DECENNIAL STATISTICS.

Table 10, following, is itself a summary and not a detailed table. Together with Table 2, it presents the results of what is termed the decennial investigation, that is to say, the investigation into the operations of railroads from 1881 to 1889, inclusive, which, with the statistics of 1890, narrate the statistical history of railroads for the decade. The facts which this table presents are in the great majority of cases compiled from schedules filed by accounting officers of the railroads. In those cases only where official records had for some reason been destroyed or were in the hands of persons not subject to the census law has recourse been had to the reports of state railroad commissioners or other sources of information.

Two facts should be noted in order to judge properly of the compilation in question. In the first place, allowance should be made for what is termed "No data" mileage. In Table 2 will be found a statement of the length of line for each year covered by the investigation, both for the entire country and for the 10 territorial groups into which the country is divided. It was impossible to gather full information respecting all that mileage, and in the expectation that the completeness of reports would vary for the several classes of items compiled, a separate account was kept with each item, showing the exact number of miles covered by the report on any particular item. At the end of each division of this table will be found a statement of "No data" mileage, which shows the mileage in excess of that included in the compilation in question. All assignments per mile of line are on the basis of mileage covered by reports and not of aggregate mileage. It was thought wise to give "No data" mileage in full, so that any person making use of this report may determine what degree of confidence is to be placed in the results presented.

The second fact to be held in mind pertains to the difference in the basis of the compilations for the 9 years 1881 to 1889, inclusive, and the year 1890. In the former period operating roads only are included, while the statistics of 1890 cover both operating and subsidiary lines. Where the items pertain to operation, as, for example, amount of traffic, gross earnings from operation, or operating expenses (and most of the items in this table are of this sort), the comparison may be carried to include the figures for 1890; but in such items as interest on bonds and dividends on stocks the comparison should close with 1889. With these explanations the table may be correctly interpreted.

The following statement pertains to the amount of business done by the railroads for the 10 years:

NUMBER OF PASSENGERS CARRIED, NUMBER OF PASSENGERS CARRIED 1 MILE, NUMBER OF TONS OF FREIGHT MOVED, AND NUMBER OF TONS OF FREIGHT MOVED 1 MILE FOR EACH YEAR OF THE DECADE 1881–1890, INCLUSIVE.

ITEMS.	1881	1882	1883	1884	1885
United States:					
Number of passengers carried	240,747,900	285,934,917	305,466,999	332,105,449	340,851,632
Number of passengers carried 1 mile	6,493,434,755	7,681,578,395	8,246,522,055	8,574,460,432	8,644,234,430
Tons of freight moved	326,713,946	353,646,931	375,395,381	388,211,441	411,105,012
Tons of freight moved 1 mile	38,108,826,793	40,213,710,847	43,878,284,320	45,863,411,398	49,253,177,841
Group I:					
Number of passengers carried	57,785,393	66,063,409	71,771,348	75,458,562	78,162,770
Number of passengers carried 1 mile	974,822,427	1,111,074,123	1,167,124,856	1,218,371,634	1,232,583,049
Tons of freight moved	27,813,142	28,447,141	29,949,937	29,164,467	29,490,704
Tons of freight moved 1 mile	1,551,424,792	1,654,994,049	1,769,742,400	1,756,057,433	1,786,102,501
Group II:					
Number of passengers carried	97,521,229	114,562,471	115,511,874	129,759,904	135,807,331
Number of passengers carried 1 mile	1,973,531,579	2,284,573,893	2,333,203,776	2,455,019,245	2,592,763,347
Tons of freight moved	140,987,069	150,108,154	155,219,817	156,626,247	164,327,543
Tons of freight moved 1 mile	14,736,002,240	15,143,022,415	15,710,012,304	16,020,063,145	17,209,377,628
Group III:					
Number of passengers carried	33,033,333	37,774,579	41,352,620	42,954,972	40,678,234
Number of passengers carried 1 mile	1,252,873,712	1,391,466,240	1,475,267,526	1,452,580,722	1,435,281,073
Tons of freight moved	71,697,923	74,800,829	78,003,442	82,592,054	88,646,457
Tons of freight moved 1 mile	9,451,092,923	9,445,604,790	9,894,360,333	10,689,880,638	11,719,801,277
Group IV:					
Number of passengers carried	3,147,725	4,207,972	4,834,498	5,415,303	5,553,218
Number of passengers carried 1 mile	127,172,534	165,785,428	182,729,397	194,600,691	198,330,312
Tons of freight moved	8,613,189	9,666,142	11,197,934	11,507,840	12,773,477
Tons of freight moved 1 mile	661,687,993	774,341,279	982,324,582	976,730,338	1,219,014,038
Group V:					
Number of passengers carried	5,241,109	6,574,991	10,003,827	11,897,360	13,023,772
Number of passengers carried 1 mile	229,488,898	278,223,292	359,559,060	442,804,413	541,866,883
Tons of freight moved	10,937,734	12,653,608	16,087,729	18,084,956	20,791,235
Tons of freight moved 1 mile	1,201,693,390	1,426,450,619	1,714,331,064	1,950,817,120	2,230,218,083

NUMBER OF PASSENGERS CARRIED, NUMBER OF PASSENGERS CARRIED 1 MILE, NUMBER OF TONS OF FREIGHT MOVED, AND NUMBER OF TONS OF FREIGHT MOVED 1 MILE FOR EACH YEAR, ETC.—Continued.

ITEMS.	1881	1882	1883	1884	1885
Group VI:					
Number of passengers carried	27,600,586	35,062,638	37,070,162	30,225,030	39,004,434
Number of passengers carried 1 mile	1,099,082,896	1,426,807,906	1,512,558,343	1,531,560,229	1,428,619,428
Tons of freight moved	46,604,728	52,331,808	54,856,647	56,360,862	59,134,925
Tons of freight moved 1 mile	6,823,500,892	7,465,042,040	8,714,651,965	9,082,033,069	9,315,513,717
Group VII:					
Number of passengers carried	1,137,692	1,506,592	2,041,324	2,390,035	2,821,094
Number of passengers carried 1 mile	122,167,941	149,730,125	175,133,195	203,108,455	208,625,257
Tons of freight moved	2,997,206	3,511,375	4,891,439	5,834,108	6,390,568
Tons of freight moved 1 mile	725,171,150	788,057,845	939,770,722	1,069,613,817	1,154,999,560
Group VIII:					
Number of passengers carried	4,498,874	6,766,552	7,910,914	9,451,198	10,050,793
Number of passengers carried 1 mile	363,118,758	424,951,591	470,054,017	495,966,726	438,909,670
Tons of freight moved	10,426,360	13,479,435	16,435,105	17,824,565	18,688,107
Tons of freight moved 1 mile	1,862,916,107	2,013,733,262	2,513,081,913	2,694,115,342	2,779,540,364
Group IX:					
Number of passengers carried	1,389,334	1,890,331	2,932,087	2,928,512	2,875,161
Number of passengers carried 1 mile	71,856,208	109,571,848	167,794,131	159,617,675	158,458,060
Tons of freight moved	3,012,867	4,164,620	4,074,999	4,424,550	4,375,976
Tons of freight moved 1 mile	432,558,022	620,958,161	777,186,049	737,233,024	752,296,176
Group X:					
Number of passengers carried	9,392,625	10,585,382	12,029,345	12,033,573	12,868,825
Number of passengers carried 1 mile	279,319,802	339,393,949	403,037,154	420,830,632	408,706,754
Tons of freight moved	3,623,728	4,423,819	4,678,282	5,191,792	5,877,020
Tons of freight moved 1 mile	662,779,374	880,906,387	862,822,988	886,867,532	1,094,800,491

ITEMS.	1886	1887	1888	1889	1890
United States:					
Number of passengers carried	371,320,044	414,848,281	449,362,370	481,900,061	498,070,093
Number of passengers carried 1 mile	9,328,106,528	10,369,564,383	11,159,162,407	11,672,476,293	11,992,112,154
Tons of freight moved	460,291,177	534,105,547	566,128,440	604,141,536	640,452,348
Tons of freight moved 1 mile	54,358,139,273	62,574,067,106	66,053,554,661	69,519,467,029	79,172,464,706
Group I:					
Number of passengers carried	84,797,903	92,343,418	98,525,229	103,070,947	110,738,835
Number of passengers carried 1 mile	1,327,206,119	1,448,031,252	1,507,430,484	1,546,543,718	1,726,449,972
Tons of freight moved	32,431,674	33,730,833	34,038,358	35,065,576	39,475,504
Tons of freight moved 1 mile	1,949,953,564	2,069,349,272	2,233,567,679	2,303,379,002	2,812,882,398
Group II:					
Number of passengers carried	149,036,118	162,613,323	172,969,462	187,102,252	194,146,034
Number of passengers carried 1 mile	2,695,588,186	2,892,229,303	3,054,187,614	3,275,932,636	3,352,084,718
Tons of freight moved	184,180,321	210,654,246	227,951,296	235,560,067	237,293,176
Tons of freight moved 1 mile	18,802,575,270	20,840,702,948	22,147,682,338	22,765,668,394	26,352,948,510
Group III:					
Number of passengers carried	44,053,722	48,653,016	53,041,265	57,373,324	58,326,482
Number of passengers carried 1 mile	1,500,638,277	1,640,802,369	1,779,917,431	1,822,438,201	1,750,115,768
Tons of freight moved	99,646,400	115,102,672	120,059,508	129,495,990	139,372,456
Tons of freight moved 1 mile	12,301,047,022	14,198,419,495	14,422,668,621	15,015,079,851	16,587,290,953
Group IV:					
Number of passengers carried	5,629,771	6,596,501	7,810,426	9,313,245	10,004,597
Number of passengers carried 1 mile	209,453,305	235,253,176	282,172,881	322,076,605	336,237,140
Tons of freight moved	14,122,410	16,214,253	18,836,577	23,282,023	19,215,102
Tons of freight moved 1 mile	1,488,793,128	1,832,693,227	2,032,140,074	2,481,480,346	2,875,523,610
Group V:					
Number of passengers carried	12,958,923	16,282,810	19,245,852	21,082,870	20,848,704
Number of passengers carried 1 mile	461,465,771	568,483,314	648,508,303	683,176,854	752,373,648
Tons of freight moved	23,319,652	30,229,733	33,284,144	39,272,740	44,382,018
Tons of freight moved 1 mile	2,537,792,616	3,286,472,423	3,837,962,651	4,308,399,537	4,820,580,025
Group VI:					
Number of passengers carried	42,944,211	48,744,736	53,186,332	56,196,981	57,002,443
Number of passengers carried 1 mile	1,522,029,043	1,668,936,912	1,802,193,414	1,860,375,916	1,830,036,648
Tons of freight moved	63,921,724	74,587,710	77,124,546	82,971,517	91,036,235
Tons of freight moved 1 mile	9,879,589,461	11,389,396,010	11,895,081,172	12,535,597,801	14,024,612,907
Group VII:					
Number of passengers carried	3,545,208	4,379,550	4,790,117	4,832,779	5,024,550
Number of passengers carried 1 mile	271,585,786	313,852,212	332,776,702	344,754,381	397,729,402
Tons of freight moved	7,340,493	8,850,437	9,321,846	9,894,107	13,025,881
Tons of freight moved 1 mile	1,362,339,743	1,620,296,060	1,818,357,311	1,777,910,045	2,326,080,432
Group VIII:					
Number of passengers carried	10,795,702	14,850,605	15,722,748	16,610,784	15,570,111
Number of passengers carried 1 mile	619,082,965	761,865,183	755,982,772	759,183,373	794,083,470
Tons of freight moved	21,566,380	28,430,190	25,946,077	28,767,270	31,587,603
Tons of freight moved 1 mile	3,349,416,174	4,206,034,066	4,026,585,857	4,423,324,980	5,279,307,549
Group IX:					
Number of passengers carried	3,448,240	4,106,881	4,609,083	5,649,699	5,232,830
Number of passengers carried 1 mile	199,216,957	227,071,589	245,996,424	272,204,478	292,629,782
Tons of freight moved	6,145,926	7,495,752	7,761,303	8,847,953	11,398,302
Tons of freight moved 1 mile	1,172,587,220	1,389,153,973	1,569,996,366	1,841,832,358	2,085,543,291
Group X:					
Number of passengers carried	14,110,246	16,277,441	18,852,856	20,667,180	21,070,417
Number of passengers carried 1 mile	521,840,119	613,039,073	749,987,382	785,790,131	709,771,510
Tons of freight moved	7,616,187	8,809,721	10,904,785	10,982,499	10,066,711
Tons of freight moved 1 mile	1,514,045,075	1,740,619,632	2,069,512,592	2,066,794,715	2,007,659,676

These figures evidence a marked growth in the service rendered by railroads, although that growth can not be said to have been either steady from year to year or evenly distributed over the country. A scrutiny of the figures shows that in the years 1884 and 1885 the development of railroad service suffered a check, the results of which are evident in every branch of the inquiry. It was not until 1887 that the railroads seem fully to have recovered from the depression beginning in the latter part of 1883.

The statement following shows the amount of earnings from passenger service and from freight service, both in gross and assigned to a mileage basis, and also the receipts per passenger per mile and per ton of freight per mile:

AMOUNT OF EARNINGS FROM PASSENGER AND FROM FREIGHT SERVICE, AMOUNTS PER MILE OF OPERATED LINE, AND RECEIPTS PER MILE PER PASSENGER AND PER TON OF FREIGHT.

ITEMS.	1881	1882	1883	1884	1885
United States:					
Earnings from passenger service	$189,250,182.04	$221,092,472.79	$235,724,861.13	$240,344,269.55	$231,310,357.14
Earnings from passenger service per mile of line	$2,017.46	$2,103.56	$2,053.54	$1,990.58	$1,870.88
Earnings from freight service	$488,853,099.55	$515,830,426.11	$557,484,735.07	$532,117,731.17	$522,019,210.63
Earnings from freight service per mile of line	$5,211.16	$4,907.80	$4,856.59	$4,427.03	$4,222.18
Receipts per mile per passenger....cents.	2.251	2.218	2.390	2.217	2.113
Receipts per mile per ton of freight....cents.	1.191	1.184	1.191	1.093	1.090
Group I:					
Earnings from passenger service	$23,380,368.84	$26,052,624.60	$27,384,691.26	$27,748,110.59	$27,366,153.36
Earnings from passenger service per mile of line	$4,095.57	$4,484.06	$4,570.10	$4,579.74	$4,478.60
Earnings from freight service	$27,104,472.04	$28,871,250.56	$30,823,777.95	$29,246,266.44	$28,413,849.70
Earnings from freight service per mile of line	$4,747.92	$4,969.19	$5,144.04	$4,827.01	$4,650.12
Receipts per mile per passenger....cents.	2.087	2.047	2.049	1.994	1.939
Receipts per mile per ton of freight....cents.	1.701	1.705	1.702	1.590	1.545
Group II:					
Earnings from passenger service	$50,182,054.12	$56,615,429.98	$58,568,592.31	$60,300,248.49	$56,993,606.94
Earnings from passenger service per mile of line	$3,377.85	$3,632.36	$3,543.16	$3,523.13	$3,272.87
Earnings from freight service	$152,133,539.15	$154,990,603.90	$162,443,838.80	$152,171,992.63	$144,020,044.45
Earnings from freight service per mile of line	$10,240.39	$9,943.96	$9,827.18	$8,890.87	$8,270.38
Receipts per mile per passenger....cents.	2.137	2.122	2.165	2.117	1.895
Receipts per mile per ton of freight....cents.	0.984	0.990	1.005	0.921	0.810
Group III:					
Earnings from passenger service	$31,967,356.93	$36,832,124.78	$39,034,740.48	$38,530,869.20	$35,574,814.55
Earnings from passenger service per mile of line	$2,161.43	$2,233.46	$2,092.12	$1,979.28	$1,807.28
Earnings from freight service	$77,673,020.85	$77,977,549.10	$86,228,682.64	$80,301,028.60	$76,344,987.38
Earnings from freight service per mile of line	$5,251.77	$4,728.46	$4,621.53	$4,124.96	$3,878.50
Receipts per mile per passenger....cents.	2.116	2.134	2.059	2.076	1.998
Receipts per mile per ton of freight....cents.	0.810	0.784	0.815	0.729	0.629
Group IV:					
Earnings from passenger service	$5,359,087.76	$6,353,670.94	$6,932,322.61	$7,293,361.76	$7,270,146.93
Earnings from passenger service per mile of line	$1,116.86	$1,146.35	$1,172.26	$1,172.13	$1,150.52
Earnings from freight service	$12,419,308.65	$14,152,849.51	$16,093,589.06	$15,263,445.49	$15,472,276.18
Earnings from freight service per mile of line	$2,588.24	$2,553.50	$2,721.44	$2,453.02	$2,461.29
Receipts per mile per passenger....cents.	3.101	2.975	3.102	2.769	2.770
Receipts per mile per ton of freight....cents.	1.546	1.547	1.380	1.277	1.065
Group V:					
Earnings from passenger service	$11,221,186.21	$12,660,158.53	$14,130,202.72	$15,745,449.10	$17,238,379.35
Earnings from passenger service per mile of line	$1,342.35	$1,206.22	$1,367.11	$1,386.58	$1,390.75
Earnings from freight service	$27,331,472.33	$29,118,564.62	$31,960,772.14	$32,956,087.02	$34,490,741.34
Earnings from freight service per mile of line	$3,269.56	$2,981.32	$3,092.22	$2,902.26	$2,782.64
Receipts per mile per passenger....cents.	2.863	2.594	2.632	2.458	2.211
Receipts per mile per ton of freight....cents.	1.596	1.400	1.472	1.363	0.126
Group VI:					
Earnings from passenger service	$33,562,505.18	$42,295,626.90	$44,802,995.47	$45,152,572.17	$42,415,719.72
Earnings from passenger service per mile of line	$1,360.24	$1,580.44	$1,556.24	$1,539.34	$1,443.68
Earnings from freight service	$99,238,704.54	$105,538,601.04	$113,855,211.13	$110,050,047.49	$112,071,571.67
Earnings from freight service per mile of line	$4,022.00	$3,943.61	$3,980.21	$3,751.82	$3,814.51
Receipts per mile per passenger....cents.	2.454	2.418	2.442	2.419	2.428
Receipts per mile per ton of freight....cents.	1.402	1.363	1.276	1.181	1.166
Group VII:					
Earnings from passenger service	$4,662,757.81	$5,738,677.97	$6,729,558.88	$7,425,770.90	$7,153,662.79
Earnings from passenger service per mile of line	$1,635.95	$1,685.14	$1,833.47	$1,863.08	$1,467.48
Earnings from freight service	$17,621,953.20	$19,637,362.23	$21,715,307.81	$21,046,789.08	$20,863,753.73
Earnings from freight service per mile of line	$6,182.73	$5,766.42	$5,916.33	$4,713.65	$4,279.94
Receipts per mile per passenger....cents.	3.181	3.194	3.202	3.047	2.857
Receipts per mile per ton of freight....cents.	2.430	2.492	2.311	1.968	1.807
Group VIII:					
Earnings from passenger service	$14,726,746.38	$16,301,067.31	$17,242,815.23	$17,185,821.03	$17,323,179.55
Earnings from passenger service per mile of line	$1,590.39	$1,651.58	$1,549.49	$1,496.28	$1,490.05
Earnings from freight service	$39,597,650.91	$42,537,534.89	$48,205,749.97	$48,711,307.70	$47,188,519.03
Earnings from freight service per mile of line	$4,276.27	$4,285.05	$4,337.29	$4,241.03	$4,058.91
Receipts per mile per passenger....cents.	3.162	3.096	2.851	2.834	3.220
Receipts per mile per ton of freight....cents.	1.999	2.051	1.867	1.784	1.671
Group IX:					
Earnings from passenger service	$3,703,547.16	$5,293,860.74	$6,608,129.91	$6,451,886.93	$6,166,265.03
Earnings from passenger service per mile of line	$1,063.56	$1,093.90	$1,113.45	$1,067.90	$899.20
Earnings from freight service	$12,954,496.57	$16,659,801.03	$19,688,485.27	$17,197,071.50	$16,505,426.21
Earnings from freight service per mile of line	$3,720.19	$3,159.27	$3,317.46	$2,844.16	$2,406.91
Receipts per mile per passenger....cents.	3.762	3.697	3.039	3.077	3.172
Receipts per mile per ton of freight....cents.	2.512	2.359	2.247	2.041	2.056
Group X:					
Earnings from passenger service	$10,490,571.65	$12,858,631.04	$14,200,722.26	$14,510,179.38	$13,808,428.32
Earnings from passenger service per mile of line	$2,085.53	$1,965.68	$1,781.65	$1,677.86	$1,532.73
Earnings from freight service	$22,778,472.31	$26,346,309.24	$26,409,259.70	$25,171,895.13	$26,648,046.94
Earnings from freight service per mile of line	$4,528.37	$4,027.53	$3,292.50	$2,910.71	$2,957.93
Receipts per mile per passenger....cents.	3.120	3.124	2.959	2.959	2.821
Receipts per mile per ton of freight....cents.	3.208	2.623	2.825	2.641	2.244

AMOUNT OF EARNINGS FROM PASSENGER AND FROM FREIGHT SERVICE, AMOUNTS PER MILE OF OPERATED LINE, AND RECEIPTS PER MILE PER PASSENGER AND PER TON OF FREIGHT—Continued.

ITEMS.	1886	1887	1888	1889	1890
United States:					
Earnings from passenger service	$244,660,155.39	$274,833,392.60	$289,058,471.04	$303,032,672.22	$314,885,050.23
Earnings from passenger service per mile of line	$1,884.33	$1,933.32	$1,920.38	$1,953.94	$1,962.71
Earnings from freight service	$566,085,340.07	$639,712,732.62	$651,895,752.98	$686,769,645.42	a$759,219,493.90
Earnings from freight service per mile of line	$4,359.88	$4,500.07	$4,330.92	$4,428.25	$4,732.29
Receipts per mile per passenger.....cents.	2.065	2.111	2.069	2.239	2.064
Receipts per mile per ton of freight.....cents.	0.980	0.970	0.944	0.955	0.904
Group I:					
Earnings from passenger service	$29,305,992.04	$31,499,751.67	$33,242,378.29	$33,431,151.11	$36,619,014.16
Earnings from passenger service per mile of line	$4,760.70	$4,985.16	$5,211.34	$5,417.15	$5,351.20
Earnings from freight service	$31,159,319.67	$33,068,314.30	$34,342,012.14	$33,981,444.53	$40,429,374.32
Earnings from freight service per mile of line	$5,061.77	$5,233.40	$5,383.74	$5,506.32	$5,906.70
Receipts per mile per passenger.....cents.	1.933	1.897	1.948	1.897	1.879
Receipts per mile per ton of freight.....cents.	1.556	1.551	1.512	1.444	1.430
Group II:					
Earnings from passenger service	$62,167,784.54	$68,244,527.45	$70,056,303.18	$74,365,987.69	$76,547,497.55
Earnings from passenger service per mile of line	$3,510.64	$3,817.28	$3,870.38	$4,090.79	$4,081.88
Earnings from freight service	$158,339,053.49	$177,156,205.40	$186,663,545.73	$187,003,091.37	$202,381,607.38
Earnings from freight service per mile of line	$8,941.48	$9,909.28	$10,312.56	$10,286.80	$10,791.05
Receipts per mile per passenger.....cents.	2.021	2.060	2.015	2.006	2.003
Receipts per mile per ton of freight.....cents.	0.825	0.832	0.826	0.811	0.757
Group III:					
Earnings from passenger service	$37,052,902.40	$42,696,412.47	$45,062,879.99	$47,050,870.36	$47,310,847.41
Earnings from passenger service per mile of line	$1,902.28	$2,068.56	$2,104.94	$2,179.41	$2,187.06
Earnings from freight service	$87,644,415.40	$104,477,562.10	$101,102,331.13	$106,151,097.80	$117,470,493.46
Earnings from freight service per mile of line	$4,392.43	$5,061.73	$4,722.60	$4,916.90	$5,430.36
Receipts per mile per passenger.....cents.	2.015	2.106	2.058	2.105	2.170
Receipts per mile per ton of freight.....cents.	0.683	0.716	0.687	0.692	0.685
Group IV:					
Earnings from passenger service	$7,427,467.07	$8,217,969.62	$9,163,458.60	$9,748,763.62	$11,676,472.22
Earnings from passenger service per mile of line	$1,127.15	$1,155.72	$1,176.06	$1,227.32	$1,294.85
Earnings from freight service	$16,556,059.27	$18,643,856.17	$20,266,813.45	$23,096,298.90	$26,391,958.87
Earnings from freight service per mile of line	$2,512.46	$2,621.95	$2,601.09	$2,907.71	$2,926.71
Receipts per mile per passenger.....cents.	2.643	2.618	2.610	2.603	2.590
Receipts per mile per ton of freight.....cents.	0.924	0.842	0.887	0.873	0.874
Group V:					
Earnings from passenger service	$16,430,016.08	$18,402,042.95	$19,828,162.40	$20,989,083.85	$23,262,547.44
Earnings from passenger service per mile of line	$1,265.65	$1,320.94	$1,305.66	$1,291.41	$1,378.99
Earnings from freight service	$37,247,927.91	$42,178,046.10	$46,005,908.74	$50,178,520.85	$55,869,184.51
Earnings from freight service per mile of line	$2,869.31	$3,027.65	$3,029.43	$3,087.37	$3,311.89
Receipts per mile per passenger.....cents.	2.449	2.408	2.215	2.351	2.266
Receipts per mile per ton of freight.....cents.	1.212	1.142	1.046	1.060	1.019
Group VI:					
Earnings from passenger service	$43,778,090.01	$48,829,855.23	$49,957,786.24	$52,542,217.31	$53,430,988.26
Earnings from passenger service per mile of line	$1,373.05	$1,452.72	$1,417.37	$1,434.23	$1,407.76
Earnings from freight service	$114,954,469.18	$124,309,966.75	$116,561,020.55	$128,025,123.60	$146,703,363.35
Earnings from freight service per mile of line	$3,605.42	$3,698.31	$3,306.99	$3,511.05	$3,865.22
Receipts per mile per passenger.....cents.	2.330	2.407	2.286	2.328	2.319
Receipts per mile per ton of freight.....cents.	1.118	1.056	0.959	1.004	0.989
Group VII:					
Earnings from passenger service	$7,773,740.85	$8,989,373.27	$9,714,933.81	$10,150,654.44	$12,404,884.15
Earnings from passenger service per mile of line	$1,368.59	$1,582.04	$1,710.05	$1,209.35	$1,411.45
Earnings from freight service	$22,418,210.85	$25,066,999.65	$26,180,536.93	$27,884,670.98	$32,760,803.33
Earnings from freight service per mile of line	$3,946.78	$3,296.13	$3,260.95	$3,322.18	$3,727.57
Receipts per mile per passenger.....cents.	2.385	2.387	2.433	2.454	2.212
Receipts per mile per ton of freight.....cents.	1.646	1.547	1.440	1.568	1.199
Group VIII:					
Earnings from passenger service	$18,130,640.88	$22,904,397.95	$22,939,841.07	$24,253,405.88	$23,071,205.81
Earnings from passenger service per mile of line	$1,463.37	$1,374.32	$1,200.85	$1,209.40	$1,141.12
Earnings from freight service	$49,742,829.04	$59,207,324.25	$56,209,758.42	$61,384,771.69	$66,855,514.84
Earnings from freight service per mile of line	$4,014.88	$3,552.59	$2,947.17	$3,060.06	$3,306.72
Receipts per mile per passenger.....cents.	2.418	2.471	2.428	2.508	2.359
Receipts per mile per ton of freight.....cents.	1.479	1.395	1.348	1.360	1.239
Group IX:					
Earnings from passenger service	$6,871,956.40	$7,644,077.42	$8,075,600.54	$9,000,820.84	$9,627,428.74
Earnings from passenger service per mile of line	$942.88	$889.96	$894.47	$979.35	$1,047.05
Earnings from freight service	$19,245,421.34	$22,194,860.48	$23,009,391.79	$28,294,340.19	$30,824,173.70
Earnings from freight service per mile of line	$2,640.59	$2,584.03	$2,615.03	$3,078.62	$3,352.34
Receipts per mile per passenger.....cents.	2.725	2.646	2.530	2.539	2.751
Receipts per mile per ton of freight.....cents.	1.491	1.410	1.321	1.315	1.421
Group X:					
Earnings from passenger service	$14,821,556.12	$17,404,984.57	$21,017,126.92	$21,499,708.12	$20,934,170.47
Earnings from passenger service per mile of line	$1,609.06	$1,775.20	$2,050.64	$2,012.94	$1,875.40
Earnings from freight service	$28,787,633.92	$33,409,687.42	$40,864,404.10	$40,169,385.51	$39,542,020.14
Earnings from freight service per mile of line	$3,125.25	$3,407.58	$3,987.14	$3,760.91	$3,542.50
Receipts per mile per passenger.....cents.	2.335	2.311	2.411	2.362	2.282
Receipts per mile per ton of freight.....cents.	1.696	1.698	1.910	1.903	1.695

a Includes $24,693,767.09 other earnings from operation.

A number of facts are disclosed by this statement. It is noticed, in the first place, that in the case of 4 groups only are the receipts per mile of line for both passenger and freight service greater in 1890 than in 1881: in the case of Groups I, II, III, and IV. In the case of Group V freight receipts per mile of line show an increase, but passenger receipts a decrease, while all other groups, as also the entire country, show a decrease in both passenger and freight earnings per mile of line during the decade under investigation. A second fact of importance is that the years 1884 and 1885 show a decrease in gross earnings per mile of line in every group except passenger earnings in Group V. That this is in part explained by the fall in rates during the years in question is made clear

by a consideration of the course in rates; expansion in mileage and a check in the ordinary growth of business contributed to the same result. The course in rates in the several groups gives support to the commonplace generalization that a decrease in business or a check of its normal growth tends to depress rates, but fails to support the assertion equally common that it is impossible for railroads to recover from rates once depressed. In several of the groups, notably Groups II and III, which cover the trunk line territory, the freight rates of 1886 are higher than those of 1885. It is, however, true that the tendency of the general average of rates was downward.

The statement which follows gives 5 items of corporate expenditure reduced to a mileage basis: operating expenses, interest, rentals, taxes, and dividends. For the reason already given, comparison should stop with 1889 for the items of interest and dividends.

ITEMS OF EXPENDITURE ASSIGNED TO MILE OF OPERATED LINE FOR EACH YEAR OF THE DECADE 1881–1890, INCLUSIVE.

