3,947,882	3,175,067	7,122,949
Household goods and furniture	3,451,820	4,081,175	3,820,113	4,198,706	4,722,233	4,804,557	4,027,005	2,223,865	2,458,670	4,682,535
Other manufactures	60,879,583	76,170,549	79,110,164	82,678,331	89,100,195	86,505,185	78,397,992	47,833,369	51,002,954	98,836,323
Total	215,886,051	278,157,500	267,776,334	279,770,944	324,789,599	300,804,202	972,486,240	186,833,830	179,423,287	366,257,117
Merchandise	57,408,402	61,234,757	60,976,778	67,377,804	77,971,985	70,339,182	[3] 53,605,587	[3] 41,123,646	[3] 35,696,068	[3] 76,819,714
Miscellaneous—Other commodities	61,072,364	71,600,523	73,097,558	70,837,892	74,920,823	70,593,664	[4] 81,274,512	[4] 51,652,836	[4] 39,528,878	[4] 91,181,714
Grand total [5]	1,459,700,699	1,745,324,828	1,718,014,118	1,786,071,066	2,029,629,904	1,949,707,999	1,797,311,907	1,238,222,907	985,058,275	2,223,281,182

[1] Excludes traffic movement of switching and terminal companies.
[2] Excludes traffic movement of so-called small roads (having operating revenues below $100,000 for the year) and of switching and terminal companies.
[3] Represents "Miscellaneous commodities not specified above (carload rates)."
[4] Represents "L. C. L. goods not distributed above."
[5] Excludes freight not classified, as follows: 1909, 96,859,042 tons; 1910, 104,575,273 tons; 1911, 63,623,836 tons; 1912, 58,906,607 tons; 1913, 28,405,583 tons; 1914, 26,430,156 tons; 1915, 4,706,270 tons; 1916, 2,662,206 tons.

No. 211.—TAXES AND ASSESSMENTS OF RAILROADS: TOTAL AMOUNT AND AMOUNT PER MILE OF LINE, YEARS ENDED JUNE 30, 1909 TO 1916, BY STATES.

[Source: Statistical reports of the Interstate Commerce Commission.]

State	1909 [1]		1910 [1]		1911 [1]		1912 [1]		1913 [2]		1914 [2]		1915 [2]		1916 [2]	
	Amount.	Per mile of line.	Amount.	Per mile of line.	Amount.	Per mile of line.	Amount.	Per mile of line.	Amount.	Per mile of line.	Amount.	Per mile of line.	Amount.	Per mile of line.	Amount.	Per mile of line.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Alabama	1,396,623	298	1,410,412	297	1,520,686	317	1,619,874	336	1,559,168	322	1,755,382	357	1,686,859	342	1,700,415	339
Arizona	303,992	157	321,294	158	434,463	209	575,226	279	884,803	418	1,133,451	525	1,158,980	532	1,397,457	627
Arkansas	1,119,042	234	1,347,159	277	1,490,864	306	1,740,233	365	1,765,588	419	2,018,598	466	2,047,248	465	2,158,938	490
California	3,299,273	498	3,443,690	508	3,621,052	524	4,173,318	558	4,230,926	571	4,925,589	665	4,800,884	633	4,857,712	639
Colorado	1,497,491	300	1,636,739	306	1,766,000	326	1,831,933	327	1,847,843	339	2,026,619	372	2,115,660	383	2,368,277	436
Connecticut	1,693,772	1,686	1,867,521	1,867	1,409,108	1,407	1,227,019	1,226	1,115,007	1,114	1,013,836	1,017	780,901	789	972,740	975
Delaware	141,639	421	161,368	482	130,031	388	161,354	482	148,946	445	149,402	446	156,333	467	132,878	396
Dist. Columbia	36,539	1,036	56,189	1,562	54,714	1,521	54,292	1,509	56,742	1,659	57,394	1,678	62,136	1,816	59,397	1,704
Florida	770,732	198	838,618	208	886,771	212	991,023	224	1,053,651	257	1,207,574	281	1,215,782	276	1,515,490	335
Georgia	1,285,021	194	1,385,516	206	1,486,775	218	1,669,327	247	1,721,666	263	1,820,601	277	1,754,736	267	1,927,529	291
Idaho	547,864	288	714,427	345	785,051	337	1,395,779	581	1,434,985	584	1,738,925	662	1,462,006	549	1,681,536	615
Illinois	5,461,020	463	5,937,797	501	5,976,477	501	6,335,118	532	6,866,113	575	8,097,545	675	8,287,666	691	8,558,096	717
Indiana	3,792,322	518	3,845,333	521	4,145,568	562	4,193,485	569	4,536,007	624	4,880,652	670	5,196,470	717	5,470,789	755
Iowa	2,357,250	242	2,463,401	253	2,630,145	269	2,739,734	280	2,830,763	294	3,283,344	337	3,556,187	364	3,775,291	386
Kansas	2,760,507	309	3,074,085	344	2,837,915	316	3,490,893	387	3,401,988	380	3,593,097	396	3,825,908	421	4,022,138	441
Kentucky	1,236,719	369	1,073,463	312	1,374,307	396	1,301,159	366	1,637,277	469	2,188,544	619	1,812,116	513	1,860,484	522
Louisiana	1,171,981	253	1,238,064	250	1,324,555	265	1,444,817	293	1,486,000	330	1,778,823	381	1,948,905	412	1,996,812	427
Maine	660,107	314	674,962	301	780,429	345	937,239	417	971,889	455	1,060,336	496	1,097,785	510	1,071,383	498
Maryland	975,556	711	1,015,666	742	1,041,519	754	884,929	641	951,652	733	983,434	732	1,078,874	797	1,149,462	845
Massachusetts	3,132,072	1,500	3,097,480	1,484	3,402,387	1,631	3,592,215	1,723	3,542,864	1,699	3,232,883	1,550	2,629,779	1,260	2,562,916	1,227
Michigan	3,599,755	424	4,051,524	469	4,163,197	490	4,104,538	481	4,013,839	478	4,316,394	519	3,985,698	477	4,380,643	522
Minnesota	3,206,062	381	3,958,061	461	3,744,265	425	3,909,691	441	4,808,295	543	5,396,777	605	4,900,761	550	6,027,684	668
Mississippi	950,823	242	997,063	250	1,013,915	252	1,012,753	252	1,364,658	354	1,702,928	442	1,806,773	465	1,727,196	442

Missouri	1,548,796	196	1,830,155	230	1,859,948	232	2,028,768	253	2,204,835	283	2,173,382	279	2,252,461	289	2,194,200	282
Montana	999,275	289	1,485,534	356	1,634,809	385	1,723,495	405	1,874,409	428	2,119,912	445	2,226,213	468	2,562,694	539
Nebraska	1,873,305	311	2,030,864	335	2,182,954	360	2,299,663	375	2,324,355	378	2,594,851	420	2,626,086	426	2,698,558	437
Nevada	522,806	291	668,121	388	1,092,779	627	826,293	375	931,520	444	983,927	472	746,068	373	1,012,741	485
New Hampshire	496,375	402	777,864	629	708,217	572	751,443	607	862,257	691	809,313	649	751,121	602	696,062	559
New Jersey	4,702,291	2,166	5,066,216	2,290	5,148,853	2,335	7,095,637	3,146	6,823,429	3,187	6,604,781	3,068	6,789,603	3,110	7,792,764	3,537
New Mexico	524,508	180	745,120	254	560,874	192	680,909	233	970,915	337	1,276,641	443	1,068,876	369	1,154,537	414
New York	6,675,522	800	7,312,137	877	7,561,014	898	10,187,417	1,212	10,526,756	1,291	10,709,722	1,311	11,794,926	1,435	11,187,009	1,369
North Carolina	899,381	213	951,781	220	1,017,757	225	1,287,314	280	1,328,202	313	1,449,443	336	1,493,084	341	1,680,604	384
North Dakota	1,207,178	297	1,427,261	341	1,400,463	317	1,690,454	379	1,802,379	364	1,782,144	354	1,899,503	371	2,274,211	440
Ohio	5,339,622	599	5,457,363	611	6,144,151	680	7,006,516	774	7,800,153	872	9,235,378	1,032	8,711,531	972	9,701,813	1,071
Oklahoma	2,643,603	460	2,967,148	499	2,774,641	460	2,648,149	433	3,117,403	509	3,391,688	545	2,903,972	464	3,684,460	581
Oregon	861,482	446	912,851	444	830,462	360	1,461,162	608	1,479,983	599	1,730,265	683	1,430,208	538	1,668,936	625
Pennsylvania	5,917,452	552	6,352,492	587	7,491,403	689	7,092,339	647	8,489,875	810	8,824,383	821	8,491,931	785	8,678,961	800
Rhode Island	259,775	1,243	276,268	1,302	283,326	1,336	287,294	1,411	350,960	1,773	365,252	1,845	368,578	1,888	388,781	1,990
South Carolina	731,232	226	763,846	232	819,996	248	875,679	259	863,742	272	938,990	288	961,785	293	1,068,266	325
South Dakota	664,523	182	834,162	211	882,728	213	942,935	227	956,241	230	1,061,203	255	1,321,306	312	1,446,198	342
Tennessee	1,091,261	301	1,180,760	326	1,226,618	334	1,363,374	368	1,344,055	370	1,644,120	448	1,671,459	441	1,747,858	463
Texas	2,456,776	189	2,687,542	196	2,812,477	199	3,399,520	233	3,216,712	225	4,382,808	299	4,081,445	275	4,935,807	332
Utah	672,446	375	692,424	383	723,673	394	822,741	412	933,246	456	1,096,726	541	1,093,174	529	1,115,058	534
Vermont	230,475	226	256,657	251	280,217	272	293,873	286	336,888	395	499,224	509	508,707	519	491,207	501
Virginia	1,598,542	369	1,756,022	400	2,153,796	488	2,193,180	494	2,244,540	532	2,428,900	579	2,589,166	609	2,658,141	614
Washington	2,080,051	507	3,150,542	685	2,844,978	568	3,615,254	736	3,749,488	769	4,860,509	995	4,341,849	847	4,261,838	822
West Virginia	1,426,232	467	1,453,699	463	1,478,675	461	1,485,946	452	1,492,545	477	1,760,479	557	1,893,008	589	2,298,087	702
Wisconsin	3,153,703	440	3,162,137	440	3,306,656	456	3,583,427	482	3,855,843	544	4,387,545	619	4,768,492	671	5,119,043	720
Wyoming	360,785	230	614,314	384	631,534	395	614,301	376	655,993	403	789,340	448	742,162	405	855,681	465
Total [3]	90,333,559	401	99,423,112	431	103,873,193	444	115,643,032	488	122,817,394	528	136,263,054	579	134,895,161	569	144,748,778	608

[1] Excludes taxes of switching and terminal companies.

[2] Excludes taxes of so-called small roads (having operating revenues below $100,000 for the year) and switching and terminal companies.

[3] The figures exclude certain amounts of taxes not apportioned by States, as follows: 1909, $224,757; 1910, $4,431,754 (including $4,315,195 assessed by the United States Government, chiefly as a special excise tax); 1911, $5,027,406 (including $4,870,776 assessed by the United States Government, chiefly as a special excise tax); 1912, $5,026,660 including $4,861,746 assessed by the United States Government, chiefly as a special excise tax); 1913, $5,108,433 (including $4,908,212 assessed by the United States Government, chiefly as a special excise tax); 1914, $4,961,072 (including $4,769,512 assessed by the United States Government, chiefly as a special excise tax); 1915, $4,625,296 (including $4,272,796 assessed by the United States Government, chiefly as a special excise tax); 1916, $6,327,429 (including $5,969,823 assessed by the United States Government, chiefly as a special excise tax).

No. 212.—RAILROAD ACCIDENTS (STEAM RAILWAYS): NUMBER OF EMPLOYEES, PASSENGERS, AND OTHER PERSONS KILLED, AND NUMBER INJURED, 1892 TO 1916.

[Sources: Years 1892 to 1910, statistical reports of the Interstate Commerce Commission; for subsequent years, accident bulletins of that commission compiled from monthly reports required under the act approved May 6, 1910. For various reasons, mainly the fact that returns were required under different acts, the statistics are not strictly comparable.]