ITEMS.	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890
United States:										
Operating expenses per mile of line.	$4,464.48	$4,348.59	$4,276.23	$4,135.19	$3,869.83	$3,917.83	$4,084.23	$4,238.24	$4,227.42	$4,490.04
Interest per mile of line.	1,170.43	1,188.42	1,162.17	1,203.69	1,194.27	1,145.49	1,138.54	1,131.63	1,128.13	1,351.75
Rentals per mile of line.	477.63	476.88	494.31	527.95	500.28	501.60	455.77	451.51	451.70	575.77
Taxes per mile of line.	168.03	177.61	177.45	187.71	182.31	185.75	182.50	187.45	192.93	199.10
Dividends per mile of line.	786.82	758.53	713.35	617.95	479.03	469.17	499.28	392.39	366.98	546.79
Group I:										
Operating expenses per mile of line.	6,031.90	6,576.95	6,829.77	6,481.72	6,005.40	6,466.14	6,979.18	7,517.44	7,513.46	7,628.40
Interest per mile of line.	837.66	932.21	1,047.38	1,094.84	921.07	926.35	896.99	893.35	893.35	1,178.00
Rentals per mile of line.	408.23	472.14	462.15	435.89	685.54	741.37	775.79	929.95	1,177.54	1,176.10
Taxes per mile of line.	309.06	353.56	367.12	394.10	386.47	391.40	442.31	475.57	490.63	493.42
Dividends per mile of line.	1,255.78	1,278.04	1,261.11	1,260.57	1,244.80	1,297.26	1,288.12	1,109.33	978.36	1,574.19
Group II:										
Operating expenses per mile of line.	8,430.74	8,563.31	8,319.72	8,105.61	7,505.44	7,826.71	8,687.94	9,146.70	9,429.76	9,627.02
Interest per mile of line.	2,190.19	2,112.21	1,941.97	2,097.43	2,010.89	1,979.79	2,007.47	1,991.01	2,001.31	2,692.71
Rentals per mile of line.	1,351.81	1,385.09	1,483.53	1,684.24	1,672.80	1,760.94	1,547.21	1,577.04	1,560.42	1,790.47
Taxes per mile of line.	323.78	330.39	335.54	326.33	327.56	328.76	347.50	349.63	350.72	385.16
Dividends per mile of line.	1,508.50	1,547.51	1,591.86	1,444.90	998.82	979.93	1,022.30	975.36	1,051.77	1,502.92
Group III:										
Operating expenses per mile of line.	5,124.52	4,785.58	4,597.18	4,411.92	4,133.08	4,274.19	4,756.77	4,795.19	4,914.67	5,202.26
Interest per mile of line.	917.66	885.72	916.64	907.81	904.24	925.04	943.84	917.28	907.23	1,373.49
Rentals per mile of line.	589.35	576.27	579.80	753.16	618.07	636.10	609.52	579.78	576.01	613.29
Taxes per mile of line.	171.59	163.05	154.90	165.07	170.58	178.54	174.30	179.55	187.05	191.36
Dividends per mile of line.	482.09	356.58	388.83	242.83	139.80	180.44	259.34	262.43	286.59	543.04
Group IV:										
Operating expenses per mile of line.	2,446.21	2,557.24	2,499.47	2,410.40	2,375.10	2,430.97	2,505.05	2,568.36	2,868.14	2,861.27
Interest per mile of line.	599.27	776.21	867.06	974.35	880.26	850.94	845.21	913.88	943.10	981.92
Rentals per mile of line.	113.21	110.42	108.55	102.08	101.16	110.84	109.95	109.67	103.56	275.99
Taxes per mile of line.	41.27	70.79	85.35	82.35	96.17	89.85	96.76	87.80	95.60	88.87
Dividends per mile of line.	105.20	259.28	188.88	107.19	106.12	90.59	138.78	176.40	259.31	269.02
Group V:										
Operating expenses per mile of line.	2,952.73	2,787.91	2,775.01	2,722.73	2,718.49	2,670.53	2,772.97	2,900.66	2,838.14	3,105.61
Interest per mile of line.	821.85	983.84	908.07	954.79	885.96	773.16	792.33	844.17	838.68	1,126.78
Rentals per mile of line.	235.52	251.13	300.14	363.16	338.38	327.71	307.78	271.49	266.34	287.92
Taxes per mile of line.	60.62	91.33	91.01	88.63	109.29	109.77	106.06	107.58	109.93	123.77
Dividends per mile of line.	362.57	148.38	203.47	193.89	123.43	113.70	161.42	172.00	181.95	395.18
Group VI:										
Operating expenses per mile of line.	3,136.53	3,209.35	3,327.41	3,232.37	3,146.28	2,959.92	3,198.45	3,242.10	3,161.48	3,359.32
Interest per mile of line.	929.31	987.63	982.64	1,025.16	1,052.64	995.95	1,118.19	1,101.33	1,106.64	1,224.89
Rentals per mile of line.	241.07	230.68	228.45	165.23	135.87	134.26	143.03	147.86	169.95	215.64
Taxes per mile of line.	138.22	149.97	146.12	157.34	159.12	156.76	156.31	161.77	166.19	168.77
Dividends per mile of line.	688.44	844.03	735.28	751.62	707.40	655.64	717.01	515.22	422.42	459.79
Group VII:										
Operating expenses per mile of line.	3,840.94	3,275.34	3,485.14	3,009.39	2,793.55	2,727.11	2,423.62	2,795.23	2,626.12	3,013.22
Interest per mile of line.	1,658.84	1,514.71	1,440.94	1,330.22	1,305.32	1,268.76	989.48	973.17	977.56	1,310.30
Rentals per mile of line.	2.98	11.97	24.56	33.30	60.27	76.51	62.72	69.76	78.59	101.36
Taxes per mile of line.	103.31	189.73	214.47	312.07	136.24	190.93	159.67	193.97	183.17	189.35
Dividends per mile of line.	856.28	757.09	704.01	166.54	23.55	21.40	59.28	40.92	34.85	397.60
Group VIII:										
Operating expenses per mile of line.	3,503.02	3,345.90	3,253.71	3,272.46	3,112.29	3,092.00	2,889.50	2,880.74	2,833.55	2,678.00
Interest per mile of line.	1,205.22	1,356.30	1,278.30	1,217.71	1,198.13	1,231.14	1,075.81	1,019.50	948.21	1,146.32
Rentals per mile of line.	139.66	214.55	228.09	220.83	203.81	190.92	157.16	203.66	193.07	179.19
Taxes per mile of line.	127.65	154.40	164.23	170.15	170.73	178.65	151.80	180.46	181.53	174.80
Dividends per mile of line.	780.00	821.91	661.18	626.17	561.91	596.40	668.66	314.41	291.61	233.81
Group IX:										
Operating expenses per mile of line.	3,294.45	2,969.12	3,152.23	3,101.47	2,424.43	2,857.76	2,816.03	2,875.68	3,026.78	3,279.11
Interest per mile of line.	1,190.21	1,084.83	1,252.03	1,274.01	1,196.37	1,062.15	976.74	1,097.78	888.22	618.28
Rentals per mile of line.	7.13	24.07	19.07	37.75	45.98	51.53	46.92	42.11	42.89	332.46
Taxes per mile of line.	35.27	43.29	69.49	68.73	44.87	99.10	90.54	80.64	93.69	196.95
Dividends per mile of line.	148.18			60.33			0.24	0.16	0.21	0.61
Group X:										
Operating expenses per mile of line.	2,992.88	2,926.17	2,529.20	2,618.05	2,461.89	2,747.47	3,088.82	3,922.66	3,703.25	3,594.87
Interest per mile of line.	1,254.03	1,113.01	1,049.13	1,141.45	1,472.46	1,292.86	1,258.13	1,284.92	1,378.74	1,318.45
Rentals per mile of line.	799.57	716.84	583.57	556.18	505.90	456.39	639.51	593.79	534.84	1,288.23
Taxes per mile of line.	139.44	163.50	134.72	170.99	169.28	130.91	142.53	123.76	169.25	154.58
Dividends per mile of line.	1,275.41	930.53	818.49	458.53	204.24	168.62	27.92	25.86	72.09	176.41

The most striking fact in the above statement pertains to the fall in dividends per mile of line paid by the operating roads, the amount in 1881 being $786.82, as against $366.98 in 1889. This is due to two causes: first, an actual fall in dividends declared from year to year, and second, to a tendency toward consolidation of railroad property, for it must be remembered that the years from 1881 to 1889 comprise only the statistics of operating roads. Another point of interest in the above statement is discovered by observing how the depression in business in the years 1884 and 1885 as compared with previous years influences the expenditure of the railroads. The figures present in general the same cause of depression as was observed in business done and average rates. The only item of expense which shows an increase for the years of financial difficulty is rentals, which, however, is easily explained by observing that rentals are an evidence of consolidation, absorptions, mergers, and the like, a tendency in railroad management which generally follows a period of depressed rates and financial stress.

The following statement presents a consolidated income account for the 10 years ending 1890. All figures are aggregate for the 10 years, as for example, gross earnings from operation, $8,464,186,057.65. In the first column these items have been assigned to a mileage basis, the aggregate of the mileage covered by reports for each year included in the statement being taken as the basis of the computation. The result is presented as the most accurate mean which it is possible to deduce from the figures at command.

INCOME ACCOUNT OF RAILROADS FOR THE 10 YEARS ENDING 1890.

SUMMARY.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	$8,464,186,057.65		$6,533.14
Less operating expenses	5,431,757,926.67		4,191.94
Income from operation		$3,032,428,130.98	2,341.20
Income from other sources		488,351,324.16	376.94
Total income		3,520,779,455.14	2,718.14
Deductions from income:			
Interest on funded debt	1,534,944,659.48		1,184.59
Rentals	637,367,715.44		491.80
Taxes	240,089,170.68		185.29
Miscellaneous	255,489,928.85		197.17
Total deductions from income		2,667,891,474.45	2,058.94
Final net income		852,887,980.69	659.20
Dividends		704,546,658.67	543.73
Surplus from operations for the 10 years ending 1890		148,341,322.02	115.47

INCOME ACCOUNT OF RAILROADS FOR THE 10 YEARS ENDING 1890—Continued.

GROUP I.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	$613,461,341.57		$9,967.21
Less operating expenses	419,918,687.39		6,823.31
Income from operation		$193,542,654.18	3,143.90
Income from other sources		22,785,713.15	370.21
Total income		216,328,367.33	3,514.11
Deductions from income:			
Interest on funded debt	59,248,661.35		962.74
Rentals	45,441,846.84		738.39
Taxes	25,410,230.76		412.89
Miscellaneous	3,533,345.25		57.41
Total deductions from income.		133,634,084.20	2,171.43
Final net income		82,694,283.13	1,342.68
Dividends		77,215,710.97	1,254.69
Surplus from operations for the 10 years ending 1890.		5,478,572.16	87.99

GROUP II.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	2,311,346,514.55		13,428.63
Less operating expenses	1,476,340,827.77		8,581.89
Income from operation		835,005,686.78	4,846.74
Income from other sources		202,688,188.00	1,177.59
Total income		1,037,693,874.78	6,024.33
Deductions from income:			
Interest on funded debt	361,014,807.14		2,098.56
Rentals	273,363,757.11		1,589.05
Taxes	58,727,738.18		341.38
Miscellaneous	75,775,961.36		440.48
Total deductions from income.		768,882,263.79	4,469.47
Final net income		268,811,610.99	1,554.86
Dividends		216,539,450.79	1,258.73
Surplus from operations for the 10 years ending 1890.		52,272,160.20	296.13

GROUP III.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	1,317,375,005.12		6,779.72
Less operating expenses	912,495,897.19		4,695.98
Income from operation		404,879,107.93	2,083.74
Income from other sources		43,574,899.66	224.25
Total income		448,454,007.59	2,307.99
Deductions from income:			
Interest on funded debt	187,627,861.82		965.59
Rentals	119,253,578.39		613.71
Taxes	33,889,102.40		174.40
Miscellaneous	25,625,616.25		131.88
Total deductions from income.		366,396,158.92	1,885.58
Final net income		82,057,848.67	422.41
Dividends		60,370,245.26	310.68
Surplus from operations for the 10 years ending 1890.		21,687,603.41	111.73

GROUP IV.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	$257,799,177.28		$3,835.40
Less operating expenses	173,017,425.77		2,574.56
Income from operation		$84,781,751.51	1,260.84
Income from other sources		10,707,591.63	159.30
Total income		95,489,343.14	1,420.14
Deductions from income:			
Interest on funded debt	58,959,191.79		877.33
Rentals	8,747,564.55		130.17
Taxes	5,735,902.93		85.35
Miscellaneous	9,011,047.09		134.09
Total deductions from income.		82,453,706.36	1,226.94
Final net income		13,035,636.78	193.20
Dividends		11,781,260.74	175.31
Surplus from operations for the 10 years ending 1890.		1,254,376.04	17.89

GROUP V.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	557,245,444.19		4,372.82
Less operating expenses	362,895,811.93		2,841.21
Income from operation		194,349,632.26	1,531.61
Income from other sources		24,260,430.28	190.38
Total income		218,610,062.54	1,721.99
Deductions from income:			
Interest on funded debt	114,467,928.65		896.20
Rentals	38,730,518.75		303.23
Taxes	13,218,148.01		103.49
Miscellaneous	9,038,440.86		70.76
Total deductions from income.		175,455,036.27	1,373.68
Final net income		43,155,026.27	348.31
Dividends		26,326,929.41	206.12
Surplus from operations for the 10 years ending 1890.		16,828,096.86	142.19

GROUP VI.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	1,628,076,435.81		5,185.44
Less operating expenses	1,003,172,604.50		3,193.94
Income from operation		625,503,831.31	1,991.50
Income from other sources		60,897,512.31	193.89
Total income		686,401,343.62	2,185.39
Deductions from income:			
Interest on funded debt	336,953,181.27		1,072.80
Rentals	56,205,488.46		178.95
Taxes	49,341,562.91		157.10
Miscellaneous	35,019,829.82		111.50
Total deductions from income.		477,520,062.46	1,520.35
Final net income		208,881,281.16	665.04
Dividends		199,528,629.51	635.27
Surplus from operations for the 10 years ending 1890.		9,352,651.65	29.77

INCOME ACCOUNT OF RAILROADS FOR THE 10 YEARS ENDING 1890—Continued.

GROUP VII.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	$315,940,312.66		$5,469.71
Less operating expenses	166,836,663.01		2,888.36
Income from operation		$149,103,649.65	2,581.35
Income from other sources		17,374,035.34	300.79
Total income		166,477,684.99	2,882.14
Deductions from income:			
Interest on funded debt	69,743,649.10		1,207.44
Rentals	3,603,954.32		62.39
Taxes	11,013,977.36		190.68
Miscellaneous	21,395,087.77		370.40
Total deductions from income.		105,756,668.55	1,830.91
Final net income		60,721,016.44	1,051.23
Dividends		12,399,147.58	213.98
Surplus from operations for the 10 years ending 1890.		48,360,868.86	837.25

GROUP VIII.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	713,960,690.83		5,033.02
Less operating expenses	432,135,766.67		3,046.32
Income from operation		281,824,924.16	1,986.70
Income from other sources		45,441,014.30	320.33
Total income		327,265,938.46	2,307.03
Deductions from income:			
Interest on funded debt	161,557,328.95		1,138.89
Rentals	27,236,644.66		192.00
Taxes	23,850,094.06		168.13
Miscellaneous	27,948,987.25		197.02
Total deductions from income.		240,593,054.92	1,696.04
Final net income		86,672,883.54	610.99
Dividends		69,828,187.13	492.25
Surplus from operations for the 10 years ending 1890.		16,844,696.41	118.74

GROUP IX.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	$276,617,942.38		$3,902.30
Less operating expenses	210,164,088.59		2,964.82
Income from operation		$66,453,853.79	937.48
Income from other sources		13,653,126.73	192.64
Total income		80,106,980.52	1,130.09
Deductions from income:			
Interest on funded debt	73,370,430.49		1,034.85
Rentals	5,418,317.62		76.44
Taxes	5,550,313.94		78.33
Miscellaneous	7,674,512.02		108.27
Total deductions from income.		92,022,580.07	1,298.10
Deficit		11,915,599.55	168.10
Dividends		891,871.37	12.58
Deficit from operations for the 10 years ending 1890.		12,807,470.92	180.68

GROUP X.

ITEMS.	Amount.	Total.	Per mile of line reduced for comparison with annual earnings.
Gross earnings from operation	471,763,193.26		5,339.25
Less operating expenses	274,780,153.85		3,109.86
Income from operation		196,983,039.41	2,229.39
Income from other sources		46,968,812.76	531.58
Total income		243,951,852.17	2,760.97
Deductions from income:			
Interest on funded debt	112,001,612.92		1,267.59
Rentals	59,366,044.74		671.83
Taxes	13,343,100.07		151.01
Miscellaneous	40,467,101.18		457.99
Total deductions from income.		225,177,858.91	2,548.47
Final net income		18,773,993.26	212.50
Dividends		29,704,225.91	336.18
Deficit from operations for the 10 years ending 1890.		10,930,232.65	123.68

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, FOR THE 10 YEARS ENDING 1890, BY GROUPS.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS.

THE UNITED STATES.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	326,713,946	353,640,931	375,395,381	388,211,441	411,105,912
Increase		26,932,985	21,748,450	12,816,060	22,894,471
Per cent of increase		8.24	6.15	3.41	5.90
Freight moved 1 mile.....tons..	38,108,826,793	40,213,710,847	43,878,284,320	45,863,411,398	49,253,177,841
Increase		2,104,884,054	3,664,573,473	1,985,127,078	3,389,766,443
Per cent of increase		5.52	9.11	4.52	7.39
Passengers carried.....number..	240,747,900	285,934,917	305,466,999	332,105,449	340,851,632
Increase		45,187,017	19,532,082	26,638,450	8,746,183
Per cent of increase		18.77	6.83	8.72	2.63
Passengers carried 1 mile.....number..	6,493,434,755	7,681,578,395	8,246,522,055	8,574,460,432	8,644,234,439
Increase		1,188,143,640	564,943,660	327,938,377	69,774,007
Per cent of increase		18.30	7.35	3.98	0.81
Freight train mileage.....miles..	273,523,843	287,187,659	310,229,452	315,052,554	319,760,363
Increase		13,663,816	23,041,793	4,823,102	4,707,809
Per cent of increase		5.00	8.02	1.55	1.49
Passenger train mileage.....miles..	144,830,504	160,914,626	179,023,378	197,651,405	205,141,293
Increase		16,075,122	18,108,752	18,628,027	7,489,888
Per cent of increase		11.10	11.25	10.41	3.79
All other mileage.....miles..	56,420,490	66,594,727	78,634,427	77,705,426	76,716,130
Increase		10,174,237	12,039,700		
Per cent of increase		18.03	18.08		
Decrease				929,001	989,296
Per cent of decrease				1.18	1.27
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	9,881.82	10,761.42	9,243.34	8,813.21	8,047.04
Tons of freight moved 1 mile	10,804.41	11,969.07	11,118.58	11,078.01	10,426.68
Number of passengers carried	9,764.76	10,609.94	9,348.00	8,567.28	8,315.45
Number of passengers carried 1 mile	10,914.47	11,770.75	10,873.66	10,232.07	9,937.26
Freight train mileage	10,211.75	12,046.72	10,684.58	10,762.31	11,194.68
Passenger train mileage	10,183.32	11,999.42	10,721.10	10,789.50	11,193.35
All other mileage	10,363.09	11,763.03	10,339.68	10,710.34	10,921.62

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	460,291,177	534,105,547	566,128,440	604,141,536	640,452,548
Increase	49,185,265	73,814,370	32,022,893	38,013,096	36,311,012
Per cent of increase	11.96	16.04	6.00	6.71	6.01
Freight moved 1 mile.....tons..	54,358,139,273	62,574,007,106	66,053,554,061	69,519,467,029	79,172,464,796
Increase	5,104,961,432	8,215,927,833	3,479,487,555	3,465,912,968	9,652,997,767
Per cent of increase	10.36	15.11	5.56	5.25	13.89
Passengers carried.....number..	371,320,044	414,848,281	449,362,370	481,900,061	498,070,093
Increase	30,468,412	43,528,237	34,514,089	32,537,691	16,170,032
Per cent of increase	8.94	11.72	8.32	7.24	3.36
Passengers carried 1 mile.....number..	9,328,106,528	10,369,504,383	11,159,162,407	11,672,476,293	11,992,112,154
Increase	683,872,089	1,041,457,855	789,598,024	513,313,886	319,635,861
Per cent of increase	7.91	11.16	7.61	4.60	2.74
Freight train mileage.....miles..	340,379,421	384,556,482	414,509,840	419,180,285	428,302,712
Increase	20,619,058	44,177,061	29,953,358	4,670,445	9,122,427
Per cent of increase	6.45	12.98	7.79	1.13	2.18
Passenger train mileage.....miles..	217,640,318	240,205,120	266,991,443	275,821,716	282,216,059
Increase	12,499,025	22,624,802	26,636,323	8,920,273	6,394,343
Per cent of increase	6.09	10.40	11.09	3.34	2.32
All other mileage.....miles..	82,785,196	94,635,420	106,306,116	111,082,547	209,198,892
Increase	6,069,066	11,850,224	11,670,696	4,776,431	98,116,345
Per cent of increase	7.91	14.31	12.33	4.49	88.33
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	8,457.15	7,374.82	8,953.60	9,535.11	15,238.95
Tons of freight moved 1 mile	11,214.22	10,496.78	10,783.81	10,928.78	15,238.95
Number of passengers carried	8,840.33	8,072.38	9,056.27	9,611.64	15,238.95
Number of passengers carried 1 mile	10,674.73	9,549.21	10,461.98	10,518.73	15,238.95
Freight train mileage	10,557.10	10,662.40	11,145.10	12,169.54	15,238.95
Passenger train mileage	10,720.77	10,982.46	11,274.89	12,345.64	15,238.95
All other mileage	10,516.15	10,788.49	11,367.68	12,560.35	15,238.95

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP I.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	27,813,142	28,447,141	29,949,937	29,164,467	29,499,764
Increase		633,999	1,502,796		335,297
Per cent of increase		2.28	5.28		1.15
Decrease				785,470	
Per cent of decrease				2.62	
Freight moved 1 mile.....tons..	1,551,424,792	1,654,994,049	1,769,742,400	1,756,957,433	1,786,102,501
Increase		103,569,257	114,748,351		30,045,068
Per cent of increase		6.68	6.93		1.71
Decrease				13,084,967	
Per cent of decrease				0.77	
Passengers carried.....number..	57,785,393	66,063,409	71,771,348	75,458,562	78,162,770
Increase		8,278,016	5,707,939	3,687,214	2,704,208
Per cent of increase		14.33	8.64	5.14	3.53
Passengers carried 1 mile.....number..	974,822,427	1,111,074,123	1,167,124,856	1,218,371,634	1,232,583,049
Increase		136,251,696	56,050,733	51,246,778	14,211,415
Per cent of increase		13.98	5.04	4.39	1.17
Freight train mileage.....miles..	17,138,279	17,231,434	18,357,395	17,449,630	17,355,585
Increase		93,155	1,125,961		
Per cent of increase		0.54	6.53		
Decrease				907,765	94,045
Per cent of decrease				4.94	0.54
Passenger train mileage.....miles..	17,377,519	18,687,984	19,706,068	20,455,065	20,904,295
Increase		1,310,465	1,018,084	749,897	448,230
Per cent of increase		7.54	5.45	3.81	2.19
All other mileage.....miles..	4,541,333	5,038,020	6,428,785	7,392,774	7,412,975
Increase		496,687	1,390,765	963,989	20,201
Per cent of increase		10.94	27.61	14.99	0.27
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	522.76	463.35	391.28	522.78	393.24
Tons of freight moved 1 mile	583.46	524.05	455.98	594.48	482.94
Number of passengers carried	498.18	441.43	371.86	358.50	393.46
Number of passengers carried 1 mile	558.88	502.13	432.56	419.20	424.10
Freight train mileage	484.46	427.71	358.14	357.14	369.60
Passenger train mileage	470.18	413.43	343.86	343.86	348.82
All other mileage	434.55	375.14	305.57	305.57	316.53

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	32,431,674	33,730,833	34,938,358	35,065,570	39,475,504
Increase	2,931,970	1,299,159	1,207,525	127,212	4,409,934
Per cent of increase	9.94	4.01	3.58	0.36	12.58
Freight moved 1 mile.....tons..	1,949,953,564	2,069,349,272	2,233,597,679	2,303,379,002	2,812,882,398
Increase	163,851,063	119,395,708	164,248,407	69,811,323	509,503,396
Per cent of increase	9.17	6.12	7.94	3.13	22.12
Passengers carried.....number..	84,797,903	92,343,418	98,525,220	103,070,947	110,738,835
Increase	6,635,133	7,545,515	6,181,811	4,545,718	7,667,888
Per cent of increase	8.49	8.90	6.69	4.61	7.44
Passengers carried 1 mile.....number..	1,327,296,119	1,448,031,252	1,507,439,484	1,546,543,718	1,726,449,072
Increase	94,623,070	120,825,133	59,408,232	39,104,234	179,905,354
Per cent of increase	7.68	9.10	4.10	2.59	11.63
Freight train mileage.....miles..	17,981,457	18,448,049	19,434,466	20,091,002	22,147,014
Increase	625,872	466,592	986,417	656,536	2,056,012
Per cent of increase	3.61	2.59	5.35	3.38	10.23
Passenger train mileage.....miles..	21,944,272	23,131,520	25,234,414	25,536,603	27,635,619
Increase	1,039,977	1,187,248	2,102,894	302,189	2,099,016
Per cent of increase	4.97	5.41	9.09	1.20	8.22
All other mileage.....miles..	8,189,100	9,296,673	9,866,091	10,129,727	13,999,526
Increase	776,125	1,107,573	569,418	263,636	3,869,799
Per cent of increase	10.47	13.52	6.12	2.67	38.11
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	379.08	359.04	334.90	843.27	305.40
Tons of freight moved 1 mile	465.78	447.44	371.80	879.17	305.40
Number of passengers carried	346.30	326.26	301.72	823.42	305.40
Number of passengers carried 1 mile	407.00	386.96	313.32	834.02	305.40
Freight train mileage	376.94	344.74	303.90	818.27	305.40
Passenger train mileage	365.16	319.10	295.12	812.82	305.40
All other mileage	293.37	259.47	252.19	756.56	305.40

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP II.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved ..... tons ..	140,987,069	150,168,154	155,219,817	156,626,247	164,327,543
Increase		9,181,085	5,051,663	1,406,430	7,701,296
Per cent of increase		6.51	3.36	0.91	4.92
Freight moved 1 mile ..... tons ..	14,736,002,240	15,143,622,415	15,710,012,394	16,020,063,145	17,209,377,628
Increase		407,620,175	566,389,889	310,050,841	1,189,314,483
Per cent of increase		2.77	3.74	1.97	7.42
Passengers carried ..... number ..	97,521,220	114,562,471	115,511,874	129,750,904	135,807,331
Increase		17,041,242	949,403	14,239,030	6,056,427
Per cent of increase		17.47	0.83	12.33	4.67
Passengers carried 1 mile ..... number ..	1,973,531,579	2,284,573,893	2,333,263,776	2,455,019,245	2,592,763,347
Increase		311,042,314	48,689,883	121,755,469	137,744,102
Per cent of increase		15.76	2.13	5.22	5.61
Freight train mileage ..... miles ..	82,333,470	81,806,133	82,267,385	83,165,474	84,756,320
Increase			461,252	898,089	1,590,846
Per cent of increase			0.56	1.09	1.91
Decrease		527,337			
Per cent of decrease		0.64			
Passenger train mileage ..... miles ..	40,858,489	44,391,204	47,537,489	53,028,294	56,161,557
Increase		3,532,715	3,146,285	5,490,805	3,133,263
Per cent of increase		8.65	7.09	11.55	5.91
All other mileage ..... miles ..	18,021,680	20,946,941	24,680,307	24,214,148	24,667,873
Increase		2,925,261	3,733,366		453,725
Per cent of increase		16.23	17.82		1.87
Decrease				466,159	
Per cent of decrease				1.89	
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	842.17	793.91	753 83	703.94	492.67
Tons of freight moved 1 mile	1,011.21	927.78	906.39	941.41	827.53
Number of passengers carried	1,005.69	851.61	841.30	856.58	661.90
Number of passengers carried 1 mile	1,128.10	993.35	953.02	959.73	818.12
Freight train mileage	1,019.11	958.25	856.76	912.69	765.73
Passenger train mileage	1,017.76	949.45	941.56	895.46	760.93
All other mileage	1,016.76	849.45	840.89	911.19	710.84

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved ..... tons ..	184,180,321	210,654,246	227,951,296	235,560,967	237,293,176
Increase	19,852,778	26,473,925	17,297,050	7,609,671	1,732,209
Per cent of increase	12.08	14.37	8.21	3.34	0.74
Freight moved 1 mile ..... tons ..	18,802,575,270	20,840,702,948	22,147,082,338	22,765,668,394	26,352,948,519
Increase	1,593,197,042	2,038,127,678	1,306,379,390	617,986,056	3,587,280,125
Per cent of increase	9.26	10.84	6.27	2.79	15.76
Passengers carried ..... number ..	149,036,118	162,613,323	172,969,462	187,102,252	194,146,034
Increase	13,228,787	13,577,205	10,356,139	14,132,790	7,043,782
Per cent of increase	9.74	9.11	6.37	8.17	3.76
Passengers carried 1 mile ..... number ..	2,695,588,186	2,892,220,303	3,054,187,614	3,275,932,636	3,352,084,718
Increase	102,824,839	196,641,117	161,958,311	221,745,022	76,152,082
Per cent of increase	3.97	7.29	5.60	7.26	2.32
Freight train mileage ..... miles ..	90,042,548	97,863,950	106,294,175	102,992,981	112,686,917
Increase	5,286,228	7,821,402	8,430,225		9,693,936
Per cent of increase	6.24	8.69	8.61		9.41
Decrease				3,301,194	
Per cent of decrease				3.11	
Passenger train mileage ..... miles ..	58,841,549	62,720,450	66,963,368	69,546,557	75,016,480
Increase	2,679,992	3,878,901	4,242,918	2,583,189	5,469,923
Per cent of increase	4.77	6.59	6.76	3.86	7.87
All other mileage ..... miles ..	27,409,680	30,846,349	33,462,276	40,282,773	53,767,965
Increase	2,741,807	3,436,669	2,615,927	6,820,497	13,485,192
Per cent of increase	11.11	12.54	8.48	20.38	33.48
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	526.97	639.68	689.17	716.21	659.86
Tons of freight moved 1 mile	793.88	769.91	807.77	912.89	659.86
Number of passengers carried	571.47	681.65	589.93	732.30	659.86
Number of passengers carried 1 mile	626.47	756.50	678.18	811.85	659.86
Freight train mileage	659.18	806.49	672.17	952.75	659.86
Passenger train mileage	637.43	808.19	659.24	983.80	659.86
All other mileage	656.93	810.18	670.04	897.92	

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP III.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	71,097,923	74,800,829	78,003,442	82,592,054	88,646,457
Increase		3,102,906	3,202,613	4,588,612	6,054,403
Per cent of increase		4.33	4.28	5.88	7.33
Freight moved 1 mile.....tons..	9,451,092,923	9,445,604,790	9,894,360,333	10,689,880,638	11,710,801,277
Increase			448,755,543	795,520,305	1,020,920,639
Per cent of increase			4.75	8.04	9.55
Decrease		5,488,133			
Per cent of decrease		0.06			
Passengers carried.....number..	33,033,333	37,774,579	41,352,620	42,954,972	40,678,234
Increase		4,741,246	3,578,041	1,602,352	
Per cent of increase		14.35	9.47	3.87	
Decrease					2,276,738
Per cent of decrease					5.30
Passengers carried 1 mile.....number..	1,252,873,712	1,391,466,240	1,475,267,526	1,452,580,722	1,435,281,073
Increase		138,592,528	83,801,286		
Per cent of increase		11.06	6.02		
Decrease				22,686,804	17,299,649
Per cent of decrease				1.54	1.19
Freight train mileage.....miles..	56,619,674	56,746,049	66,687,454	68,254,263	68,507,663
Increase		126,375	9,941,405	1,566,809	253,400
Per cent of increase		0.22	17.52	2.35	0.37
Passenger train mileage.....miles..	27,850,877	29,917,242	34,917,295	38,384,518	37,978,302
Increase		2,066,365	5,000,053	3,467,223	
Per cent of increase		7.42	16.71	9.93	
Decrease					406,216
Per cent of decrease					1.06
All other mileage.....miles..	9,468,154	9,129,950	11,510,660	12,262,973	11,221,727
Increase			2,380,710	752,313	
Per cent of increase			26.08	6.54	
Decrease		338,204			1,041,246
Per cent of decrease		3.57			8.49
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	1,084.83	1,310.95	1,401.63	740.70	938.79
Tons of freight moved 1 mile	831.78	974.76	1,456.88	836.40	1,009.59
Number of passengers carried	896.15	1,304.95	1,401.63	772.30	899.20
Number of passengers carried 1 mile	641.75	1,422.08	1,401.63	784.70	953.20
Freight train mileage	1,480.24	1,628.93	1,415.90	926.88	1,658.03
Passenger train mileage	1,475.24	1,612.53	1,411.90	905.98	1,652.03
All other mileage	1,317.94	1,514.43	1,262.10	849.38	1,408.73

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	99,046,400	115,102,672	120,059,508	129,495,990	139,372,456
Increase	10,999,943	15,456,272	4,956,836	9,436,482	9,876,466
Per cent of increase	12.41	15.51	4.31	7.86	7.09
Freight moved 1 mile.....tons..	12,301,047,022	14,198,419,495	14,422,668,621	15,015,079,851	16,587,290,953
Increase	590,245,745	1,897,372,473	224,249,126	592,411,230	1,572,211,102
Per cent of increase	5.04	15.42	1.58	4.11	10.47
Passengers carried.....number..	44,053,722	48,053,016	53,041,265	57,373,324	58,326,482
Increase	3,375,488	4,599,294	4,988,249	3,732,059	953,158
Per cent of increase	8.30	10.44	10.25	6.96	1.66
Passengers carried 1 mile.....number..	1,500,638,277	1,640,802,369	1,779,017,431	1,822,438,201	1,750,115,708
Increase	65,357,204	140,164,092	139,115,062	42,520,770	
Per cent of increase	4.55	9.34	8.48	2.39	
Decrease					72,322,493
Per cent of decrease					3.97
Freight train mileage.....miles..	70,686,485	77,665,591	80,153,137	81,097,413	74,434,767
Increase	2,178,822	6,979,106	2,487,546	944,276	
Per cent of increase	3.18	9.87	3.20	1.18	
Decrease					6,662,646
Per cent of decrease					8.22
Passenger train mileage.....miles..	39,771,356	42,786,514	46,537,787	47,493,193	47,206,007
Increase	1,793,054	3,015,158	3,751,273	955,406	
Per cent of increase	4.72	7.58	8.77	2.05	
Decrease					287,186
Per cent of decrease					0.60
All other mileage.....miles..	11,544,632	12,297,117	14,685,628	13,851,075	38,887,377
Increase	322,905	752,485	2,388,511		25,036,302
Per cent of increase	2.88	6.52	19.42		180.75
Decrease				834,553	
Per cent of decrease				5.68	
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	970.93	562.69	507.16	577.21	1,364.03
Tons of freight moved 1 mile	1,197.43	811.94	714.41	789.21	1,364.03
Number of passengers carried	1,007.93	599.69	544.16	683.61	1,364.03
Number of passengers carried 1 mile	1,161.43	775.94	720.41	724.61	1,364.03
Freight train mileage	1,735.56	1,208.70	699.21	663.01	1,364.03
Passenger train mileage	1,728.56	1,363.50	682.01	670.81	1,364.03
All other mileage	1,496.23	1,218.17	786.43	1,085.46	1,364.03

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP IV.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	8,613,189	9,666,142	11,197,984	11,507,840	12,773,477
Increase.....		1,052,953	1,531,842	309,856	1,265,637
Per cent of increase.....		12.22	15.85	2.77	11.00
Freight moved 1 mile.....tons..	661,687,963	774,341,279	982,324,582	976,730,338	1,219,614,038
Increase.....		112,653,316	207,983,303		242,883,700
Per cent of increase.....		17.03	26.86		24.87
Decrease.....				5,594,244	
Per cent of decrease.....				0.57	
Passengers carried.....number..	3,147,725	4,207,972	4,834,498	5,415,303	5,553,218
Increase.....		1,060,247	626,526	580,805	137,915
Per cent of increase.....		33.68	14.89	12.01	2.55
Passengers carried 1 mile.....number..	127,172,534	165,785,428	182,729,397	194,600,691	198,330,312
Increase.....		38,612,894	16,943,969	11,871,294	3,729,621
Per cent of increase.....		30.36	10.22	6.50	1.92
Freight train mileage.....miles..	7,696,206	8,870,221	10,087,766	10,239,798	11,031,159
Increase.....		1,174,015	1,217,545	152,032	791,361
Per cent of increase.....		15.25	13.73	1.51	7.73
Passenger train mileage.....miles..	4,616,661	5,703,563	5,929,678	6,503,301	6,654,893
Increase.....		1,086,902	226,115	573,623	151,592
Per cent of increase.....		23.54	3.96	9.67	2.33
All other mileage.....miles..	1,323,231	1,744,720	1,874,474	1,838,112	2,007,223
Increase.....		420,889	129,754		169,111
Per cent of increase.....		31.79	7.44		9.20
Decrease.....				36,362	
Per cent of decrease.....				1.94	
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved.....	1,097.50	663.60	805.30	970.00	706.09
Tons of freight moved 1 mile.....	1,277.50	974.60	1,095.30	1,310.00	1,144.90
Number of passengers carried.....	1,192.50	851.60	995.30	1,185.00	992.50
Number of passengers carried 1 mile.....	1,306.10	886.60	1,070.30	1,285.00	1,144.90
Freight train mileage.....	1,242.10	901.30	1,087.00	1,171.00	1,105.50
Passenger train mileage.....	1,242.10	901.30	1,087.00	1,283.00	1,217.50
All other mileage.....	1,280.40	901.30	1,087.00	1,283.00	1,217.50

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	14,122,410	16,214,253	18,836,577	23,282,923	19,215,102
Increase.....	1,348,933	2,091,843	2,622,324	4,446,346	
Per cent of increase.....	10.56	14.81	16.17	23.60	
Decrease.....					4,067,821
Per cent of decrease.....					17.47
Freight moved 1 mile.....tons..	1,488,793,128	1,832,693,227	2,032,140,074	2,481,480,346	2,875,523,616
Increase.....	269,179,090	343,900,099	199,446,847	449,340,272	394,043,270
Per cent of increase.....	22.07	23.10	10.88	22.11	15.88
Passengers carried.....number..	5,620,771	6,596,501	7,819,426	9,313,245	10,094,597
Increase.....	76,553	966,730	1,222,925	1,493,819	781,352
Per cent of increase.....	1.38	17.17	18.54	19.10	8.39
Passengers carried 1 mile.....number..	209,458,305	235,253,176	282,172,881	322,076,605	386,237,146
Increase.....	11,122,993	25,799,871	46,919,705	39,903,724	64,160,541
Per cent of increase.....	5.61	12.32	19.94	14.14	19.92
Freight train mileage.....miles..	11,884,068	12,665,522	14,074,897	17,476,739	16,426,179
Increase.....	852,909	781,454	1,409,375	3,401,842	
Per cent of increase.....	7.73	6.58	11.13	24.17	
Decrease.....					1,050,560
Per cent of decrease.....					6.01
Passenger train mileage.....miles..	6,836,256	7,352,819	8,651,784	10,175,224	10,710,738
Increase.....	181,363	516,563	1,298,965	1,523,440	535,514
Per cent of increase.....	2.73	7.56	17.67	17.61	5.26
All other mileage.....miles..	2,116,547	2,415,373	3,193,277	3,538,083	11,442,867
Increase.....	109,324	298,826	777,904	344,806	7,904,784
Per cent of increase.....	5.45	14.12	32.21	10.80	223.42
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved.....	716.00	887.85	698.32	548.85	627.17
Tons of freight moved 1 mile.....	1,275.90	1,439.35	1,045.49	863.35	627.17
Number of passengers carried.....	1,101.50	956.35	849.32	558.35	627.17
Number of passengers carried 1 mile.....	1,293.90	1,403.35	1,019.32	728.35	627.17
Freight train mileage.....	1,076.70	1,399.69	1,211.32	719.35	627.17
Passenger train mileage.....	1,321.70	1,629.69	1,441.32	949.35	627.17
All other mileage.....	1,321.70	1,629.69	1,441.32	949.55	627.17

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP V.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	10,937,734	12,653,608	10,087,720	18,684,956	20,791,235
Increase		1,715,874	3,434,121	2,597,227	2,106,279
Per cent of increase		15.69	27.14	16.14	11.27
Freight moved 1 mile.....tons..	1,201,693,390	1,426,450,619	1,714,331,064	1,950,817,120	2,230,213,083
Increase		224,757,229	287,880,445	236,486,056	279,395,963
Per cent of increase		18.70	20.18	13.79	14.32
Passengers carried.....number..	5,241,109	6,574,991	10,003,827	11,897,360	13,023,772
Increase		1,333,882	3,428,836	1,893,533	1,126,412
Per cent of increase		25.45	52.15	18.93	9.47
Passengers carried 1 mile.....number..	229,488,898	278,223,292	359,559,660	442,804,413	541,866,883
Increase		48,734,394	81,336,368	83,244,753	99,062,470
Per cent of increase		21.24	29.23	23.15	22.37
Freight train mileage.....miles..	13,474,815	14,973,631	17,548,222	19,908,805	21,639,927
Increase		1,498,816	2,574,591	2,360,583	1,731,122
Per cent of increase		11.12	17.19	13.45	8.70
Passenger train mileage.....miles..	7,222,387	8,719,540	10,902,104	12,766,301	15,052,520
Increase		1,497,153	2,182,564	1,864,197	2,286,219
Per cent of increase		20.73	25.03	17.10	17.91
All other mileage.....miles..	2,871,840	4,220,224	4,978,156	5,633,147	6,208,097
Increase		1,348,384	757,932	654,991	574,950
Per cent of increase		46.95	17.96	13.16	10.20
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	3,062.89	3,503.36	2,752.22	2,603.76	2,476.52
Tons of freight moved 1 mile	3,655.89	3,816.07	3,307.93	3,307.47	3,040.35
Number of passengers carried	2,840.89	2,873.19	2,122.05	1,973.59	1,760.52
Number of passengers carried 1 mile	3,649.89	3,830.07	3,150.93	3,049.47	2,782.35
Freight train mileage	2,546.89	2,816.19	2,276.05	2,067.56	2,018.32
Passenger train mileage	2,540.89	2,810.19	2,270.05	2,061.56	2,012.32
All other mileage	2,876.89	2,810.19	2,270.05	2,061.56	2,012.32

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	23,319,652	30,229,733	33,284,144	39,272,740	44,382,018
Increase	2,528,417	6,910,081	3,054,411	5,988,596	5,109,278
Per cent of increase	12.16	29.63	10.10	17.99	13.01
Freight moved 1 mile.....tons..	2,537,792,616	3,286,472,423	3,837,962,651	4,308,390,537	4,820,580,025
Increase	307,579,533	748,679,807	551,490,228	470,436,886	512,189,488
Per cent of increase	13.79	29.50	16.78	12.26	11.89
Passengers carried.....number..	12,958,923	16,282,810	19,245,852	21,082,870	20,848,794
Increase		3,323,887	2,963,042	1,837,018	
Per cent of increase		25.65	18.20	9.55	
Decrease	64,849				234,076
Per cent of decrease	0.50				1.11
Passengers carried 1 mile.....number..	461,465,771	568,483,314	648,508,303	683,176,854	752,373,648
Increase		107,017,543	80,024,989	34,668,551	69,196,794
Per cent of increase		23.19	14.08	5.35	10.13
Decrease	89,401,112				
Per cent of decrease	14.84				
Freight train mileage.....miles..	22,661,688	26,151,080	28,841,554	30,752,889	33,427,360
Increase	1,021,761	3,490,392	2,689,574	1,911,335	2,674,471
Per cent of increase	4.72	15.40	10.28	6.63	8.70
Passenger train mileage	15,400,180	17,003,404	18,420,859	19,939,906	21,673,146
Increase	347,660	1,603,224	1,417,455	1,519,047	1,733,240
Per cent of increase	2.31	10.41	8.34	8.25	8.69
All other mileage.....miles..	6,488,964	7,703,512	8,286,651	8,934,176	17,330,111
Increase	280,957	1,214,548	583,139	647,525	8,395,935
Per cent of increase	4.53	18.72	7.57	7.81	93.98
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	2,556.56	1,785.81	2,786.42	2,353.58	3,834.58
Tons of freight moved 1 mile	3,096.16	2,215.41	3,076.92	2,618.18	3,834.58
Number of passengers carried	1,935.56	1,818.81	2,662.32	2,365.18	3,834.58
Number of passengers carried 1 mile	3,102.17	2,170.42	3,125.93	2,613.78	3,834.58
Freight train mileage	2,905.86	2,879.01	3,972.52	3,989.02	3,834.58
Passenger train mileage	2,899.86	2,873.01	3,946.02	3,962.52	3,834.58
All other mileage	2,979.86	2,873.01	3,966.52	3,983.02	3,834.58

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VI.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved ..... tons..	46,604,728	52,331,808	54,856,647	56,360,862	59,134,925
Increase		5,727,080	2,524,839	1,504,215	2,774,063
Per cent of increase		12.29	4.82	2.74	4.92
Freight moved 1 mile ..... tons..	6,823,500,832	7,465,042,040	8,714,651,965	9,082,033,009	9,315,513,717
Increase		641,541,208	1,249,609,925	367,381,044	233,480,708
Per cent of increase		9.40	16.74	4.22	2.57
Passengers carried ..... number..	27,600,586	35,982,638	37,079,162	39,225,030	39,004,434
Increase		8,382,052	1,096,524	2,145,868	
Per cent of increase		30.37	3.05	5.79	
Decrease					220,596
Per cent of decrease					0.56
Passengers carried 1 mile ..... number..	1,099,082,896	1,426,807,906	1,512,558,343	1,531,560,239	1,423,619,423
Increase		327,725,010	85,750,437	19,001,896	
Per cent of increase		29.82	6.01	1.26	
Decrease					102,940,811
Per cent of decrease					6.72
Freight train mileage ..... miles..	54,422,885	59,936,070	68,782,040	69,228,077	69,776,698
Increase		5,513,185	8,845,970	446,037	548,621
Per cent of increase		10.13	14.76	0.65	0.79
Passenger train mileage ..... miles..	26,658,564	31,007,146	34,547,354	38,220,489	38,965,618
Increase		4,348,582	3,540,208	3,673,135	745,129
Per cent of increase		16.31	11.42	10.63	1.95
All other mileage ..... miles..	14,836,712	19,483,383	21,605,997	19,896,625	19,024,869
Increase		4,646,671	2,122,614		
Per cent of increase		31.32	10.89		
Decrease				1,709,372	871,756
Per cent of decrease				7.91	4.38
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	1,197.52	895.14	787.05	1,010.16	1,280.95
Tons of freight moved 1 mile	1,275.42	1,312.00	1,034.31	1,247.32	1,520.21
Number of passengers carried	1,244.72	1,026.04	895.75	1,085.90	1,301.14
Number of passengers carried 1 mile	1,448.12	1,118.70	898.41	1,178.56	1,393.80
Freight train mileage	1,265.52	1,298.32	1,143.81	1,346.02	1,491.06
Passenger train mileage	1,263.72	1,296.50	1,119.81	1,318.62	1,466.26
All other mileage	1,263.72	1,296.50	1,027.15	1,318.62	1,466.26

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved ..... tons..	63,921,724	74,587,710	77,124,546	82,971,517	94,036,235
Increase	4,786,799	10,665,986	2,536,836	5,846,971	11,064,718
Per cent of increase	8.09	16.69	3.40	7.58	13.34
Freight moved 1 mile ..... tons..	9,879,589,461	11,389,396,010	11,895,081,172	12,535,597,801	14,024,642,397
Increase	564,075,744	1,509,806,549	505,685,162	640,516,629	1,489,044,596
Per cent of increase	6.06	15.28	4.44	5.38	11.88
Passengers carried ..... number..	42,944,211	48,744,736	53,186,332	56,196,981	57,002,443
Increase	3,939,777	5,800,525	4,441,596	3,010,649	805,462
Per cent of increase	10.10	13.51	9.11	5.66	1.43
Passengers carried 1 mile ..... number..	1,522,029,043	1,668,936,912	1,802,193,414	1,860,375,916	1,830,036,648
Increase	93,409,615	146,907,869	133,256,502	58,182,502	
Per cent of increase	6.54	9.65	7.98	3.23	
Decrease					29,739,268
Per cent of decrease					1.60
Freight train mileage ..... miles..	71,292,489	81,268,773	87,240,391	87,615,671	91,297,103
Increase	1,515,791	9,976,284	5,971,618	375,280	3,681,432
Per cent of increase	2.17	13.99	7.35	0.43	4.20
Passenger train mileage ..... miles..	41,158,817	44,940,396	49,772,746	50,058,155	48,964,498
Increase	2,193,199	3,787,579	4,826,350	285,409	
Per cent of increase	5.63	9.20	10.74	0.57	
Decrease					1,093,657
Per cent of decrease					2.18
All other mileage ..... miles..	19,081,230	20,959,885	22,169,434	20,556,557	32,127,707
Increase	56,361	1,878,655	1,209,549		11,571,150
Per cent of increase	0.30	9.85	5.77		56.29
Decrease				1,612,877	
Per cent of decrease				7.28	
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	1,490.09	837.79	1,453.10	1,350.75	2,779.38
Tons of freight moved 1 mile	1,651.26	1,408.28	1,659.40	1,578.95	2,779.38
Number of passengers carried	1,417.28	766.48	1,382.49	1,264.54	2,779.38
Number of passengers carried 1 mile	1,530.47	1,015.68	1,555.30	1,485.34	2,779.38
Freight train mileage	1,834.07	1,569.84	1,452.90	1,795.90	2,779.38
Passenger train mileage	1,799.27	1,535.04	1,418.10	1,735.10	2,779.38
All other mileage	1,799.27	1,535.04	1,418.10	1,656.60	2,779.38

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VII.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	2,997,206	3,511,375	4,891,439	5,834,108	6,390,508
Increase		514,169	1,380,064	942,669	556,400
Per cent of increase		17.15	39.30	19.27	9.54
Freight moved 1 mile.....tons..	725,171,150	788,057,845	939,770,722	1,069,613,817	1,154,999,566
Increase		62,886,695	151,712,877	129,843,095	85,295,749
Per cent of increase		8.67	19.25	13.82	7.97
Passengers carried.....number..	1,137,692	1,506,592	2,041,324	2,390,035	2,821,094
Increase		368,900	534,732	348,711	431,059
Per cent of increase		32.43	35.49	17.08	18.04
Passengers carried 1 mile.....number..	122,167,941	149,730,125	175,133,195	203,108,455	208,625,257
Increase		27,562,184	25,403,070	27,975,260	5,516,802
Per cent of increase		22.56	16.97	15.97	2.72
Freight train mileage.....miles..	5,893,971	6,047,776	6,602,701	7,561,978	7,987,936
Increase		153,805	554,925	959,277	425,958
Per cent of increase		2.61	9.18	14.53	5.63
Passenger train mileage.....miles..	2,114,746	2,756,794	4,025,068	4,429,799	4,329,681
Increase		642,048	1,268,274	404,731	
Per cent of increase		30.36	46.01	10.06	
Decrease					100,118
Per cent of decrease					2.26
All other mileage.....miles..	711,423	685,642	703,579	469,032	660,842
Increase			17,937		191,810
Per cent of increase			2.62		40.89
Decrease		25,781		234,547	
Per cent of decrease		3.62		33.34	
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Freight train mileage	136.00	371.20			
Passenger train mileage	136.00	371.20			
All other mileage	136.00	371.20			

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	7,340,493	8,850,437	9,321,846	9,894,107	13,625,381
Increase	949,925	1,509,944	471,409	572,261	3,731,274
Per cent of increase	14.86	20.57	5.33	6.14	37.71
Freight moved 1 mile.....tons..	1,362,339,743	1,620,296,060	1,818,357,311	1,777,910,045	2,326,086,432
Increase	207,430,177	257,956,317	198,061,251		548,176,387
Per cent of increase	17.96	18.93	12.22		30.83
Decrease				40,447,266	
Per cent of decrease				2.22	
Passengers carried.....number..	3,545,208	4,379,550	4,790,117	4,832,779	5,024,550
Increase	724,114	834,342	410,567	42,662	191,771
Per cent of increase	25.67	23.53	9.37	0.89	3.97
Passengers carried 1 mile.....number..	271,585,786	313,852,212	332,776,702	344,754,381	397,729,492
Increase	62,960,529	42,266,426	18,924,490	11,977,679	52,975,111
Per cent of increase	30.18	15.56	6.03	3.60	15.37
Freight train mileage.....miles..	8,715,841	11,539,723	13,308,160	13,153,833	15,075,902
Increase	727,905	2,823,882	1,768,437		1,922,069
Per cent of increase	9.11	32.40	15.32		14.61
Decrease				154,327	
Per cent of decrease				1.16	
Passenger train mileage.....miles..	4,984,159	6,400,177	8,289,553	8,576,675	9,498,762
Increase	654,478	1,416,018	1,889,376	287,122	922,087
Per cent of increase	15.12	28.41	29.52	3.46	10.75
All other mileage.....miles..	814,521	1,449,091	1,887,772	1,923,984	4,511,237
Increase	153,679	634,570	438,681	36,212	2,587,253
Per cent of increase	23.26	77.91	30.27	1.92	134.47
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved				3.33	1,345.23
Tons of freight moved 1 mile				3.33	1,345.23
Number of passengers carried				3.33	1,345.23
Number of passengers carried 1 mile				3.33	1,345.23
Freight train mileage			97.00	3.33	1,345.23
Passenger train mileage			97.00	3.33	1,345.23
All other mileage			97.00	3.33	1,345.23

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VIII.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	10,426,360	13,479,435	16,435,105	17,824,565	18,688,107
Increase		3,053,075	2,955,670	1,389,460	863,542
Per cent of increase		29.28	21.93	8.45	4.84
Freight moved 1 mile.....tons..	1,862,916,107	2,013,733,262	2,513,081,913	2,694,115,342	2,779,549,364
Increase		150,817,155	499,348,651	181,033,429	85,434,022
Per cent of increase		8.10	24.80	7.20	3.17
Passengers carried.....number..	4,498,874	6,786,552	7,910,914	9,451,198	10,056,793
Increase		2,287,678	1,124,362	1,540,284	605,595
Per cent of increase		50.85	16.57	19.47	6.41
Passengers carried 1 mile.....number..	363,118,758	424,951,591	470,054,017	495,966,726	428,999,676
Increase		61,832,833	45,102,426	25,912,709	
Per cent of increase		17.03	10.61	5.51	
Decrease					56,967,050
Per cent of decrease					11.49
Freight train mileage.....miles..	14,975,681	16,397,909	19,556,096	20,757,796	20,415,164
Increase		1,422,228	3,158,187	1,201,700	
Per cent of increase		9.50	19.26	6.14	
Decrease					342,632
Per cent of decrease					1.65
Passenger train mileage.....miles..	10,040,535	9,932,677	11,005,796	12,039,798	12,608,306
Increase			1,073,119	1,034,002	568,508
Per cent of increase			10.80	9.40	4.72
Decrease		116,858			
Per cent of decrease		1.16			
All other mileage.....miles..	996,082	990,693	2,106,031	1,710,651	1,888,308
Increase			1,115,338		177,657
Per cent of increase			112.58		10.39
Decrease		5,389		395,380	
Per cent of decrease		0.54		18.77	
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	713.84	850.02	516.58	333.22	436.64
Tons of freight moved 1 mile	724.84	850.02	570.64	387.28	458.93
Number of passengers carried	726.32	891.03	967.66	399.76	471.41
Number of passengers carried 1 mile	737.32	891.03	967.66	399.76	471.41
Freight train mileage	593.12	746.83	826.02	393.12	462.21
Passenger train mileage	593.12	746.83	826.02	393.12	462.21
All other mileage	593.12	746.83	826.02	393.12	462.21

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	21,566,380	28,430,190	25,946,077	28,767,270	31,587,663
Increase	2,878,273	6,863,810		2,821,193	2,820,393
Per cent of increase	15.40	31.83		10.87	9.80
Decrease			2,484,113		
Per cent of decrease			8.74		
Freight moved 1 mile.....tons..	3,349,416,174	4,206,934,066	4,026,585,857	4,423,324,980	5,279,307,549
Increase	569,866,810	857,517,892		396,739,123	855,982,569
Per cent of increase	20.50	25.60		9.85	19.35
Decrease			180,348,209		
Per cent of decrease			4.29		
Passengers carried.....number..	10,795,702	14,850,005	15,722,748	16,610,784	15,579,111
Increase	738,909	4,054,903	872,143	888,036	
Per cent of increase	7.35	37.56	5.87	5.65	
Decrease					1,031,673
Per cent of decrease					6.21
Passengers carried 1 mile.....number..	619,082,965	761,865,183	755,982,772	759,183,373	794,083,470
Increase	180,083,289	142,782,218		3,200,601	34,900,097
Per cent of increase	41.02	23.06		0.42	4.60
Decrease			5,882,411		
Per cent of decrease			0.77		
Freight train mileage.....miles..	23,327,057	30,716,938	32,445,187	33,542,882	30,844,857
Increase	2,911,893	7,389,881	1,728,249	1,097,696	
Per cent of increase	14.26	31.68	5.63	3.38	
Decrease					2,698,026
Per cent of decrease					8.04
Passenger train mileage.....miles..	13,615,990	18,339,755	22,458,114	22,698,005	21,212,369
Increase	1,007,684	4,723,765	4,118,359	239,891	
Per cent of increase	7.99	34.69	22.46	1.07	
Decrease					1,485,636
Per cent of decrease					6.55
All other mileage.....miles..	1,742,556	3,135,462	4,514,514	3,623,018	21,637,965
Increase		1,392,906	1,379,052		18,014,947
Per cent of increase		79.93	43.98		497.24
Decrease	145,752			891,496	
Per cent of decrease	7.72			19.75	
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	403.79	692.85	733.19	661.77	842.91
Tons of freight moved 1 mile	426.08	725.84	1,034.68	684.06	842.91
Number of passengers carried	438.56	706.03	733.19	661.77	842.91
Number of passengers carried 1 mile	438.56	738.32	1,034.68	684.06	842.91
Freight train mileage	420.36	719.12	758.76	687.34	842.91
Passenger train mileage	420.36	719.12	758.73	687.34	842.91
All other mileage	429.36	719.12	758.76	687.34	842.91

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP IX.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	3,012,867	4,164,020	4,074,999	4,424,550	4,975,976
Increase		1,151,753		349,551	551,426
Per cent of increase		38.23		8.58	12.46
Decrease			89,621		
Per cent of decrease			2.15		
Freight moved 1 mile.....tons..	432,558,022	620,958,161	777,186,040	737,233,024	752,296,176
Increase		188,400,139	156,227,888		15,063,152
Per cent of increase		43.55	25.16		2.04
Decrease				39,953,025	
Per cent of decrease				5.14	
Passengers carried.....number..	1,389,334	1,890,331	2,932,087	2,928,512	2,875,161
Increase		500,997	1,041,756		
Per cent of increase		36.06	55.11		
Decrease				3,575	53,351
Per cent of decrease				0.12	1.82
Passengers carried 1 mile.....number..	71,856,208	109,571,848	167,794,131	159,617,675	158,458,660
Increase		37,715,640	58,222,283		
Per cent of increase		52.49	53.14		
Decrease				8,176,456	1,159,015
Per cent of decrease				4.87	0.73
Freight train mileage.....miles..	13,022,824	15,584,531	10,564,808	9,247,990	9,069,549
Increase		2,561,707			
Per cent of increase		19.67			
Decrease			5,019,723	1,316,818	178,441
Per cent of decrease			32.21	12.46	1.93
Passenger train mileage.....miles..	3,635,655	5,055,144	4,676,903	5,187,316	5,468,673
Increase		1,419,489		510,413	281,357
Per cent of increase		39.04		10.91	5.42
Decrease			378,241		
Per cent of decrease			7.48		
All other mileage.....miles..	803,058	628,906	1,082,280	1,256,190	1,146,803
Increase			453,374	173,910	
Per cent of increase			72.09	16.07	
Decrease		264,152			109,387
Per cent of decrease		29.58			8.71
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	911.68	1,472.06	1,352.30	1,396.30	728.88
Tons of freight moved 1 mile	911.68	1,544.76	1,425.00	1,538.30	895.88
Number of passengers carried	911.68	1,472.06	1,352.30	1,396.30	895.88
Number of passengers carried 1 mile	911.68	1,544.76	1,425.00	1,538.30	895.88
Freight train mileage	911.68	1,544.76	1,425.00	1,538.30	728.88
Passenger train mileage	911.68	1,544.76	1,425.00	1,538.30	728.88
All other mileage	911.68	1,544.76	1,425.00	1,538.30	728.88

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	6,145,936	7,495,752	7,761,303	8,847,953	11,398,302
Increase	1,169,960	1,349,816	265,551	1,086,650	2,550,349
Per cent of increase	23.51	21.96	3.54	14.00	28.82
Freight moved 1 mile.....tons..	1,172,587,220	1,389,153,973	1,569,996,366	1,841,832,358	2,085,543,231
Increase	420,291,044	216,566,753	180,842,393	271,835,992	243,710,873
Per cent of increase	55.87	18.47	13.02	17.31	13.23
Passengers carried.....number..	3,448,240	4,106,881	4,669,083	5,649,699	5,232,830
Increase	573,079	658,641	562,202	1,040,616	
Per cent of increase	19.93	19.10	12.23	22.58	
Decrease					416,869
Per cent of decrease					7.38
Passengers carried 1 mile.....number..	199,216,957	227,071,589	245,996,424	272,204,478	292,629,782
Increase	40,758,297	27,854,632	18,924,835	26,208,054	20,425,304
Per cent of increase	25.72	13.98	8.33	10.65	7.50
Freight train mileage.....miles..	11,226,509	13,020,565	14,754,257	15,167,918	16,583,917
Increase	2,156,960	1,794,056	1,733,692	413,661	1,415,999
Per cent of increase	23.78	15.98	13.32	2.80	9.34
Passenger train mileage.....miles..	6,210,022	7,173,550	8,157,834	7,900,412	7,970,861
Increase	741,949	962,928	984,284		70,449
Per cent of increase	13.57	15.50	13.72		0.89
Decrease				257,422	
Per cent of decrease				3.16	
All other mileage.....miles..	2,357,612	2,909,128	3,231,040	3,603,396	8,188,986
Increase	1,210,809	551,516	321,912	372,356	4,585,590
Per cent of increase	105.58	23.39	11.07	11.52	127.26
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	810.38	846.48	937.58	1,191.28	1,186.45
Tons of freight moved 1 mile	1,042.38	1,143.98	1,238.08	1,488.78	1,186.45
Number of passengers carried	1,042.38	1,078.48	1,172.88	1,423.28	1,186.45
Number of passengers carried 1 mile	1,042.38	1,078.48	1,172.58	1,423.28	1,186.45
Freight train mileage	810.38	846.48	928.58	1,179.28	1,186.45
Passenger train mileage	810.38	846.48	928.58	1,179.28	1,186.45
All other mileage	810.38	846.48	928.58	1,179.28	1,186.45

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

FREIGHT MOVED, PASSENGERS CARRIED, AND MILES COVERED, WITH INCREASE OR DECREASE OF TRAFFIC AND MILEAGE AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP X.

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1881	1882	1883	1884	1885
Freight moved.....tons..	3,623,728	4,423,819	4,678,282	5,191,792	5,877,920
Increase		800,091	254,463	513,510	686,128
Per cent of increase		22.08	5.75	10.98	13.22
Freight moved 1 mile.....tons..	662,779,374	880,906,387	862,822,988	886,867,532	1,094,800,491
Increase		218,127,013		24,044,544	207,932,959
Per cent of increase		32.91		2.79	23.45
Decrease			18,083,399		
Per cent of decrease			2.05		
Passengers carried.....number..	9,392,625	10,585,382	12,029,345	12,633,573	12,868,825
Increase		1,192,757	1,443,963	604,228	235,252
Per cent of increase		12.70	13.64	5.02	1.86
Passengers carried 1 mile.....number..	279,319,802	339,393,940	403,037,154	420,830,632	408,706,754
Increase		60,074,147	63,643,205	17,793,478	
Per cent of increase		21.51	18.75	4.41	
Decrease					12,123,878
Per cent of decrease					2.88
Freight train mileage.....miles..	7,946,038	9,593,905	9,775,585	9,238,743	9,220,362
Increase		1,647,867	181,680		
Per cent of increase		20.74	1.89		
Decrease				536,842	18,381
Per cent of decrease				5.49	0.20
Passenger train mileage.....miles..	4,455,071	4,743,332	5,775,623	6,635,624	7,017,448
Increase		288,261	1,032,291	860,001	381,824
Per cent of increase		6.47	21.76	14.89	5.75
All other mileage.....miles..	2,756,377	3,726,248	3,664,158	3,031,774	2,477,503
Increase		969,871			
Per cent of increase		35.19			
Decrease			62,090	632,384	554,271
Per cent of decrease			1.67	17.26	18.28
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	448.63	803.03	483.15	532.35	593.35
Tons of freight moved 1 mile	532.63	1,045.03	866.15	915.35	1,046.35
Number of passengers carried	448.63	808.03	490.15	539.35	969.35
Number of passengers carried 1 mile	532.63	582.03	574.15	623.35	1,053.35
Freight train mileage	532.63	1,353.23	1,295.90	1,449.60	2,004.35
Passenger train mileage	532.63	1,353.23	1,295.90	1,449.60	2,004.35
All other mileage	532.63	1,353.23	1,295.90	1,449.60	2,004.35

ANALYSIS OF TRAFFIC AND TRAFFIC MILEAGE.	1886	1887	1888	1889	1890
Freight moved.....tons..	7,016,187	8,809,721	10,904,785	10,982,499	10,066,711
Increase	1,738,267	1,193,534	2,095,064	77,714	
Per cent of increase	29.57	15.67	23.78	0.71	
Decrease					915,788
Per cent of decrease					8.34
Freight moved 1 mile.....tons..	1,514,045,075	1,740,649,632	2,069,512,592	2,066,794,715	2,007,659,676
Increase	419,244,584	226,604,557	328,862,960		
Per cent of increase	38.29	14.97	18.89		
Decrease				2,717,877	59,135,039
Per cent of decrease				0.13	2.86
Passengers carried.....number..	14,110,246	16,277,441	18,852,856	20,667,180	21,076,417
Increase	1,241,421	2,167,195	2,575,415	1,814,324	409,237
Per cent of increase	9.65	15.36	15.82	9.62	1.98
Passengers carried 1 mile.....number..	521,840,119	613,039,073	749,987,382	785,790,131	709,771,510
Increase	113,133,365	91,198,954	136,948,309	35,802,749	
Per cent of increase	27.68	17.48	22.34	4.77	
Decrease					76,018,621
Per cent of decrease					9.67
Freight train mileage.....miles..	12,561,279	15,215,391	17,963,616	17,288,956	15,378,696
Increase	3,340,917	2,654,112	2,748,225		
Per cent of increase	36.23	21.13	18.06		
Decrease				674,660	1,910,260
Per cent of decrease				3.76	11.05
Passenger train mileage.....miles..	8,877,117	10,410,535	12,414,984	13,896,986	12,327,579
Increase	1,859,669	1,533,418	2,004,449	1,482,002	
Per cent of increase	26.50	17.27	19.25	11.94	
Decrease					1,569,407
Per cent of decrease					11.29
All other mileage.....miles..	3,040,354	3,622,830	5,009,433	4,639,758	7,314,151
Increase	562,851	582,476	1,386,603		2,674,393
Per cent of increase	22.72	19.16	38.27		57.64
Decrease				369,675	
Per cent of decrease				7.38	
Mileage of operated line for which no report of traffic and traffic mileage was obtainable:					
Tons of freight moved	603.35	762.63	813.26	1,088.86	2,293.94
Tons of freight moved 1 mile	1,355.35	1,514.63	835.26	1,110.86	2,293.94
Number of passengers carried	979.35	1,138.63	820.26	1,095.86	2,293.94
Number of passengers carried 1 mile	1,063.35	1,223.56	842.26	1,210.11	2,293.94
Freight train mileage	729.05	888.33	1,048.74	1,361.29	2,293.94
Passenger train mileage	729.05	888.33	1,048.74	1,361.29	2,293.94
All other mileage	729.05	888.33	1,048.74	1,361.29	2,293.94

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION.