Year ended June 30—	Employees.		Passengers.		Other persons.		Total.	
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.
1892	2,554	28,267	376	3,227	4,217	5,158	7,147	36,652
1893	2,727	31,729	299	3,229	4,320	5,435	7,346	40,393
1894	1,823	23,422	324	3,034	4,300	5,433	6,447	31,889
1895	1,811	25,696	170	2,375	4,155	5,677	6,136	33,748
1896	1,861	29,969	181	2,873	4,406	5,845	6,448	38,687
1897	1,693	27,667	222	2,795	4,522	6,269	6,437	36,731
1898	1,958	31,761	221	2,945	4,680	6,176	6,859	40,882
1899	2,210	34,923	239	3,442	4,674	6,255	7,123	44,620
1900	2,550	39,643	249	4,128	5,066	6,549	7,865	50,320
1901	2,675	41,142	282	4,988	5,498	7,209	8,455	53,339
1902	2,969	50,524	345	6,683	5,274	7,455	8,588	64,662
1903	3,606	60,481	355	8,231	5,879	7,841	9,840	76,553
1904	3,632	67,067	441	9,111	5,973	7,977	10,046	84,155
1905	3,361	66,833	537	10,457	5,805	8,718	9,703	86,008
1906	3,929	76,701	359	10,764	6,330	10,241	10,618	97,706
1907	4,534	87,644	610	13,041	6,695	10,331	11,839	111,016
1908 [1]	3,405	82,487	381	11,556	6,402	10,187	10,188	104,230
1909 [1]	2,610	75,006	253	10,311	5,859	10,309	8,722	95,626
1910 [1]	3,382	95,671	324	12,451	5,976	11,385	9,682	119,507
1911	3,602	126,039	356	13,433	6,438	10,687	10,396	150,159
1912	3,635	142,442	318	16,386	6,632	10,710	10,585	169,538
1913	3,715	171,417	403	16,539	6,846	12,352	10,964	200,308
1914	3,259	165,212	265	15,121	6,778	12,329	10,302	192,662
1915	2,152	138,092	222	12,110	6,247	11,838	8,621	162,040
1916	2,687	160,663	283	8,379	6,394	11,333	9,364	180,375
1916 [2]	2,941	176,923	291	8,008	6,769	11,791	10,001	196,722

[1] Excludes accidents reported by switching and terminal companies.
[2] Year ended Dec. 31.

No. 213.—RAILROAD ACCIDENTS: ANALYSIS OF CASUALTIES CLASSED AS "NONTRAIN ACCIDENTS," YEAR ENDED DEC. 31, 1916. (See Table 214.)

[Source: Accident bulletins of the Interstate Commerce Commission.]

Class of accident.	Shopmen.		Station men.		Trackmen.		Bridge and building men.		Other employees.		All other persons.		Total.	
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.
Working machinery, engines, motors, etc.	15	4,794	2	61	1	285	1	94	6	245	2	11	27	5,490
Transmission apparatus (belts, gears, shafting, ropes, etc.)	6	512	...	24	...	57	...	22	2	35	...	3	8	653
Use of hand tools, apparatus, etc.	9	12,959	...	219	1	3,197	3	809	1	496	...	21	14	17,701
Flying particles	2	6,497	...	66	1	1,465	...	173	...	226	...	9	3	8,436
Explosives; inflammable, hot, or corrosive substances	11	2,201	...	43	7	102	1	40	2	144	7	35	28	2,565
Electric currents	12	146	...	1	5	20	1	11	4	41	7	6	29	225
Collapse, fall, etc., of objects	24	10,090	1	1,341	20	1,169	16	634	8	751	5	94	74	14,079
Falls of persons	23	6,859	7	1,441	33	2,474	26	1.102	18	1,728	16	493	123	14,097
Handling rails, ties, bridge timbers, etc.	1	2,254	...	200	10	10,748	3	1,552	1	762	1	23	16	15,539
Handling freight or supplies	3	5,149	11	11,412	...	659	...	130	2	1,226	3	96	19	18,672
Miscellaneous industrial causes	29	18,329	7	2,150	37	5,231	16	1,228	22	3,104	13	356	124	30,398
Total industrial accidents	135	69,790	28	16,958	115	25,407	67	5,795	66	8,758	54	1,147	465	127,855
Other nontrain accidents	1	246	1	49	4	103	1	21	10	675	43	791	60	1,885
Total	136	70,036	29	17,007	119	25,510	68	5,816	76	9,433	97	1,938	525	129,740

No. 214.—RAILROAD ACCIDENTS: CASUALTIES TO PERSONS, YEARS ENDED JUNE 30, 1916, AND DEC. 31, 1916.[1]

[Source: Accident bulletins of the Interstate Commerce Commission.]

Cause.	Year ended June 30, 1916.							
	Passengers.		Employees (including employees not on duty).		Other persons (trespassers and nontrespassers).		Total persons.	
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.
Collisions [2]	84	2,143	145	1,660	23	57	252	3,860
Derailments [2]	57	1,671	133	1,255	68	128	258	3,054
Miscellaneous train accidents, including locomotive-boiler explosions [2]	.....	36	35	497	4	26	39	559
Train-service accidents [2]	142	4,529	1,960	39,740	6,227	9,337	8,329	53,606
Total	283	8,379	2,273	43,152	6,322	9,548	8,878	61,079
Nontrain accidents [3]	.....	.....	414	117,511	72	1,785	486	119,296
Total casualties	283	8,379	2,687	160,663	6,394	11,333	9,364	180,375

Cause.	Year ended Dec. 31, 1916.							
	Passengers and persons carried under contract.		Employees (including employees not on duty).		Other persons (trespassers and nontrespassers.)		Total persons.	
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.
Collisions [2]	70	1,886	179	2,013	17	46	266	3,945
Derailments [2]	41	1,699	156	1,279	61	155	258	3,133
Miscellaneous train accidents, including locomotive-boiler explosions [2]	.....	66	35	530	3	23	38	619
Train-service accidents [2]	180	4,357	2,143	45,299	6,591	9,629	8,914	59,285
Total	291	8,008	2,513	49,121	6,672	9,853	9,476	66,982
Nontrain accidents [3]	.....	.....	428	127,802	97	1,938	525	129,740
Total casualties	291	8,008	2,941	176,923	6,769	11,791	10,001	196,722

[1] See also preceding table.
[2] Covers all accidents to and around trains, cars, and engines, including, in general, all casualties resulting from train operation.
[3] Nontrain accidents are those which do not involve train operation, but occur to railroad employees other than trainmen on railroad premises.

No. 215.—EMPLOYEES OF RAILROADS: NUMBER IN SERVICE ON JUNE 30 OF SPECIFIED YEARS, 1890 TO 1914, BY CLASSES.

[Source: Statistical reports of the Interstate Commerce Commission.]

Class.	1890	1896	1898	1900	1902	1903	1904	1905	1906	1907	1908[1]	1909[1]	1910[1]	1912[1]	1913[2]	1914[1]
General officers	5,160	5,372	4,956	4,916	4,816	4,842	5,165	5,536	6,090	6,407	5,076	5,492	5,476	5,790	4,398	5,740
Other officers	(3)	2,718	3,925	4,669	5,039	5,201	5,375	5,706	6,705	7,549	7,751	8,022	9,392	10,414	10,706	11,153
General office clerks	22,239	26,328	26,845	32,265	37,570	42,218	46,037	51,284	57,210	65,700	63,973	69,959	76,329	78,818	84,267	87,106
Station agents	25,665	29,723	30,699	31,610	33,478	34,892	34,918	35,245	34,940	35,649	35,740	36,519	37,379	38,428	37,721	39,147
Other station men	66,431	75,919	78,603	89,851	105,433	120,724	120,002	125,180	138,778	152,929	132,013	136,733	153,104	161,730	167,450	163,603
Enginemen	33,354	35,851	37,939	42,837	48,318	52,993	52,451	54,817	59,855	65,298	57,668	57,077	64,691	64,382	67,026	62,021
Firemen	34,634	36,762	38,925	44,130	50,651	56,041	55,004	57,892	62,678	69,384	61,215	60,349	68,321	67,195	70,477	64,959
Conductors	23,513	25,457	26,876	29,957	35,070	39,741	39,645	41,061	43,936	48,869	43,322	43,608	48,682	49,685	52,086	48,201
Other trainmen	61,734	64,806	66,968	74,274	91,383	104,885	106,734	111,405	119,087	134,257	114,580	114,760	136,938	137,067	146,855	136,809
Machinists	27,601	29,272	28,832	32,831	39,145	44,819	46,272	47,018	51,253	55,244	44,941	48,237	55,193	57,507	60,726	56,468
Carpenters	37,936	38,846	40,374	46,666	51,698	56,407	53,646	56,089	63,830	70,394	58,946	60,867	68,085	70,817	78,654	72,923
Other shopmen	80,733	95,613	99,717	114,773	136,579	154,635	159,472	176,348	199,940	221,656	176,680	195,110	225,196	249,429	271,095	256,133
Section foremen	27,129	30,372	30,771	33,085	35,700	37,101	37,609	38,217	40,463	41,391	41,419	41,859	44,207	44,277	44,737	44,977
Other trackmen	157,036	169,664	184,494	226,799	281,075	300,714	289,044	311,185	343,791	367,277	299,448	320,762	378,955	357,326	376,871	337,451
Switch tenders, crossing tenders, and watchmen	37,669	44,266	47,124	50,789	50,489	49,961	46,262	45,532	49,659	53,414	46,221	44,698	44,682	38,773	38,253	37,873
Telegraph operators and dispatchers	18,968	21,682	22,488	25,218	28,244	30,984	30,425	31,963	36,090	39,193	39,744	39,115	42,435	42,548	43,061	40,464
Employees—account floating equipment	6,199	5,502	6,349	7,597	7,426	7,949	7,495	8,753	8,314	9,139	8,028	8,758	10,549	12,056	13,780	13,019
All other employees and laborers	83,300	88,467	98,673	125,386	147,201	168,430	160,565	178,965	198,736	228,324	199,510	210,898	229,806	230,138	247,076	232,249
Total	749,301	826,620	874,558	1,017,653	1,189,315	1,312,537	1,296,121	1,382,196	1,521,355	1,672,074	1,436,275	1,502,823	1,699,420	1,716,380	1,815,239	1,710,296

[1] Excludes employees of switching and terminal companies.

[2] Excludes returns for so-called small roads (having operating revenues below $100,000 for the year) and returns for switching and terminal companies

[3] Annual report form for this year did not provide for this class of employees.

No. 216.—EMPLOYEES OF RAILROADS: TOTAL YEARLY COMPENSATION FOR SPECIFIED YEARS ENDED JUNE 30, 1890 TO 1914, BY CLASSES.[1]

[Source: Statistical reports of the Interstate Commerce Commission.]

Class.	1890	1896	1898	1900	1902	1904	1906	1908[2]	1910[2]	1912[2]	1913[3]	1914[2]
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
General officers	13,584,924	12,497,957	12,632,224	13,157,420	13,090,284	14,475,126	15,911,369	16,213,474	17,949,017	19,298,782	19,481,672	21,338,995
Other officers	(4)	5,301,119	6,870,275	8,141,500	9,491,146	10,816,880	12,870,203	16,689,833	19,499,753	22,203,792	23,294,470	24,247,155
General office clerks	16,901,342	19,037,816	19,859,404	23,127,228	26,853,600	34,735,708	41,227,916	51,867,978	58,176,906	64,739,954	69,443,296	75,429,665
Station agents	14,806,456	17,050,117	17,692,146	18,553,252	20,172,608	22,584,269	22,571,595	25,908,206	27,203,943	29,935,642	30,016,048	31,841,367
Other station men	34,918,155	39,076,478	40,237,653	45,627,016	53,709,985	66,318,729	70,702,517	81,766,135	88,926,764	97,612,039	106,242,920	109,134,046
Enginemen	37,814,011	41,354,307	44,307,993	50,713,401	58,135,447	68,946,543	74,581,454	84,517,730	91,323,678	102,762,809	111,350,613	109,376,377
Firemen	21,750,252	23,724,854	25,199,230	29,203,596	33,780,709	40,463,040	44,247,306	50,747,825	55,626,502	62,117,000	67,238,331	67,137,366
Conductors	21,881,455	24,758,485	26,316,465	30,089,322	35,211,477	44,150,760	47,417,403	55,479,055	59,716,891	68,695,203	73,261,603	73,527,535
Other trainmen	35,276,703	38,379,035	39,597,133	44,844,475	56,335,462	75,521,384	81,884,828	97,456,690	109,664,112	127,060,109	139,409,443	139,524,007
Machinists	19,235,809	19,312,746	19,507,896	22,924,702	28,412,840	37,344,571	40,326,031	42,368,436	48,589,476	54,327,638	60,008,941	58,229,801
Carpenters	24,090,749	22,948,585	23,951,246	28,144,452	31,925,126	36,654,270	40,961,083	44,552,855	50,058,065	53,241,527	61,318,197	60,266,619
Other shopmen	42,179,614	48,497,887	51,359,701	59,470,846	73,269,159	94,463,049	111,524,564	121,695,515	145,457,974	167,807,528	191,645,024	191,359,706
Section foremen	15,238,221	17,097,832	17,223,628	18,481,594	20,356,376	22,555,363	23,519,671	27,658,733	29,424,298	31,758,239	32,894,238	34,390,180
Other trackmen	57,560,900	54,521,113	57,303,740	71,664,298	89,536,409	104,600,785	112,196,214	122,994,426	140,200,782	136,067,014	156,806,395	148,115,441
Switch tenders, crossing tenders, and watchmen	20,656,369	24,950,907	26,633,630	29,599,258	28,669,990	26,920,495	27,939,001	27,607,830	24,880,701	22,982,964	22,422,731	22,917,957
Telegraph operators and dispatchers	11,823,844	13,695,587	14,259,057	16,176,401	18,281,069	21,770,296	24,729,669	30,989,257	32,348,603	34,890,615	36,519,803	36,574,687
Employees—account floating equipment	3,565,408	3,221,290	3,551,898	4,247,915	4,363,822	4,884,713	4,776,654	6,224,613	7,567,768	9,080,589	9,232,572	9,495,128
All other employees and laborers	42,686,131	43,398,416	48,552,299	63,098,165	74,433,083	90,392,829	103,414,175	130,698,937	137,110,073	147,766,253	163,244,292	168,211,260
Total	433,970,343	468,824,531	495,055,618	577,264,841	676,028,592	817,598,810	[5]900,801,653	1,035,437,528	1,143,725,306	1,252,347,697	1,373,830,589	1,381,117,292