THE UNITED STATES.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$488,853,099.55	$515,830,426.11	$557,484,735.07	$532,117,731.17	$522,019,210.63
Increase		$26,977,326.56	$41,654,308.96		
Per cent of increase		5.52	8.08		
Decrease				$25,367,003.90	$10,098,520.54
Per cent of decrease				4.55	1.90
Earnings from passenger service	$189,256,182.04	$221,092,472.79	$235,724,861.13	$240,344,269.55	$231,310,357.14
Increase		$31,836,290.75	$14,632,388.34	$4,619,408.42	
Per cent of increase		16.82	6.62	1.96	
Decrease					$9,033,912.41
Per cent of decrease					3.76
Gross earnings from operation	$678,109,281.59	$736,922,898.90	$793,209,596.20	$772,462,000.72	$753,329,567.77
Increase		$58,813,617.31	$56,286,697.30		
Per cent of increase		8.67	7.64		
Decrease				$20,747,595.48	$19,132,432.95
Per cent of decrease				2.62	2.48
Income from all other sources	$33,613,265.34	$37,431,580.44	$38,014,162.69	$39,462,011.66	$38,230,762.15
Increase		$3,818,315.10	$582,582.25	$1,447,848.97	
Per cent of increase		11.36	1.56	3.81	
Decrease					$1,231,249.51
Per cent of decrease					3.12
Total earnings and income	$711,722,546.93	$774,354,479.34	$831,223,758.89	$811,924,012.38	$791,560,329.92
Increase		$62,631,932.41	$56,869,279.55		
Per cent of increase		8.80	7.34		
Decrease				$19,299,746.51	$20,363,682.46
Per cent of decrease				2.32	2.51
Mileage of operated line for which no report of earnings was obtainable.	4,059.27	3,879.54	3,945.14	4,105.57	3,462.14

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$566,085,340.07	$639,712,732.62	$651,895,752.98	$686,769,645.42	*a*$759,219,493.90
Increase	$44,066,129.44	$73,627,392.55	$12,183,020.36	$34,873,892.44	$72,449,848.48
Per cent of increase	8.44	13.01	1.90	5.35	10.55
Earnings from passenger service	$244,660,155.39	$274,833,392.60	$289,058,471.04	$302,032,672.22	$314,885,056.23
Increase	$13,340,798.25	$30,173,237.21	$14,225,078.44	$13,974,201.18	$11,852,384.01
Per cent of increase	5.77	12.33	5.18	4.83	3.91
Gross earnings from operation	$810,745,495.46	$914,546,125.22	$940,954,224.02	$989,802,317.64	$1,074,104,550.13
Increase	$57,415,927.69	$103,800,629.76	$26,408,098.80	$48,848,093.62	$84,302,232.49
Per cent of increase	7.62	12.80	2.89	5.19	8.53
Income from all other sources	$38,320,457.02	$44,162,391.16	$43,704,875.70	$45,180,416.90	*b*$130,231,401.10
Increase	$89,694.87	$5,841,934.14		$1,475,541.20	$85,050,984.20
Per cent of increase	0.23	15.24		3.38	188.25
Decrease			$457,515.46		
Per cent of decrease			1.04		
Total earnings and income	$849,065,952.48	$958,708,516.38	$984,659,099.72	$1,034,982,734.54	$1,204,335,951.23
Increase	$57,505,922.56	$109,642,563.90	$25,950,583.34	$50,323,634.82	$169,353,216.69
Per cent of increase	7.26	12.91	2.71	5.11	16.36
Mileage of operated line for which no report of earnings was obtainable.	3,529.77	3,253.73	4,208.71	5,747.27	6,124.31

a Includes $24,693,767.00, "Other earnings from operation".

b Includes income from lease of road, $77,792,343.38.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP I.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$27,104,472.04	$28,871,250.56	$30,823,777.95	$29,246,266.44	$28,413,843.70
Increase		$1,766,778.52	$1,952,527.39		
Per cent of increase		6.52	6.76		
Decrease				$1,577,511.51	$832,422.74
Per cent of decrease				5.12	2.85
Earnings from passenger service	$23,380,368.84	$26,052,624.60	$27,384,691.26	$27,748,110.59	$27,366,153.36
Increase		$2,672,255.76	$1,332,066.66	$363,419.33	
Per cent of increase		11.43	5.11	1.33	
Decrease					$381,957.23
Per cent of decrease					1.38
Gross earnings from operation	$50,484,840.88	$54,923,875.16	$58,208,469.21	$56,994,377.03	$55,779,997.06
Increase		$4,439,034.28	$3,284,594.05		
Per cent of increase		8.79	5.98		
Decrease				$1,214,092.18	$1,214,379.97
Percent of decrease				2.09	2.13
Income from all other sources	$1,329,783.16	$1,549,725.93	$1,478,372.29	$1,292,935.59	$1,569,299.18
Increase		$219,942.77			$276,363.59
Per cent of increase		16.54			21.37
Decrease			$71,353.64	$185,436.70	
Per cent of decrease			4.60	12.54	
Total earnings and income	$51,814,624.04	$56,473,601.09	$59,686,841.50	$58,287,312.62	$57,349,296.24
Increase		$4,658,977.05	$3,213,240.41		
Per cent of increase		8.99	5.69		
Decrease				$1,399,528.88	$938,016.38
Per cent of decrease				2.34	1.61
Mileage of operated line for which no report of earnings was obtainable.	432.55	391.24	320.05	319.37	308.53

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$31,159,319.67	$33,068,314.30	$34,342,042.14	$33,981,444.53	*a*$40,420,374.32
Increase	$2,745,475.97	$1,908,994.63	$1,273,727.84		$6,438,929.79
Per cent of increase	9.66	6.13	3.85		18.95
Decrease				$360,597.61	
Per cent of decrease				1.05	
Earnings from passenger service	$29,305,992.04	$31,499,751.67	$33,242,378.29	$33,431,151.11	$36,619,014.16
Increase	$1,939,838.68	$2,193,759.63	$1,742,626.62	$188,772.82	$3,187,863.05
Per cent of increase	7.09	7.49	5.53	0.57	9.54
Gross earnings from operation	$60,465,311.71	$64,568,065.97	$67,584,420.43	$67,412,595.64	$77,039,388.48
Increase	$4,685,314.65	$4,102,754.26	$3,016,354.46		$9,626,792.84
Per cent of increase	8.40	6.79	4.67		14.28
Decrease				$171,824.79	
Per cent of decrease				0.25	
Income from all other sources	$1,585,643.99	$1,905,510.23	$1,766,405.96	$1,698,434.13	*b*$8,609,542.69
Increase	$16,344.81	$319,866.24			$6,911,108.56
Per cent of increase	1.04	20.17			406.91
Decrease			$139,044.27	$68,031.83	
Per cent of decrease			7.30	3.85	
Total earnings and income	$62,050,955.70	$66,473,576.20	$69,350,826.39	$69,111,029.77	$85,648,931.17
Increase	$4,701,659.46	$4,422,620.50	$2,877,310.19		$16,537,901.40
Per cent of increase	8.20	7.13	4.33		23.93
Decrease				$239,856.62	
Per cent of decrease				0.35	
Mileage of operated line for which no report of earnings was obtainable.	306.03	259.87	264.87	740.59	272.97

a Includes $874,157.27, "Other earnings from operation".

b Includes income from lease of road, $6,802,278.66.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP II.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$152,133,539.15	$154,990,603.90	$162,443,898.80	$152,171,992.63	$144,020,044.45
Increase		$2,857,064.75	$7,453,294.90		
Per cent of increase		1.88	4.81		
Decrease				$10,271,906.17	$8,151,948.18
Per cent of decrease				6.32	5.36
Earnings from passenger service	$50,182,054.12	$56,615,429.98	$58,568,592.31	$60,300,248.49	$56,993,606.04
Increase		$6,433,375.86	$1,953,162.33	$1,731,656.18	
Per cent of increase		12.82	3.45	2.96	
Decrease					$3,306,641.55
Per cent of decrease					5.48
Gross earnings from operation	$202,315,593.27	$211,606,033.88	$221,012,491.11	$212,472,241.12	$201,013,651.39
Increase		$9,290,440.61	$9,406,457.23		
Per cent of increase		4.59	4.45		
Decrease				$8,540,249.99	$11,458,589.73
Per cent of decrease				3.86	5.39
Income from all other sources	$16,120,541.75	$17,243,400.22	$18,524,061.08	$18,680,887.26	$16,504,478.07
Increase		$1,122,858.47	$1,280,660.86	$156,826.18	
Per cent of increase		6.97	7.43	0.85	
Decrease					$2,176,409.19
Per cent of decrease					11.65
Total earnings and income	$218,436,135.02	$228,849,434.10	$239,536,552.19	$231,153,128.38	$217,518,129.46
Increase		$10,413,299.08	$10,687,118.09		
Per cent of increase		4.77	4.67		
Decrease				$8,383,423.81	$13,634,998.92
Per cent of decrease				3.50	5.90
Mileage of operated line for which no report of earnings was obtainable.	301.22	404.17	438.66	413.81	272.56

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$158,339,053.49	$177,156,205.40	$186,663,545.73	$187,003,991.37	a$202,381,607.38
Increase	$14,319,099.04	$18,817,151.91	$9,507,340.33	$340,445.64	$15,377,616.01
Per cent of increase	9.94	11.88	5.37	0.18	8.22
Earnings from passenger service	$62,167,784.54	$68,244,527.45	$70,056,303.18	$74,365,087.60	$76,547,497.55
Increase	$5,174,177.60	$6,076,742.91	$1,811,775.73	$4,309,684.51	$2,181,569.86
Per cent of increase	9.08	9.77	2.65	6.15	2.93
Gross earnings from operation	$220,506,838.03	$245,400,732.85	$256,719,848.91	$261,369,079.00	$278,929,104.93
Increase	$19,493,186.64	$24,893,894.82	$11,319,116.06	$4,650,130.15	$17,559,125.87
Per cent of increase	9.70	11.29	4.61	1.81	6.72
Income from all other sources	$16,295,587.51	$18,693,305.11	$19,386,754.10	$17,521,414.99	b$43,717,697.01
Increase		$2,397,777.60	$693,388.99		$26,196,282.92
Per cent of increase		14.71	3.71		149.51
Decrease	$208,890.56			$1,865,339.11	
Per cent of decrease	1.27			9.62	
Total earnings and income	$236,802,425.54	$264,094,037.96	$276,106,603.01	$278,891,394.05	$322,646,802.84
Increase	$19,284,296.08	$27,291,672.42	$12,012,565.05	$2,784,791.04	$43,755,408.79
Per cent of increase	8.87	11.53	4.55	1.01	15.69
Mileage of operated line for which no report of earnings was obtainable.	351.66	420.30	444.74	684.30	384.60

a Includes $6,403,440.68, "Other earnings from operation".

b Includes income from lease of road, $27,826,431.98.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP III.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$77,673,029.85	$77,977,549.10	$86,228,682.64	$80,301,028.69	$76,344,987.38
Increase		$304,519.25	$8,251,133.54		
Per cent of increase		0.39	10.58		
Decrease				$5,927,653.95	$3,956,041.31
Per cent of decrease				6.87	4.93
Earnings from passenger service	$31,907,356.93	$36,832,124.78	$39,034,740.48	$38,530,869.20	$35,574,811.55
Increase		$4,804,767.85	$2,202,615.70		
Per cent of increase		15.22	5.98		
Decrease				$503,871.28	$2,956,054.65
Per cent of decrease				1.29	7.67
Gross earnings from operation	$109,040,386.78	$114,809,673.88	$125,263,423.12	$118,831,897.89	$111,919,801.93
Increase		$5,169,287.10	$10,453,749.24		
Per cent of increase		4.71	9.11		
Decrease				$6,431,525.23	$6,912,095.96
Per cent of decrease				5.13	5.82
Income from all other sources	$3,348,125.78	$2,741,658.34	$2,600,119.06	$2,279,349.06	$2,289,261.39
Increase					$9,912.33
Per cent of increase					0.43
Decrease		$606,467.44	$141,539.28	$320,770.00	
Per cent of decrease		18.11	5.16	12.34	
Total earnings and income	$112,988,512.56	$117,551,332.22	$127,863,542.18	$121,111,246.95	$114,209,063.32
Increase		$4,562,819.66	$10,312,209.96		
Per cent of increase		4.04	8.77		
Decrease				$6,752,295.23	$6,902,183.63
Per cent of decrease				5.28	5.79
Mileage of operated line for which no report of earnings was obtainable.	627.53	153.47	238.59	251.44	318.62

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$87,634,415.40	$104,477,562.10	$101,102,331.13	$106,151,697.80	a$117,470,403.46
Increase	$11,289,428.02	$16,843,146.70		$5,048,766.67	$11,319,385.66
Per cent of increase	14.79	19.22		4.99	10.66
Decrease			$3,375,230.97		
Per cent of decrease			3.23		
Earnings from passenger service	$37,952,902.40	$42,696,412.47	$45,062,879.99	$47,050,879.36	$47,310,847.41
Increase	$2,378,087.85	$4,743,510.07	$2,366,467.52	$1,987,999.37	$259,968.05
Per cent of increase	6.68	12.50	5.54	4.41	0.55
Gross earnings from operation	$125,587,317.80	$147,173,974.57	$146,165,211.12	$153,201,977.16	$164,781,240.87
Increase	$13,607,515.87	$21,586,656.77		$7,036,766.04	$11,579,263.71
Per cent of increase	12.21	17.19		4.81	7.56
Decrease			$1,008,763.45		
Per cent of decrease			0.69		
Income from all other sources	$2,872,235.61	$3,569,212.51	$2,893,552.56	$3,426,056.38	b$17,595,328.97
Increase	$542,974.22	$736,976.90		$532,503.82	$14,169,272.59
Per cent of increase	23.72	26.02		18.40	413.57
Decrease			$675,659.95		
Per cent of decrease			18.93		
Total earnings and income	$128,419,553.41	$150,743,187.08	$149,058,763.68	$156,628,033.54	$182,376,669.84
Increase	$14,210,490.09	$22,323,633.67		$7,569,269.86	$25,748,636.30
Per cent of increase	12.44	17.38		5.08	16.44
Decrease			$1,684,423.40		
Per cent of decrease			1.12		
Mileage of operated line for which no report of earnings was obtainable.	360.42	258.11	274.23	339.69	650.29

a Includes $3,098,697.39, "Other earnings from operation".

b Includes income from lease of road, $13,676,079.44.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP IV.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$12,419,308.65	$14,152,849.51	$16,093,589.66	$15,263,445.49	$15,472,276.18
Increase		$1,733,540.86	$1,940,740.15		$208,830.69
Per cent of increase		13.96	13.71		1.37
Decrease				$830,144.17	
Per cent of decrease				5.16	
Earnings from passenger service	$5,359,087.76	$6,353,670.04	$6,932,322.61	$7,293,361.76	$7,270,146.93
Increase		$994,583.18	$578,651.67	$361,039.15	
Per cent of increase		18.56	9.11	5.21	
Decrease					$23,214.83
Per cent of decrease					0.32
Gross earnings from operation	$17,778,396.41	$20,506,520.45	$23,025,912.27	$22,556,807.25	$22,742,423.11
Increase		$2,728,124.04	$2,519,391.82		$185,615.86
Per cent of increase		15.35	12.29		0.82
Decrease				$469,105.02	
Per cent of decrease				2.04	
Income from all other sources	$611,209.07	$671,427.32	$538,902.61	$613,203.29	$549,520.44
Increase		$60,218.25		$74,300.68	
Per cent of increase		9.85		13.79	
Decrease			$132,524.71		$63,682.85
Per cent of decrease			19.74		10.39
Total earnings and income	$18,389,605.48	$21,177,947.77	$23,564,814.88	$23,170,010.54	$23,291,943.55
Increase		$2,788,342.29	$2,386,867.11		$121,933.01
Per cent of increase		15.16	11.27		0.53
Decrease				$394,804.34	
Per cent of decrease				1.68	
Mileage of operated line for which no report of earnings was obtainable.	421.50	124.00	183.30	171.00	136.00

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$16,556,059.27	$18,643,856.17	$20,266,813.45	$23,096,298.90	*a*$26,301,958.87
Increase	$1,083,783.09	$2,087,796.90	$1,622,957.28	$2,829,485.45	$3,205,659.97
Per cent of increase	7.00	12.61	8.71	13.96	14.27
Earnings from passenger service	$7,427,467.07	$8,217,969.62	$9,163,458.60	$9,748,763.62	$11,676,472.22
Increase	$157,320.14	$790,502.55	$945,488.98	$585,305.02	$1,927,708.60
Per cent of increase	2.16	10.64	11.51	6.39	19.77
Gross earnings from operation	$23,983,526.34	$26,861,825.79	$29,430,272.05	$32,845,062.52	$38,068,431.09
Increase	$1,241,103.23	$2,878,299.45	$2,568,446.26	$3,414,790.47	$5,223,368.57
Per cent of increase	5.46	12.00	9.56	11.60	15.90
Income from all other sources	$697,268.22	$1,034,808.25	$1,266,773.11	$1,148,203.27	*b*$3,576,276.05
Increase	$147,747.78	$337,540.03	$231,964.86		$2,428,072.78
Per cent of increase	26.89	48.41	22.42		211.47
Decrease				$118,569.84	
Per cent of decrease				9.36	
Total earnings and income	$24,680,794.56	$27,896,634.04	$30,697,045.16	$33,993,265.79	$41,644,707.14
Increase	$1,388,851.01	$3,215,839.48	$2,800,411.12	$3,296,220.63	$7,651,441.35
Per cent of increase	5.96	13.03	10.04	10.74	22.51
Mileage of operated line for which no report of earnings was obtainable.	162.00	213.05	184.70	374.08	193.35

a Includes $803,565.80, "Other earnings from operation".

b Includes income from lease of road, $2,180,681.70.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP V.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$27,331,472.33	$29,118,564.62	$31,960,772.14	$32,956,987.02	$34,490,741.34
Increase		$1,787,092.29	$2,842,207.52	$996,214.88	$1,533,754.32
Per cent of increase		6.54	9.76	3.12	4.65
Earnings from passenger service	$11,221,186.21	$12,660,158.53	$14,130,292.72	$15,745,449.10	$17,238,379.35
Increase		$1,438,972.32	$1,470,134.19	$1,615,156.38	$1,492,930.25
Per cent of increase		12.82	11.61	11.43	9.48
Gross earnings from operations	$38,552,658.54	$41,778,723.15	$46,091,064.86	$48,702,436.12	$51,729,120.69
Increase		$3,226,064.61	$4,312,341.71	$2,611,371.26	$3,026,684.57
Per cent of increase		8.37	10.32	5.67	6.21
Income from all other sources	$1,134,590.97	$1,420,815.15	$1,488,815.53	$1,502,610.37	$1,445,907.06
Increase		$286,224.18	$68,000.38	$13,794.84	
Per cent of increase		25.23	4.79	0.93	
Decrease					$56,703.31
Per cent of decrease					3.77
Total earnings and income	$39,687,249.51	$43,199,538.30	$47,579,880.39	$50,205,046.49	$53,175,027.75
Increase		$3,512,288.79	$4,380,342.09	$2,625,166.10	$2,969,981.26
Per cent of increase		8.85	10.14	5.52	5.92
Mileage of operated line for which no report of earnings was obtainable.	1,163.32	745.00	1,132.90	1,112.42	726.03

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$37,247,927.91	$42,178,046.10	$46,005,903.74	$50,178,520.85	a$55,869,184.51
Increase	$2,757,186.57	$4,930,118.19	$3,827,862.64	$4,172,612.11	$5,690,663.66
Per cent of increase	7.99	13.24	9.08	9.07	11.34
Earnings from passenger service	$16,430,016.08	$18,402,042.95	$19,828,162.40	$20,989,083.85	$23,262,547.44
Increase		$1,972,026.87	$1,426,119.45	$1,160,921.45	$2,273,463.59
Per cent of increase		12.00	7.75	5.85	10.83
Decrease	$808,363.27				
Per cent of decrease	4.69				
Gross earnings from operation	$53,677,943.99	$60,580,089.05	$65,834,071.14	$71,167,604.70	$79,131,731.95
Increase	$1,948,823.30	$6,902,145.06	$5,253,982.09	$5,333,533.56	$7,964,127.25
Per cent of increase	3.77	12.86	8.67	8.10	11.19
Income from all other sources	$1,489,674.67	$2,140,444.05	$2,583,232.28	$3,180,363.32	b$7,873,976.88
Increase	$43,767.61	$650,769.38	$442,788.23	$597,131.04	$4,693,613.56
Per cent of increase	3.03	43.69	20.69	23.12	147.58
Total earnings and income	$55,167,618.66	$62,720,533.10	$68,417,303.42	$74,347,968.02	$87,005,708.83
Increase	$1,992,590.91	$7,552,914.44	$5,696,770.32	$5,930,664.60	$12,657,740.81
Per cent of increase	3.75	13.69	9.08	8.67	17.02
Mileage of operated line for which no report of earnings was obtainable.	837.88	677.35	1,142.80	1,285.15	1,792.15

a Includes $2,319,598.01, "Other earnings from operation".

b Includes income from lease of road, $4,485,733.20.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP VI.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$99,238,704.54	$105,538,601.04	$113,855,211.13	$110,050,047.49	$112,071,571.67
Increase		$6,299,896.50	$8,316,610.09		$2,021,524.18
Per cent of increase		6.35	7.88		1.84
Decrease				$3,805,163.64	
Per cent of decrease				3.34	
Earnings from passenger service	$33,562,505.18	$42,295,626.90	$44,802,995.47	$45,152,572.17	$42,415,719.72
Increase		$8,733,121.72	$2,507,368.57	$349,576.70	
Per cent of increase		26.02	5.93	0.78	
Decrease					$2,736,852.45
Per cent of decrease					6.06
Gross earnings from operation	$132,801,209.72	$147,834,227.94	$158,658,206.60	$155,202,619.66	$154,487,291.39
Increase		$15,033,018.22	$10,823,978.66		
Per cent of increase		11.32	7.32		
Decrease				$3,455,586.94	$715,328.27
Per cent of decrease				2.18	0.46
Income from all other sources	$3,229,911.62	$3,807,625.11	$3,919,082.45	$4,705,138.44	$4,560,020.99
Increase		$577,713.49	$111,457.34	$786,055.99	
Per cent of increase		17.89	2.93	20.06	
Decrease					$205,117.54
Per cent of decrease					4.36
Total earnings and income	$136,031,121.34	$151,641,853.05	$162,577,289.05	$159,907,758.10	$158,987,312.29
Increase		$15,610,731.71	$10,935,436.00		
Per cent of increase		11.48	7.21		
Decrease				$2,669,530.95	$920,445.81
Per cent of decrease				1.64	0.58
Mileage of operated line for which no report of earnings was obtainable.	379.77	349.18	369.06	507.56	621.22

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$114,954,469.18	$124,309,966.75	$116,561,020.55	$128,625,123.60	*a*$146,703,363.35
Increase	$2,882,807.51	$9,355,497.57		$12,064,103.05	$18,078,239.75
Per cent of increase	2.57	8.14		10.35	14.05
Decrease			$7,748,946.20		
Per cent of decrease			6.23		
Earnings from passenger service	$43,778,090.01	$48,829,855.23	$49,957,786.24	$52,542,217.31	$53,430,988.23
Increase	$1,362,370.20	$5,051,765.22	$1,127,931.01	$2,584,431.07	$888,770.97
Per cent of increase	3.21	11.54	2.31	5.17	1.69
Gross earnings from operation	$158,732,559.19	$173,139,821.98	$166,518,806.79	$181,167,340.91	$200,134,351.63
Increase	$4,245,267.80	$14,407,262.79		$14,648,534.12	$18,967,010.72
Per cent of increase	2.75	9.08		8.80	10.47
Decrease			$6,621,015.19		
Per cent of decrease			3.82		
Income from all other sources	$4,611,408.13	$6,754,877.72	$6,099,195.29	$7,971,925.02	*b*$15,298,327.63
Increase	$111,387.23	$2,143,469.59		$1,872,729.73	$7,326,402.61
Per cent of increase	2.48	46.48		30.70	91.90
Decrease			$655,682.43		
Per cent of decrease			9.71		
Total earnings and income	$163,343,967.32	$179,894,699.70	$172,618,002.08	$189,139,265.93	$215,432,679.26
Increase	$4,356,655.03	$16,550,732.38		$16,521,263.85	$26,293,413.33
Per cent of increase	2.74	10.13		9.57	13.90
Decrease			$7,276,697.62		
Per cent of decrease			4.04		
Mileage of operated line for which no report of earnings was obtainable.	404.82	327.82	911.20	805.00	722.64

a Includes $4,523,213.94, "Other earnings from operation".

b Includes income from lease of road, $6,815,462.05.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP VII.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$17,021,953.20	$19,637,362.23	$21,715,307.81	$21,046,789.08	$20,863,753.73
Increase		$2,015,409.03	$2,077,945.58		
Per cent of increase		11.44	10.58		
Decrease				$668,518.73	$183,035.35
Per cent of decrease				3.08	0.87
Earnings from passenger service	$4,662,757.81	$5,738,677.97	$6,729,558.88	$7,425,770.90	$7,153,662.79
Increase		$1,075,920.16	$990,880.91	$696,212.02	
Per cent of increase		23.07	17.27	10.35	
Decrease					$272,108.11
Per cent of decrease					3.66
Gross earnings from operation	$22,284,711.01	$25,376,040.20	$28,444,866.69	$28,472,559.98	$28,017,416.52
Increase		$3,091,329.19	$3,068,826.49	$27,693.29	
Per cent of increase		13.87	12.09	0.10	
Decrease					$455,143.46
Per cent of decrease					1.60
Income from all other sources	$905,552.92	$1,475,957.24	$1,495,829.94	$1,627,120.60	$1,553,586.68
Increase		$570,404.32	$19,872.70	$131,290.66	
Per cent of increase		62.99	1.35	8.78	
Decrease					$73,533.92
Per cent of decrease					4.52
Total earnings and income	$23,190,263.93	$26,851,997.44	$29,940,696.63	$30,099,680.58	$29,571,003.20
Increase		$3,661,733.51	$3,088,699.19	$158,983.95	
Per cent of increase		15.79	11.50	0.53	
Decrease					$528,677.38
Per cent of decrease					1.76

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$22,418,210.85	$25,066,009.65	$26,180,536.93	$27,884,670.08	a$32,760,803.33
Increase	$1,554,457.12	$2,648,698.80	$1,113,627.28	$1,704,134.05	$4,876,132.35
Per cent of increase	7.45	11.81	4.44	6.51	17.49
Earnings from passenger service	$7,773,740.85	$8,989,373.27	$9,714,933.81	$10,150,654.44	$12,404,884.15
Increase	$620,078.06	$1,215,632.42	$725,560.54	$435,720.63	$2,254,229.71
Per cent of increase	8.67	15.64	8.07	4.49	22.21
Gross earnings from operation	$30,191,951.70	$34,056,382.92	$35,895,470.74	$38,035,325.42	$45,165,687.48
Increase	$2,174,535.18	$3,864,331.22	$1,839,187.82	$2,139,854.68	$7,130,362.06
Per cent of increase	7.76	12.80	5.40	5.96	18.75
Income from all other sources	$2,124,305.05	$1,425,754.63	$1,497,316.40	$1,591,678.53	b$3,676,933.35
Increase	$570,718.37		$71,561.77	$94,362.13	$2,085,254.82
Per cent of increase	36.74		5.02	6.30	131.01
Decrease		$698,550.42			
Per cent of decrease		32.88			
Total earnings and income	$32,316,256.75	$35,482,037.55	$37,392,787.14	$39,627,003.95	$48,842,620.83
Increase	$2,745,253.55	$3,165,780.80	$1,910,749.59	$2,234,216.81	$9,215,616.88
Per cent of increase	9.28	9.80	5.39	5.97	23.26
Mileage of operated line for which no report of earnings was obtainable.				3.33	36.57

a Includes $610,565.75, "Other earnings from operation".

b Includes income from lease of road, $366,116.88.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP VIII.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$39,597,050.91	$42,537,534.89	$48,265,749.97	$48,711,307.70	$47,188,519.03
Increase		$2,939,883.98	$5,728,215.08	$445,557.73	
Per cent of increase		7.42	13.47	0.92	
Decrease					$1,522,788.67
Per cent of decrease					3.13
Earnings from passenger service	$14,726,746.38	$16,391,667.31	$17,242,815.23	$17,185,821.03	$17,323,179.55
Increase		$1,664,920.93	$851,147.92		$137,358.52
Per cent of increase		11.31	5.19		0.80
Decrease				$56,994.20	
Per cent of decrease				0.33	
Gross earnings from operation	$54,324,397.29	$58,929,202.20	$65,508,565.20	$65,897,128.73	$64,511,698.58
Increase		$4,604,804.91	$6,579,363.00	$388,563.53	
Per cent of increase		8.48	11.16	0.59	
Decrease					$1,385,430.15
Per cent of decrease					2.10
Income from all other sources	$2,965,042.96	$3,402,747.57	$2,517,575.00	$2,912,282.39	$3,165,650.75
Increase		$437,704.61		$394,707.39	$253,368.36
Per cent of increase		14.76		15.68	8.70
Decrease			$885,172.57		
Per cent of decrease			26.01		
Total earnings and income	$57,289,440.25	$62,331,949.77	$68,026,140.20	$68,809,411.12	$67,677,349.33
Increase		$5,042,509.52	$5,694,190.43	$783,270.92	
Per cent of increase		8.80	9.14	1.15	
Decrease					$1,132,061.79
Per cent of decrease					1.65
Mileage of operated line for which no report of earnings was obtainable.	175.20	562.60	261.29	233.15	273.89

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$49,742,829.04	$59,207,324.25	$56,299,758.42	$61,384,771.69	a$66,855,514.84
Increase	$2,554,310.01	$9,464,495.21		$5,085,013.27	$5,470,743.15
Per cent of increase	5.41	19.03		9.03	8.91
Decrease			$2,907,565.83		
Per cent of decrease			4.91		
Earnings from passenger service	$18,130,649.88	$22,904,397.95	$22,939,841.07	$24,253,405.88	$23,071,205.81
Increase	$807,470.33	$4,773,748.07	$35,443.12	$1,313,564.81	
Per cent of increase	4.66	26.33	0.15	5.73	
Decrease					$1,182,200.07
Per cent of decrease					4.87
Gross earnings from operation	$67,873,478.92	$82,111,722.20	$79,239,599.49	$85,638,177.57	$89,926,720.05
Increase	$3,361,780.34	$14,238,243.28		$6,398,578.08	$4,288,543.03
Per cent of increase	5.21	20.98		8.07	5.01
Decrease			$2,872,122.71		
Per cent of decrease			3.50		
Income from all other sources	$4,787,681.96	$5,853,100.36	$5,904,027.40	$6,097,838.74	b$7,835,067.17
Increase	$1,622,031.21	$1,065,418.40	$50,927.04	$193,811.34	$1,737,228.43
Per cent of increase	51.24	22.25	0.87	3.28	28.49
Total earnings and income	$72,661,160.88	$87,964,822.56	$85,143,626.89	$91,736,016.31	$97,761,787.82
Increase	$4,983,811.55	$15,303,661.68		$6,592,389.42	$6,025,771.51
Per cent of increase	7.36	21.06		7.74	6.57
Decrease			$2,821,195.67		
Per cent of decrease			3.21		
Mileage of operated line for which no report of earnings was obtainable.	374.89	579.30	343.94	277.07	402.07

a Includes $3,466,469.99, "Other earnings from operation".

b Includes income from lease of road, $3,078,213.64.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP IX.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$12,954,496.57	$16,659,801.02	$19,688,485.27	$17,197,971.50	$16,505,426.21
Increase		$3,705,304.45	$3,028,684.25		
Per cent of increase		28.60	18.18		
Decrease				$2,490,513.77	$692,545.29
Per cent of decrease				12.65	4.03
Earnings from passenger service	$3,703,547.16	$5,293,860.74	$6,608,129.91	$6,451,886.03	$6,166,265.63
Increase		$1,590,313.58	$1,314,269.17		
Per cent of increase		42.94	24.83		
Decrease				$156,242.98	$285,621.30
Per cent of decrease				2.36	4.43
Gross earnings from operation	$16,658,043.73	$21,953,661.76	$26,296,615.18	$23,649,858.43	$22,671,691.84
Increase		$5,295,618.03	$4,342,953.42		
Per cent of increase		31.79	19.78		
Decrease				$2,646,756.75	$978,166.59
Per cent of decrease				10.07	4.14
Income from all other sources	$224,454.03	$1,449,193.65	$1,849,137.46	$1,264,243.19	$996,361.93
Increase		$1,224,739.62	$399,943.81		
Per cent of increase		545.65	27.60		
Decrease				$584,894.27	$267,881.20
Per cent of decrease				31.63	21.19
Total earnings and income	$16,882,497.76	$23,402,855.41	$28,145,752.64	$24,914,101.62	$23,668,053.77
Increase		$6,520,357.65	$4,742,897.23		
Per cent of increase		38.62	20.27		
Decrease				$3,231,651.02	$1,246,047.85
Per cent of decrease				11.48	5.00
Mileage of operated line for which no report of earnings was obtainable.	350.55	909.05	753.75	782.75	403.50

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$19,245,421.34	$22,194,860.48	$23,609,391.79	$28,294,340.19	*a*$30,824,173.70
Increase	$2,739,995.13	$2,949,439.14	$1,414,531.31	$4,684,948.40	$2,529,833.51
Per cent of increase	16.60	15.33	6.37	19.84	8.94
Earnings from passenger service	$6,871,956.40	$7,644,077.42	$8,075,600.54	$9,000,820.84	$9,627,428.74
Increase	$705,690.77	$772,121.02	$431,523.12	$925,220.30	$626,607.90
Per cent of increase	11.44	11.24	5.65	11.46	6.96
Gross earnings from operation	$26,117,377.74	$29,838,937.90	$31,684,992.33	$37,295,161.03	$40,451,602.44
Increase	$3,445,685.90	$3,721,560.16	$1,846,054.43	$5,610,168.70	$3,156,441.41
Per cent of increase	15.20	14.25	6.19	17.71	8.46
Income from all other sources	$2,469,762.56	$1,644,646.50	$1,041,935.21	$1,084,109.79	*b*$1,629,282.41
Increase	$1,473,400.63			$42,174.58	$545,172.62
Per cent of increase	147.88			4.05	50.29
Decrease		$825,116.06	$602,711.29		
Per cent of decrease		33.41	36.65		
Total earnings and income	$28,587,140.30	$31,483,584.40	$32,726,927.54	$38,379,270.82	$42,080,884.85
Increase	$4,919,086.53	$2,896,444.10	$1,243,343.14	$5,652,343.28	$3,701,614.03
Per cent of increase	20.78	10.13	3.95	17.27	9.64
Mileage of operated line for which no report of earnings was obtainable.	373.00	132.10	142.20	342.90	829.65

a Includes $755,442.51, "Other earnings from operation".

b Includes income from lease of road, $1,087,571.75.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT RECEIVED FROM TRANSPORTATION AND OTHER SOURCES, INCREASE OR DECREASE OF THE AMOUNT, AND PERCENTAGE OF FLUCTUATION—Continued.

GROUP X.

ANALYSIS OF EARNINGS AND INCOME.	1881	1882	1883	1884	1885
Earnings from freight service	$22,778,472.31	$26,346,309.24	$26,409,259.70	$25,171,895.13	$26,648,046.94
Increase		$3,567,836.93	$62,950.46		$1,476,151.81
Per cent of increase		15.66	0.24		5.86
Decrease				$1,237,364.57	
Per cent of decrease				4.69	
Earnings from passenger service	$10,490,571.65	$12,858,631.04	$14,200,722.26	$14,510,179.38	$13,808,428.32
Increase		$2,368,059.39	$1,432,091.22	$219,457.12	
Per cent of increase		22.57	11.14	1.54	
Decrease					$701,751.06
Per cent of decrease					4.84
Gross earnings from operation	$33,269,043.96	$39,204,940.28	$40,609,981.96	$39,682,074.51	$40,456,475.26
Increase		$5,935,896.32	$1,405,041.68		$774,400.75
Per cent of increase		17.84	3.81		1.95
Decrease				$1,017,907.45	
Per cent of decrease				2.50	
Income from all other sources	$3,744,053.08	$3,669,029.91	$3,602,267.27	$4,584,241.47	$5,656,675.75
Increase				$981,974.20	$1,072,434.28
Per cent of increase				27.26	23.39
Decrease		$75,023.17	$66,762.64		
Per cent of decrease		2.00	1.82		
Total earnings and income	$37,013,097.04	$42,873,970.19	$44,302,249.23	$44,266,315.98	$46,113,151.01
Increase		$5,860,873.15	$1,428,279.04		$1,846,835.03
Per cent of increase		15.83	3.33		4.17
Decrease				$35,933.25	
Per cent of decrease				0.08	
Mileage of operated line for which no report of earnings was obtainable.	197.63	240.23	247.54	314.07	341.74

ANALYSIS OF EARNINGS AND INCOME.	1886	1887	1888	1889	1890
Earnings from freight service	$28,787,633.92	$33,409,687.42	$40,864,404.10	$40,169,385.51	[a]$39,542,020.14
Increase	$2,139,586.98	$4,622,053.50	$7,454,716.68		
Per cent of increase	8.03	16.06	22.31		
Decrease				$695,018.59	$627,365.37
Per cent of decrease				1.70	1.56
Earnings from passenger service	$14,821,556.12	$17,404,984.57	$21,017,126.92	$21,499,708.12	$20,934,170.47
Increase	$1,013,127.80	$2,583,428.45	$3,612,142.35	$482,581.20	
Per cent of increase	7.34	17.43	20.75	2.30	
Decrease					$565,537.65
Per cent of decrease					2.63
Gross earnings from operation	$43,609,190.04	$50,814,671.99	$61,881,531.02	$61,669,093.63	$60,476,190.61
Increase	$3,152,714.78	$7,205,481.95	$11,066,859.03		
Per cent of increase	7.79	16.52	21.78		
Decrease				$212,437.39	$1,192,903.02
Per cent of decrease				0.34	1.93
Income from all other sources	$1,426,889.32	$1,140,671.80	$1,265,623.39	$1,460,392.73	[b]$20,418,968.04
Increase			$124,951.59	$194,769.34	$18,958,575.31
Per cent of increase			10.95	15.39	1,298.18
Decrease	$4,220,786.43	$280,217.52			
Per cent of decrease	74.78	20.06			
Total earnings and income	$45,036,079.36	$51,955,343.79	$63,147,154.41	$63,129,486.36	$80,895,158.65
Increase		$6,919,264.43	$11,191,810.62		$17,765,672.29
Per cent of increase		15.36	21.54		28.14
Decrease	$1,077,071.65			$17,668.05	
Per cent of decrease	2.34			0.03	
Mileage of operated line for which no report of earnings was obtainable.	359.07	385.74	500.03	889.16	833.96

[a] Includes $1,838,615.55 "Other earnings from operation".

[b] Includes income from lease of road, $11,478,774.08.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS.

THE UNITED STATES.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$418,363,976.75	$457,654,750.29	$490,868,908.85	$497,039,576.50	$478,420,317.04
Increase		$38,690,773.54	$33,214,158.56	$6,170,667.65	
Per cent of increase		9.25	7.40	1.26	
Decrease					$18,619,259.46
Per cent of decrease					3.75
Interest on funded debt	$109,680,296.08	$124,908,140.29	$133,406,137.23	$144,680,728.94	$147,645,265.08
Increase		$15,227,844.21	$8,497,996.94	$11,274,591.71	$2,964,476.14
Per cent of increase		13.88	6.80	8.45	2.05
Rentals	$44,758,438.84	$50,121,919.89	$56,742,116.05	$63,458,312.46	$61,848,886.16
Increase		$5,363,481.05	$6,620,196.16	$6,716,202.41	
Per cent of increase		11.98	13.21	11.84	
Decrease					$1,609,430.30
Per cent of decrease					2.54
Taxes	$15,745,611.13	$18,667,735.45	$20,369,476.94	$22,562,592.34	$22,593,196.51
Increase		$2,922,124.32	$1,701,741.40	$2,193,115.40	
Per cent of increase		18.56	9.12	10.77	
Decrease					$30,596.03
Per cent of decrease					0.10
Miscellaneous	$22,647,115.35	$22,112,747.67	$25,356,668.74	$22,373,442.61	$23,473,149.49
Total expenditures	$611,195,438.15	$672,865,293.59	$726,743,307.81	$750,114,653.85	$733,926,755.99
Increase		$61,669,855.44	$53,878,014.22	$23,371,351.04	
Per cent of increase		10.09	8.01	3.22	
Decrease					$16,187,902.86
Per cent of decrease					2.16
Dividends	$73,732,331.34	$79,724,857.33	$81,885,710.00	$74,276,294.51	$59,222,256.02
Increase		$5,992,525.99	$2,160,852.67		
Per cent of increase		8.13	2.71		
Decrease				$7,609,415.49	$15,054,038.49
Per cent of decrease				9.29	20.27
Mileage of operated line for which no report of expenditures was obtainable.	4,158.77	3,879.54	3,944.46	4,105.57	3,471.14

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$503,707,310.82	$580,598,315.24	$638,576,064.42	$655,213,751.89	$705,314,954.87
Increase	$30,286,993.78	$71,891,004.42	$57,977,749.18	$17,637,687.47	$49,701,202.98
Per cent of increase	6.33	14.13	9.99	2.76	7.57
Interest on funded debt	$148,734,796.52	$161,850,912.51	$170,502,741.96	$176,668,948.14	$216,866,752.73
Increase	$1,089,591.44	$13,116,115.99	$8,651,829.45	$6,166,206.18	$40,197,804.59
Per cent of increase	0.74	8.82	5.35	3.62	22.75
Rentals	$65,130,079.70	$64,790,010.68	$68,028,854.37	$70,116,801.88	$92,572,287.41
Increase	$3,281,191.54		$3,238,843.69	$2,087,947.51	$22,255,485.53
Per cent of increase	5.31		5.00	3.07	31.74
Decrease		$340,069.02			
Per cent of decrease		0.52			
Taxes	$24,118,911.21	$25,943,919.81	$28,242,787.37	$29,955,920.02	$31,943,020.10
Increase	$1,579,714.90	$1,825,008.60	$2,298,867.56	$1,713,132.65	$1,987,100.08
Per cent of increase	7.01	7.57	8.86	6.07	6.63
Miscellaneous	$21,283,987.69	$24,848,035.55	$23,484,887.66	$27,349,937.71	$42,559,956.47
Total expenditures	$767,975,085.94	$858,031,193.79	$928,835,335.78	$960,305,359.64	$1,089,656,971.53
Increase	$34,048,329.95	$90,056,107.85	$70,804,141.99	$31,470,023.86	$129,351,611.94
Per cent of increase	4.64	11.73	8.25	3.39	13.47
Dividends	$80,919,160.09	$70,975,373.21	$59,122,113.79	$56,964,865.09	$87,723,726.69
Increase	$1,696,904.07	$10,056,213.12			$30,758,861.60
Per cent of increase	2.87	16.51			54.00
Decrease			$11,853,259.42	$2,157,248.10	
Per cent of decrease			16.70	3.65	
Mileage of operated line for which no report of expenditures was obtainable.	3,525.37	3,253.73	4,059.91	5,607.63	6,124.31

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP I.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$34,434,313.15	$38,212,382.33	$40,929,557.10	$39,271,058.16	$36,695,010.28
Increase		$3,778,069.18	$2,717,174.77		
Per cent of increase		10.97	7.11		
Decrease				$1,657,598.94	$2,576,947.88
Per cent of decrease				4.05	6.56
Interest on funded debt	$4,781,963.23	$5,416,179.91	$6,276,774.22	$6,633,505.03	$5,028,934.48
Increase		$634,216.68	$860,594.31	$356,730.81	
Per cent of increase		13.26	15.89	5.68	
Decrease					$1,605,470.55
Per cent of decrease					15.10
Rentals	$2,330,483.09	$2,743,145.54	$2,769,609.69	$2,640,985.66	$4,188,911.50
Increase		$412,662.45	$26,464.15		$1,547,925.84
Per cent of increase		17.71	0.96		58.61
Decrease				$128,624.03	
Per cent of decrease				4.64	
Taxes	$1,767,748.72	$2,054,209.96	$2,200,086.26	$2,387,832.89	$2,301,465.66
Increase		$286,461.24	$145,876.30	$187,746.63	
Per cent of increase		16.20	7.10	8.53	
Decrease					$26,367.23
Per cent of decrease					1.10
Miscellaneous	$324,323.06	$238,653.65	$261,877.33	$269,569.22	$305,990.37
Total expenditures	$43,638,831.25	$48,664,551.39	$52,437,904.60	$51,203,850.96	$49,179,412.20
Increase		$5,025,720.14	$3,773,353.21		
Per cent of increase		11.52	7.75		
Decrease				$1,234,053.64	$2,024,438.07
Per cent of decrease				2.35	3.95
Dividends	$7,168,850.36	$7,425,458.17	$7,557,600.00	$7,637,643.10	$7,606,144.99
Increase		$256,607.81	$132,141.83	$80,043.10	
Per cent of increase		3.58	1.78	1.06	
Decrease					$31,498.11
Per cent of decrease					0.41
Mileage of operated line for which no report of expenditures was obtainable.	432.55	301.24	319.37	319.37	308.53

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$39,804,341.50	$44,099,400.92	$47,952,634.23	$46,316,867.74	$52,202,221.08
Increase	$3,109,331.22	$4,295,059.42	$3,853,233.31		$5,885,354.24
Per cent of increase	8.47	10.79	8.74		12.71
Decrease				$1,635,766.49	
Per cent of decrease				3.41	
Interest on funded debt	$5,702,449.57	$5,667,796.13	$5,573,628.38	$5,507,085.27	$8,061,245.13
Increase	$74,415.09				$2,554,159.86
Per cent of increase	1.32				46.38
Decrease		$34,653.44	$94,167.75	$66,543.11	
Per cent of decrease		0.61	1.66	1.19	
Rentals	$4,563,756.95	$4,902,021.31	$5,995,795.43	$7,258,945.84	$8,048,191.83
Increase	$374,845.45	$338,264.36	$1,093,774.12	$1,263,150.41	$789,245.99
Per cent of increase	8.95	7.41	22.31	21.07	10.87
Taxes	$2,409,414.22	$2,794,848.78	$3,033,559.38	$3,024,508.43	$3,376,556.46
Increase	$47,948.56	$385,434.56	$238,710.60		$352,048.03
Per cent of increase	2.03	16.00	8.54		11.64
Decrease				$9,050.95	
Per cent of decrease				0.30	
Miscellaneous	$224,537.86	$281,334.85	$171,083.34	$401,269.13	$1,054,726.44
Total expenditures	$52,704,500.10	$57,745,401.99	$62,726,700.76	$62,508,676.41	$72,742,941.84
Increase	$3,525,087.81	$5,040,901.89	$4,981,298.77		$10,234,265.43
Per cent of increase	7.17	9.56	8.63		16.37
Decrease				$218,024.36	
Per cent of decrease				0.35	
Dividends	$7,801,010.47	$8,139,248.93	$7,976,235.10	$6,031,096.71	$10,772,423.14
Increase	$194,865.48	$338,238.46			$4,741,326.43
Per cent of increase	2.56	4.34			78.61
Decrease			$1,063,013.83	$1,045,138.39	
Per cent of decrease			13.06	14.77	
Mileage of operated line for which no report of expenditures was obtainable.	306.03	259.87	264.87	753.42	272.97

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP II.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$124,410,123.82	$133,471,187.89	$137,525,490.95	$138,731,845.90	$130,729,430.01
Increase		$9,061,064.07	$4,054,303.06	$1,206,354.95	
Per cent of increase		7.28	3.04	0.88	
Decrease					$8,002,415.89
Per cent of decrease					5.77
Interest on funded debt	$32,319,953.95	$32,921,736.64	$32,100,890.50	$35,898,704.09	$35,025,526.86
Increase		$601,782.69		$3,797,813.59	
Per cent of increase		1.86		11.83	
Decrease			$820,846.14		$873,177.23
Per cent of decrease			2.49		2.43
Rentals	$19,948,214.67	$21,588,493.88	$24,522,846.56	$28,826,662.52	$29,136,815.73
Increase		$1,640,279.21	$2,934,352.68	$4,303,815.96	$310,153.21
Per cent of increase		8.22	13.59	17.55	1.08
Taxes	$4,777,983.41	$5,149,544.63	$5,546,490.81	$5,585,377.86	$5,705,369.29
Increase		$371,561.22	$396,946.18	$38,887.05	$119,991.43
Per cent of increase		7.78	7.71	0.70	2.15
Miscellaneous	$5,075,384.26	$5,747,033.20	$7,232,863.72	$7,238,447.98	$6,238,316.79
Total expenditures	$186,531,660.11	$198,877,996.24	$206,928,582.54	$216,281,038.35	$206,835,458.68
Increase		$12,346,336.13	$8,050,586.30	$9,352,455.81	
Per cent of increase		6.62	4.05	4.52	
Decrease					$9,445,579.67
Per cent of decrease					4.37
Dividends	$22,260,458.01	$24,120,042.74	$26,313,529.64	$24,730,174.65	$17,397,445.00
Increase		$1,859,584.73	$2,193,486.90		
Per cent of increase		8.35	9.09		
Decrease				$1,583,354.99	$7,332,729.65
Per cent of decrease				6.02	29.65
Mileage of operated line for which no report of expenditures was obtainable.	400.72	404.17	438.66	413.81	268.56

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$138,632,660.97	$155,321,337.86	$165,560,873.19	$171,422,347.55	$180,535,529.63
Increase	$7,903,230.96	$16,688,676.89	$10,239,535.33	$5,861,474.36	$9,113,182.08
Per cent of increase	6.05	12.04	6.59	3.54	5.32
Interest on funded debt	$35,067,568.10	$35,889,149.38	$36,038,496.64	$36,381,514.63	$49,371,266.35
Increase	$42,041.24	$821,581.28	$149,347.26	$343,017.99	$12,989,751.72
Per cent of increase	0.12	2.34	0.42	0.95	35.70
Rentals	$31,191,187.48	$27,660,710.59	$28,545,470.35	$28,366,591.87	$33,576,763.46
Increase	$2,054,371.75		$884,759.76		$5,210,171.59
Per cent of increase	7.05		3.20		18.37
Decrease		$3,530,476.89		$178,878.48	
Per cent of decrease		11.32		0.63	
Taxes	$5,823,315.58	$6,212,594.41	$6,328,590.56	$6,375,607.68	$7,222,863.75
Increase	$117,946.29	$389,278.83	$115,996.15	$47,017.32	$847,255.87
Per cent of increase	2.07	6.68	1.87	0.74	13.29
Miscellaneous	$8,072,800.08	$7,330,050.05	$7,574,068.70	$9,428,442.02	$11,829,545.56
Total expenditures	$218,787,532.21	$232,422,851.20	$244,047,499.44	$251,974,503.95	$282,535,968.75
Increase	$11,952,073.53	$13,635,319.08	$11,624,648.15	$7,927,004.51	$30,561,464.80
Per cent of increase	5.78	6.23	5.00	3.25	12.13
Dividends	$17,357,320.50	$18,276,408.66	$17,654,607.56	$19,119,921.82	$29,309,542.21
Increase		$919,088.16		$1,465,314.26	$10,189,620.39
Per cent of increase		5.30		8.30	53.29
Decrease	$40,124.50		$621,801.10		
Per cent of decrease	0.23		3.40		
Mileage of operated line for which no report of expenditures was obtainable.	347.26	420.39	444.74	684.50	384.66

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP III.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$75,791,059.53	$78,919,116.69	$85,774,240.54	$85,887,383.15	$81,356,004.19
Increase		$3,128,057.16	$6,855,123.85	$113,142.61	
Per cent of increase		4.13	8.69	0.13	
Decrease					$4,531,378.96
Per cent of decrease					5.28
Interest on funded debt	$13,572,097.52	$14,606,403.17	$17,102,778.29	$17,672,479.36	$17,799,213.14
Increase		$1,034,305.65	$2,496,375.12	$569,701.07	$126,733.78
Per cent of increase		7.62	17.09	3.33	0.72
Rentals	$8,716,355.47	$9,503,216.07	$10,817,875.82	$14,661,901.93	$12,166,093.50
Increase		$786,860.60	$1,314,659.75	$3,844,026.11	
Per cent of increase		9.03	13.83	35.53	
Decrease					$2,495,808.43
Per cent of decrease					17.02
Taxes	$2,537,761.20	$2,688,936.84	$2,890,035.69	$3,213,368.57	$3,357,715.73
Increase		$151,175.64	$201,098.85	$323,332.88	$144,347.16
Per cent of increase		5.96	7.48	11.19	4.49
Miscellaneous	$2,728,306.29	$1,872,243.28	$2,226,003.47	$120.00	$2,337,527.47
Total expenditures	$103,345,580.01	$107,589,916.05	$118,810,933.81	$121,435,253.01	$117,016,554.03
Increase		$4,244,336.04	$11,221,017.76	$2,624,319.20	
Per cent of increase		4.11	10.43	2.21	
Decrease					$4,418,698.98
Per cent of decrease					3.64
Dividends	$7,130,007.35	$5,880,294.80	$7,254,877.58	$4,727,199.43	$2,751,872.62
Increase			$1,374,582.78		
Per cent of increase			23.38		
Decrease		$1,249,712.55		$2,527,678.15	$1,975,326.81
Per cent of decrease		17.53		34.84	41.79
Mileage of operated line for which no report of expenditures was obtainable.	627.53	153.47	238.59	251.44	318.02

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$85,275,272.49	$98,182,977.75	$102,656,407.62	$106,117,226.08	$112,536,209.15
Increase	$3,919,268.30	$12,907,705.26	$4,473,429.87	$3,460,818.46	$6,418,983.07
Per cent of increase	4.82	15.14	4.56	3.37	6.05
Interest on funded debt	$18,455,694.70	$19,481,480.43	$19,637,301.85	$19,588,924.38	$29,711,486.98
Increase	$656,481.56	$1,025,785.73	$155,821.42		$10,122,564.60
Per cent of increase	3.69	5.56	0.80		51.67
Decrease				$48,377.47	
Per cent of decrease				0.25	
Rentals	$12,690,976.54*	$12,580,990.69	$12,412,013.52	$12,437,247.97	$13,266,906.88
Increase	$524,883.04			$25,234.45	$829,658.91
Per cent of increase	4.31			0.20	6.67
Decrease		$109,985.85	$168,977.17		
Per cent of decrease		0.87	1.34		
Taxes	$3,562,126.01	$3,597,717.45	$3,843,850.43	$4,058,113.44	$4,139,477.10
Increase	$204,410.28	$35,591.44	$246,132.98	$214,263.01	$81,363.66
Per cent of increase	6.09	1.00	6.84	5.57	2.00
Miscellaneous	$2,175,349.31	$3,776,158.95	$2,916,521.28	$3,042,984.09	$4,550,402.11
Total expenditures	$122,159,419.05	$137,619,325.27	$141,466,094.70	$145,244,495.96	$164,204,484.22
Increase	$5,142,865.02	$15,459,906.22	$3,846,769.43	$3,778,401.26	$18,959,988.26
Per cent of increase	4.39	12.66	2.80	2.67	13.05
Dividends	$3,719,715.96	$5,352,977.93	$5,618,185.80	$6,188,056.53	$11,747,057.26
Increase	$967,843.34	$1,633,261.97	$265,207.87	$569,870.73	$5,559,000.73
Per cent of increase	35.17	43.91	4.95	10.14	89.83
Mileage of operated line for which no report of expenditures was obtainable.	360.42	258.11	274.23	336.51	650.29

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP IV.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$11,737,810.43	$14,173,552.85	$14,780,894.43	$14,998,263.92	$14,690,581.08
Increase		$2,435,742.42	$607,341.58	$217,369.49	
Per cent of increase		20.75	4.29	1.47	
Decrease					$98,682.84
Per cent of decrease					0.66
Interest on funded debt	$2,861,093.63	$4,302,141.40	$5,127,439.88	$6,062,697.26	$5,522,090.76
Increase		$1,441,041.77	$825,298.48	$935,257.38	
Per cent of increase		50.37	19.18	18.24	
Decrease					$540,606.50
Per cent of decrease					8.92
Rentals	$543,210.89	$645,273.27	$641,930.37	$635,157.81	$634,588.37
Increase		$102,062.38			
Per cent of increase		18.79			
Decrease			$3,342.90	$6,772.56	$569.44
Per cent of decrease			0.52	1.06	0.09
Taxes	$198,019.16	$392,368.75	$504,711.78	$512,436.37	$603,327.91
Increase		$194,349.59	$112,343.03	$7,724.59	$90,891.54
Per cent of increase		98.15	28.63	1.53	17.74
Miscellaneous	$1,656,596.22	$899,974.21	$987,854.40	$615,935.81	$725,419.11
Total expenditures	$16,996,736.33	$20,413,310.48	$22,042,830.86	$22,824,491.17	$22,385,007.23
Increase		$3,416,574.15	$1,629,520.38	$781,660.31	
Per cent of increase		20.10	7.98	3.55	
Decrease					$439,483.94
Per cent of decrease					1.93
Dividends	$504,802.08	$1,437,060.14	$1,116,975.25	$666,951.20	$665,707.35
Increase		$932,258.06			
Per cent of increase		184.68			
Decrease			$320,084.89	$450,024.05	$1,243.85
Per cent of decrease			22.27	40.29	0.19
Mileage of operated line for which no report of expenditures was obtainable.	431.50	124.00	183.30	171.00	149.00

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$16,019,095.82	$17,812,621.28	$20,011,777.69	$22,782,033.46	$25,801,794.81
Increase	$1,119,514.74	$1,793,525.46	$2,199,156.41	$2,770,255.77	$3,019,761.35
Per cent of increase	7.51	11.20	12.35	13.84	13.26
Interest on funded debt	$5,607,333.51	$6,010,026.02	$7,120,614.42	$7,491,164.66	$8,854,584.25
Increase	$85,242.75	$402,692.51	$1,110,588.40	$370,550.24	$1,363,419.59
Per cent of increase	1.54	7.18	18.48	5.20	18.20
Rentals	$769,911.62	$781,823.53	$784,363.14	$822,569.16	$2,488,736.30
Increase	$135,323.25	$11,911.91	$2,539.61	$38,206.02	$1,666,167.23
Per cent of increase	21.32	1.55	0.32	4.87	202.56
Taxes	$592,095.12	$688,060.57	$684,126.23	$759,360.93	$801,396.11
Increase		$95,965.45		$75,234.70	$42,035.18
Per cent of increase		16.21		11.00	5.54
Decrease	$11,232.79		$3,934.34		
Per cent of decrease	1.86		0.57		
Miscellaneous	$802,620.67	$787,904.48	$359,080.07	$403,938.20	$1,771,713.92
Total expenditures	$23,791,066.74	$26,080,435.88	$28,959,961.55	$32,259,066.41	$39,718,225.48
Increase	$1,406,059.51	$2,289,369.14	$2,879,525.67	$3,299,104.86	$7,459,159.07
Per cent of increase	6.28	9.62	11.04	11.39	23.12
Dividends	$596,969.20	$986,808.75	$1,374,476.75	$2,059,733.02	$2,371,777.00
Increase		$389,839.55	$387,668.00	$685,256.27	$312,043.98
Per cent of increase		65.30	39.29	49.86	15.15
Decrease	$68,738.15				
Per cent of decrease	10.33				
Mileage of operated line for which no report of expenditures was obtainable.	162.00	213.05	184.70	374.08	193.35

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP V.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$24,683,006.19	$27,229,575.64	$28,682,095.89	$30,918,335.38	$33,695,[illegible]
Increase		$2,546,569.45	$1,452,520.25	$2,236,239.49	$2,777,[illegible]
Per cent of increase		10.32	5.33	7.80	[illegible]
Interest on funded debt	$6,870,144.53	$9,009,170.86	$9,385,657.64	$10,842,283.01	$10,981,[illegible]
Increase		$2,739,026.33		$1,456,625.37	$139,[illegible]
Per cent of increase		39.87		15.52	1.28
Decrease			$223,513.22		
Per cent of decrease			2.33		
Rentals	$1,968,771.52	$2,482,051.58	$4,032,469.16	$4,123,896.34	$4,194,[illegible]
Increase		$513,280.06	$1,550,417.58	$91,427.18	$70,[illegible]
Per cent of increase		26.07	62.47	2.27	1.71
Taxes	$581,990.56	$891,990.92	$940,666.66	$1,006,430.41	$1,354,[illegible]
Increase		$310,000.36	$48,675.74	$65,763.75	$348,[illegible]
Per cent of increase		53.27	5.46	6.99	34.60
Miscellaneous	$1,017,360.51	$741,113.05	$772,800.06	$521,748.33	$817,8[illegible]
Total expenditures	$35,121,273.31	$40,953,902.05	$43,813,689.41	$47,412,693.47	$51,[illegible]
Increase		$5,832,628.74	$2,859,787.36	$3,599,004.06	$3,[illegible]
Per cent of increase		16.61	6.98	8.21	7.66
Dividends	$3,030,869.00	$1,449,262.35	$2,102,993.19	$2,201,748.51	$1,529,[illegible]
Increase			$653,730.84	$98,755.32	
Per cent of increase			45.11	4.70	
Decrease		$1,581,606.65			$671,[illegible]
Per cent of decrease		52.18			30.51
Mileage of operated line for which no report of expenditures was obtainable.	1,163.32	745.60	1,132.90	1,112.42	730.63

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$34,667,517.37	$38,630,145.17	$44,481,953.77	$47,518,210.17	$52,389,[illegible]
Increase	$971,915.89	$3,962,627.80	$5,851,808.60	$3,036,256.40	$4,871,[illegible]
Per cent of increase	2.88	11.43	15.15	6.83	10.25
Interest on funded debt	$10,036,802.89	$11,037,901.57	$12,945,491.36	$13,751,153.49	$10,007,[illegible]
Increase		$1,001,098.68	$1,907,589.70	$805,662.13	$5,256,[illegible]
Per cent of increase		9.97	17.28	6.22	38.23
Decrease	$944,618.24				
Per cent of decrease	8.60				
Rentals	$4,254,109.83	$4,287,662.39	$4,163,256.31	$4,366,961.11	$4,857,[illegible]
Increase	$59,857.34	$33,552.56		$203,704.80	$490,[illegible]
Per cent of increase	1.43	0.79		4.89	11.22
Decrease			$124,406.08		
Per cent of decrease			2.90		
Taxes	$1,424,970.04	$1,477,522.64	$1,649,718.51	$1,802,385.23	$2,087,[illegible]
Increase	$70,330.89	$52,552.60	$172,195.87	$152,666.72	$285,[illegible]
Per cent of increase	5.19	3.69	11.65	9.25	15.84
Miscellaneous	$508,960.68	$451,015.32	$575,241.11	$1,627,092.69	$2,005,[illegible]
Total expenditures	$50,892,360.81	$55,884,247.09	$63,815,661.06	$69,065,802.09	$80,317,[illegible]
Increase		$4,991,886.28	$7,931,413.97	$5,250,141.03	$11,251,[illegible]
Per cent of increase		9.81	14.19	8.23	16.33
Decrease	$151,372.16				
Per cent of decrease	0.30				
Dividends	$1,476,020.74	$2,248,765.72	$2,637,625.85	$2,983,238.05	$6,660,[illegible]
Increase		$772,744.98	$388,860.13	$345,612.20	$3,089,[illegible]
Per cent of increase		52.35	17.29	13.10	124.46
Decrease	$53,903.20				
Per cent of decrease	3.52				
Mileage of operated line for which no report of expenditures was obtainable.	837.88	677.35	994.00	1,141.86	1,798.15

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VI.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$77,390,550.03	$85,888,417.50	$95,181,899.95	$94,813,403.97	$92,438,697.74
Increase		$8,497,858.47	$9,293,392.45		
Per cent of increase		10.98	10.82		
Decrease				$368,495.98	$2,374,706.23
Per cent of decrease				0.39	2.50
Interest on funded debt	$22,029,733.37	$26,430,800.17	$28,108,672.30	$30,070,394.80	$30,926,841.18
Increase		$3,501,066.80	$1,677,872.13	$1,961,722.50	$856,446.38
Per cent of increase		15.27	6.35	6.98	2.85
Rentals	$5,948,171.58	$6,173,398.58	$6,535,036.67	$4,846,496.26	$3,992,026.53
Increase		$225,227.00	$361,638.09		
Per cent of increase		3.79	5.86		
Decrease				$1,688,540.41	$854,469.73
Per cent of decrease				25.84	17.63
Taxes	$3,410,441.87	$4,013,382.89	$4,179,729.42	$4,615,151.33	$4,674,926.48
Increase		$602,941.02	$166,346.53	$435,421.91	$59,775.15
Per cent of increase		17.68	4.14	10.42	1.30
Miscellaneous	$3,657,996.89	$4,025,843.18	$3,476,831.21	$3,559,862.56	$3,061,874.33
Total expenditures	$113,336,902.74	$126,531,842.32	$137,482,079.55	$137,905,308.92	$135,094,366.26
Increase		$13,194,939.58	$10,950,237.23	$423,229.37	
Per cent of increase		11.64	8.65	0.31	
Decrease					$2,810,942.66
Per cent of decrease					2.04
Dividends	$16,986,448.73	$22,587,939.72	$21,032,975.45	$22,046,773.16	$20,783,577.22
Increase		$5,601,490.99		$1,013,797.71	
Per cent of increase		32.97		4.82	
Decrease			$1,554,964.27		$1,263,195.94
Per cent of decrease			6.88		5.73
Mileage of operated line for which no report of expenditures was obtainable.	379.77	349.18	369.06	507.56	621.22

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$94,373,535.13	$105,491,495.64	$114,273,821.54	$115,818,805.23	$127,502,058.77
Increase	$1,934,837.39	$11,117,960.51	$8,782,325.90	$1,544,983.69	$11,683,253.54
Per cent of increase	2.09	11.78	8.33	1.35	10.09
Interest on funded debt	$31,754,721.93	$37,585,256.54	$38,818,286.75	$43,838,117.16	$46,490,357.07
Increase	$827,880.75	$5,830,534.61	$1,233,030.21	$5,019,830.41	$2,652,239.91
Per cent of increase	2.68	18.36	3.28	12.93	6.05
Rentals	$4,280,613.34	$4,807,470.56	$5,211,576.71	$6,226,095.92	$8,184,602.31
Increase	$288,586.81	$526,857.22	$404,106.15	$1,014,519.21	$1,958,506.39
Per cent of increase	7.23	12.31	8.41	19.47	31.46
Taxes	$4,098,045.44	$5,253,922.62	$5,701,874.94	$6,088,320.13	$6,405,767.79
Increase	$323,118.96	$255,877.18	$447,952.32	$386,445.19	$317,447.66
Per cent of increase	6.91	5.12	8.53	6.78	5.21
Miscellaneous	$2,481,540.95	$4,186,556.73	$3,227,700.21	$3,508,136.10	$3,833,427.66
Total expenditures	$137,888,456.79	$157,324,702.09	$167,233,320.15	$175,470,474.54	$192,416,213.60
Increase	$2,794,090.53	$19,436,245.30	$9,908,618.06	$8,246,154.39	$16,936,739.06
Per cent of increase	2.07	14.10	6.30	4.93	9.65
Dividends	$20,904,181.12	$24,100,566.17	$18,159,835.25	$15,475,227.67	$17,451,105.02
Increase	$120,603.90	$3,196,385.05			$1,975,877.35
Per cent of increase	0.58	15.29			12.77
Decrease			$5,940,730.92	$2,684,607.58	
Per cent of decrease			24.65	14.78	
Mileage of operated line for which no report of expenditures was obtainable.	404.82	327.82	911.20	805.00	722.64

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VII.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$10,947,422.98	$11,154,055.47	$12,791,868.66	$13,437,144.50	$13,617,952.38
Increase		$206,632.49	$1,637,813.19	$645,275.84	$180,807.88
Per cent of increase		1.89	14.68	5.04	1.35
Interest on funded debt	$4,728,023.50	$5,158,285.82	$5,288,814.48	$5,939,507.37	$6,363,154.68
Increase		$430,262.32	$130,528.66	$650,692.89	$423,647.31
Per cent of increase		9.10	2.53	12.30	7.13
Rentals	$8,489.49	$40,768.45	$90,147.63	$148,703.47	$293,785.47
Increase		$32,278.96	$49,379.18	$58,555.84	$145,082.00
Per cent of increase		380.22	121.12	64.96	97.56
Taxes	$465,465.95	$646,103.10	$787,176.24	$1,393,418.33	$664,139.41
Increase		$180,637.15	$141,073.14	$606,242.09	
Per cent of increase		38.81	21.83	77.01	
Decrease					$729,278.92
Per cent of decrease					52.34
Miscellaneous	$1,896,143.09	$2,504,788.78	$2,331,339.34	$2,010,240.70	$1,846,800.87
Total expenditures	$18,045,545.01	$19,504,001.62	$21,289,346.35	$22,935,014.37	$22,785,832.81
Increase		$1,458,456.61	$1,785,344.73	$1,645,668.02	
Per cent of increase		8.08	9.15	7.73	
Decrease					$149,181.56
Per cent of decrease					0.65
Dividends	$2,440,560.48	$2,580,275.77	$2,583,993.13	$743,609.23	$114,819.36
Increase		$139,709.29	$3,717.36		
Per cent of increase		5.72	0.14		
Decrease				$1,840,383.90	$628,789.87
Per cent of decrease				71.22	84.56
Mileage of operated line for which no report of expenditures was obtainable.					