[1] Covers over 99 per cent of the number of employees for all the years mentioned, excepting 1906, the per cent for which was over 96.

[2] Excludes compensation of employees of switching and terminal companies.

[3] Excludes returns for so-called small roads (having operating revenues below $100,000 for the year) and returns for switching and terminal companies.

[4] Annual report form for this year did not provide for this class of employees.

[5] Excludes compensation paid by Southern Pacific Co. (not reported). The corresponding amount paid in 1907 was $35,724,918

No. 217.—EMPLOYEES OF RAILROADS: AVERAGE DAILY COMPENSATION FOR SPECIFIED YEARS ENDED JUNE 30, 1892 TO 1914, BY CLASSES.

[Source: Statistical reports of the Interstate Commerce Commission.]

Class.	1892	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908[1]	1909[1]	1910[1]	1912[1]	1913[2]	1914[2]
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
General officers	7.83	9.73	10.03	10.45	10.97	11.17	11.27	11.61	11.74	11.81	11.93	13.11	12.67	13.27	13.13	15.67	16.06
Other officers	([3])	5.21	5.18	5.22	5.56	5.60	5.76	6.07	6.02	5.82	5.99	6.27	6.40	6.22	6.32	6.44	6.48
General office clerks	2.23	2.25	2.20	2.19	2.19	2.18	2.21	2.22	2.24	2.24	2.30	2.33	2.31	2.40	2.50	2.51	2.54
Station agents	1.82	1.73	1.74	1.75	1.77	1.80	1.87	1.93	1.93	1.94	2.05	2.09	2.08	2.12	2.20	2.28	2.33
Other station men	1.68	1.61	1.60	1.60	1.59	1.61	1.64	1.69	1.71	1.69	1.78	1.82	1.82	1.84	1.89	1.96	1.98
Enginemen	3.68	3.72	3.72	3.75	3.78	3.84	4.01	4.10	4.12	4.12	4.30	4.45	4.44	4.55	5.00	5.20	5.24
Firemen	2.08	2.09	2.10	2.14	2.16	2.20	2.28	2.35	2.38	2.42	2.54	2.64	2.67	2.74	3.02	3.13	3.22
Conductors	3.08	3.13	3.13	3.17	3.17	3.21	3.38	3.50	3.50	3.51	3.69	3.81	3.81	3.91	4.29	4.39	4.47
Other trainmen	1.90	1.95	1.94	1.96	2.00	2.04	2.17	2.27	2.31	2.35	2.54	2.60	2.59	2.69	2.96	3.04	3.09
Machinists	2.29	2.28	2.29	2.30	2.32	2.36	2.50	2.61	2.65	2.69	2.87	2.95	2.98	3.08	3.21	3.26	3.27
Carpenters	2.08	2.02	2.03	2.04	2.06	2.08	2.19	2.26	2.25	2.28	2.40	2.40	2.43	2.51	2.55	2.63	2.66
Other shopmen	1.72	1.70	1.72	1.73	1.75	1.78	1.86	1.91	1.92	1.92	2.06	2.12	2.13	2.18	2.24	2.31	2.36
Section foremen	1.76	1.69	1.68	1.68	1.71	1.72	1.78	1.78	1.79	1.80	1.90	1.95	1.96	1.99	2.09	2.14	2.20
Other trackmen	1.22	1.16	1.18	1.22	1.23	1.25	1.31	1.33	1.32	1.36	1.46	1.45	1.38	1.47	1.50	1.58	1.59
Switch tenders, crossing tenders, and watchmen	1.80	1.74	1.77	1.80	1.74	1.77	1.76	1.77	1.79	1.80	1.87	1.78	1.73	1.69	1.70	1.70	1.71
Telegraph operators and dispatchers	1.92	1.92	1.93	1.96	1.98	2.01	2.08	2.15	2.19	2.13	2.26	2.30	2.30	2.33	2.47	2.52	2.56
Employees—account floating equipment	2.03	1.89	1.89	1.92	1.97	2.00	2.11	2.17	2.17	2.10	2.27	2.38	2.31	2.22	2.37	2.37	2.35
All other employees and laborers	1.68	1.67	1.68	1.71	1.69	1.71	1.77	1.82	1.83	1.83	1.92	1.97	1.98	2.01	2.10	2.15	2.20

[1] Excludes compensation of employees of switching and terminal companies.

[2] Excludes returns for so-called small roads (having operating revenues below $100,000 for the year) and returns for switching and terminal companies.

[3] Annual report form for this year did not provide for this class of employees.

No. 218.—EMPLOYEES OF RAILROADS: AVERAGE NUMBER IN SERVICE AND NUMBER PER 100 MILES OF LINE OF STEAM RAILWAYS ON JUNE 30, 1916, BY CLASSES.

[Source: Statistical reports of the Interstate Commerce Commission.]

Class.	Steam railways (other than switching and terminal companies).[1]		Switching and terminal companies, average number.
	Average number.	Per 100 miles of line.	
General officers, $3,000 per annum and upward	4,247	2	158
General officers, below $3,000 per annum	5,112	2	465
Division officers, $3,000 per annum and upward	1,115	1	18
Division officers, below $3,000 per annum	9,289	4	160
Clerks, $900 per annum and upward	62,826	24	1,877
Clerks, below $900 per annum	102,532	40	3,043
Messengers and attendants	8,365	3	202
Assistant engineers and draftsmen	9,049	4	217
Maintenance of way and structure foremen	7,426	3	104
Section foremen	43,305	17	493
General foremen, maintenance of equipment department	1,654	1	61
Gang and other foremen, maintenance of equipment department	16,262	6	264
Machinists	37,386	14	712
Boiler makers	12,245	5	333
Blacksmiths	8,026	3	153
Masons and bricklayers	1,093	.....	45
Structural ironworkers	736	.....	14
Carpenters	49,858	19	907
Painters and upholsterers	10,749	4	153
Electricians	8,232	3	224
Air-brake men	5,529	2	112
Car inspectors	18,363	7	745
Car repairers	65,792	26	1,117
Other skilled laborers	47,321	18	746
Mechanics' helpers and apprentices	77,838	30	1,040
Section men	267,195	104	4,641
Other unskilled labor	101,121	39	2,154
Foremen of construction gangs and work trains	2,437	1	89
Other men in construction gangs and work trains	37,901	15	1,474
Traveling agents and solicitors	6,043	2	14
Employees in outside agencies	1,998	1	2
Other traffic employees	705	.....	15
Train dispatchers and directors	5,099	2	118
Telegraphers, telephoners, and block operators	19,562	8	344
Telegraphers and telephoners operating interlockers	7,851	3	154
Levermen (nontelegraphers)	3,409	1	218
Telegrapher clerks	11,012	4	42
Agent telegraphers	21,086	8	15
Station agents (nontelegraphers)	16,214	6	195
Station masters and assistants	637	.....	106
Station service employees	104,052	40	4,584
Yardmasters	3,501	1	296
Yardmasters' assistants	2,019	1	167
Yard engineers and motormen	15,173	6	1,619
Yard firemen and helpers	15,456	6	1,662
Yard conductors (or foremen)	14,594	6	1,605
Yard brakemen (switchmen or helpers)	37,956	15	3,236
Yard switch tenders	4,897	2	585
Other yard employees	3,918	2	199
Hostlers	7,638	3	255
Engine-house men	49,415	19	1,169
Road freight engineers and motormen	31,056	12	66
Road freight firemen and helpers	32,934	13	72
Road freight conductors	25,361	10	66
Road freight brakemen and flagmen	62,538	23	134
Road passenger engineers and motormen	13,952	5	16
Road passenger firemen and helpers	13,568	5	6
Road passenger conductors	11,270	4	16
Road passenger baggagemen	5,844	2	3
Road passenger brakemen and flagmen	15,345	6	8
Other road train employees	3,322	1	3
Crossing flagmen and gatemen	16,136	6	703
Drawbridge operators	1,349	1	72
Floating-equipment employees	10,554	4	192
Express-service employees	13	.....	2
Policemen and watchmen	8,104	3	431
Other transportation employees	6,900	3	126
All other employees	20,590	8	572
Total	1,654,075	639	40,809

[1] Represents 258,669.75 miles of line (single track) on June 30, 1916.

No. 219.—EMPLOYEES OF RAILROADS: TOTAL YEARLY COMPENSATION OF STEAM RAILWAYS, YEAR ENDED JUNE 30, 1916, BY CLASSES.

[Source: Statistical reports of the Interstate Commerce Commission.]

Class.	Steam railways (other than switching and terminal companies).[1]	Switching and terminal companies.
	Dollars.	*Dollars.*
General officers, $3,000 per annum and upward	27,442,958	722,467
General officers, below $3,000 per annum	8,131,813	614,396
Division officers, $3,000 per annum and upward	4,140,693	52,541
Division officers, below $3,000 per annum	15,838,330	269,977
Clerks, $900 per annum and upward	72,096,798	2,081,367
Clerks, below $900 per annum	67,804,151	2,066,685
Messengers and attendants	3,797,848	75,438
Assistant engineers and draftsmen	10,061,352	233,198
Maintenance of way and structure foremen	8,008,494	118,386
Section foremen	33,526,258	432,708
General foremen, maintenance of equipment department	2,457,310	94,202
Gang and other foremen, maintenance of equipment department	19,222,464	318,927
Machinists	41,618,102	814,603
Boiler makers	14,099,689	381,449
Blacksmiths	8,021,049	154,136
Masons and bricklayers	1,010,448	28,867
Structural ironworkers	719,283	12,747
Carpenters	40,891,209	798,362
Painters and upholsterers	8,720,371	123,315
Electricians	7,655,645	215,353
Air-brake men	4,835,525	95,092
Car inspectors	16,651,286	736,247
Car repairers	51,126,031	905,930
Other skilled laborers	41,770,155	708,742
Mechanics' helpers and apprentices	50,199,802	704,599
Section men	125,882,847	2,562,835
Other unskilled labor	58,326,953	1,466,399
Foremen of construction gangs and work trains	2,164,267	92,695
Other men in construction gangs and work trains	18,901,431	860,827
Traveling agents and solicitors	8,993,638	17,620
Employees in outside agencies	1,987,045	1,705
Other traffic employees	791,788	11,138
Train dispatchers and directors	8,202,564	147,922
Telegraphers, telephoners, and block operators	15,883,860	272,465
Telegraphers and telephoners operating interlockers	6,516,547	131,037
Levermen (nontelegraphers)	2,500,269	184,544
Telegrapher clerks	8,603,929	33,461
Agent telegraphers	17,238,163	12,047
Station agents (nontelegraphers)	14,294,338	262,333
Station masters and assistants	672,147	125,591
Station-service employees	64,845,650	2,961,322
Yardmasters	5,561,366	485,098
Yardmasters' assistants	3,076,674	253,306
Yard engineers and motormen	23,949,918	2,552,366
Yard firemen and helpers	14,968,455	1,602,888
Yard conductors (or foremen)	20,404,259	2,194,977
Yard brakemen (switchmen or helpers)	44,826,519	3,829,070
Yard switch tenders	3,594,681	440,924
Other yard employees	2,144,199	154,589
Hostlers	7,637,551	248,901
Engine-house men	33,358,095	847,612
Road freight engineers and motormen	56,888,417	109,922
Road freight firemen and helpers	36,645,413	71,667
Road freight conductors	40,044,928	94,639
Road freight brakemen and flagmen	64,557,826	150,612
Road passenger engineers and motormen	28,861,087	24,240
Road passenger firemen and helpers	17,120,129	8,724
Road passenger conductors	20,371,298	19,710
Road passenger baggagemen	6,157,621	2,715
Road passenger brakemen and flagmen	15,328,551	6,997
Other road train employees	2,651,536	566
Crossing flagmen and gatemen	7,679,068	350,384
Drawbridge operators	912,851	54,298
Floating-equipment employees	8,836,591	155,880
Express-service employees	7,355	1,560
Policemen and watchmen	6,128,324	309,785
Other transportation employees	4,446,633	83,841
All other employees	12,156,612	401,705
Total	1,403,968,437	36,360,651

[1] Represents 258,783.77 miles of line on June 30, 1916.