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$15,490,324.70	$18,431,492.40	$22,441,538.67	$22,042,350.91	$26,482,512.34
Increase	$1,872,372.32	$2,941,167.70	$4,010,046.27		$4,440,161.43
Per cent of increase	13.75	18.99	21.76		20.14
Decrease				$399,187.76	
Per cent of decrease				1.78	
Interest on funded debt	$7,206,696.70	$7,524,972.81	$7,813,108.01	$8,205,156.58	$11,515,929.15
Increase	$843,542.02	$318,276.11	$288,135.20	$392,048.57	$3,310,772.57
Per cent of increase	13.26	4.42	3.83	5.02	40.35
Rentals	$434,564.68	$476,987.09	$560,056.85	$659,055.71	$890,795.48
Increase	$140,779.21	$42,422.41	$83,069.76	$99,598.86	$231,139.77
Per cent of increase	47.92	9.76	17.42	17.78	35.04
Taxes	$1,084,499.89	$1,214,256.49	$1,557,268.92	$1,537,454.09	$1,664,194.94
Increase	$420,360.48	$129,756.60	$343,012.43		$126,740.85
Per cent of increase	63.29	11.96	28.25		8.24
Decrease				$19,814.83	
Per cent of decrease				1.27	
Miscellaneous	$830,292.05	$2,255,209.04	$2,019,993.75	$2,402,449.89	$3,261,830.26
Total expenditures	$25,076,378.02	$29,902,917.83	$34,391,966.20	$34,847,067.18	$43,815,262.17
Increase	$2,290,545.21	$4,826,539.81	$4,489,048.37	$455,100.98	$8,968,194.99
Per cent of increase	10.05	19.25	15.01	1.32	25.74
Dividends	$121,573.44	$450,819.36	$328,545.24	$292,546.24	$2,703,398.33
Increase	$6,754.08	$329,245.92			$2,410,852.09
Per cent of increase	5.88	270.82			824.09
Decrease			$122,273.12	$36,000.00	
Per cent of decrease			27.12	10.96	
Mileage of operated line for which no report of expenditures was obtainable.				3.33	36.57

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VIII.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$32,443,011.99	$33,207,614.59	$36,207,552.77	$37,586,517.93	$36,183,209.60
Increase		$764,602.60	$2,999,938.18	$1,378,965.16	
Per cent of increase		2.36	9.03	3.81	
Decrease					$1,403,308.33
Per cent of decrease					3.73
Interest on funded debt	$11,160,201.48	$13,461,958.84	$14,169,449.56	$13,986,239.56	$13,929,325.82
Increase		$2,301,757.36	$707,490.72		
Per cent of increase		20.62	5.26		
Decrease				$183,210.00	$56,907.74
Per cent of decrease				1.29	0.41
Rentals	$1,293,222.34	$2,129,390.37	$2,538,158.06	$2,536,439.39	$2,369,442.67
Increase		$836,168.03	$408,767.69		
Per cent of increase		64.66	19.20		
Decrease				$1,718.67	$166,996.72
Per cent of decrease				0.07	6.58
Taxes	$1,181,984.57	$1,533,335.36	$1,827,542.15	$1,954,243.61	$1,984,894.52
Increase		$351,350.79	$294,206.79	$126,701.46	$30,650.91
Per cent of increase		29.73	19.19	6.93	1.57
Miscellaneous	$1,350,224.72	$1,237,174.53	$3,459,010.12	$2,660,700.48	$2,372,874.02
Total expenditures	$47,428,645.10	$51,569,473.69	$58,201,712.66	$58,724,134.97	$56,839,747.53
Increase		$4,140,828.59	$6,632,238.97	$522,422.31	
Per cent of increase		8.73	12.86	0.90	
Decrease					$1,884,387.44
Per cent of decrease					3.21
Dividends	$7,278,783.33	$8,157,381.64	$7,357,655.76	$7,192,020.23	$6,532,765.54
Increase		$878,598.31			
Per cent of increase		12.07			
Decrease			$799,725.88	$165,635.53	$659,254.69
Per cent of decrease			9.80	2.25	9.17
Mileage of operated line for which no report of expenditures was obtainable.	175.20	562.60	261.29	233.15	273.89

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$38,308,650.49	$48,150,297.01	$55,030,779.22	$56,824,389.30	$58,187,743.77
Increase	$2,125,440.89	$9,847,646.52	$6,874,482.21	$1,793,610.08	$1,363,354.47
Per cent of increase	5.87	25.71	14.27	3.26	2.40
Interest on funded debt	$15,253,323.08	$17,929,488.52	$19,475,472.63	$19,015,555.26	$23,176,320.20
Increase	$1,323,997.26	$2,676,165.44	$1,545,984.11		$4,160,764.94
Per cent of increase	9.51	17.54	8.62		21.88
Decrease				$459,917.37	
Per cent of decrease				2.36	
Rentals	$2,365,467.93	$2,619,243.57	$3,890,432.10	$3,871,942.43	$3,622,905.80
Increase		$253,775.64	$1,271,188.53		
Per cent of increase		10.73	48.53		
Decrease	$3,974.74			$18,489.67	$249,036.63
Per cent of decrease	0.17			0.48	6.43
Taxes	$2,213,441.49	$2,529,912.76	$3,447,313.09	$3,641,398.48	$3,536,025.03
Increase	$228,549.97	$316,468.27	$917,400.33	$194,085.39	
Per cent of increase	11.51	14.30	36.26	5.63	
Decrease					$105,373.45
Per cent of decrease					2.89
Miscellaneous	$3,395,862.73	$3,123,845.07	$3,392,297.83	$2,986,572.27	$3,970,424.58
Total expenditures	$61,536,748.72	$74,358,786.93	$85,236,294.87	$86,339,857.74	$92,493,419.38
Increase	$4,697,001.19	$12,822,038.21	$10,877,507.94	$1,103,562.87	$6,153,561.64
Per cent of increase	8.26	20.84	14.63	1.29	7.13
Dividends	$7,389,118.66	$11,143,926.32	$6,006,151.24	$4,043,160.65	$4,727,223.76
Increase	$856,353.12	$3,754,807.66			$684,063.11
Per cent of increase	13.11	50.82			16.92
Decrease			$5,137,775.08	$1,962,990.59	
Per cent of decrease			46.10	32.68	
Mileage of operated line for which no report of expenditures was obtainable.	374.89	579.30	343.94	277.07	402.07

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP IX.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$11,471,972.29	$15,657,115.52	$18,707,863.46	$18,753,817.05	$16,625,578.24
Increase		$4,185,143.23	$3,050,747.94	$45,953.59	
Per cent of increase		36.48	19.48	0.25	
Decrease					$2,128,238.81
Per cent of decrease					11.35
Interest on funded debt	$4,144,568.17	$5,720,662.24	$7,430,542.47	$7,703,609.76	$8,204,137.26
Increase		$1,576,094.07	$1,709,880.23	$273,067.29	$500,527.50
Per cent of increase		38.03	29.89	3.67	6.50
Rentals	$24,837.85	$126,917.30	$113,184.00	$228,255.95	$315,275.95
Increase		$102,079.45		$115,071.95	$87,020.00
Per cent of increase		410.98		101.67	38.12
Decrease			$13,733.30		
Per cent of decrease			10.82		
Taxes	$122,830.85	$228,208.40	$412,423.55	$415,599.51	$307,699.44
Increase		$105,467.55	$184,125.15	$3,175.96	
Per cent of increase		85.86	80.65	0.77	
Decrease					$107,900.07
Per cent of decrease					25.90
Miscellaneous	$899,800.83	$162,442.80	$464,711.98	$608,826.33	$610,973.98
Total expenditures	$16,664,009.99	$21,895,436.26	$27,128,725.46	$27,770,108.60	$26,063,061.87
Increase		$5,231,426.27	$5,233,289.20	$641,383.14	
Per cent of increase		31.39	23.90	2.36	
Decrease					$1,706,443.73
Per cent of decrease					6.14
Dividends	$516,000.00	(a)	(a)	$364,800.00	(a)
Mileage of operated line for which no report of expenditures was obtainable.	350.55	909.05	753.75	782.75	403.50

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$20,828,140.21	$24,188,070.34	$25,962,693.86	$27,817,936.00	$30,150,892.63
Increase	$1,202,570.07	$3,359,921.13	$1,774,623.52	$1,855,242.14	$2,332,950.63
Per cent of increase	25.28	16.13	7.34	7.15	8.39
Interest on funded debt	$7,741,283.02	$8,389,436.82	$9,911,113.28	$8,164,220.31	$5,960,863.16
Increase		$648,153.80	$1,521,676.46		
Per cent of increase		8.37	18.14		
Decrease	$462,854.24			$1,746,892.97	$2,203,357.15
Per cent of decrease	5.64			17.63	20.99
Rentals	$375,572.77	$403,015.26	$380,141.87	$394,238.60	$3,056,878.07
Increase	$60,296.82	$27,442.49		$14,096.73	$2,662,639.47
Per cent of increase	19.13	7.31		3.71	675.39
Decrease			$22,873.39		
Per cent of decrease			5.68		
Taxes	$722,262.45	$777,666.06	$728,055.07	$861,047.08	$983,431.53
Increase	$414,563.01	$55,403.61		$132,992.01	$122,384.45
Per cent of increase	134.73	7.67		18.27	14.21
Decrease			$49,610.99		
Per cent of decrease			6.38		
Miscellaneous	$496,815.57	$932,251.86	$843,094.47	$582,705.76	$2,012,888.44
Total expenditures	$30,164,083.02	$34,690,440.34	$37,825,098.55	$37,820,147.75	$42,164,953.82
Increase	$4,100,418.15	$4,526,357.32	$3,134,658.21		$4,344,806.07
Per cent of increase	15.73	15.01	9.04		11.49
Decrease				$4,950.80	
Per cent of decrease				0.01	
Dividends	(a)	$2,101.37	$1,450.00	$1,885.00	b$5,635.00
Increase				$435.00	$3,750.00
Per cent of increase				30.00	198.94
Decrease			$651.37		
Per cent of decrease			31.00		
Mileage of operated line for which no report of expenditures was obtainable.	373.00	132.10	142.20	342.90	329.05

a No data.

b From other funds than net income during census year.

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID AS TRANSPORTATION AND OTHER EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP X.

ANALYSIS OF EXPENDITURES.	1881	1882	1883	1884	1885
Operating expenses	$15,054,697.34	$19,141,731.81	$20,287,535.10	$22,640,906.54	$22,179,252.04
Increase		$4,087,034.47	$1,145,803.29	$2,353,371.44	
Per cent of increase		27.15	5.99	11.60	
Decrease					$461,654.50
Per cent of decrease					2.04
Interest on funded debt	$6,312,510.70	$7,280,801.24	$8,415,117.89	$9,871,314.70	$13,265,450.77
Increase		$968,290.54	$1,134,316.65	$1,456,196.81	$3,394,145.07
Per cent of increase		15.34	15.58	17.30	34.38
Rentals	$3,976,681.94	$4,689,264.85	$4,680,858.09	$4,809,819.13	$4,557,695.95
Increase		$712,582.91		$128,961.04	
Per cent of increase		17.92		2.76	
Decrease			$8,406.76		$252,123.18
Per cent of decrease			0.18		5.24
Taxes	$701,384.84	$1,069,564.60	$1,080,614.38	$1,478,733.46	$1,525,018.72
Increase		$368,179.76	$11,049.78	$398,119.08	$46,285.26
Per cent of increase		52.49	1.03	36.84	3.13
Miscellaneous	$4,040,979.48	$4,683,500.99	$4,143,377.11	$4,821,991.20	$5,155,552.84
Total expenditures	$30,086,254.30	$36,804,863.49	$38,607,502.57	$43,622,765.63	$46,682,979.32
Increase		$6,778,609.19	$1,742,639.08	$5,015,262.46	$3,060,214.20
Per cent of increase		22.53	4.73	12.99	7.02
Dividends	$6,415,546.00	$6,087,142.00	$6,565,110.00	$3,965,345.00	$1,840,000.00
Increase			$477,968.00		
Per cent of increase			7.85		
Decrease		$328,404.00		$2,599,765.00	$2,125,345.00
Per cent of decrease		5.12		39.60	53.60
Mileage of operated line for which no report of expenditures was obtainable.	197.63	240.23	247.54	314.07	341.74

ANALYSIS OF EXPENDITURES.	1886	1887	1888	1889	1890
Operating expenses	$25,307,763.14	$30,284,476.87	$40,203,584.63	$39,553,585.45	$40,126,620.93
Increase	$3,128,511.10	$4,976,713.73	$9,919,107.76		$573,035.48
Per cent of increase	14.10	19.66	32.75		1.45
Decrease				$649,999.18	
Per cent of decrease				1.62	
Interest on funded debt	$11,908,023.02	$12,335,404.29	$13,169,228.64	$14,726,056.40	$14,716,796.27
Increase		$426,481.27	$833,824.35	$1,556,827.76	
Per cent of increase		3.58	6.76	11.82	
Decrease	$1,356,536.75				$9,260.13
Per cent of decrease	10.23				0.06
Rentals	$4,203,918.56	$6,270,085.69	$6,085,748.09	$5,712,553.27	$14,379,419.17
Increase		$2,066,167.13			$8,666,865.90
Per cent of increase		49.15			151.72
Decrease	$353,777.39		$184,337.60	$373,194.82	
Per cent of decrease	7.76		2.94	6.13	
Taxes	$1,288,737.97	$1,397,418.03	$1,268,430.24	$1,807,724.33	$1,725,473.50
Increase		$108,680.06		$539,294.09	
Per cent of increase		8.43		42.52	
Decrease	$236,289.75		$128,987.79		$82,250.83
Per cent of decrease	15.49		9.23		4.55
Miscellaneous	$2,265,197.79	$1,714,700.20	$2,405,746.90	$2,966,348.16	$8,269,706.51
Total expenditures	$44,974,540.48	$52,002,085.08	$63,132,738.50	$64,766,267.61	$79,218,016.38
Increase		$7,027,544.60	$11,130,653.42	$1,633,529.11	$14,451,748.77
Per cent of increase		15.63	21.40	2.59	22.31
Decrease	$1,708,438.84				
Per cent of decrease	3.66				
Dividends	$1,553,250.00	$273,750.00	$265,000.00	$770,000.00	$1,969,082.91
Increase				$505,000.00	$1,199,082.91
Per cent of increase				190.57	155.73
Decrease	$286,750.00	$1,279,500.00	$8,750.00		
Per cent of decrease	15.58	82.38	3.20		
Mileage of operated line for which no report of expenditures was obtainable.	359.07	385.74	500.03	889.16	833.06

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS.

THE UNITED STATES.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$110,483,225.87	$116,295,373.58	$119,966,837.42	$117,221,614.52	$107,070,138.51
Increase		$5,812,147.71	$3,671,463.84		
Per cent of increase		5.26	3.16		
Decrease				$2,745,222.90	$10,151,476.01
Per cent of decrease				2.29	8.66
Maintenance of equipment	$86,981,833.83	$98,382,031.16	$105,328,963.76	$101,221,012.96	$97,486,672.98
Increase		$11,400,197.33	$6,946,932.60		
Per cent of increase		13.11	7.06		
Decrease				$4,107,950.80	$3,734,339.98
Per cent of decrease				3.90	3.69
Conducting transportation	$193,789,541.87	$212,046,098.30	$232,423,357.35	$243,159,662.70	$237,597,058.01
Increase		$18,256,556.43	$20,377,259.05	$10,736,305.35	
Per cent of increase		9.42	9.61	4.62	
Decrease					$5,562,604.69
Per cent of decrease					2.29
General expenses of operation	$27,109,375.18	$30,331,247.25	$33,149,750.32	$35,437,286.32	$36,266,447.54
Increase		$3,221,872.07	$2,818,503.07	$2,287,536.00	$829,161.22
Per cent of increase		11.88	9.29	6.90	2.34
Total operating expenses	$418,363,976.75	$457,054,750.29	$490,868,908.85	$497,039,576.50	$478,420,317.04
Increase		$38,690,773.54	$33,814,158.56	$6,170,667.65	
Per cent of increase		9.25	7.40	1.26	
Decrease					$18,619,259.46
Per cent of decrease					3.75
Mileage of operated line for which no report of operating expenses was obtainable.	4,158.77	3,879.54	3,944.46	4,105.57	3,471.14

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$119,010,665.69	$134,369,821.65	$143,264,461.27	$145,493,899.70	$156,101,949.62
Increase	$11,940,527.18	$15,359,155.96	$8,894,639.62	$2,229,438.43	$10,608,049.92
Per cent of increase	11.15	12.91	6.62	1.56	7.29
Maintenance of equipment	$102,294,438.19	$118,278,589.64	$129,908,015.93	$129,137,356.90	$115,989,501.24
Increase	$4,807,765.21	$15,984,151.45	$11,629,426.29		
Per cent of increase	4.93	15.63	9.83		
Decrease				$770,659.03	$13,147,855.66
Per cent of decrease				0.59	10.18
Conducting transportation	$249,283,054.10	$285,890,086.69	$318,691,756.96	$329,215,093.68	$360,923,781.86
Increase	$11,685,996.09	$36,607,032.59	$32,801,670.27	$10,523,336.72	$31,708,688.18
Per cent of increase	4.92	14.68	11.47	3.30	9.63
General expenses of operation	$38,119,152.84	$42,059,817.26	$46,711,830.26	$52,367,401.61	$72,899,722.15
Increase	$1,852,705.30	$3,940,664.42	$4,652,013.00	$5,655,571.35	$20,532,320.54
Per cent of increase	5.11	10.34	11.06	12.11	39.21
Total operating expenses	$508,707,310.82	$580,598,315.24	$638,576,064.42	$656,213,751.89	$705,914,954.87
Increase	$30,286,993.78	$71,891,004.42	$57,977,749.18	$17,637,687.47	$49,701,202.98
Per cent of increase	6.33	14.13	9.99	2.76	7.57
Mileage of operated line for which no report of operating expenses was obtainable.	3,525.37	3,253.73	4,059.91	5,607.63	6,124.31

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP I.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$9,065,096.84	$9,706,779.77	$10,382,555.68	$9,659,475.71	$8,958,162.85
Increase		$641,682.93	$675,775.91		
Per cent of increase		7.08	6.96		
Decrease				$723,079.97	$701,312.86
Per cent of decrease				6.96	7.26
Maintenance of equipment	$6,113,830.60	$7,014,499.89	$7,475,972.25	$6,919,754.79	$6,301,527.16
Increase		$900,669.29	$461,472.36		
Per cent of increase		14.73	6.58		
Decrease				$556,217.46	$618,227.63
Per cent of decrease				7.44	8.93
Conducting transportation	$16,448,467.97	$18,339,555.57	$19,648,270.90	$19,291,999.08	$18,300,740.34
Increase		$1,891,087.60	$1,308,715.33		
Per cent of increase		11.50	7.14		
Decrease				$356,271.82	$991,258.74
Per cent of decrease				1.81	5.14
General expenses of operation	$2,806,017.74	$3,151,547.10	$3,422,758.27	$3,400,728.58	$3,134,579.93
Increase		$344,629.36	$271,211.17		
Per cent of increase		12.28	8.61		
Decrease				$22,029.69	$266,148.65
Per cent of decrease				0.64	7.83
Total operating expenses	$34,434,313.15	$38,212,382.33	$40,929,557.10	$39,271,958.16	$36,695,010.28
Increase		$3,778,069.18	$2,717,174.77		
Per cent of increase		10.97	7.11		
Decrease				$1,657,598.94	$2,576,947.88
Per cent of decrease				4.05	6.56
Mileage of operated line for which no report of operating expenses was obtainable.	432.55	391.24	319.37	319.37	308.53

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$9,940,294.83	$10,712,968.68	$11,812,381.57	$10,714,571.74	$11,799,594.55
Increase	$991,131.98	$763,673.85	$1,099,412.89		$1,085,022.81
Per cent of increase	11.06	7.68	10.26		10.13
Decrease				$1,097,809.83	
Per cent of decrease				9.29	
Maintenance of equipment	$7,122,197.38	$7,676,121.74	$8,531,373.13	$7,667,424.85	$8,309,133.45
Increase	$820,670.22	$553,924.36	$855,251.39		$641,708.60
Per cent of increase	13.02	7.78	11.14		8.37
Decrease				$863,948.28	
Per cent of decrease				10.13	
Conducting transportation	$19,311,967.36	$22,259,326.00	$24,143,235.74	$24,368,150.82	$27,943,139.66
Increase	$1,011,227.02	$2,947,358.64	$1,883,909.74	$224,915.08	$3,574,988.84
Per cent of increase	5.53	15.26	8.46	0.93	14.67
General expenses of operation	$3,420,881.93	$3,450,984.50	$3,465,643.79	$3,566,720.33	$4,150,354.32
Increase	$286,302.00	$30,102.57	$14,659.29	$101,076.54	$583,633.99
Per cent of increase	9.13	0.88	0.42	2.92	16.36
Total operating expenses	$39,804,341.50	$44,099,400.92	$47,952,634.23	$46,316,867.74	$52,202,221.98
Increase	$3,109,331.22	$4,295,059.42	$3,853,233.31		$5,885,354.24
Per cent of increase	8.47	10.79	8.74		12.71
Decrease				$1,635,766.49	
Per cent of decrease				3.41	
Mileage of operated line for which no report of operating expenses was obtainable.	306.03	259.87	264.87	753.42	272.97

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP II.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$25,705,257.42	$28,790,514.59	$29,040,199.77	$28,390,339.60	$23,885,438.16
Increase		$3,085,257.17	$249,685.18		
Per cent of increase		12.00	0.87		
Decrease				$649,860.17	$4,504,901.44
Per cent of decrease				2.24	15.87
Maintenance of equipment	$33,278,352.50	$34,721,146.11	$34,969,310.70	$32,506,769.86	$31,455,489.76
Increase		$1,442,793.61	$248,164.59		
Per cent of increase		4.34	0.71		
Decrease				$2,462,540.84	$1,051,280.10
Per cent of decrease				7.04	3.23
Conducting transportation	$59,710,036.30	$63,818,268.62	$67,349,400.99	$70,685,211.41	$67,676,168.52
Increase		$4,108,232.32	$3,531,132.37	$3,335,810.42	
Per cent of increase		6.88	5.53	4.95	
Decrease					$3,009,042.89
Per cent of decrease					4.26
General expenses of operation	$5,716,477.60	$6,141,258.57	$6,166,579.49	$7,149,525.03	$7,712,333.57
Increase		$424,780.97	$25,320.92	$982,945.54	$562,808.54
Per cent of increase		7.43	0.41	15.94	7.87
Total operating expenses	$124,410,123.82	$133,471,187.89	$137,525,490.95	$138,731,845.90	$130,729,430.01
Increase		$9,061,064.07	$4,054,303.06	$1,206,354.95	
Per cent of increase		7.28	3.04	0.88	
Decrease					$8,002,415.89
Per cent of decrease					5.77
Mileage of operated line for which no report of operating expenses was obtainable.	400.72	404.17	438.66	413.81	268.56

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$27,357,222.68	$30,615,303.73	$32,874,862.46	$34,424,989.84	$37,829,311.99
Increase	$3,471,784.52	$3,258,081.05	$2,259,558.73	$1,550,127.38	$3,404,322.15
Per cent of increase	14.54	11.91	7.38	4.72	9.89
Maintenance of equipment	$32,166,391.07	$38,113,771.76	$42,258,447.88	$40,032,460.80	$32,074,792.91
Increase	$710,901.31	$5,947,380.69	$4,144,676.12		
Per cent of increase	2.26	18.49	10.87		
Decrease				$2,225,987.08	$7,957,667.89
Per cent of decrease				5.27	19.88
Conducting transportation	$71,235,704.41	$78,487,582.00	$81,861,206.40	$85,450,279.85	$93,820,101.96
Increase	$3,559,535.89	$7,251,877.59	$3,373,624.40	$3,589,073.45	$8,369,822.11
Per cent of increase	5.26	10.18	4.30	4.38	9.79
General expenses of operation	$7,873,342.81	$8,104,680.37	$8,566,356.45	$11,514,617.06	$16,811,322.77
Increase	$161,009.24	$231,337.56	$461,676.08	$2,948,260.61	$5,296,705.71
Per cent of increase	2.09	2.94	5.70	34.42	46.00
Total operating expenses	$138,632,660.97	$155,321,337.86	$165,560,873.19	$171,422,347.55	$180,535,529.63
Increase	$7,903,230.96	$16,688,676.89	$10,239,535.33	$5,861,474.36	$9,113,182.08
Per cent of increase	6.05	12.04	6.59	3.54	5.32
Mileage of operated line for which no report of operating expenses was obtainable.	347.26	420.39	444.74	684.30	384.66

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP III.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$19,749,634.52	$19,733,052.46	$20,842,849.23	$19,164,548.02	$17,182,028.42
Increase			$1,109,796.77		
Per cent of increase			5.62		
Decrease		$16,582.06		$1,678,301.21	$1,982,519.60
Per cent of decrease		0.08		8.05	10.34
Maintenance of equipment	$14,470,745.84	$16,029,784.52	$17,842,490.74	$16,633,119.38	$16,012,438.48
Increase		$1,559,038.68	$1,812,706.22		
Per cent of increase		10.77	11.31		
Decrease				$1,209,371.36	$920,680.90
Per cent of decrease				6.78	3.73
Conducting transportation	$36,720,195.75	$38,058,312.13	$41,145,556.95	$43,812,745.81	$41,967,490.73
Increase		$1,338,116.38	$3,087,244.82	$2,667,188.86	
Per cent of increase		3.64	8.11	6.48	
Decrease					$1,845,255.08
Per cent of decrease					4.21
General expenses of operation	$4,850,483.42	$5,097,967.58	$5,943,343.62	$6,276,969.94	$6,194,046.56
Increase		$247,484.16	$845,376.04	$333,626.32	
Per cent of increase		5.10	16.58	5.61	
Decrease					$82,923.38
Per cent of decrease					1.32
Total operating expenses	$75,791,059.53	$78,919,116.69	$85,774,240.54	$85,887,383.15	$81,356,004.19
Increase		$3,128,057.16	$6,855,123.85	$113,142.61	
Per cent of increase		4.13	8.69	0.13	
Decrease					$4,531,378.96
Per cent of decrease					5.28
Mileage of operated line for which no report of operating expenses was obtainable.	627.53	153.47	238.59	251.44	318.02

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$18,730,243.26	$22,140,918.89	$22,233,516.02	$22,038,822.98	$23,177,910.65
Increase	$1,548,214.84	$3,410,675.63	$92,597.13		$1,139,087.67
Per cent of increase	9.01	18.21	0.42		5.17
Decrease				$194,693.04	
Per cent of decrease				8.76	
Maintenance of equipment	$17,450,755.22	$20,540,045.92	$20,603,920.82	$21,523,089.36	$20,638,370.91
Increase	$1,438,316.74	$3,089,290.70	$63,874.90	$919,168.54	
Per cent of increase	8.98	17.70	0.31	4.46	
Decrease					$885,318.45
Per cent of decrease					4.11
Conducting transportation	$42,702,070.37	$48,333,170.06	$52,066,572.51	$54,236,402.65	$57,557,129.66
Increase	$734,579.64	$5,631,099.69	$3,733,402.45	$2,169,830.14	$3,320,727.01
Per cent of increase	1.75	13.19	7.72	4.17	6.12
General expenses of operation	$6,392,203.64	$7,168,842.88	$7,752,398.27	$8,318,311.09	$11,162,797.93
Increase	$198,157.08	$776,639.24	$583,555.39	$565,912.82	$2,844,486.84
Per cent of increase	3.20	12.15	8.14	7.30	34.20
Total operating expenses	$85,275,272.49	$98,182,977.75	$102,656,407.62	$106,117,226.08	$112,536,209.15
Increase	$3,919,268.30	$12,907,705.26	$4,473,429.87	$3,460,818.46	$6,418,983.07
Per cent of increase	4.82	15.14	4.56	3.37	6.05
Mileage of operated line for which no report of operating expenses was obtainable.	360.42	258.11	274.23	336.51	650.29

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP IV.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$3,523,534.23	$4,164,928.28	$4,010,523.98	$4,188,515.32	$3,814,439.78
Increase		$641,394.05		$177,991.34	
Per cent of increase		18.20		4.44	
Decrease			$154,404.30		$374,075.54
Per cent of decrease			3.71		8.93
Maintenance of equipment	$2,855,909.72	$3,629,057.41	$4,402,041.52	$4,323,446.42	$4,399,661.73
Increase		$773,147.69	$772,984.11		$76,218.31
Per cent of increase		27.07	21.30		1.76
Decrease				$78,595.10	
Per cent of decrease				1.79	
Conducting transportation	$4,454,074.73	$5,081,513.62	$5,213,976.35	$5,365,438.05	$5,510,636.30
Increase		$627,438.89	$132,462.73	$151,461.70	$145,198.25
Per cent of increase		14.09	2.61	2.90	2.71
General expenses of operation	$904,291.75	$1,298,053.54	$1,154,352.58	$1,120,864.13	$1,174,840.27
Increase		$393,761.79			$53,976.14
Per cent of increase		43.54			4.82
Decrease			$143,700.96	$33,488.45	
Per cent of decrease			11.07	2.90	
Total operating expenses	$11,737,810.43	$14,173,552.85	$14,780,894.43	$14,998,263.92	$14,899,581.08
Increase		$2,435,742.42	$607,341.58	$217,369.49	
Per cent of increase		20.75	4.29	1.47	
Decrease					$98,682.84
Per cent of decrease					0.66
Mileage of operated line for which no report of operating expenses was obtainable.	431.50	124.00	183.30	171.00	149.00

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$4,451,302.31	$5,092,428.10	$5,268,746.88	$6,267,481.82	$6,873,584.44
Increase	$636,862.53	$641,125.79	$176,318.78	$998,734.94	$606,102.62
Per cent of increase	16.70	14.40	3.46	18.96	9.67
Maintenance of equipment	$4,715,511.21	$4,785,848.48	$4,842,000.89	$5,527,437.55	$4,084,237.88
Increase	$315,846.48	$70,337.27	$56,152.41	$685,436.66	
Per cent of increase	7.18	1.49	1.17	14.16	
Decrease					$1,443,199.67
Per cent of decrease					26.11
Conducting transportation	$5,711,739.32	$6,761,583.30	$8,389,905.58	$9,217,097.04	$12,103,772.18
Increase	$201,103.02	$1,049,843.98	$1,628,322.28	$827,191.46	$2,886,675.14
Per cent of increase	3.65	18.38	24.08	9.86	31.32
General expenses of operation	$1,140,542.98	$1,172,761.40	$1,511,124.34	$1,770,017.05	$2,740,200.31
Increase		$32,218.42	$338,362.94	$258,892.71	$970,183.26
Per cent of increase		2.82	28.85	17.13	54.81
Decrease	$34,297.29				
Per cent of decrease	2.92				
Total operating expenses	$16,019,095.82	$17,812,621.28	$20,011,777.69	$22,782,033.46	$25,801,794.81
Increase	$1,119,514.74	$1,793,525.46	$2,199,156.41	$2,770,255.77	$3,019,761.35
Per cent of increase	7.51	11.20	12.35	13.84	13.26
Mileage of operated line for which no report of operating expenses was obtainable.	162.00	213.05	184.70	374.08	193.35

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP V.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$7,359,242.23	$7,702,486.84	$7,629,278.70	$7,983,535.40	$8,057,182.23
Increase		$343,244.61		$354,256.70	$73,646.83
Per cent of increase		4.66		4.64	0.92
Decrease			$73,208.14		
Per cent of decrease			0.95		
Maintenance of equipment	$6,089,358.63	$6,122,462.86	$6,743,565.46	$6,953,673.11	$7,747,918.89
Increase		$33,104.23	$626,102.60	$209,507.65	$794,245.78
Per cent of increase		0.54	10.23	3.10	11.94
Conducting transportation	$9,155,974.73	$10,826,284.72	$11,731,465.84	$13,144,109.51	$14,646,981.77
Increase		$1,670,309.99	$905,181.12	$1,412,643.67	$1,502,872.26
Per cent of increase		18.24	8.36	12.04	11.43
General expenses of operation	$2,078,430.60	$2,578,341.22	$2,572,785.89	$2,822,617.36	$3,244,398.59
Increase		$499,910.62		$249,831.47	$411,781.23
Per cent of increase		24.05		10.10	14.54
Decrease			$5,555.33		
Per cent of decrease			0.22		
Total operating expenses	$24,683,006.19	$27,229,575.64	$28,682,095.89	$30,918,935.38	$33,695,681.48
Increase		$2,546,569.45	$1,452,520.25	$2,236,839.49	$2,777,256.10
Per cent of increase		10.32	5.33	7.80	8.98
Mileage of operated line for which no report of operating expenses was obtainable.	1,163.32	745.60	1,132.90	1,112.42	725.68

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$8,336,241.49	$9,229,344.92	$10,166,854.17	$10,767,923.22	$11,574,998.24
Increase	$279,059.26	$893,103.43	$937,509.25	$601,069.05	$807,075.02
Per cent of increase	3.46	10.71	10.16	5.91	7.49
Maintenance of equipment	$7,944,897.36	$9,135,323.22	$10,384,048.26	$10,914,486.18	$8,355,013.32
Increase	$197,858.47	$1,190,425.86	$1,248,725.04	$530,437.92	
Per cent of increase	2.55	14.98	13.67	5.11	
Decrease					$2,559,472.86
Per cent of decrease					23.45
Conducting transportation	$15,077,287.82	$16,756,605.34	$19,537,724.29	$21,079,651.79	$26,192,528.62
Increase	$430,306.05	$1,679,317.52	$2,781,118.95	$1,541,927.50	$5,112,876.83
Per cent of increase	2.94	11.14	16.60	7.89	24.26
General expenses of operation	$3,309,090.70	$3,508,871.69	$4,393,227.05	$4,756,148.08	$6,266,862.69
Increase	$64,692.11	$199,780.99	$884,355.36	$362,921.03	$1,510,714.71
Per cent of increase	1.99	6.04	25.21	8.26	31.76
Total operating expenses	$34,667,517.37	$38,630,145.17	$44,481,953.77	$47,518,210.17	$52,389,970.87
Increase	$971,915.89	$3,962,627.80	$5,851,808.60	$3,036,256.40	$4,871,760.70
Per cent of increase	2.88	11.43	15.15	6.83	10.25
Mileage of operated line for which no report of operating expenses was obtainable.	837.88	677.35	994.00	1,141.86	1,798.15

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VI.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$21,734,259.51	$22,644,774.69	$23,575,157.54	$22,713,111.58	$21,716,251.45
Increase		$910,515.18	$930,382.85		
Per cent of increase		4.19	4.11		
Decrease				$862,045.96	$996,860.13
Per cent of decrease				3.66	4.39
Maintenance of equipment	$12,823,621.06	$15,855,206.72	$17,850,566.23	$17,385,140.30	$16,780,260.16
Increase		$3,031,585.66	$1,995,359.51		
Per cent of increase		23.64	12.58		
Decrease				$465,419.93	$604,880.14
Per cent of decrease				2.61	3.48
Conducting transportation	$36,339,334.51	$40,241,002.58	$45,616,287.81	$46,198,954.13	$45,582,868.15
Increase		$3,901,668.07	$5,375,285.23	$582,666.32	
Per cent of increase		10.74	13.36	1.28	
Decrease					$616,085.98
Per cent of decrease					1.33
General expenses of operation	$6,493,343.95	$7,147,433.51	$8,139,798.37	$8,516,191.96	$8,359,317.98
Increase		$654,089.56	$992,364.86	$376,393.59	
Per cent of increase		10.07	13.88	4.62	
Decrease					$156,873.98
Per cent of decrease					1.84
Total operating expenses	$77,390,559.03	$85,888,417.50	$95,181,809.95	$94,813,403.97	$92,438,697.74
Increase		$8,497,858.47	$9,293,392.45		
Per cent of increase		10.98	10.82		
Decrease				$368,405.98	$2,374,706.23
Per cent of decrease				0.39	2.50
Mileage of operated line for which no report of operating expenses was obtainable.	379.77	349.18	369.06	507.56	621.23