No. 220.—EMPLOYEES OF RAILROADS: AVERAGE HOURLY COMPENSATION OF STEAM RAILWAYS, YEAR ENDED JUNE 30, 1916, BY CLASSES.

[Source: Statistical reports of the Interstate Commerce Commission.]

Class.	*Steam* railways (other than switching and terminal companies)[1]	Switching and terminal companies.
	Dollars.	*Dollars.*
General officers, $3,000 per annum and upward	[2] 20.241	[2] 15.924
General officers, below $3,000 per annum	[2] 5.043	[2] 4.777
Division officers, $3,000 per annum and upward	[2] 11.080	[2] 9.327
Division officers, below $3,000 per annum	[2] 4.978	[2] 5.231
Clerks, $900 per annum and upward	.422	.369
Clerks, below $900 per annum	.230	.226
Messengers and attendants	[2] 1.345	[2] 1.096
Assistant engineers and draftsmen	[2] *3.438*	[2] 3.495
Maintenance of way and structure foremen	.334	.336
Section foremen	.228	.260
General foremen—Maintenance of equipment department	[2] 4.267	[2] 4.329
Gang and other foremen—Maintenance of equipment department	.347	.334
Machinists	.395	.372
Boiler makers	.397	.366
Blacksmiths	.377	.343
Masons and bricklayers	.303	.253
Structural ironworkers	.321	.314
Carpenters	.282	.298
Painters and upholsterers	.301	.278
Electricians	.277	.283
Air-brake men	.270	.251
Car inspectors	.236	.248
Car repairers	.272	.244
Other skilled labor	.291	.279
Mechanics' helpers and apprentices	.229	.214
Section men	.155	.177
Other unskilled labor	.186	.191
Foremen of construction gangs and work trains	.283	.297
Other men in construction gangs and work trains	.170	.184
Traveling agents and solicitors	[2] 4.855	[2] 4.448
Employees in outside agencies	.367	.302
Other traffic employees	.433	.215
Train dispatchers and directors	.532	.407
Telegraphers, telephoners, and block operators	.271	.255
Telegraphers and telephoners operating interlockers	.291	.286
Levermen (nontelegraphers)	.210	.252
Telegrapher clerks	.245	.254
Agent telegraphers	.224	.250
Station agents (nontelegraphers)	[2] 2.522	[2] 3.965
Station masters and assistants	[2] 3.155	[2] 3.257
Station-service employees	.197	.192
Yardmasters	[2] 4.384	[2] 4.740
Yardmasters' assistants	[2] 4.066	[2] *4.128*
Yard engineers and motormen	.431	.422
Yard firemen and helpers	.270	.270
Yard conductors (or foremen)	.388	.379
Yard brakemen (switchmen or helpers)	.351	.347
Yard switch tenders	.192	.210
Other yard employees	.151	.206
Hostlers	.252	.241
Engine-house men	.181	.190
Road freight engineers and motormen	.599	.403
Road freight firemen and helpers	.384	.250
Road freight conductors	.495	.367
Road freight brakemen and flagmen	.334	.325
Road passenger engineers and motormen	.878	.406
Road passenger firemen and helpers	.550	.297
Road passenger conductors	.695	.348
Road passenger baggagemen	.396	.220
Road passenger brakemen and flagmen	*.399*	*.235*
Other road train employees	.288	.449
Crossing flagmen and gatemen	.117	.125
Drawbridge operators	.166	.201
Floating-equipment employees	.215	.250
Express-service employees	.204	.213
Policemen and watchmen	[2] 2.017	[2] 1.978
Other transportation employees	.203	.192
All other employees	.180	.199
All classes for which hourly pay is shown	.266	.256
All classes for which daily pay is shown	[2] 4.312	[2] 4.298

[1] Represents 258,783.77 miles of line on June 30, 1916. [2] Represents average daily compensation.

No. 221.—RAILROADS PLACED UNDER RECEIVERSHIP AND SOLD UNDER FORECLOSURE: NUMBER AND MILEAGE, 1879 TO 1917.

[Source: The Railway Age, Chicago, Ill.]

Calendar year.	Placed under receivership.			Sold under foreclosure.		
	Number of roads.	Miles.	Stocks and bonds.	Number of roads.	Miles.	Stocks and bonds
			Dollars.			*Dollars.*
1879	12	1,102	39,367,000	65	4,909	243,288,000
1880	13	885	140,265,000	31	3,775	263,882,000
1881	5	110	3,742,000	29	2,617	137,923,000
1882	12	912	39,074,000	16	867	65,426,000
1883	11	1,990	108,470,000	18	1,354	47,100,000
1884	37	11,838	714,755,000	15	710	23,504,000
1885	44	8,836	385,460,000	22	3,156	278,394,000
1886	13	1,799	70,346,000	45	7,687	374,109,000
1887	9	1,046	90,318,000	31	5,478	328,181,000
1888	22	3,270	186,814,000	19	1,596	64,555,000
1889	22	3,803	99,664,000	25	2,930	137,815,000
1890	26	2,963	105,007,000	29	3,825	182,495,000
1891	26	2,159	84,479,000	21	3,223	169,069,000
1892	36	10,508	357,692,000	28	1,922	95,898,000
1893	74	29,340	1,781,046,000	25	1,613	79,924,000
1894	38	7,025	395,791,000	42	5,643	318,999,000
1895	31	4,089	369,075,000	52	12,881	761,791,000
1896	34	5,441	275,597,000	58	13,730	1,150,377,000
1897	18	1,537	92,909,000	42	6,675	517,680,000
1898	18	2,069	138,701,000	47	6,054	252,910,000
1899	10	1,019	52,285,000	32	4,294	267,534,000
1900	16	1,165	78,234,000	24	3,477	190,374,000
1901	4	73	1,627,000	17	1,139	85,808,000
1902	5	278	5,835,000	20	693	39,788,000
1903	9	229	18,823,000	13	555	15,885,000
1904	8	744	36,069,000	13	524	28,266,000
1905	10	3,593	176,321,000	6	679	20,307,000
1906	6	204	55,042,000	8	262	10,400,000
1907	7	317	13,585,000	6	114	13,777,000
1908	24	8,009	596,359,000	3	138	2,547,000
1909	5	859	78,095,000	12	2,629	250,033,000
1910	7	735	51,427,500	17	1,100	93,660,109
1911	5	2,606	210,606,882	13	1,386	40,741,453
1912	13	3,784	182,112,497	12	661	25,910,990
1913	17	9,020	477,780,820	6	1,159	86,163,850
1914	22	4,222	199,571,446	9	1,470	83,189,500
1915	12	20,143	1,070,808,628	11	3,914	285,258,782
1916	9	4,439	208,159,689	26	8,355	703,444,855
1917	19	2,486	61,169,962	20	10,963	557,846,348

No. 222.—EXPRESS COMPANIES: CLASSIFICATION OF MILEAGE COVERED BY OPERATIONS, DEC. 31, 1916, COMPARED WITH TOTAL FOR JUNE 30, 1916.

[Source: Statistical reports to the Interstate Commerce Commission.]

Company.	Steam road.	Electric line.	Steamboat line.	Stage line.	Total, Dec. 31, 1916.	Total, June 30, 1916.
	Miles.	*Miles.*	*Miles.*	*Miles.*	*Miles.*	*Miles.*
Adams Express Co	38,022.56	2,801.42	4,483.00	.....	45,306.98	45,153.38
American Express Co	71,168.27	1,063.53	1,233.12	.....	73,464.92	74,279.85
Canadian Express Co	10,765.93	113.00	1,154.00	17.00	12,049.93	12,049.93
Great Northern Express Co	8,904.79	335.50	717.00	.....	9,957.29	9,837.99
Northern Express Co	7,965.35	14.10	315.00	.....	8,294.45	8,274.70
Southern Express Co	34,039.60	77.00	706.00	.....	34,822.60	34,764.60
Wells, Fargo & Co	78,638.25	4,231,07	23,121.89	1,080.37	107,071.58	107,529.20
Western Express Co	5,217.32	28.00	8.00	.....	5,253.32	5,248.89
Total	254,722.07	8,663.62	31,738.01	1,097.37	296,221.07	[1] 297,138.54

[1] Includes 8,698.99 miles of electric lines; 34,007.14 miles of steamboat lines; and 682.37 miles of stage lines.

No. 223.—EXPRESS COMPANIES: Income Account and Profit and Loss Account of Specified Companies, Year Ended Dec. 31, 1916.

[Source: Statistical reports to the Interstate Commerce Commission.]

Item.	Adams Express Co.	American Express Co.[1]	Canadian Express Co.	Great Northern Express Co.	Northern Express Co.	Southern Express Co.	Wells, Fargo & Co.	Western Express Co.	Grand total, 8 companies, 1916.
INCOME ACCOUNT.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Charges for transportation	45,893,923	63,413,452	4,259,408	3,622,495	3,243,148	18,039,247	50,403,437	1,545,442	190,420,552
Express privileges—Dr	22,413,455	31,407,985	2,189,849	2,213,735	1,760,005	9,251,998	25,854,219	756,439	95,847,685
Revenue from transportation	23,480,468	32,005,467	2,069,559	1,408,760	1,483,143	8,787,249	24,549,218	789,003	94,572,867
Revenue from operations other than transportation	603,528	3,233,225	127,575	62,196	49,603	403,726	1,191,926	45,467	5,717,246
Total operating revenues	24,083,996	35,238,692	2,197,134	1,470,956	1,532,746	9,190,975	25,741,144	834,470	100,290,113
Operating expenses	23,025,979	32,355,942	1,890,513	1,142,941	1,138,230	7,192,510	22,212,797	716,474	89,675,386
Net operating revenues	1,058,017	2,882,750	306,621	328,015	394,516	1,998,465	3,528,347	117,996	10,614,727
Uncollectible revenue from transportation	8,035	13,789	515	279	383	1,606	16,421	81	41,109
Express taxes	251,057	550,236	60,508	62,281	63,923	180,789	468,532	16,930	1,654,256
Operating income	798,925	2,318,725	245,598	265,455	330,210	1,816,070	3,043,394	100,985	8,919,362
Other income	2,054,113	760,214	.....	2,795	53,583	77,628	1,346,811	5,263	4,300,407
Gross income	2,853,038	3,078,939	245,598	268,250	383,793	1,893,698	4,390,205	106,248	13,219,769
Deductions from gross income	1,014,553	215,240	.....	1,905	5,424	15,451	100,466	679	1,353,718
Net income	1,838,485	2,863,699	245,598	266,345	378,369	1,878,247	4,289,739	105,569	11,866,051
Dividend appropriations of income	.....	350,780	.....	.....	.....	200,000	1,438,044	.....	1,988,824
Other deductions from net income	600,000	.....	.....	.....	.....	.....	.....	.....	600,000
Income balance transferred to profit and loss	1,238,485	2,512,919	[2] 245,598	266,345	378,369	1,678,247	2,851,695	105,569	9,277,227
PROFIT AND LOSS ACCOUNT.									
Credit balance on Dec. 31 of the preceding year	8,981,329	7,775,568	.....	593,733	393,469	5,786,034	8,996,955	96,725	32,623,813
Credit balance for the year from income	1,238,485	2,512,919	.....	266,345	378,369	1,678,247	2,851,695	105,569	9,031,629
Dividend appropriations of surplus	.....	1,050,000	.....	230,000	.....	3,900,000	7,989,133	20,000	13,189,223
Other profit and loss items—credit balance	130,619	[2] 2,314,848	.....	8,031	1,463	82,869	160,578	496	[3] 1,930,792
Balance credit carried to balance sheet	10,350,433	6,923,549	.....	638,109	773,301	3,647,150	4,020,095	182,790	26,535,427

[1] Statement includes the operations of the National Express Co., such operations being entirely for and on account of the American Express Co.
[2] Income balance turned over to the Grand Trunk Railway Co. of Canada.
[3] Debit.

No. 224.—LOWER MISSISSIPPI RIVER: COMMERCE (RECEIPTS AND SHIPMENTS), 1901 TO 1916.[1]

[Source: From reports of the Chief of Engineers, War Department.]

Section of river and year.	Grain and its products.	Cotton.	Cotton seed and its products.	Live stock.	Coal and coke.	Lumber.	Logs.
St. Louis and Cairo:	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*
1901	137,954	308	.....	31,981	80,950	94,704	37,600
1902	194,175	3,144	.....	46,458	110,090	130,595	77,089
1903	103,114	585	340	18,010	119,727	120,231	89,662
1904	72,497	471	1,481	16,266	108,955	38,510	65,990
1905	50,441	1,991	912	21,048	131,756	21,143	101,111
1906	28,858	1,177	673	11,542	170,830	10,765	120,113
1907	19,832	1,522	260	11,075	166,360	25,179	49,175
1908	12,589	1,697	765	9,872	190,397	3,882	87,070
1909	21,325	3,129	614	15,184	164,496	19,925	58,040
1910	16,981	972	982	6,581	113,673	5,786	44,555
1911	23,578	1,889	2,871	8,868	165,398	7,732	63,968
1912	12,496	1,251	1,997	5,507	145,227	6,429	37,856
1193	20,179	1,264	1,367	8,199	152,150	10,855	27,536
1914	17,909	1,080	790	5,758	12,492	5,021	60,491
1915	26,962	924	2,400	14,138	13,013	15,092	31,064
1916	13,044	285	1,027	6,580	62,723	19,358	828,514
Cairo and Memphis:							
1901	103,599	13,647	21,750	1,903	1,359,462	228,493	309,395
1902	91,593	50,315	23,813	536	1,289,830	287,294	386,977
1903	100,222	10,065	10,850	15,040	1,266,378	209,541	430,530
1904	8,782	15,455	12,064	618	1,250,476	192,481	503,465
1905	51,123	9,573	11,069	200	1,328,930	242,070	486,051
1906	4,551	10,903	13,288	.....	1,030,000	254,156	238,464
1907	5,771	11,905	9,276	.....	1,031,154	183,036	464,969
1908	4,321	11,620	16,249	130	920,783	119,256	369,190
1909	11,340	12,489	9,567	3,942	737,761	70,848	305,716
1910	15,669	13,815	8,276	3,780	508,696	72,880	335,662
1911	22,536	14,271	9,142	5,084	1,199,492	41,975	388,320
1912	78,679	11,214	6,493	4,944	881,523	58,775	275,930
1913	21,033	10,187	6,536	4,550	867,262	57,447	175,410
1914	14,562	9,287	6,320	4,075	826,362	27,662	298,658
1915	12,708	30,968	6,980	3,219	981,431	52,661	171,628
1916	7,112	25,896	4,798	2,506	477,829	26,795	184,270
Memphis and Vicksburg:							
1901	143,791	49,553	39,855	5,200	1,281,393	55,747	129,286
1902	119,197	55,075	37,175	14,719	1,248,046	124,763	175,409
1903	114,974	31,695	145,988	4,830	1,281,311	80,026	236,521
1904	16,017	87,581	52,757	3,966	1,077,693	76,357	630,226
1905	47,960	66,556	64,699	4,091	1,097,758	128,697	334,499
1906	33,000	64,906	60,525	3,236	842,513	462,486	288,250
1907	21,937	37,843	24,206	7,586	871,034	157,930	373,695
1908	14,069	30,469	33,665	7,023	857,895	104,867	116,748
1909	17,325	20,563	23,287	10,792	632,570	78,116	223,434
1910	20,295	20,770	26,743	11,791	392,561	59,378	187,950
1911	23,147	21,595	21,870	10,891	1,090,856	34,173	412,392
1912	13,050	18,562	16,725	7,495	733,135	34,820	300,607
1913	18,138	17,252	15,130	12,230	763,895	46,536	271,720
1914	16,590	17,213	26,057	11,736	682,104	26,117	153,605
1915	22,414	39,823	20,161	15,355	892,840	52,602	76,965
1916	13,175	30,565	15,338	10,563	379,201	32,127	155,034
Vicksburg and New Orleans:							
1901	112,314	71,925	60,936	2,954	1,225,970	37,359	.....
1902	102,544	64,774	80,973	4,814	1,220,057	49,350	52,433
1903	125,236	39,519	53,909	7,337	1,263,372	80,500	212,375
1904	23,878	46,997	63,901	4,858	1,020,500	25,358	133,638
1905	24,062	25,349	39,454	3,945	1,080,075	33,203	233,388
1906	24,298	53,269	25,224	3,358	832,410	67,720	184,591
1907	31,532	38,262	73,242	2,834	850,200	45,764	167,607
1908	34,272	30,207	35,620	3,111	801,596	19,243	169,974
1909	34,794	10,599	17,103	2,105	607,383	31,501	242,574
1910	28,470	6,578	10,339	1,846	364,559	14,903	71,538
1911	33,092	7,572	14,347	5,313	1,093,371	36,743	18,869
1912	31,551	4,325	5,486	3,654	748,609	68,454	46,572
1913	30,942	8,210	15,943	3,953	725,319	74,649	6,043
1914	23,053	8,345	12,738	2,550	669,589	19,880	122,619
1915	94,350	8,315	9,622	3,546	895,420	31,658	53,033
1916	13,239	6,053	8,324	3,331	349,394	70,812	77,626

[1] Each stretch is treated as a separate river, and tonnage carried between ports on different stretches will appear in the statistics of all intervening stretches; consequently the sum of the tonnage carried in the four stretches does not represent the total traffic on the river as a whole.

No. 224.—Lower Mississippi River: Commerce (Receipts and Shipments), 1901 to 1916—Continued.

Section of river and year.	Iron, steel, and metals.	Groceries and provisions.	Gravel, sand, and stone.	Oil.[1]	Miscellaneous and unclassified.	Total.
St. Louis and Cairo:	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*
1901	29,122	83,656	.....	.....	67,573	563,848
1902	3,873	105,171	.....	.....	280,859	951,454
1903	82,797	35,485	.....	.....	79,230	649,181
1904	1,400	18,581	14,559	.....	93,574	386,486
1905	135	18,958	.....	.....	69,526	417,021
1906	325	7,779	37,800	.....	68,154	458,016
1907	739	2,100	1,000	.....	55,025	332,267
1908	15,925	12,156	14,550	.....	40,454	389,357
1909	4,999	11,247	.....	478	19,147	318,584
1910	188	10,694	45,314	35	43,998	289,759
1911	1,627	20,642	.....	6,400	23,166	326,139
1912	.....	14,151	184	14,632	36,478	276,208
1913	502	14,684	213	6,982	37,154	281,085
1914	178	5,967	156,571	52	58,855	325,164
1915	20,214	11,932	668,471	21,857	73,165	809,232
1916	4,468	9,061	771,753	19,569	75,051	1,065,773
Cairo and Memphis:						
1901	55,572	37,340	.....	.....	175,141	2,306,302
1902	247,565	15,317	.....	.....	155,121	2,548,331
1903	77,331	4,836	13,000	.....	112,467	2,250,260
1904	45,549	3,745	29,700	.....	92,978	2,153,254
1905	55,153	4,844	5,800	.....	43,550	2,238,303
1906	58,449	762	21,300	.....	88,020	1,719,893
1907	28,422	2,517	15,200	.....	83,496	1,835,746
1908	38,868	579	25,500	26	44,077	1,550,659
1909	34,835	13,160	16,830	2	15,603	1,232,093
1910	20,828	17,211	21,481	.....	20,897	1,039,195
1911	86,564	28,070	32,220	.....	29,942	1,857,616
1912	28,092	17,938	24,302	53	37,979	1,425,922
1913	22,108	18,741	38,728	40	39,620	1,261,662
1914	24,211	16,497	65,641	2	27,804	1,321,081
1915	33,941	15,572	826,460	7,852	49,606	2,193,026
1916	313	11,575	429,779	1,054	33,720	1,205,647
Memphis and Vicksburg:						
1901	32,851	74,221	.....	.....	44,442	1,856,339
1902	51,052	47,289	.....	.....	67,301	1,940,026
1903	44,369	31,191	10,000	.....	34,317	2,018,222
1904	16,246	28,739	19,000	.....	32,016	2,040,598
1905	16,409	30,471	19,336	.....	45,354	1,855,830
1906	35,898	32,507	491,458	.....	41,122	2,355,901
1907	22,278	27,646	72,660	4,234	40,357	1,661,406
1908	21,783	10,800	25,540	4,781	24,582	1,252,222
1909	10,949	25,971	541	2,746	24,743	1,071,037
1910	15,421	34,560	186,516	2,222	22,179	980,386
1911	11,130	24,199	228,303	2,025	30,273	1,910,854
1912	7,501	20,852	216,468	407	25,167	1,394,789
1913	9,662	20,092	331,812	671	35,318	1,542,456
1914	8,441	28,921	869,932	9,097	38,581	1,888,394
1915	24,831	45,860	892,940	38,579	76,444	2,198,814
1916	4,206	20,984	1,059,150	2,395	87,239	1,809,977
Vicksburg and New Orleans:						
1901	31,272	154,877	.....	.....	137,557	1,835,174
1902	51,714	193,099	.....	.....	399,500	2,159,258
1903	52,891	157,540	27,983	.....	187,030	2,207,692
1904	116,371	118,458	377,415	.....	186,466	2,117,840
1905	24,062	86,833	526,852	.....	382,932	2,462,974
1906	29,928	77,839	858,572	.....	397,127	2,554,336
1907	16,235	60,042	926,445	219,075	154,039	2,585,277
1908	20,333	100,005	321,498	261,869	70,184	1,867,912
1909	10,264	60,659	770,941	233,191	83,606	2,104,720
1910	9,707	58,941	657,656	223,984	81,709	1,530,230
1911	7,246	98,200	625,259	423,446	62,918	2,426,376
1912	8,209	101,372	264,000	419,658	105,850	1,807,740
1913	7,696	108,979	236,532	1,128,677	70,916	2,417,859
1914	7,577	65,166	392,838	956,784	62,484	2,343,623
1915	17,331	241,736	497,313	705,006	156,692	2,712,022
1916	2,185	75,268	290,457	1,201,581	135,968	2,234,238

[1] Included under "Miscellaneous and unclassified" prior to 1907.

No. 225.—ANNUAL AVERAGE FREIGHT RATES ON WHEAT BY LAKE AND CANAL, BY LAKE AND RAIL, AND BY ALL RAIL FROM CHICAGO TO NEW YORK, AND FROM NEW YORK TO LIVERPOOL BY STEAM: 1876 TO 1917.

[Source: Mr. Henry Heinzer, statistician, New York Produce Exchange.]