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$23,371,338.96	$25,296,263.56	$25,067,176.75	$25,688,125.32	$26,801,322.80
Increase	$1,655,087.51	$1,924,924.60		$620,948.57	$1,113,197.48
Per cent of increase	7.62	8.24		2.48	4.33
Decrease			$229,086.81		
Per cent of decrease			0.91		
Maintenance of equipment	$16,056,783.14	$18,141,108.02	$19,229,471.24	$19,027,872.82	$19,511,215.45
Increase		$2,084,324.88	$1,088,363.22		$483,342.63
Per cent of increase		12.98	6.00		2.54
Decrease	$723,477.02			$201,598.42	
Per cent of decrease	4.31			1.05	
Conducting transportation	$46,341,961.40	$52,155,447.08	$59,168,944.22	$59,552,468.56	$65,160,775.73
Increase	$759,093.25	$5,813,485.68	$7,013,497.14	$383,524.34	$5,608,307.17
Per cent of increase	1.67	12.54	13.45	0.65	9.42
General expenses of operation	$8,603,451.63	$9,898,676.98	$10,808,229.33	$11,550,388.53	$16,028,744.79
Increase	$244,133.65	$1,295,225.35	$909,552.35	$742,109.20	$4,478,406.26
Per cent of increase	2.92	15.05	9.19	6.87	38.77
Total operating expenses	$94,373,535.13	$105,491,495.04	$114,273,821.54	$115,818,805.23	$127,502,058.77
Increase	$1,934,837.39	$11,117,960.51	$8,782,325.90	$1,544,983.69	$11,683,253.54
Per cent of increase	2.09	11.78	8.33	1.35	10.09
Mileage of operated line for which no report of operating expenses was obtainable.	404.82	327.82	911.20	805.00	722.64

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VII.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$3,434,800.19	$2,677,746.11	$3,133,478.94	$3,085,801.11	$3,031,526.13
Increase			$455,732.83		
Per cent of increase			17.02		
Decrease		$757,054.08		$47,677.83	$54,274.98
Per cent of decrease		22.04		1.52	1.76
Maintenance of equipment	$2,308,655.20	$2,524,130.50	$2,432,677.83	$2,415,731.14	$2,591,153.21
Increase		$215,475.30			$175,422.07
Per cent of increase		9.33			7.26
Decrease			$91,452.67	$16,946.69	
Per cent of decrease			3.62	0.70	
Conducting transportation	$4,632,579.71	$4,896,159.00	$6,109,271.98	$6,674,030.43	$6,678,990.72
Increase		$263,579.29	$1,213,112.98	$564,758.45	$4,960.29
Per cent of increase		5.69	24.78	9.24	0.07
General expenses of operation	$571,387.88	$1,056,019.86	$1,116,499.91	$1,261,581.82	$1,316,282.32
Increase		$484,631.98	$60,420.05	$145,141.91	$54,700.50
Per cent of increase		84.82	5.72	13.00	4.34
Total operating expenses	$10,947,422.98	$11,154,055.47	$12,791,868.66	$13,437,144.50	$13,617,952.33
Increase		$206,632.49	$1,637,813.19	$645,275.84	$180,807.83
Per cent of increase		1.89	14.68	5.04	1.35

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$3,854,593.67	$4,266,035.12	$4,533,877.16	$4,123,657.84	$5,663,613.28
Increase	$823,067.54	$411,441.45	$267,842.04		$1,539,955.44
Per cent of increase	27.15	10.67	6.28		37.01
Decrease				$409,219.32	
Per cent of decrease				8.83	
Maintenance of equipment	$2,861,202.83	$3,214,844.37	$4,185,581.58	$4,139,155.01	$4,520,466.60
Increase	$270,049.67	$353,641.49	$970,737.21		$381,311.59
Per cent of increase	10.42	12.36	30.20		9.21
Decrease				$46,426.57	
Per cent of decrease				1.11	
Conducting transportation	$7,424,317.37	$9,188,932.17	$11,556,852.52	$12,048,471.65	$13,481,444.99
Increase	$745,326.65	$1,764,614.80	$2,367,920.35	$491,619.13	$1,432,973.34
Per cent of increase	11.16	23.77	25.77	4.25	11.89
General expenses of operation	$1,350,210.78	$1,761,680.74	$2,165,227.41	$1,721,066.41	$2,816,987.47
Increase	$33,928.46	$411,469.96	$403,546.67		$1,095,921.06
Per cent of increase	2.58	30.47	22.91		63.68
Decrease				$444,161.00	
Per cent of decrease				20.51	
Total operating expenses	$15,490,324.70	$18,431,492.40	$22,441,538.67	$22,042,350.91	$26,482,512.34
Increase	$1,872,372.32	$2,941,167.70	$4,010,046.27		$4,440,161.43
Per cent of increase	13.75	18.99	21.76		20.14
Decrease				$399,187.76	
Per cent of decrease				1.78	
Mileage of operated line for which no report of operating expenses was obtainable.				3.33	36.57

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VIII.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$11,986,482.52	$11,312,974.75	$10,756,415.42	$11,115,521.50	$10,404,195.61
Increase				$359,106.08	
Per cent of increase				3.34	
Decrease		$673,507.77	$556,559.33		$711,325.89
Per cent of decrease		5.62	4.92		6.40
Maintenance of equipment	$5,154,984.05	$5,727,748.41	$6,425,012.46	$6,422,243.35	$5,890,631.24
Increase		$572,764.36	$697,264.05		
Per cent of increase		11.11	12.17		
Decrease				$2,769.11	$531,699.11
Per cent of decrease				0.04	8.28
Conducting transportation	$13,474,985.56	$14,376,181.49	$16,881,202.37	$18,033,552.73	$17,880,811.81
Increase		$901,195.93	$2,505,020.88	$1,152,350.36	
Per cent of increase		6.69	17.42	6.83	
Decrease					$152,740.89
Per cent of decrease					0.85
General expenses of operation	$1,826,559.86	$1,790,709.94	$2,144,922.52	$2,015,200.35	$2,007,567.91
Increase			$354,212.58		
Per cent of increase			19.78		
Decrease		$35,849.92		$129,722.17	$7,632.44
Per cent of decrease		1.96		6.05	0.38
Total operating expenses	$32,443,011.99	$33,207,614.59	$36,207,552.77	$37,586,517.93	$36,183,209.60
Increase		$764,602.60	$2,999,938.18	$1,378,965.16	
Per cent of increase		2.36	9.03	3.81	
Decrease					$1,403,308.33
Per cent of decrease					3.73
Mileage of operated line for which no report of operating expenses was obtainable.	175.20	562.60	261.29	233.15	273.89

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$10,724,840.61	$12,673,909.00	$13,836,951.71	$13,812,545.91	$14,483,302.65
Increase	$320,645.00	$1,949,068.39	$1,163,042.71		$670,750.74
Per cent of increase	3.08	18.17	9.18		4.89
Decrease				$24,405.80	
Per cent of decrease				0.18	
Maintenance of equipment	$8,066,960.89	$8,231,186.12	$8,695,634.44	$8,878,777.92	$9,242,026.10
Increase	$176,326.65	$2,164,225.23	$1,464,448.32	$183,143.48	
Per cent of increase	2.99	35.67	17.79	1.89	
Decrease					$636,751.83
Per cent of decrease					6.45
Conducting transportation	$19,306,805.82	$24,466,117.10	$28,155,464.42	$20,464,420.77	$28,545,868.79
Increase	$1,425,993.98	$5,159,311.28	$3,689,347.32	$1,308,956.35	
Per cent of increase	7.98	26.72	15.08	4.65	
Decrease					$918,551.98
Per cent of decrease					3.12
General expenses of operation	$2,210,043.17	$2,785,084.79	$3,342,728.65	$3,668,644.70	$5,916,540.23
Increase	$202,475.26	$575,041.62	$557,643.86	$325,916.05	$2,247,901.53
Per cent of increase	10.09	26.02	20.02	9.75	61.27
Total operating expenses	$38,308,650.49	$48,156,297.01	$55,030,779.22	$56,824,389.30	$58,187,743.77
Increase	$2,125,440.89	$9,847,646.52	$6,874,482.21	$1,793,610.08	$1,363,354.47
Per cent of increase	5.87	25.70	14.28	3.26	2.40
Mileage of operated line for which no report of operating expenses was obtainable.	374.89	579.80	343.94	277.07	402.07

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP IX.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$3,857,909.87	$4,603,074.02	$5,413,082.29	$5,240,306.03	$5,127,310.20
Increase		$745,164.15	$810,008.27		
Per cent of increase		19.31	17.60		
Decrease				$172,776.26	$112,995.83
Per cent of decrease				3.19	2.16
Maintenance of equipment	$2,066,330.32	$3,912,673.34	$4,642,033.96	$4,482,593.84	$2,997,279.00
Increase		$1,846,343.02	$729,360.62		
Per cent of increase		89.35	18.64		
Decrease				$159,440.12	$1,485,314.84
Per cent of decrease				3.43	33.14
Conducting transportation	$4,718,050.52	$6,412,021.15	$7,672,872.52	$7,996,244.66	$7,370,809.76
Increase		$1,693,970.63	$1,260,851.37	$323,372.14	
Per cent of increase		35.90	19.66	4.21	
Decrease					$625,434.90
Per cent of decrease					7.82
General expenses of operation	$820,621.58	$720,347.01	$979,874.69	$1,034,672.52	$1,130,179.28
Increase			$259,527.68	$54,797.83	$95,506.76
Per cent of increase			34.35	5.59	9.23
Decrease		$100,274.57			
Per cent of decrease		12.09			
Total operating expenses	$11,471,972.29	$15,057,115.52	$18,707,863.46	$18,753,817.05	$16,625,578.24
Increase		$4,185,143.23	$3,650,747.94	$45,953.59	
Per cent of increase		36.48	19.48	0.25	
Decrease					$2,128,238.81
Per cent of decrease					11.35
Mileage of operated line for which no report of operating expenses was obtainable.	350.55	909.05	753.75	782.75	463.50

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$6,706,076.34	$7,565,336.56	$7,458,935.88	$8,469,035.43	$8,085,925.86
Increase	$1,578,766.14	$859,260.22		$1,010,099.55	
Per cent of increase	30.79	12.81		13.54	
Decrease			$106,400.68		$383,109.57
Per cent of decrease			1.41		4.52
Maintenance of equipment	$4,179,285.02	$4,276,920.28	$4,542,055.90	$4,783,738.54	$3,994,167.28
Increase	$1,182,906.02	$97,635.26	$265,135.62	$241,682.64	
Per cent of increase	39.44	2.34	6.20	5.32	
Decrease					$789,571.26
Per cent of decrease					16.51
Conducting transportation	$8,733,048.73	$10,732,494.76	$12,211,106.27	$12,522,421.67	$15,156,120.44
Increase	$1,362,238.97	$1,999,446.03	$1,478,611.51	$311,315.40	$2,633,698.77
Per cent of increase	18.48	22.90	13.78	2.55	21.03
General expenses of operation	$1,209,739.12	$1,613,318.74	$1,750,595.81	$2,042,740.36	$2,914,679.04
Increase	$79,550.84	$403,579.62	$137,277.07	$292,144.55	$871,938.68
Per cent of increase	7.04	33.36	8.51	16.69	42.68
Total operating expenses	$20,828,149.21	$24,188,070.34	$25,962,693.86	$27,817,936.00	$30,150,892.62
Increase	$4,202,570.97	$3,359,921.13	$1,774,623.52	$1,855,242.14	$2,332,956.62
Per cent of increase	25.28	16.13	7.34	7.15	8.39
Mileage of operated line for which no report of operating expenses was obtainable.	373.00	132.10	142.20	342.90	820.05

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT PAID IN THE VARIOUS DIVISIONS OF TRANSPORTATION EXPENSES, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP X.

ANALYSIS OF OPERATING EXPENSES.	1881	1882	1883	1884	1885
Maintenance of way and structure	$4,066,948.54	$4,959,042.07	$5,183,295.87	$5,080,460.25	$4,893,603.68
Increase		$892,093.53	$224,253.80	$407,164.38	
Per cent of increase		21.94	4.52	9.59	
Decrease					$786,856.57
Per cent of decrease					13.85
Maintenance of equipment	$1,820,045.91	$2,845,321.40	$2,540,292.61	$3,174,134.77	$3,311,187.35
Increase		$1,025,275.49		$633,842.16	$137,052.58
Per cent of increase		56.33		24.95	4.32
Decrease			$305,028.79		
Per cent of decrease			10.72		
Conducting transportation	$8,135,842.09	$9,996,799.42	$11,055,051.64	$11,957,376.89	$11,981,559.88
Increase		$1,860,957.33	$1,058,252.22	$902,325.25	$24,182.99
Per cent of increase		22.87	10.59	8.16	0.20
General expenses of operation	$1,031,860.80	$1,340,568.92	$1,508,894.98	$1,828,934.63	$1,992,901.13
Increase		$308,708.12	$168,326.06	$320,039.65	$163,966.50
Per cent of increase		29.92	12.56	21.21	8.97
Total operating expenses	$15,054,697.34	$19,141,731.81	$20,287,535.10	$22,640,906.54	$22,179,252.04
Increase		$4,087,034.47	$1,145,803.29	$2,353,371.44	
Per cent of increase		27.15	5.99	11.60	
Decrease					$461,654.50
Per cent of decrease					2.04
Mileage of operated line for which no report of operating expenses was obtainable.	197.63	240.23	247.54	314.07	341.74

ANALYSIS OF OPERATING EXPENSES.	1886	1887	1888	1889	1890
Maintenance of way and structure	$5,529,511.54	$6,777,313.09	$10,011,158.67	$9,176,745.60	$9,812,417.16
Increase	$635,907.86	$1,247,801.55	$3,233,845.58		$635,671.56
Per cent of increase	12.99	22.57	47.72		6.93
Decrease				$834,413.07	
Per cent of decrease				8.33	
Maintenance of equipment	$3,730,454.02	$4,163,419.73	$5,635,481.79	$5,642,313.87	$5,260,077.34
Increase	$419,206.67	$432,965.71	$1,472,062.06	$6,832.08	
Per cent of increase	12.66	11.61	35.36	0.12	
Decrease					$382,236.53
Per cent of decrease					6.77
Conducting transportation	$13,438,151.50	$16,748,828.88	$21,600,745.01	$21,275,728.88	$20,962,899.83
Increase	$1,456,591.62	$3,310,677.38	$4,851,916.13		
Per cent of increase	12.16	24.64	28.97		
Decrease				$325,016.13	$312,829.05
Per cent of decrease				1.50	1.47
General expenses of operation	$2,609,646.08	$2,594,915.17	$2,956,199.16	$3,458,797.10	$4,091,226.60
Increase	$616,744.95		$361,283.99	$502,597.94	$632,429.50
Per cent of increase	30.95		13.92	17.00	18.28
Decrease		$14,730.91			
Per cent of decrease		0.56			
Total operating expenses	$25,307,763.14	$30,284,476.87	$40,203,584.63	$39,553,585.45	$40,126,620.93
Increase	$3,128,511.10	$4,976,713.73	$9,919,107.76		$573,035.48
Per cent of increase	14.11	19.66	32.75		1.45
Decrease				$649,999.18	
Per cent of decrease				1.62	
Mileage of operated line for which no report of operating expenses was obtainable.	359.07	385.74	500.03	889.16	833.96

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS.

THE UNITED STATES.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$678,109,281.59	$736,922,898.90	$733,209,596.20	$772,462,060.72	$753,329,567.77
Expenses of operation	$418,363,976.75	$457,054,750.29	$490,868,008.85	$497,039,576.50	$478,429,317.04
Net earnings from operation	$259,745,304.84	$279,868,148.61	$302,340,687.35	$275,422,424.22	$274,900,250.73
Per cent of operating expenses of gross earnings	61.70	62.02	61.88	64.34	63.51
Increase		0.32		2.46	
Decrease			0.14		0.83
Gross earnings and income	$711,722,546.93	$774,354,479.34	$831,223,758.89	$811,924,012.38	$791,560,329.02
Total expenditures	611,195,438.15	672,865,293.59	726,743,307.81	750,114,658.85	733,926,755.99
Net earnings and income	100,527,108.78	101,489,185.75	104,480,451.08	61,809,353.53	57,633,573.03
Dividends	73,732,331.34	79,724,857.33	81,885,710.00	74,270,264.51	59,222,256.02
Surplus	26,794,777.44	21,764,328.42	22,594,741.08		
Deficit				12,460,910.98	1,588,682.09
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	4,059.27	3,879.54	3,945.14	4,105.57	3,462.14
Total expenditures and dividends—expenses of operation	4,158.77	3,879.54	3,944.40	4,105.57	3,471.14

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$810,745,495.46	$914,546,125.22	$940,954,224.02	$989,892,317.64	$1,074,104,550.13
Expenses of operation	$508,707,310.82	$580,598,315.24	$638,576,064.42	$656,213,751.89	$705,914,954.27
Net earnings from operation	$302,038,184.64	$333,947,809.98	$302,378,159.60	$333,588,565.75	$368,189,595.86
Per cent of operating expenses of gross earnings	62.75	63.48	67.86	66.30	65.72
Increase		0.73	4.38		
Decrease	0.76			1.56	0.58
Gross earnings and income	$849,065,952.48	$958,708,516.38	$984,659,099.72	$1,034,982,734.54	$1,204,335,951.23
Total expenditures	767,975,085.94	858,031,193.79	928,835,335.78	960,305,359.64	1,089,656,971.58
Net earnings and income	81,090,866.54	100,677,322.59	55,823,763.94	74,677,374.90	114,678,979.65
Dividends	60,919,160.09	70,975,373.21	59,122,113.79	56,964,865.09	87,723,726.69
Surplus	20,171,706.45	29,701,949.38		17,712,509.21	26,955,252.96
Deficit			3,298,349.85		
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	3,529.77	3,253.73	4,208.71	5,747.27	6,124.31
Total expenditures and dividends—expenses of operation	3,525.37	3,253.73	4,059.91	5,607.63	6,124.31

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP I.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$50,484,840.88	$54,923,875.16	$58,208,469.21	$56,994,377.03	$55,770,997.06
Expenses of operation	$34,434,313.15	$38,212,382.33	$40,929,557.10	$39,271,958.16	$36,695,010.28
Net earnings from operation	$16,050,527.73	$16,711,492.83	$17,278,912.11	$17,722,418.87	$19,034,986.78
Per cent of operating expenses of gross earnings	68.21	69.57	70.32	68.90	65.79
Increase		1.36	0.75		
Decrease				1.42	3.11
Gross earnings and income	$51,814,624.04	$56,473,601.09	$59,686,841.50	$58,287,312.62	$57,340,296.24
Total expenditures	43,638,851.25	48,664,551.39	52,437,901.60	51,203,850.96	49,170,412.29
Net earnings and income	8,175,792.79	7,809,049.70	7,248,936.90	7,083,461.66	8,169,883.95
Dividends	7,168,850.36	7,425,458.17	7,557,600.00	7,637,643.10	7,606,144.09
Surplus	1,006,942.43	383,591.53			563,738.90
Deficit			308,663.10	554,181.44	
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	432.55	391.24	320.65	319.37	308.53
Total expenditures and dividends—expenses of operation	432.55	391.24	319.37	319.37	308.53

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$60,465,311.71	$64,568,065.97	$67,584,420.43	$67,412,595.64	$77,039,388.48
Expenses of operation	$39,804,341.50	$44,099,400.92	$47,952,634.23	$46,316,867.74	$52,202,221.68
Net earnings from operation	$20,660,970.21	$20,468,665.05	$19,631,786.20	$21,095,727.90	$24,837,166.50
Per cent of operating expenses of gross earnings	65.83	68.30	70.95	68.71	67.76
Increase	0.04	2.47	2.65		
Decrease				2.24	0.95
Gross earnings and income	$62,050,955.70	$66,473,576.20	$69,350,886.39	$69,111,029.77	$85,648,931.17
Total expenditures	52,704,500.10	57,745,401.99	62,726,700.76	62,508,676.41	72,742,941.84
Net earnings and income	9,346,455.60	8,728,174.21	6,624,185.63	6,602,353.36	12,905,989.33
Dividends	7,801,010.47	8,139,248.93	7,076,235.10	6,031,096.71	10,772,423.14
Surplus	1,545,445.13	588,925.28		571,256.65	2,133,566.19
Deficit			452,049.47		
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	306.03	259.87	264.87	746.59	272.97
Total expenditures and dividends—expenses of operation	306.03	259.87	264.87	753.42	272.97

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP II.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$202,315,593.27	$211,606,033.88	$221,012,491.11	$212,472,241.12	$201,013,651.39
Expenses of operation	$124,410,123.82	$133,471,187.89	$137,525,490.95	$138,731,845.90	$130,729,430.01
Net earnings from operation	$77,905,469.45	$78,134,845.99	$83,487,000.16	$73,740,395.22	$70,284,221.38
Per cent of operating expenses of gross earnings	61.49	63.08	62.23	65.29	65.04
Increase		1.59		3.06	
Decrease			0.85		0.25
Gross earnings and income	$218,436,135.02	$228,849,434.10	$239,536,552.19	$231,153,128.38	$217,518,129.46
Total expenditures	186,531,660.11	198,877,996.24	206,928,582.54	216,281,038.35	206,835,458.68
Net earnings and income	31,904,474.91	29,971,437.86	32,607,969.65	14,872,090.03	10,682,670.78
Dividends	22,260,458.01	24,120,042.74	26,313,529.64	24,730,174.65	17,397,445.00
Surplus	9,644,016.90	5,851,395.12	6,294,440.01		
Deficit				9,858,084.62	6,714,774.22
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	301.22	404.17	438.66	413.81	272.56
Total expenditures and dividends—expenses of operation	400.72	404.17	438.66	413.81	268.56

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$220,506,838.03	$245,400,732.85	$256,719,848.91	$261,369,979.06	$278,320,104.93
Expenses of operation	$138,632,660.97	$155,321,337.86	$165,560,873.19	$171,422,347.55	$189,535,529.63
Net earnings from operation	$81,874,177.06	$90,079,394.99	$91,158,975.72	$89,947,631.51	$88,333,575.30
Per cent of operating expenses of gross earnings	62.87	63.29	64.49	65.59	64.72
Increase	2.17	0.42	1.20	1.10	
Decrease					0.87
Gross earnings and income	$236,802,425.54	$264,094,097.96	$276,106,603.01	$278,891,394.65	$292,646,802.84
Total expenditures	218,787,532.21	232,422,851.29	244,047,499.44	251,974,503.95	282,535,968.75
Net earnings and income	18,014,893.33	31,671,246.67	32,059,103.57	26,916,890.10	40,110,834.09
Dividends	17,357,320.50	18,276,408.66	17,654,607.56	19,119,921.82	29,309,542.21
Surplus	657,572.83	13,394,838.01	14,404,496.01	7,796,968.28	10,801,291.88
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	351.66	420.39	444.74	684.30	384.66
Total expenditures and dividends—expenses of operation	347.26	420.39	444.74	684.30	384.66

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP III.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$109,640,386.78	$114,809,673.88	$125,263,423.12	$118,831,897.89	$111,919,801.93
Expenses of operation	$75,791,059.53	$78,919,116.69	$85,774,240.54	$85,887,383.15	$81,356,004.19
Net earnings from operation	$33,849,327.25	$35,890,557.19	$39,489,182.58	$32,944,514.74	$30,563,797.74
Per cent of operating expenses of gross earnings	69.13	68.74	68.48	72.28	72.69
Increase				3.80	0.41
Decrease		0.39	0.26		
Gross earnings and income	$112,988,512.56	$117,551,332.22	$127,863,542.18	$121,111,246.95	$114,209,063.32
Total expenditures	103,345,580.01	107,589,916.05	118,810,933.81	121,435,253.01	117,016,554.03
Net earnings and income	9,642,932.55	9,961,416.17	9,052,608.37		
Net loss				324,006.06	2,807,490.71
Dividends	7,130,007.35	5,880,294.80	7,254,877.58	4,727,199.43	2,751,872.02
Surplus	2,512,925.20	4,081,121.37	1,797,730.79		
Deficit				5,051,205.49	5,559,363.33
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	627.53	153.47	238.59	251.44	318.02
Total expenditures and dividends—expenses of operation	627.53	153.47	238.59	251.44	318.02

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$125,587,317.80	$147,173,974.57	$146,165,211.12	$153,201,977.16	$164,781,340.87
Expenses of operation	$85,275,272.49	$98,182,977.75	$102,656,407.62	$106,117,226.08	$112,536,200.15
Net earnings from operation	$40,312,045.31	$48,990,996.82	$43,508,803.50	$47,084,751.08	$52,245,131.72
Per cent of operating expenses of gross earnings	67.90	66.71	70.23	69.27	68.29
Increase			3.52		
Decrease	4.79	1.19		0.96	0.98
Gross earnings and income	$128,419,553.41	$150,743,187.08	$149,058,763.68	$156,628,033.54	$182,376,660.84
Total expenditures	122,159,419.05	137,619,325.27	141,466,094.70	145,244,495.96	164,204,484.23
Net earnings and income	6,260,134.36	13,123,861.81	7,592,668.98	11,383,537.58	18,172,185.62
Dividends	3,719,715.96	5,352,977.93	5,618,185.80	6,188,050.53	11,747,057.20
Surplus	2,540,418.40	7,770,883.88	1,974,483.18	5,195,481.05	6,425,128.36
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	360.42	258.11	274.23	339.69	650.29
Total expenditures and dividends—expenses of operation	360.42	258.11	274.23	336.51	650.29

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP IV.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$17,778,396.41	$20,506,520.45	$23,025,912.27	$22,556,807.25	$22,742,423.11
Expenses of operation	$11,737,810.43	$14,173,552.85	$14,780,894.43	$14,998,263.92	$14,899,581.08
Net earnings from operation	$6,040,585.98	$6,332,967.60	$8,245,017.84	$7,558,543.33	$7,842,842.03
Per cent of operating expenses of gross earnings	66.02	69.12	64.19	66.49	65.51
Increase		3.10		2.30	
Decrease			4.93		0.98
Gross earnings and income	$18,389,605.48	$21,177,947.77	$23,564,814.88	$23,170,010.54	$23,291,943.55
Total expenditures	16,996,736.33	20,413,310.48	22,042,830.86	22,824,491.17	22,385,007.23
Net earnings and income	1,392,869.15	764,637.29	1,521,984.02	345,519.37	906,936.32
Dividends	504,802.08	1,437,060.14	1,116,975.25	666,951.20	665,707.35
Surplus	888,067.07		405,008.77		241,228.97
Deficit		672,422.85		321,431.83	
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	431.50	124.00	183.30	171.00	136.00
Total expenditures and dividends—expenses of operation	431.50	124.00	183.30	171.00	149.00

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$23,983,523.34	$26,861,825.79	$29,430,272.05	$32,845,062.52	$38,068,431.09
Expenses of operation	$16,019,095.82	$17,812,621.28	$20,011,777.69	$22,782,033.46	$25,801,794.81
Net earnings from operation	$7,964,430.52	$9,049,204.51	$9,418,494.36	$10,063,029.06	$12,266,636.28
Per cent of operating expenses of gross earnings	66.79	66.31	68.00	69.36	67.78
Increase	1.28		1.69	1.36	
Decrease		0.48			1.58
Gross earnings and income	$24,680,794.56	$27,896,634.04	$30,697,045.16	$33,093,265.79	$41,644,707.14
Total expenditures	23,791,066.74	26,080,435.88	28,959,961.55	32,259,066.41	39,718,225.48
Net earnings and income	889,727.82	1,816,198.16	1,737,083.61	1,734,199.38	1,926,481.66
Dividends	596,969.20	986,808.75	1,374,476.75	2,059,733.02	2,371,777.00
Surplus	292,758.62	829,389.41	362,606.86		
Deficit				325,533.64	445,295.34
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	162.00	213.05	184.70	374.08	193.35
Total expenditures and dividends—expenses of operation	162.00	213.05	184.70	374.08	193.35

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP V.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$38,552,658.54	$41,778,723.15	$46,091,064.86	$48,702,436.12	$51,729,120.69
Expenses of operation	$24,683,000.19	$27,229,575.64	$28,682,095.80	$30,918,335.38	$33,695,601.48
Net earnings from operation	$13,869,652.35	$14,549,147.51	$17,408,968.97	$17,784,100.74	$18,033,519.21
Per cent of operating expenses of gross earnings	64.02	65.18	62.23	63.48	65.14
Increase		1.16		1.25	1.66
Decrease			2.95		
Gross earnings and income	$39,687,249.51	$43,199,538.30	$47,579,880.39	$50,205,046.49	$53,175,027.75
Total expenditures	35,121,273.31	40,953,902.05	43,813,689.41	47,412,693.47	51,043,732.97
Net earnings and income	4,565,976.20	2,245,636.25	3,766,190.98	2,792,353.02	2,131,294.78
Dividends	3,030,869.00	1,449,262.35	2,102,993.19	2,201,748.51	1,529,923.94
Surplus	1,535,107.20	796,373.90	1,663,197.79	590,604.51	601,370.84
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	1,163.32	745.60	1,132.90	1,112.42	726.68
Total expenditures and dividends—expenses of operation	1,163.32	745.60	1,132.90	1,112.42	726.68

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$53,677,943.99	$60,580,089.05	$65,834,071.14	$71,167,604.70	$79,131,731.95
Expenses of operation	$34,667,517.37	$38,630,145.17	$44,481,953.77	$47,518,210.17	$52,389,370.87
Net earnings from operation	$19,010,426.62	$21,949,943.88	$21,352,117.37	$23,649,394.53	$26,742,361.08
Per cent of operating expenses of gross earnings	64.58	63.77	67.57	66.77	66.21
Increase			3.80		
Decrease	0.56	0.81		0.80	0.56
Gross earnings and income	$55,167,618.66	$62,720,533.10	$68,417,303.42	$74,347,968.62	$87,005,708.83
Total expenditures	50,892,360.81	55,884,247.09	63,815,661.06	69,065,802.09	80,347,485.94
Net earnings and income	4,275,257.85	6,836,286.01	4,601,642.36	5,282,165.03	6,658,222.89
Dividends	1,476,920.74	2,248,765.72	2,637,625.85	2,983,238.05	6,666,482.06
Surplus	2,799,237.11	4,587,520.29	1,964,016.51	2,298,927.88	
Deficit					8,259.17
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	837.88	677.35	1,142.80	1,285.15	1,798.15
Total expenditures and dividends—expenses of operation	837.88	677.35	994.00	1,141.86	1,798.15

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VI.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$132,801,209.72	$147,834,227.94	$158,658,206.60	$155,202,619.66	$154,487,291.39
Expenses of operation	$77,390,559.03	$85,888,417.50	$95,181,809.95	$94,813,403.97.	$92,438,697.74
Net earnings from operation	$55,410,650.69	$61,945,810.44	$63,476,396.65	$60,389,215.69	$62,048,593.65
Per cent of operating expenses of gross earnings	58.28	58.10	59.99	61.09	59.84
Increase			1.89	1.10	
Decrease		0.18			1.25
Gross earnings and income	$136,031,121.34	$151,041,853.05	$162,577,289.65	$159,907,758.10	$158,937,312.29
Total expenditures	113,336,902.74	126,531,842.32	137,482,079.55	137,905,308.92	135,094,366.26
Net earnings and income	22,694,218.60	25,110,010.73	25,095,209.50	22,002,449.18	23,892,946.03
Dividends	16,986,448.73	22,587,939.72	21,032,975.45	22,046,773.16	20,783,577.22
Surplus	5,707,769.87	2,522,071.01	4,062,234.05		3,109,368.81
Deficit				44,323.98	
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	379.77	349.18	369.06	507.56	621.22
Total expenditures and dividends—expenses of operation	379.77	349.18	369.06	507.56	621.22

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$158,732,359.19	$173,139,821.98	$166,518,806.79	$181,167,340.91	$200,134,351.63
Expenses of operation	$94,373,535.13	$105,491,495.64	$114,273,821.54	$115,818,805.23	$127,502,058.77
Net earnings from operation	$64,359,024.06	$67,648,326.34	$52,244,985.25	$65,348,535.68	$72,632,292.86
Per cent of operating expenses of gross earnings	59.45	60.93	68.63	63.93	63.71
Increase		1.48	7.70		
Decrease	0.39			4.70	0.22
Gross earnings and income	$163,343,907.32	$179,894,699.70	$172,618,002.08	$189,139,265.93	$215,432,679.26
Total expenditures	137,888,456.79	157,324,702.09	167,233,320.15	175,479,474.54	192,416,213.60
Net earnings and income	25,455,510.53	22,569,997.61	5,384,681.93	13,659,791.39	23,016,465.66
Dividends	20,904,181.12	24,100,566.17	18,159,835.25	15,475,227.67	17,451,105.02
Surplus	4,551,329.41				5,565,360.64
Deficit		1,530,568.56	12,775,153.32	1,815,436.28	
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	404.82	327.82	911.20	805.00	722.64
Total expenditures and dividends—expenses of operation	404.82	327.82	911.20	805.00	722.64

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VII.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$22,284,711.01	$25,376,040.20	$28,444,866.69	$28,472,559.98	$28,017,416.52
Expenses of operation	$10,947,422.98	$11,154,055.47	$12,791,868.66	$13,437,144.50	$13,617,952.38
Net earnings from operation	$11,337,288.03	$14,221,984.73	$15,652,998.03	$15,035,415.48	$14,399,464.14
Per cent of operating expenses of gross earnings	49.13	43.96	44.97	47.19	48.61
Increase			1.01	2.22	1.42
Decrease		5.17			
Gross earnings and income	$23,190,263.93	$26,851,907.44	$29,940,696.63	$30,099,080.58	$29,571,003.20
Total expenditures	18,045,545.01	19,504,001.62	21,289,346.35	22,935,014.37	22,785,832.81
Net earnings and income	5,144,718.92	7,347,905.82	8,651,350.28	7,164,066.21	6,785,170.39
Dividends	2,440,566.48	2,580,275.77	2,583,993.13	743,609.23	114,819.36
Surplus	2,704,152.44	4,767,720.05	6,067,357.15	6,421,056.98	6,670,351.03