Calendar year.	Average rates per bushel, Chicago to New York.			New York to Liverpool.	Calendar year.	Average rates per bushel, Chicago to New York.			New York to Liverpool.
	By lake and canal.[1]	By lake and rail.	By all rail.			By lake and canal.[1]	By lake and rail.	By all rail.	
	Cents.	*Cents.*	*Cents.*	*Pence.*		*Cents.*	*Cents.*	*Cents.*	*Pence.*
1876	9.58	11.8	16.5	8	1897	4.35	7.37	12.32	$3\frac{1}{16}$
1877	11.24	15.8	20.3	7	1898	4.42	4.96	11.55	$3\frac{7}{16}$
1878	9.15	11.4	17.7	$7\frac{5}{8}$	1899	5.65	6.63	11.13	$2\frac{7}{16}$
1879	11.6	13.3	17.3	$6\frac{3}{16}$	1900	4.42	5.05	[3] 9.98	$3\frac{1}{8}$
1880	12.27	15.7	19.9	$5\frac{13}{16}$	1901	5.14	5.57	[3] 9.92	$1\frac{1}{4}$
1881	8.19	10.4	14.4	$4\frac{1}{8}$	1902	5.25	5.78	[3] 10.60	$1\frac{7}{16}$
1882	7.89	10.9	14.6	$3\frac{15}{16}$	1903	5.44	6.17	[3] 11.33	$1\frac{7}{16}$
1883	8.37	11.5	16.5	$4\frac{5}{16}$	1904	4.71	5.02	[3] 11.11	$1\frac{1}{8}$
1884	6.31	9.95	13.125	$3\frac{1}{8}$	1905	5.51	6.44	[3] 10.20	$1\frac{5}{8}$
1885	5.87	9.02	14.0	$2\frac{3}{16}$	1906	5.94	6.48	[3] 10.50	$1\frac{7}{16}$
1886	8.71	12.0	16.5	$3\frac{5}{16}$	1907	6.68	6.93	[3] 11.30	$1\frac{3}{4}$
1887	8.51	12.0	[2] 15.74	$2\frac{1}{8}$	1908	6.00	6.33	[3] 11.70	$1\frac{9}{16}$
1888	5.93	11.0	[2] 14.5	$2\frac{5}{8}$	1909	5.35	6.88	[3] 11.70	$1\frac{5}{8}$
1889	6.89	[2] 8.7	15.0	$3\frac{15}{16}$	1910	5.13	6.57	[3] 9.60	$1\frac{1}{2}$
1890	5.85	8.5	14.31	$2\frac{7}{16}$	1911	5.35	5.23	[3] 9.69	2
1891	5.96	8.53	15.0	$3\frac{1}{8}$	1912	5.57	6.17	[3] 9.60	$3\frac{11}{16}$
1892	5.61	7.55	14.23	$2\frac{5}{8}$	1913	5.74	7.01	[3] 9.60	$2\frac{11}{16}$
1893	6.33	8.44	14.7	$2\frac{3}{8}$	1914	5.31	6.54	[3] 9.60	3
1894	4.44	7.0	12.88	$1\frac{15}{16}$	1915	6.08	7.48	[3] 10.08	$13\frac{1}{4}$
1895	4.11	6.95	12.17	$2\frac{9}{16}$	1916	7.95	9.55	[3] 10.08	$18\frac{1}{4}$
1896	5.38	7.32	12.0	$2\frac{15}{16}$	1917	8.72	10.02	[3] 10.08	([4])

[1] Includes canal tolls prior to 1883, but not Buffalo transfer charges.
[2] Averages based upon officially published tariffs; actual rates lower.
[3] For domestic consumption; local rate for export only 9.08 cents in 1900, 9.02 cents in 1901, and 8.75 cents in 1902; and, when consigned or delivered to steamer, 8.89 cents in 1903, 8.47 cents in 1904, 7.99 cents in 1905, 8.10 cents in 1906, 9.70 cents in 1907, 10.50 cents in 1908 and 1909, 7.80 cents in 1910 to 1914, 8.22 cents in 1915 and 1916, and 9.18 cents in 1917.
[4] No freights quoted.

No. 226.—FREIGHT RATES ON WHEAT FROM BUFFALO TO NEW YORK AND ELEVATING AND STORAGE RATES AT BUFFALO: 1886 TO 1917.

[Source: Secretary of the Buffalo Chamber of Commerce.]

Calendar year.	Average canal freight rates.	Elevating, including storage.[1]	Calendar year.	Average canal freight rates.	Elevating, including storage.[1]
	Cents per bushel.	*Cents per bushel.*		*Cents per bushel.*	*Cents per bushel.*
1886	5.0	0.875	1902	3.8	0.500
1887	4.5	875	1903	4.0	.500
1888	3.4	.875	1904	3.2	.500
1889	4.8	.875	1905	3.9	.500
1890	3.8	.875	1906	4.2	.500
1891	3.5	.875	1907	5.0	.500
1892	3.5	.875	1908	5.0	.500
1893	4.6	.875	1909	3.9	.500
1894	3.2	.875	1910	4.0	.500
1895	2.2	.875	1911	4.3	.500
1896	3.7	.875	1912	4.4	.500
1897	2.8	.875	1913	4.6	.500
1898	2.8	.875	1914	4.3	.500
1899	3.0	.500	1915	4.6	.500
1900	2.5	.500	1916	5.0	.500
1901	3.5	.500	1917	([2])	([2])

[1] Storage varied; 5 to 10 days the limit.
[2] No available data.

No. 227.—AVERAGE FREIGHT RATES ON GRAIN, FLOUR, AND PROVISIONS (PER 100 POUNDS) FROM CHICAGO TO EUROPEAN PORTS BY ALL RAIL TO SEABOARD AND THENCE BY STEAMERS: CALENDAR YEARS 1907 TO 1916.[1]

[Source: Secretary of the Board of Trade, Chicago.]

Shipped to—	Article.	1907	1908	1909	1910	1911	1912	1913	1915	1916
		Dolls.	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*
Liverpool	Grain	0.1922	0.1901	0.1893	0.1815	0.1979	0.2561	0.2339	0.5968	0.5017
Do	Sacked flour	.2125	.2075	.2072	.1975	.2302	.2900	.3000	.6250	.8530
Do	Provisions	.4085	.4257	.4538	.4538	.4538	.4819	.5100	1.0600	1.7750
Glasgow	Grain	.1967	.1863	.1800	.1591	.2000	.2100	.2292	.5813	.4880
Do	Sacked flour	.2391	.2200	.2100	.2150	.2500	.3000	.3200	.6980	.8580
Do	Provisions	.4688	.4688	.4688	.4688	.4688	.5250	.5531	1.0009	1.7750
London	Grain	.2054	.1946	.1817	.1775	.2092	.2630	.2433	.5443	.4992
Do	Sacked flour	.2363	.2316	.2150	.2200	.2525	.2922	.3050	.6825	.8580
Do	Provisions	.4626	.4626	.4746	.4762	.4762	.5045	.5100	1.0388	1.7750
Antwerp	Grain	.....	.....	.....	.1805	.2026	.2550	.2462	.....	.....
Do	Sacked flour	.....	.....	.....	.....	.2700	.3370	.3560	.....	.....
Do	Provisions	.4556	.4959	.4942	.4944	.4944	.5235	.5522	.....	.....
Hamburg	Grain	.....	.....	.....	.....	.....	.....	.2616	.....	.....
Do	Sacked flour	.....	.....	.....	.....	.2770	.4500	.3700	.....	.....
Do	Provisions	.4600	.4949	.4909	.5000	.5000	.6200	.5533	.....	.....
Amsterdam	Grain	.....	.....	.....	.....	.2100	.3250	.2507	.....	.....
Do	Sacked flour	.....	.....	.....	.....	.2400	.3550	.3000	.....	.....
Do	Provisions	.4500	.4500	.4800	.4800	.4900	.6100	.5400	.....	.....
Rotterdam	Grain	.....	.....	.....	.....	.2000	.3200	.2507	.6943	.6143
Do	Sacked flour	.....	.....	.....	.....	.2800	.3550	.2900	.8833	.8675
Do	Provisions	.4500	.4500	.4700	.4700	.4800	.6000	.5300	.....	1.7180
Copenhagen	Sacked flour	.....	.....	.....	.....	.3100	.4800	.4000	.....	.8875
Do	Provisions	.5100	.5396	.5531	.5531	.5697	.7129	.6943	.....	1.7650
Stockholm	Sacked flour	.....	.....	.....	.....	.3600	.5200	.4300	.....	.....
Do	Provisions	.5300	.5466	.5672	.5672	.5978	.7499	.7314	.....	.....
Stettin	Sacked flour	.....	.....	.....	.....	.3100	.4900	.3900	.....	.....
Do	Provisions	.4900	.5185	.5391	.5391	.5556	.6987	.6801	.....	.....
Bordeaux	do	.5500	.5500	.5500	.5750	.5750	.6300	.7125	.....	.....
Havre	do	.....	.....	.....	.....	.5375	.6150	.6938	.....	.....

[1] During the first six months of the year 1914 rates paid on grain, flour, and provisions were quite low as compared with previous years; the European war, however, shortly after the beginning of hostilities, created a tremendous demand for tonnage and forced rates to the highest level known to this generation of shippers. Complete statements of freight averages for 1914 to 1916 are therefore impossible, and for 1917 no figures are available.

No. 228.—AVERAGE FREIGHT RATES ON GRAIN AND FLOUR FROM ST. LOUIS TO VARIOUS POINTS: 1899 TO 1917.

[Source: Secretary Merchants' Exchange, St. Louis, Mo.]

Calendar year.	To New Orleans by river.		To New York by rail.		To Liverpool.	
	On grain in sacks per 100 pounds.	On wheat in bulk by barges per bushel.	On wheat per 100 pounds.	On flour per barrel.	Via New Orleans (by river) on wheat per bushel.	Via New York (by rail) on wheat per bushel.
	Cents.	*Cents.*	*Cents.*	*Cents.*	*Cents.*	*Cents.*
1899	10.00	4.50	21.95	43.90	12.33	17.88
1900	10.00	[1]4.25	19.38	38.76	14.64	18.41
1901	10.00	[1]4.25	19.33	38.66	9.48	14.03
1902	10.00	[1]4.20	20.66	41.32	8.53	15.33
1903	10.00	[1]5.00	21.25	42.50	10.00	16.02
1904	.....	.....	21.51	43.02	.....	15.25
1905	.....	.....	20.50	41.00	.....	15.60
1906	.....	.....	20.50	41.00	.....	15.23
1907	.....	.....	20.50	41.00	.....	15.87
1908	.....	.....	19.50	40.00	.....	14.78
1909	.....	.....	19.00	40.00	.....	14.30
1910	.....	.....	19.00	39.40	.....	12.40
1911	.....	.....	19.00	39.40	.....	13.60
1912	.....	.....	19.00	39.40	.....	13.60
1913	.....	.....	19.00	39.40	.....	15.53
1914	.....	.....	19.00	39.40	.....	(2)
1915	.....	.....	19.80	41.00	.....	(2)
1916	.....	.....	19.80	43.87	.....	(2)
1917	.....	.....	19.80	43.87	.....	(2)

[1] F. o. b. New Orleans.
[2] For first seven months of 1914, 14.60 cents; after the start of the European war rates ranged from 14.60 to 27.60 cents in 1914; figures for 1914 to 1917 are not available.

No. 229.—CATTLE, HOGS, AND SHEEP: Receipts at Twelve Principal Western Markets, 1891 to 1917.

[Source: Reports of various stockyard associations.]

Calendar year.	Chicago.			Kansas City.			Omaha.		
	Cattle and calves.	Hogs.	Sheep.	Cattle and calves.	Hogs.	Sheep.	Cattle and calves.[1]	Hogs.	Sheep.
	Number.	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*
1891..	3,455,742	8,600,805	2,153,537	1,347,487	2,599,109	386,760	601,002	1,537,387	169,865
1892..	3,769,372	7,714,435	2,145,079	1,571,155	2,397,477	438,268	855,059	1,613,384	188,588
1893..	3,343,963	6,057,278	3,031,174	1,746,828	1,948,373	569,517	852,456	1,406,451	252,273
1894..	3,135,312	7,483,228	3,099,725	1,772,545	2,547,077	589,556	821,512	1,932,677	243,945
1895..	2,757,298	7,885,283	3,406,739	1,689,652	2,457,697	864,713	586,103	1,186,726	204,870
1896..	2,738,813	7,659,472	3,590,655	1,814,698	2,605,575	993,126	586,578	1,216,370	358,005
1897..	2,677,900	8,363,724	3,606,640	1,921,962	3,350,796	1,134,236	810,949	1,610,981	627,160
1898..	2,613,630	8,817,114	3,589,439	1,846,233	3,672,909	980,303	812,244	2,101,387	1,085,136
1899..	2,651,122	8,177,870	3,682,832	2,017,484	2,959,073	958,241	837,563	2,216,482	1,086,319
1900..	2,865,356	8,109,064	3,548,885	2,082,795	3,094,139	860,449	828,204	2,200,926	1,276,775
1901..	3,213,220	8,290,494	4,044,095	2,126,575	3,716,404	980,078	818,003	2,414,052	1,314,841
1902..	3,193,306	7,895,238	4,515,716	2,279,166	2,279,337	1,154,084	1,010,815	2,247,428	1,742,539
1903..	3,704,229	7,325,923	4,582,760	2,137,112	1,969,381	1,151,730	1,071,177	2,231,067	1,863,763
1904..	3,526,684	7,238,746	4,504,630	2,163,471	2,227,170	1,004,099	944,192	2,299,627	1,754,365
1905..	3,791,304	7,725,738	4,736,558	2,422,582	2,507,548	1,318,968	1,026,392	2,293,956	1,970,502
1906..	3,742,519	7,275,063	4,805,449	2,555,794	2,675,601	1,616,788	1,079,373	2,393,551	2,165,116
1907..	3,727,248	7,201,061	4,218,115	2,670,260	2,923,777	1,582,148	1,158,716	2,253,652	2,038,777
1908..	3,460,877	8,131,465	4,351,889	2,458,127	3,715,109	1,640,542	1,036,625	2,424,851	2,105,949
1909..	3,339,519	6,619,018	4,441,424	2,659,928	3,092,835	1,645,325	1,124,618	2,135,493	2,167,014
1910..	3,552,899	5,586,858	5,229,294	2,507,142	2,085,566	1,841,173	1,223,533	1,894,314	2,984,870
1911..	3,453,343	7,103,360	5,736,244	2,370,390	3,167,816	2,175,493	1,174,312	2,366,684	2,977,570
1912..	3,157,743	7,180,967	6,055,546	2,147,224	2,523,331	2,133,976	1,017,195	2,886,244	2,950,507
1913..	2,888,456	7,570,938	5,902,798	2,318,885	2,567,785	2,094,748	962,103	2,542,709	3,222,133
1914..	2,601,495	6,618,166	5,378,345	1,956,651	2,264,805	2,002,042	938,817	2,258,620	3,113,889
1915..	2,684,973	7,652,071	3,510,015	1,963,498	2,530,730	1,814,683	1,218,342	2,642,973	3,268,279
1916..	3,249,800	9,188,224	4,291,024	2,331,467	2,978,933	1,758,175	1,434,304	3,116,820	3,170,908
1917..	3,820,271	7,168,852	3,595,228	2,902,253	2,276,995	1,498,550	1,719,822	2,796,596	3,016,631

Calendar year.	St. Joseph.			St. Louis.			St. Paul.		
	Cattle and calves.	Hogs.	Sheep.	Cattle and calves.	Hogs.	Sheep.	Cattle and calves.	Hogs.	Sheep.
	Number.	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*
1891..	18,416	177,913	15,564	779,499	1,380,569	402,989	142,637	263,479	89,423
1892..	31,015	289,981	17,309	801,111	1,310,311	376,922	85,816	238,909	97,156
1893..	39,244	240,160	26,257	903,257	1,105,108	397,725	113,630	194,092	153,314
1894..	52,157	397,585	15,718	773,571	1,489,856	359,896	78,245	326,663	95,142
1895..	49,202	252,070	22,260	851,275	1,440,342	510,660	93,066	364,455	174,868
1896..	38,893	193,212	24,165	955,613	1,997,895	632,872	97,812	313,736	200,415
1897..	50,365	426,692	13,915	960,763	2,065,283	660,380	198,691	243,074	315,210
1898..	232,078	1,034,125	121,707	795,611	2,136,328	477,091	215,993	338,405	430,194
1899..	294,950	1,401,794	258,393	766,032	2,147,144	432,566	221,367	369,243	383,598
1900..	390,381	1,678,520	390,308	795,800	2,156,972	434,133	220,681	500,415	489,574
1901..	439,293	2,105,209	525,933	969,881	2,236,945	534,115	190,290	616,796	332,367
1902..	517,294	1,697,741	560,653	1,181,628	1,494,395	540,443	306,066	667,526	602,340
1903..	624,974	1,700,564	599,189	1,209,121	1,785,873	565,836	303,289	759,542	875,640
1904..	587,261	1,656,849	794,379	1,261,532	2,361,623	746,109	389,300	881,635	772,766
1905..	546,688	1,900,433	980,834	1,254,236	2,407,336	690,378	488,565	855,237	818,437
1906..	606,187	1,908,207	826,764	1,314,826	2,411,191	650,784	486,664	860,810	735,258
1907..	616,232	1,923,257	764,287	1,323,208	2,572,126	622,213	519,611	866,777	567,530
1908..	584,224	2,349,047	592,389	1,293,564	3,199,922	724,781	463,160	1,133,412	359,343
1909..	592,376	1,693,831	620,570	1,418,005	3,076,065	835,973	497,152	725,420	496,062
1910..	564,555	1,352,565	559,670	1,356,232	2,548,480	776,665	603,666	835,886	864,811
1911..	513,290	1,921,535	718,268	1,206,423	3,634,851	1,024,402	538,637	910,733	712,126
1912..	494,422	1,969,933	728,852	1,199,901	2,529,897	1,030,609	523,767	983,665	627,973
1913..	450,136	1,869,009	812,039	1,099,977	2,583,911	949,802	531,946	1,256,801	785,444
1914..	355,535	1,725,366	830,356	1,040,957	2,558,825	749,293	585,163	1,589,630	794,739
1915..	441,471	1,697,842	877,930	991,709	2,591,768	648,141	855,589	2,155,201	704,119
1916..	479,946	2,198,751	804,326	1,200,330	3,057,414	670,838	941,115	2,674,547	623,214
1917..	670,167	1,920,177	678,853	1,404,741	2,705,614	581,034	1,197,129	1,927,952	429,617

[1] Cattle only.

No. 229.—CATTLE, HOGS, AND SHEEP: RECEIPTS AT TWELVE PRINCIPAL WESTERN MARKETS, 1891 TO 1917—Continued.

Calendar year.	Sioux City.			Cincinnati.			Cleveland.[1]		
	Cattle and calves.	Hogs.	Sheep.	Cattle and calves.	Hogs.	Sheep.	Cattle and calves.	Hogs.	Sheep.
	Number.	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*
1891....	150,912	397,247	22,399	208,929	629,409	318,406	12,778	309,049	21,096
1892....	136,022	413,231	42,581	217,952	603,526	308,980	18,663	338,916	33,080
1893....	130,794	329,014	26,840	225,555	627,612	575,527	13,124	257,782	60,522
1894....	119,008	499,273	24,567	226,455	746,705	643,975	7,210	190,803	77,232
1895....	110,278	341,050	14,336	227,261	820,637	597,497	73,538	601,179	130,709
1896....	142,238	279,451	10,425	216,117	887,187	481,254	62,665	688,011	146,588
1897....	294,161	353,290	9,699	218,536	881,382	430,858	109,047	999,219	183,717
1898....	300,937	474,238	20,861	199,507	887,524	389,649	97,865	1,123,848	149,769
1899....	347,109	568,306	36,081	204,288	809,327	280,097	118,347	1,096,459	139,480
1900....	300,437	833,141	61,342	210,631	782,742	330,743	123,552	1,180,605	186,822
1901....	308,529	959,964	66,930	222,738	742,701	353,922	68,851	995,113	197,456
1902....	404,835	1,007,762	61,275	239,679	664,734	410,248	61,858	960,067	194,537
1903....	379,446	1,007,900	41,774	245,716	736,770	394,108	90,743	1,215,798	224,489
1904....	331,293	1,113,177	28,464	252,807	870,128	370,475	94,235	1,354,276	237,161
1905....	402,955	1,298,685	56,582	298,893	948,093	322,624	105,703	1,251,229	190,080
1906....	385,255	1,157,947	64,167	313,256	859,334	313,885	100,215	964,139	242,712
1907....	410,216	1,289,125	64,507	312,214	938,793	305,161	100,041	1,107,662	367,329
1908....	385,470	1,380,639	58,747	295,746	1,170,999	330,136	92,325	1,496,978	325,216
1909....	426,278	1,077,350	78,490	310,380	876,180	360,938	106,425	1,155,523	344,563
1910....	438,690	1,044,122	150,935	319,138	758,922	354,371	131,872	537,291	350,716
1911....	487,237	1,348,551	212,004	327,075	1,035,973	385,195	97,566	598,744	472,938
1912....	430,768	1,697,788	206,517	344,198	953,954	386,644	[2]88,755	562,373	473,190
1913....	393,711	1,533,178	270,866	316,612	908,669	437,202	[2]121,575	735,601	534,399
1914....	367,917	1,256,679	403,927	289,762	921,204	444,829	110,332	670,351	295,026
1915....	534,154	1,760,818	337,079	281,122	1,179,672	356,189	116,405	788,577	256,744
1916....	601,667	2,131,113	320,537	352,040	1,260,118	332,241	118,601	692,319	225,042
1917....	706,718	2,149,115	267,441	452,836	1,239,042	270,329	135,560	648,332	182,065

Calendar year.	Denver.			Indianapolis.			Wichita.		
	Cattle and calves.	Hogs.	Sheep.	Cattle and calves.	Hogs.	Sheep.	Cattle and calves.	Hogs.	Sheep.
	Number.	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*
1891....	141,204	80,060	165,616	104,875	1,319,930	65,081	.....	.....	.....
1892....	143,211	83,413	134,398	102,100	1,122,668	62,692	.....	.....	.....
1893....	154,739	62,111	130,373	85,581	878,882	83,303	55,759	81,255	3,023
1894....	147,506	94,099	138,990	91,017	963,511	108,924	35,217	65,377	4,849
1895....	185,646	47,598	156,412	106,439	1,108,724	123,427	31,763	81,801	5,729
1896....	202,013	56,537	180,639	135,253	1,255,405	120,890	16,306	100,911	18,534
1897....	248,888	75,065	308,661	147,740	1,252,761	97,369	21,058	188,416	8,146
1898....	287,678	81,645	284,305	134,786	1,681,362	84,665	20,831	253,541	11,844
1899....	282,928	120,096	221,142	136,579	1,545,881	65,106	25,563	204,745	10,111
1900....	239,606	115,986	305,828	139,722	1,323,018	67,005	23,903	291,501	18,358
1901....	227,325	109,360	225,555	211,053	1,486,519	125,614	27,212	333,072	2,158
1902....	324,154	86,685	316,594	213,179	1,251,351	102,580	31,628	192,723	6,348
1903....	286,271	146,580	464,896	248,951	1,530,888	101,024	33,287	265,216	14,093
1904....	265,462	161,954	519,190	274,710	1,668,771	89,945	29,144	312,423	3,053
1905....	294,044	190,525	737,905	299,784	1,975,816	61,561	43,397	293,491	7,201
1906....	328,751	192,720	825,766	350,016	1,869,353	76,570	46,789	301,649	11,288
1907....	306,907	241,393	828,432	378,873	1,955,382	72,674	95,666	436,119	7,464
1908....	420,462	280,288	675,235	407,149	2,484,226	111,848	109,414	741,341	12,066
1909....	426,372	241,570	634,327	416,759	1,832,598	111,386	183,659	751,560	22,796
1910....	398,868	186,611	595,930	417,375	1,487,174	128,001	208,241	551,993	35,498
1911....	298,437	220,137	617,008	394,269	2,028,731	153,686	194,063	568,244	53,837
1912....	415,817	221,718	776,760	390,238	1,824,260	154,414	[2]212,463	322,418	97,117
1913....	499,208	246,598	620,431	378,912	1,994,624	147,198	[2]212,971	470,730	32,219
1914....	442,738	255,636	692,247	344,245	2,099,787	124,591	[2]201,836	418,213	25,899
1915....	424,341	343,653	765,170	351,741	2,435,319	112,773	[2]153,035	476,469	29,604
1916....	601,460	466,653	1,409,009	405,069	2,576,611	98,142	220,133	572,679	20,875
1917....	653,377	351,903	2,049,898	501,156	2,350,730	102,293	354,933	471,837	25,424

[1] Figures from 1895 to date are from reports of the Cleveland Chamber of Commerce.
[2] Cattle only.

No. 230.—GRAIN RECEIVED:[1] BY SPECIFIED PORTS, CALENDAR YEARS 1903 TO 1917.

[Source: Annual reports of New York Produce Exchange.]

Port.[2]	1903	1904	1905	1906	1907
New York:	*Bushels.*	*Bushels.*	*Bushels.*	*Bushels.*	*Bushels.*
By canal, via river	12,900,100	9,649,880	9,804,675	11,769,800	9,558,500
Coastwise and river	739,807	1,319,632	755,567	244,815	254,613
By rail	111,429,639	81,196,902	111,787,340	017,618,105	112,397,811
Total	125,069,546	92,166,414	122,347,582	119,632,720	122,210,924
Portland, Me	23,964,852	15,940,114	17,723,683	19,184,965	25,061,918
Boston	31,072,197	24,374,770	32,445,637	35,136,397	37,776,856
Philadelphia	39,121,220	26,281,337	36,066,919	48,535,326	53,918,914
Baltimore	52,688,479	27,650,511	42,225,063	52,329,118	51,274,138
New Orleans	30,478,858	11,027,673	31,007,764	33,705,168	22,444,681
Grand total	302,395,152	197,440,819	281,816,648	308,523,694	312,687,431
Montreal, Canada	36,967,271	24,228,608	31,804,504	31,965,187	42,954,386

Port.[2]	1908	1909	1910	1911	1912
New York:	*Bushels.*	*Bushels.*	*Bushels.*	*Bushels.*	*Bushels.*
By canal, via river	7,228,000	9,676,000	11,000,700	7,895,000	3,530,600
Coastwise and river	957,259	1,863,504	441,588	3,913,254	4,268,675
By rail	95,532,736	82,895,110	86,635,278	107,411,728	122,371,905
Total	103,717,995	94,434,614	98,077,566	119,219,982	130,171,180
Portland, Me.[3]	.....	.....	.....	.....	.....
Boston	24,637,968	25,968,955	22,451,292	28,904,930	31,846,400
Philadelphia	44,614,736	35,126,455	30,120,980	41,195,845	43,423,348
Baltimore	40,329,270	31,654,690	32,861,922	42,123,546	55,010,887
New Orleans	17,737,501	17,127,626	16,213,444	15,919,182	21,530,971
Grand total	231,037,470	204,312,340	199,725,204	247,363,485	281,982,786
Montreal, Canada	41,006,738	43,551,119	45,427,290	49,325,297	59,393,707

Port.[2]	1913	1914	1915	1916	1917
New York:	*Bushels.*	*Bushels.*	*Bushels.*	*Bushels.*	*Bushels.*
By canal, via river	4,371,700	5,803,900	3,841,000	1,839,000	617,100
Coastwise and river	3,904,292	11,333,344	7,291,638	10,179,449	4,982,694
By rail	131,768,203	142,127,622	214,753,963	220,993,650	180,617,799
Total	140,044,195	159,264,866	225,886,601	233,012,099	186,217,593
Portland, Me.[3]	.....	.....	.....	.....	.....
Boston	42,046,105	26,033,229	28,132,085	42,788,468	27,133,944
Philadelphia	47,496,548	49,009,621	70,765,806	73,610,091	65,051,227
Baltimore	68,754,883	68,909,106	106,124,331	143,464,462	96,831,477
New Orleans	30,757,892	53,061,500	56,774,000	48,268,000	58,736,000
Grand total	329,099,623	356,278,322	487,682,823	541,143,120	433,970,241
Montreal, Canada	66,078,237	99,054,293	68,231,647	107,784,890	57,607,943

[1] Grain embraces wheat flour reduced to equivalent in wheat, corn, rye, oats, barley, malt, and peas.
[2] Receipts at New York, Portland, Boston, Philadelphia, and Baltimore include shipments from the West to foreign countries through these ports on through bills of lading. Receipts at Portland via Montreal are duplications of receipts reported at Montreal. Receipts at Baltimore include flour ground by city millers, and therefore duplicate an equivalent quantity of wheat received in grain.
[3] Data not available after 1907.

No. 231.—SHIPMENTS OF ANTHRACITE COAL: CALENDAR YEARS 1905, 1910, AND 1914 TO 1917.

[Source: The Coal Trade.]

Railroad.	1905	1910	1914	1915	1916	1917
	Long tons.	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*
Philadelphia & Reading	12,574,502	12,445,783	11,998,779	11,488,444	12,842,731	14,910,240
Lehigh Valley	10,072,120	11,195,765	13,136,759	12,932,526	12,056,078	13,969,507
Central of New Jersey	7,983,274	8,519,135	8,924,936	8,017,816	7,135,544	8,286,640
Delaware, Lackawanna & Western	9,554,046	9,589,076	9,912,578	9,579,053	10,638,500	12,409,120
Delaware & Hudson	4,890,635	6,578,356	7,313,514	8,016,988	7,095,297	8,533,716
Pennsylvania	6,225,622	6,250,976	6,434,937	6,124,596	5,841,475	5,610,846
Erie	5,640,528	7,554,198	8,268,585	7,874,062	7,718,089	8,841,894
New York, Ontario & Western	2,864,096	2,772,547	2,352,486	2,088,577	1,945,030	2,010,724
Delaware, Susquehanna & Schuylkill [1]	1,605,378	(1)	(1)	(1)	(1)	.....
Lehigh & New England	.....	.....	.....	1,761,714	2,653,964	3,949,172
Total	61,410,201	64,905,786	[2]68,342,574	67,883,776	67,926,708	78,521,859
Deductions [2]	.....	.....	.....	.....	550,344	1,388,554
Total, 10 roads	61,410,201	64,905,786	[2]68,342,574	67,883,776	67,376,364	77,133,305

[1] Now included in Lehigh Valley.
[2] Reported by both the C. R. R. of New Jersey and the L. & N. E. R. R.

No. 232.—MOVEMENTS OF COAL AND COKE OVER SPECIFIED RAILROADS: CALENDAR YEARS 1913 TO 1917.

[Source: Compiled from reports of the various roads.]

BITUMINOUS COAL.

Railroad.	1913	1914	1915	1916	1917
	Short tons.	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*
Baltimore & Ohio [1]	36,915,385	32,554,359	35,930,206	35,354,489	38,158,222
Buffalo, Rochester & Pittsburgh [1, 2]	9,723,992	8,059,756	8,511,316	9,450,671	10,258,424
Buffalo & Susquehanna [1, 2]	1,787,551	1,190,181	1,277,438	1,517,784	1,598,075
Chesapeake & Ohio [1]	17,155,233	20,663,520	24,038,298	26,731,383	25,715,776
Erie	[3] 350,590	[3] 75,818	[1,2] 10,357,805	8,636,186	8,292,210
Huntingdon & Broad Top Mountain [1, 2]	1,352,721	1,036,658	1,111,652	1,205,077	1,509,421
New York Central & Hudson River [3]	9,220,689	8,120,210	9,406,850	7,713,118	8,543,162
Norfolk & Western [1, 2]	23,892,469	25,471,969	29,728,206	30,749,390	28,571,966
Pennsylvania (east of Pittsburgh and Erie) [1, 3]	51,526,267	47,769,227	49,584,802	48,167,136	50,557,468
Pittsburgh & Lake Erie [1, 2]	12,783,389	10,703,478	11,046,893	11,528,401	11,768,671
Pittsburg, Shawmut & Northern [1, 2]	2,799,308	2,359,807	2,646,819	2,789,752	2,689,223
Southern [3]	4,215,614	3,904,503	3,446,042	4,065,622	[4] 1,392,380
Virginian [1, 2]	4,555,331	3,954,310	4,128,940	5,509,155	6,398,836
Western Maryland	2,958,601	3,069,708	6,807,474	8,654,099	9,314,395
Total, 14 roads	179,232,140	168,933,504	198,022,741	202,072,263	204,768,229

COKE.

Baltimore & Ohio [1]	4,281,240	3,202,381	3,792,125	4,345,521	3,471,003
Buffalo, Rochester & Pittsburgh [1, 2]	500,230	302,996	483,601	537,129	449,586
Buffalo & Susquehanna [1, 2]	301,475	447,354	579,944	454,127	404,527
Chesapeake & Ohio [1]	361,535	298,632	303,984	550,163	501,340
Erie	.....	.....	[1] 1,099,213	1,126,656	679,627
Huntingdon & Broad Top Mountain	(5)	[6] 9,635	[6] 53,489	71,839	75,923
New York Central & Hudson River [2]	36,207	.....	.....	.....	2,548,080
Norfolk & Western [1, 2]	1,530,384	1,018,611	990,296	2,048,314	11,998,437
Pennsylvania (east of Pittsburgh and Erie) [1, 3]	13,892,825	9,548,354	12,020,472	14,257,911	7,417,319
Pittsburgh & Lake Erie [1, 2]	6,710,138	4,839,185	6,198,316	7,764,578	19
Pittsburg, Shawmut & Northern [1, 2]	9,383	.....	25	70	759
Western Maryland	73,846	59,646	[1] 281,441	242,518	193,639
Total, 12 roads	27,696,763	19,726,794	25,802,906	31,398,826	24,269,256

[1] Includes amounts from connecting lines.
[2] Includes company coal.
[3] Does not include company coal hauled free.
[4] Figures relate to the whole system.
[5] No data received.
[6] Six months, July to December.

No. 233.—SALUT STE. MARIE CANALS: Analysis of Traffic Statistics, Seasons 1894 to 1917.

[Source: Annual reports of the United States engineer in charge.]

Season.	Freight carried.			Average distance freight was carried.	Total ton-miles.	Cost of carrying per ton-mile.	Amount paid for transporting freight.	Valuation of freight.	Value of American craft.	Value of Canadian craft.	Proportion of freight carried by Canadian vessels.
	Total.	By steamers.									
	Short tons.	*Short tons.*	*Per cent.*	*Miles.*		*Mills.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Per cent.*
1894	13,195,860	9,795,752	74	821.1	10,927,871,324	0.99	10,798,310	143,114,502	41,124,200	1,959,800	3.5
1895	15,062,580	10,581,474	70	830.0	12,502,548,892	1.14	14,238,758	159,575,129	40,858,800	2,037,000	3.75
1896	16,239,061	11,878,089	73	836.4	13,582,641,886	.99	13,511,615	195,146,842	43,006,200	2,135,300	4.0
1897	18,982,755	13,163,667	69	841.3	15,969,393,576	.83	13,220,099	218,235,927	42,375,700	2,001,400	3.0
1898	21,234,665	14,569,066	69	842.6	17,891,597,030	.79	14,125,896	233,069,740	45,199,800	2,491,900	2.2
1899	25,255,810	17,801,213	71	827.2	20,891,944,628	1.05	21,959,707	281,364,750	65,000,520	3,369,600	3.1
1900	25,643,073	19,586,750	77	825.9	21,179,229,014	1.18	24,953,314	267,041,959	66,116,583	3,618,576	3.0
1901	28,403,065	21,186,571	75	823.3	23,383,861,987	.99	23,217,974	289,906,865	57,244,200	3,311,900	4.0
1902	35,961,146	28,465,068	79	827.4	29,755,916,637	.89	26,566,189	358,306,300	67,205,000	3,792,400	4.0
1903	34,674,437	28,042,546	81	835.6	28,974,660,408	.92	26,727,735	349,405,014	68,252,800	6,384,500	6.0
1904	31,546,106	25,720,437	82	843.5	26,608,815,636	.81	21,552,894	334,502,686	63,789,300	5,377,100	6.0
1905	44,270,680	37,724,522	85	833.3	36,892,797,973	.85	31,420,585	416,965,484	73,211,300	5,429,000	5.0
1906	51,751,080	45,872,051	89	842.4	43,596,953,680	.84	36,666,889	537,463,454	88,392,000	6,140,500	5.0
1907	58,217,214	52,937,151	91	828.3	48,221,465,547	.80	38,457,345	569,830,188	102,525,500	7,918,000	5.0
1908	41,390,557	38,144,570	92	842.0	34,853,548,177	.69	23,903,244	470,141,318	101,643,000	10,054,000	7.0
1909	57,895,149	53,649,833	93	809.0	46,812,929,345	.78	36,291,948	626,104,173	116,192,000	10,707,000	6.0
1910	62,363,218	58,039,752	93	840.0	52,405,535,136	.74	38,710,904	654,010,844	123,061,500	11,675,000	6.0
1911	53,477,216	49,580,133	93	826.0	44,173,813,460	.67	29,492,196	595,019,844	109,336,000	12,211,500	7.0
1912	72,472,676	68,008,313	94	831.0	60,242,833,004	.67	40,578,225	791,357,837	125,618,800	12,927,500	6.0
1913	79,718,344	75,173,822	94	820.0	65,330,716,791	.68	44,380,864	865,957,838	127,125,500	15,295,700	6.0
1914	55,369,934	52,063,466	94	832.8	46,112,251,781	.60	27,597,099	634,800,268	117,211,000	17,420,700	9.0
1915	71,290,304	67,098,814	94	832.0	59,316,744,083	.71	41,984,031	882,263,141	123,472,700	15,936,700	6.0
1916	91,888,219	87,108,550	95	824.0	75,717,393,310	.80	60,845,023	974,161,156	129,170,500	15,757,700	6.0
1917	89,813,898	85,566,016	95	820.0	73,634,549,794	1.21	89,277,226	1,196,922,183	229,538,875	18,247,475	6.0