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$30,191,951.70	$34,056,282.92	$35,895,470.74	$38,035,325.42	$45,165,687.48
Expenses of operation	$15,490,324.70	$18,431,492.40	$22,441,538.67	$22,042,350.91	$26,482,512.24
Net earnings from operation	$14,701,627.00	$15,624,790.52	$13,453,932.07	$15,992,974.51	$18,683,175.14
Per cent of operating expenses of gross earnings	51.31	54.12	62.52	57.95	58.63
Increase	2.70	2.81	8.40		0.68
Decrease				4.57	
Gross earnings and income	$32,316,256.75	$35,482,037.55	$37,392,787.14	$39,627,003.95	$48,842,620.33
Total expenditures	25,076,378.02	29,902,917.83	34,391,966.20	34,847,067.18	43,815,262.17
Net earnings and income	7,239,878.73	5,579,119.72	3,000,820.94	4,779,936.77	5,027,358.66
Dividends	121,573.44	450,819.36	328,546.24	292,546.24	2,703,398.33
Surplus	7,118,305.29	5,128,300.36	2,672,274.70	4,487,390.53	2,323,960.33
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income				3.33	36.57
Total expenditures and dividends—expenses of operation				3.33	36.57

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP VIII.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$54,324,397.29	$58,929,202.20	$65,508,565.20	$65,897,123.73	$64,511,698.58
Expenses of operation	$32,443,011.99	$33,207,614.59	$36,207,552.77	$37,586,517.93	$36,183,209.60
Net earnings from operation	$21,881,385.30	$25,721,587.61	$29,301,012.43	$28,310,610.80	$28,328,488.98
Per cent of operating expenses of gross earnings	59.72	56.35	55.27	57.04	56.09
Increase				1.77	
Decrease		3.37	1.08		0.95
Gross earnings and income	$57,289,440.25	$62,331,949.77	$68,026,140.20	$68,809,411.12	$67,677,349.33
Total expenditures	47,428,645.10	51,569,473.69	58,201,712.66	58,724,134.97	56,839,747.53
Net earnings and income	9,860,795.15	10,762,476.08	9,824,427.54	10,085,276.15	10,837,601.80
Dividends	7,278,783.33	8,157,381.64	7,357,655.76	7,192,020.23	6,532,765.54
Surplus	2,582,011.82	2,605,094.44	2,466,771.78	2,893,255.92	4,304,836.26
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	175.20	562.60	261.29	233.15	273.89
Total expenditures and dividends—expenses of operation	175.20	562.60	261.29	233.15	273.89

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$67,873,478.92	$82,111,722.20	$79,239,599.49	$85,663,177.57	$89,926,729.65
Expenses of operation	$38,308,650.49	$48,156,297.01	$55,030,779.22	$56,821,389.30	$58,187,743.77
Net earnings from operation	$29,564,828.43	$33,955,425.19	$24,208,820.27	$28,813,788.27	$31,738,976.88
Per cent of operating expenses of gross earnings	56.44	58.65	69.45	66.35	64.71
Increase	0.35	2.21	10.80		
Decrease				3.10	1.64
Gross earnings and income	$72,661,160.88	$87,964,822.56	$85,143,626.89	$91,736,016.31	$97,761,787.82
Total expenditures	61,536,748.72	74,358,786.93	85,236,294.87	86,339,857.74	92,493,419.38
Net earnings and income	11,124,412.16	13,606,035.63		5,396,158.57	5,268,368.44
Net loss			92,667.98		
Dividends	7,389,118.66	11,143,926.32	6,006,151.24	4,043,160.65	4,727,223.76
Surplus	3,735,293.50	2,462,109.31		1,352,997.92	541,144.68
Deficit			6,098,819.22		
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	374.89	579.30	343.94	277.07	402.07
Total expenditures and dividends—expenses of operation	374.89	579.30	343.94	277.07	402.07

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP IX.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$16,658,043.73	$21,953,661.76	$26,296,615.18	$23,649,858.43	$22,671,091.84
Expenses of operation	$11,471,972.29	$15,657,115.52	$18,707,863.46	$18,753,817.05	$16,625,578.24
Net earnings from operation	$5,186,071.44	$6,296,546.24	$7,588,751.72	$4,896,041.38	$6,046,113.60
Per cent of operating expenses of gross earnings	68.87	71.32	71.14	79.30	73.33
Increase		2.45		8.16	
Decrease			0.18		5.97
Gross earnings and income	$16,882,497.76	$23,402,855.41	$28,145,752.64	$24,914,101.62	$23,668,053.77
Total expenditures	16,664,009.99	21,895,436.26	27,128,725.46	27,770,108.60	26,063,664.87
Net earnings and income	218,487.77	1,507,419.15	1,017,027.18		
Net loss				2,856,006.98	2,395,611.10
Dividends	516,000.00			364,800.00	
Surplus		1,507,419.15	1,017,027.18		
Deficit	297,512.23			3,220,806.98	2,395,611.10
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	350.55	909.05	753.75	782.75	463.50
Total expenditures and dividends—expenses of operation	350.55	909.05	753.75	782.75	463.50

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$26,117,377.74	$29,838,937.90	$31,684,992.33	$37,295,161.03	$40,451,602.44
Expenses of operation	$20,828,149.21	$24,188,070.34	$25,962,693.86	$27,817,936.00	$30,150,892.62
Net earnings from operation	$5,289,228.53	$5,650,867.56	$5,722,298.47	$9,477,225.03	$10,300,709.82
Per cent of operating expenses of gross earnings	79.75	81.06	81.94	74.59	74.54
Increase	6.42	1.31	0.88		
Decrease				7.35	0.05
Gross earnings and income	$28,587,140.30	$31,483,584.40	$32,726,927.54	$38,379,270.82	$42,080,884.85
Total expenditures	30,164,083.02	34,690,440.34	37,825,098.55	37,820,147.75	42,164,953.82
Net earnings and income				559,123.07	
Net loss	1,576,942.72	3,206,855.94	5,098,171.01		84,068.97
Dividends		2,101.37	1,450.00	1,885.00	5,635.00
Surplus				557,238.07	
Deficit	1,576,942.72	3,208,957.31	5,099,621.01		89,703.97
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	373.00	132.10	142.20	342.90	829.65
Total expenditures and dividends—expenses of operation	373.00	132.10	142.20	342.90	829.65

TABLE 10.—TRAFFIC AND TRAFFIC MILEAGE, EARNINGS AND INCOME, EXPENDITURES, OPERATING EXPENSES, AND FINANCIAL RESULTS OF RAILROADS IN THE UNITED STATES, ETC.—Continued.

AMOUNT OF EARNINGS AND INCOME, SURPLUS OR DEFICIT, INCREASE OR DECREASE OF AMOUNT, AND PERCENTAGE OF FLUCTUATIONS—Continued.

GROUP X.

ANALYSIS OF FINANCIAL RESULTS.	1881	1882	1883	1884	1885
Gross earnings from operation	$33,269,043.96	$39,204,940.28	$40,699,981.96	$39,682,074.51	$40,456,475.26
Expenses of operation	$15,054,697.34	$19,141,731.81	$20,287,535.10	$22,640,906.54	$22,179,252.04
Net earnings from operation	$18,214,346.62	$20,063,208.47	$20,412,446.86	$17,041,167.97	$18,277,223.22
Per cent of operating expenses of gross earnings	45.25	48.82	49.85	57.06	54.82
Increase		3.57	1.03	7.21	
Decrease					2.24
Gross earnings and income	$37,013,097.04	$42,873,970.19	$44,302,249.23	$44,266,815.98	$46,113,151.01
Total expenditures	30,086,254.20	36,864,863.49	38,607,502.57	43,622,765.03	46,682,979.32
Net earnings and income	6,926,842.74	6,009,106.70	5,694,746.66	643,550.95	
Net loss					569,828.31
Dividends	6,415,546.00	6,087,142.00	6,565,110.00	3,965,345.00	1,840,000.00
Surplus	511,296.74				
Deficit		78,035.30	870,363.34	3,321,794.05	2,409,828.31
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	197.63	240.23	247.54	314.07	341.74
Total expenditures and dividends—expenses of operation	197.63	240.23	247.54	314.07	341.74

ANALYSIS OF FINANCIAL RESULTS.	1886	1887	1888	1889	1890
Gross earnings from operation	$43,609,190.04	$50,814,671.99	$61,881,531.02	$61,669,093.63	$60,476,190.61
Expenses of operation	$25,307,763.14	$30,284,476.87	$40,203,584.63	$39,553,585.45	$40,126,020.93
Net earnings from operation	$18,301,426.90	$20,530,195.12	$21,677,946.39	$22,115,508.18	$20,349,569.68
Per cent of operating expenses of gross earnings	58.03	59.60	64.97	64.14	66.35
Increase	3.21	1.57	5.37		2.21
Decrease				0.83	
Gross earnings and income	$45,036,079.36	$51,955,343.79	$63,147,154.41	$63,129,486.36	$80,895,158.65
Total expenditures	44,974,540.48	52,002,085.08	63,132,738.50	64,766,267.61	79,218,016.38
Net earnings and income	61,538.88		14,415.91		1,677,142.27
Net loss		46,741.20		1,636,781.25	
Dividends	1,553,250.00	273,750.00	265,000.00	770,000.00	1,969,082.91
Deficit	1,491,711.12	320,491.29	250,584.09	2,406,781.25	291,940.64
Mileage of operated line for which no report of financial results was obtainable:					
Gross earnings and income	359.07	385.74	500.03	889.16	833.96
Total expenditures and dividends—expenses of operation	359.07	385.74	500.03	889.16	833.96

STREET RAILWAY TRANSPORTATION.

STATISTICS OF STREET RAILWAY TRANSPORTATION.

BY CHARLES H. COOLEY.

GENERAL REVIEW OF STREET RAILWAY STATISTICS.

The 10 years between the Tenth and Eleventh Censuses saw the length of street railway lines in the United States increase from 2,050.16 to 5,783.47 miles, an increase of 3,733.31 miles, or 182.10 per cent. During the same period the per cent of increase in population was 24.86. As regards their length, therefore, street railways increased over 7 times as fast as the population of the country.

Large as is this increase in the length of the lines, it by no means measures the development of city transportation in amount of business done and facilities for doing it in an efficient manner. Cable railways, which were in operation on a small scale in San Francisco before 1880, were not in use east of the Rocky mountains until after 1881, and their great development has occurred, therefore, almost wholly within the last decade.

The development of electric railways, challenging attention by its rapid progress and by novel and striking technical features, has taken place not only within the decade but within the latter half of it. The electric roads, which on July 1, 1890, constituted nearly one-fifth of the number of street railways, were none of them in operation previous to the year 1886. The following statement shows the number of electric and cable railways commencing operations in each year since the first one began running in 1877. This statement includes only lines in operation on July 1, 1890, not experimental lines which had been discontinued.

ELECTRIC AND CABLE RAILWAYS BEGINNING OPERATIONS IN EACH YEAR FROM 1877 TO 1890.

YEARS.	Number of electric railways beginning to operate.	Number of cable railways beginning to operate.	YEARS.	Number of electric railways beginning to operate.	Number of cable railways beginning to operate.
Total	144	48	1883		2
			1884		
1877		1	1885		4
1878		1	1886	2	4
1879		1	1887	6	6
1880			1888	30	11
1881			1889	57	9
1882		2	1890 (a)	49	7

a 6 months.

This statement shows at a glance that the use of mechanical traction for the working of street railways, which in the year 1890 had become so familiar in nearly all the larger American cities, grew up almost entirely during the 5 years preceding the Eleventh Census.

It is of considerable interest to note that the growth of lines, surprising everywhere, has been most remarkable in the smaller cities. Of the total length given above, that belonging to cities of over 50,000 inhabitants was 1,584.16 miles in 1880 and 3,205.59 in 1890. The length for smaller cities increased from 466.00 to 2,577.88 miles, or 453.19 per cent. The following tabular statement shows these relations clearly:

STATEMENT SHOWING THE INCREASE IN LENGTH OF STREET RAILWAYS IN CITIES OF OVER AND LESS THAN 50,000 INHABITANTS.

ITEMS.	LENGTH OF STREET RAILWAYS. (Miles.)		Per cent of increase.
	1890	1880	
All cities	5,783.47	2,050.16	182.10
Cities of more than 50,000 inhabitants	3,205.59	1,584.16	102.35
Cities of less than 50,000 inhabitants	2,577.88	466.00	453.19

On July 1, 1890, the street railway companies of the United States in operation numbered 789. Their operations were carried on over 5,783.47 miles of line, or over a total track length of 8,123.02 miles. On this line 32,505 passenger cars were in use. The road and equipment cost, all told, $389,357,288.87, gave employment to 70,764 men, and carried 2,023,010,202 passengers. The extent of this traffic is better realized upon reflecting that the street railways of the United States carry each year a number of passengers considerably greater than the estimated population of the globe. It is interesting also to compare these street railway figures with the corresponding ones for the steam railways of the country:

ITEMS.	Steam railways.	STREET RAILWAYS.	
		Total.	Per cent of total of steam railways.
Length of line	157,758.83	5,783.47	3.67
Passenger cars	25,065.00	32,505.00	126.65
Employés	704,743.00	70,764.00	10.04
Passengers carried	472,171,343.00	2,023,010,202.00	428.45

It is not possible to show with entire accuracy how these numbers, which represent the totals for all street railways, are divided among the several kinds of motive power. Many important roads use several kinds of motive power and keep no records by whose aid statistics of the several kinds can be separated. The distribution given in the following table is, however, sufficiently exact for the purposes of a general survey. It is of date July 1, 1890.

DIVISION OF STREET RAILWAY STATISTICS, BY MOTIVE POWER.

ITEMS.	All motive powers.	DISTRIBUTION.			
		Animal.	Electric.	Cable.	Steam.
Length of line	5,783.47	4,061.94	914.25	283.22	524.06
Length of all tracks	8,123.02	5,661.44	1,261.97	488.31	711.30
Number of passenger cars	32,505	22,408	2,895	5,089	2,113
Number of employés	70,764	44,314	6,619	11,673	8,158
Number of passengers	2,023,010,202	1,227,756,815	134,905,994	373,492,708	286,854,685
Total cost	$389,357,288.87	$195,121,682.50	$35,830,949.63	$76,346,618.23	$82,058,038.51

Perhaps the most notable feature of this table is the fact that in 1890 the railways operated by animal power were still far ahead of all others as regards their gross operating statistics. Rapid as was the advance of electric and cable roads during the latter 5 years of the decade, only a beginning was made in the supplanting of the older form of motive power. It is interesting also to see that although in number and length of lines the electric railways have far outstripped the cable railways, the latter, nevertheless, represent twice as great an investment, operate nearly twice the number of cars, and do a business more than twice as great. These relations point clearly to the far greater density of traffic upon the cable lines and to their large first cost. The cable lines almost without exception operate in the denser portion of large cities, while the greater part of the electric roads are either suburban or serve the people of comparatively small cities.

To the elevated railways of New York and Brooklyn is assignable the greater part of the cost and traffic operations included under the head of steam lines.

The chief interest of street railway statistics, however, does not lie in grand totals. That which gives this kind of transportation its momentous importance is its relation to the social life of cities. The table on the following page gives in a concise form the principal facts for all cities in the United States having a population of over 50,000.

GENERAL REVIEW OF STREET RAILWAY STATISTICS FOR CITIES OF OVER 50,000 INHABITANTS.

CITIES.	LENGTH IN MILES—		Number of passenger cars.	Number of employés.	Number of passengers carried in 1 year.	Total cost.
	Of line (street length).	Of all tracks, including sidings.				
Total	3,205.59	5,149.17	26,363	61,018	1,823,646,686	$335,663,914.90
Albany, New York	20.24	31.47	89	258	4,953,138	1,156,073.39
Atlanta, Georgia	47.42	51.84	85	223	6,026,054	1,122,992.05
Baltimore, Maryland	100.57	156.55	490	1,547	40,659,982	6,709,450.39
Boston, Lynn, and Cambridge, Massachusetts	237.83	365.76	2,396	4,188	129,038,563	17,604,071.76
Brooklyn, New York	173.24	351.53	2,862	6,359	147,500,399	17,711,765.51
Buffalo, New York	44.30	66.27	219	730	16,685,983	2,012,541.46
Camden, New Jersey	14.12	15.00	41	106	2,898,770	556,572.38
Charleston, South Carolina	20.69	26.00	65	96	3,015,686	507,129.73
Chicago, Illinois	193.11	390.33	3,657	5,796	180,326,470	26,943,443.78
Cincinnati, Ohio	67.90	122.19	561	1,213	37,905,370	8,056,031.04
Cleveland, Ohio	88.38	158.88	730	1,650	30,164,773	7,156,027.89
Columbus, Ohio	21.00	34.75	150	306	8,202,662	1,670,085.02
Dayton, Ohio	23.60	44.95	117	190	4,530,624	1,225,429.00
Denver, Colorado	79.12	130.75	461	866	21,535,735	7,518,400.14
Des Moines, Iowa	20.24	28.81	49	100	2,993,138	500,275.02
Detroit, Michigan	59.25	79.54	296	772	22,791,506	2,370,197.61
Evansville, Indiana	21.40	28.50	91	71	1,903,068	371,009.33
Fall River, Massachusetts	12.29	17.38	66	109	3,143,212	323,514.48
Grand Rapids, Michigan	28.55	42.36	161	259	5,013,495	1,583,815.48
Hartford, Connecticut	18.00	26.00	86	152	3,513,835	447,553.75
Indianapolis, Indiana	45.00	70.00	205	482	9,863,000	1,683,765.13
Jersey city and Hoboken, New Jersey	46.65	78.25	317	880	24,115,322	2,629,759.62
Kansas city, Missouri	60.42	127.30	652	1,376	38,000,978	12,344,487.44
Lincoln, Nebraska	33.84	39.86	61	91	2,100,284	411,500.00
Los Angeles, California	78.23	113.16	250	489	10,326,130	5,593,081.07
Louisville, Kentucky	84.42	128.00	429	746	21,281,584	3,713,078.88
Lowell, Massachusetts	22.89	26.26	105	197	4,156,392	590,438.86
Memphis, Tennessee	35.00	40.00	181	178	4,300,000	560,000.00
Milwaukee, Wisconsin	52.75	97.06	248	622	14,512,156	4,208,956.24
Minneapolis, Minnesota	58.00	103.00	324	616	14,648,529	3,836,233.60
Nashville, Tennessee	44.60	57.31	93	268	7,566,921	2,372,144.99
Newark and Elizabeth, New Jersey	62.59	76.34	244	525	20,068,884	3,282,381.75
New Haven, Connecticut	20.85	26.08	86	227	5,253,622	645,080.50
New Orleans, Louisiana	112.59	153.14	527	876	30,510,662	5,978,464.89
New York, New York	180.56	377.42	3,503	12,778	449,047,853	99,294,071.24
Omaha, Nebraska	51.50	98.84	200	469	11,900,000	6,500,000.00
Paterson, New Jersey	14.00	17.00	48	74	2,000,000	330,938.42
Philadelphia, Pennsylvania	276.94	351.12	1,368	4,136	165,117,627	15,746,376.08
Pittsburg and Allegheny, Pennsylvania	65.95	110.50	378	1,529	46,099,227	10,076,053.83
Providence, Rhode Island	44.95	59.48	349	787	18,473,722	2,689,068.76
Reading, Pennsylvania	27.22	29.41	83	143	3,184,708	560,670.28
Richmond, Virginia	21.50	36.00	80	144	3,302,460	739,600.00
Rochester, New York	35.83	62.17	192	510	11,372,596	6,615,586.46
Saint Joseph, Missouri	13.38	22.88	48	128	2,014,868	468,420.60
Saint Louis, Missouri	115.25	192.45	1,460	2,501	67,800,252	10,716,195.77
Saint Paul, Minnesota	25.27	50.54	227	433	11,245,805	2,653,585.54
San Francisco, California	89.11	156.22	988	2,398	83,619,005	17,230,933.24
Scranton, Pennsylvania	25.00	30.00	56	121	3,023,493	881,721.86
Syracuse, New York	33.14	44.13	137	242	6,497,197	1,433,661.25
Toledo, Ohio	32.09	42.00	112	267	5,656,813	1,118,717.93
Trenton, New Jersey	12.50	18.25	53	90	2,900,000	375,000.00
Troy, New York	16.48	27.10	113	328	6,244,276	843,109.80
Washington, District of Columbia	45.22	83.00	451	1,112	31,032,187	3,552,659.95
Wilmington, Delaware	9.12	9.64	38	101	2,216,036	367,795.43
Worcester, Massachusetts	12.50	20.40	76	163	4,851,574	656,286.68

One of the first things noticeable in glancing at this table is that in a number of cases two or more cities are grouped together. The reason is that for street railway purposes these cities form an aggregate whose statistics can not be separated. For example, the population centered at Boston is served by an extensive network of street railways which traverses the cities of Cambridge and Lynn, as well as several smaller towns. Indeed, it is sometimes a matter of the greatest difficulty to determine where a certain street railway line properly belongs. The aim has been to assign to each city not only lines lying within its corporate limits, but also suburban lines tributary to it. The two columns giving the length of lines in these cities offer at once some interesting facts.

Looking at the first column, which gives the length of street occupied by tracks, it is found that Philadelphia is ahead of all other cities. The lengths assigned to each of the 5 leading cities are as follows:

Philadelphia	276.94	New York	180.56
Boston, Lynn, and Cambridge	237.83	Brooklyn	173.24
Chicago	193.11		

Looking at the second column, giving the length of all tracks, it is found that as regards the position of Philadelphia the table is reversed and that Chicago takes the first rank, with New York second. The number of miles assigned to each of the 5 cities in this column is as follows:

Chicago	390.33	Brooklyn	351.53
New York	377.42	Philadelphia	351.12
Boston, Lynn, and Cambridge	365.76		

The reason for these changes is that in Chicago, New York, and Brooklyn the lines are nearly all laid with double tracks. It is a peculiarity of the Philadelphia and in some degree of the Boston roads that the tracks usually occupy different streets in going to and from a terminus instead of being laid upon the same street. The result is that roads in the cities named traverse a greater length of street in proportion to track length than in New York, Brooklyn, and Chicago. The relatively small length of double tracks in Philadelphia and Boston is probably due to the narrowness of the streets. Another reason is that the advantage of double tracks was not sufficiently understood at the date when most of the Philadelphia lines were built. Of the columns in this table, however, by far the most interesting is that giving the number of passengers carried. These figures show more than any other the importance of street railway traffic to the life of the city, and the column is fruitful of many interesting comparisons. New York is seen to be far in the lead, showing about 2.5 times as many passengers as Chicago, which comes next. This great superiority is due to several causes, chief among which is the fact that an enormous population, resident in neighboring cities, enters New York daily and makes use of its street and elevated railways. A satisfactory comparison among the various cities, however, can not well be made without reducing the passenger traffic to some unit which will show its relation to population. The average number of rides taken by each inhabitant in one year is such a unit, and, other things being equal, is a correct index of the extent to which street railways are used by the people. The statement following shows the population in 1890, the total number of passengers carried, and the average number of rides per inhabitant for all cities of over 100,000 inhabitants:

RELATION OF STREET RAILWAY PASSENGER TRAFFIC TO POPULATION IN CITIES OF OVER 100,000 INHABITANTS.

CITIES.	Population, 1890.	NUMBER OF PASSENGERS CARRIED.	
		Total.	Average number of rides per inhabitant.
Total	9,905,127	1,701,918,230	172
Baltimore, Maryland	434,439	40,059,982	94
Boston, Lynn, and Cambridge, Massachusetts	574,232	129,038,563	225
Brooklyn, New York	806,343	147,500,399	183
Buffalo, New York	255,664	16,685,983	65
Chicago, Illinois	1,099,850	180,320,470	164
Cincinnati, Ohio	296,908	37,905,370	128
Cleveland, Ohio	261,353	39,164,773	150
Denver, Colorado	106,713	21,535,735	202
Detroit, Michigan	205,876	22,791,566	111
Indianapolis, Indiana	105,436	9,863,000	94
Jersey city and Hoboken, New Jersey	206,651	24,115,322	117
Kansas city, Missouri	132,716	38,000,978	286
Louisville, Kentucky	161,129	21,281,584	132
Milwaukee, Wisconsin	204,468	14,512,156	71
Minneapolis, Minnesota	164,738	14,648,529	89
Newark and Elizabeth, New Jersey	219,594	20,068,884	91
New Orleans, Louisiana	242,039	30,510,662	126
New York, New York	1,515,301	449,047,853	297
Omaha, Nebraska	140,452	11,900,000	85
Philadelphia, Pennsylvania	1,046,964	165,117,627	158
Pittsburg and Allegheny, Pennsylvania	343,904	46,099,227	134
Providence, Rhode Island	132,146	18,473,722	140
Rochester, New York	133,896	11,372,596	85
Saint Louis, Missouri	451,770	67,800,252	150
Saint Paul, Minnesota	133,156	11,245,805	84
San Francisco, California	298,997	80,619,005	270
Washington, District of Columbia	230,392	31,032,187	135

Upon comparing these averages, New York is found still ahead of all other cities; but it is surprising to note how closely this city is followed by 2 western cities, Kansas city and San Francisco. Then comes Boston, and then Denver, another western city. It would require a careful study of local circumstances to explain all the facts shown in this table. The physical peculiarities of each city, as compact or open, flat or hilly, have much influence upon street railway building and traffic. The suburban passenger business of steam railways is a disturbing element of importance. For example, the steam railways entering Chicago carry yearly about 20,000,000 suburban passengers. This business is in every way similar to that done by the street railways and additional to it.

Comparisons much to our disadvantage are frequently made between the street railway systems of our own and foreign cities, the ground of conclusions favorable to the foreign service being that it is managed with more regard for the public convenience and made to contribute more to municipal expense. However well grounded in some respects these criticisms may be, it is easy to show that in what concerns the most important function of street railways, that of carrying passengers, our own lines have attained a development unapproached in Europe.

No comprehensive and reliable exhibit of the street railway statistics of Europe exists, but an Austrian statistician, von Lindheim, in a volume published in 1888 has brought together such facts as are accessible. In the table which follows the chief cities of the United States are compared with those of Great Britain, the German empire, France, Austria, Holland, and Belgium, the units of comparison used being the length of line per 1,000 inhabitants and the average number of rides per inhabitant in 1 year. The figures for foreign cities are taken directly from von Lindheim, the only change being the reduction of kilometers to miles. His tables do not give the total number of passengers carried in the various cities, but only the deduced average set down in the last column of the table. It is to be borne in mind that the foreign figures are of date 3 years earlier than those of the census.

COMPARATIVE SUMMARY OF STREET RAILWAYS AND POPULATION IN EUROPEAN AND AMERICAN CITIES.

CITIES.	Population.	LENGTH OF LINE. (Miles.)		Average number of rides per inhabitant.
		Total.	Per 1,000 inhabitants.	
The United States:				
New York	1,515,301	180.56	0.12	297
Chicago	1,099,850	193.11	0.18	164
Philadelphia	1,046,964	276.94	0.26	158
Brooklyn	806,343	173.24	0.21	183
Saint Louis	451,770	115.25	0.26	150
Boston, Lynn, and Cambridge	574,232	237.83	0.41	225
Great Britain:				
London and suburbs (*a*)	4,720,400	126.04	0.03	31
Liverpool	579,520	28.16	0.05	51
Glasgow and suburbs	487,948	31.29	0.06	61
Birmingham	427,760	30.33	0.07	37
German empire:				
Berlin	1,315,290	101.90	0.08	87
Hamburg	305,690	39.30	0.13	78
German empire—continued:				
Munich	261,980	17.39	0.07	40
Dresden	245,510	27.12	0.11	42
France:				
Paris (*b*)	2,992,870	156.18	0.05	.....
Marseilles (*b*)	360,000	14.42	0.04	.....
Lyons (*b*)	353,954	25.86	0.07	.....
Austria:				
Vienna	1,154,630	59.10	0.05	43
Buda-Pesth	359,000	25.59	0.07	37
Holland:				
Amsterdam	372,330	16.93	0.05	38
Belgium:				
Brussels (*b*)	399,936	29.98	0.07	.....

a Figures do not include the underground railways. Von Lindheim gives the total number of passengers carried by omnibuses, tramways, and underground railways at 349,764,700 in 1886, which would be about 74 rides per inhabitant.

b Average number of rides not given.

It appears that in only one case does a foreign city show as great length of line per 1,000 inhabitants as an American city. Hamburg, which leads the foreign list with 0.13 of a mile, is 0.01 of a mile above New York. In the average number of rides per inhabitant the highest number given for a foreign city is but little over one-half the lowest figure among the American cities. The street railway system of Berlin, justly regarded as the most perfect in Europe, carried in proportion to the inhabitants of the city less than one-third as many passengers as the city railways of New York.

Of the total extent of street railway traffic abroad only a rough estimate can be made; but it is probably no great exaggeration to say that the number of passengers carried yearly upon American street railways is twice that of all the rest of the world. According to von Lindheim the aggregate number carried during the year 1886 in England, Germany, France, Austria-Hungary, Holland, Belgium, and Switzerland was 810,107,966, as against 2,023,010,202 in the United States.

The assignment of street railway statistics to states and to the principal geographical divisions is also of much interest. The table which follows shows, by states and geographical divisions, the same facts which have already been given for principal cities.

GENERAL REVIEW OF STREET RAILWAY STATISTICS, BY STATES AND GEOGRAPHICAL DIVISIONS.

STATES AND GEOGRAPHICAL DIVISIONS.	LENGTH IN MILES—		Number of passenger cars.	Number of employés.	Number of passengers carried in 1 year.	Total cost.
	Of line. (Street length.)	Of all tracks, including sidings.				
The United States	5,783.47	8,123.02	32,505	70,764	2,023,010,202	$389,357,288.87
North Atlantic:						
Maine	36.16	40.95	97	170	3,500,255	551,879.97
New Hampshire	24.86	26.62	59	91	1,833,473	214,062.51
Vermont	13.33	13.41	10	35	574,590	140,866.10
Massachusetts	484.58	650.34	3,237	5,583	165,005,835	23,310,674.16
Rhode Island	61.34	77.65	397	871	20,577,856	2,492,767.41
Connecticut	90.94	107.05	327	668	15,406,349	2,032,496.13
New York	679.33	1,168.14	7,580	21,830	656,709,440	132,843,200.80
New Jersey	171.09	230.88	784	1,781	55,105,262	8,030,563.35
Pennsylvania	502.31	636.81	2,151	6,383	222,465,400	29,778,690.10
Total	2,063.04	2,951.85	14,651	37,412	1,141,187,460	199,404,200.53
South Atlantic:						
Delaware	9.12	9.64	38	101	2,216,036	367,795.43
Maryland	102.57	158.55	493	1,547	40,759,982	6,749,450.39
District of Columbia	45.22	83.00	451	1,112	31,032,187	3,505,359.95
Virginia	59.17	76.05	169	303	6,567,938	1,537,761.95
West Virginia	26.45	30.23	55	133	2,370,091	221,035.21
North Carolina	16.19	17.71	34	61	1,144,265	208,500.00
South Carolina	27.19	34.25	75	119	3,150,686	543,429.73
Georgia	157.48	178.00	327	667	12,749,015	2,601,461.65
Florida	22.54	24.53	60	96	1,656,974	240,876.30
Total	465.93	611.96	1,702	4,139	101,647,174	16,125,870.61
North Central:						
Ohio	340.48	522.08	1,892	4,021	104,188,473	21,456,755.33
Indiana	155.90	197.31	505	838	17,171,999	3,526,375.39
Illinois	327.59	552.79	4,066	6,314	192,679,119	29,406,755.35
Michigan	162.64	209.70	642	1,284	34,060,855	5,183,057.73
Wisconsin	107.25	159.49	351	788	17,704,717	4,808,395.61
Minnesota	104.42	178.96	591	1,141	28,023,132	6,835,048.61
Iowa	143.65	175.47	408	565	9,139,651	3,734,580.00
Missouri	225.07	371.70	2,216	4,072	109,146,382	23,848,677.04
South Dakota	30.37	30.51	27	43	318,581	320,108.13
Nebraska	124.01	179.14	309	634	14,811,447	7,176,693.51
Kansas	145.65	176.42	328	614	11,005,531	4,385,159.25
Total	1,867.93	2,753.57	11,335	20,314	538,309,887	110,741,609.53
South Central:						
Kentucky	131.00	186.30	546	995	25,845,009	4,755,557.37
Tennessee	132.40	167.00	377	611	15,310,709	4,353,479.36
Alabama	139.06	160.72	264	458	10,168,174	5,883,393.21
Mississippi	18.25	20.78	36	41	703,301	120,505.00
Louisiana	114.34	155.14	533	881	30,540,662	5,986,464.89
Texas	185.19	213.79	472	663	11,809,796	2,392,244.99
Arkansas	52.81	64.94	114	181	3,627,375	1,109,992.74
Total	773.05	968.67	2,342	3,830	98,005,026	24,602,197.56
Western:						
Montana	15.50	17.25	29	57	1,569,050	578,039.75
Wyoming	4.75	5.00	11	6	145,388	80,300.00
Colorado	99.66	154.79	499	919	22,757,735	7,760,439.14
New Mexico	3.50	3.77	12	18	162,260	64,197.38
Arizona	6.00	6.00	2	2	5,000	18,000.00
Utah	24.00	30.00	64	110	2,590,504	302,082.06
Washington	53.58	71.49	147	348	8,532,059	2,214,252.20
Oregon	50.49	62.07	139	294	6,270,841	1,696,514.17
California	355.14	486.60	1,572	3,315	101,827,318	25,774,245.04
Total	612.62	836.97	2,475	5,069	143,860,055	38,483,070.64

The preceding table shows, as indeed might be expected, that those parts of the country which have a relatively large urban population have a corresponding development of street railways. In order to bring out this fact more clearly, a summary follows which gives the average number of rides per inhabitant in each of the principal divisions side by side with the per cent of urban population in these divisions to the total.

COMPARATIVE RATIOS SHOWING THE RELATION OF STREET RAILWAY TRAFFIC TO URBAN POPULATION CONTAINED IN CITIES OF 8,000 AND UPWARD.

GEOGRAPHICAL DIVISIONS.	Total population.	Total number of passengers carried yearly.	Average number of rides per inhabitant.	Per cent of urban population to total.
The United States	62,622,250	2,023,010,202	32	29.20
North Atlantic	17,401,545	1,141,187,460	66	51.81
South Atlantic	8,857,920	101,647,174	11	16.03
North Central	22,362,270	538,309,887	24	25.91
South Central	10,972,893	98,005,026	9	10.45
Western	3,027,613	143,860,655	48	29.99

It will be seen that the ratios of street railway traffic and of urban population given in the last two columns vary in a somewhat similar manner. The North Atlantic division, which has the greatest proportion of urban population, has the greatest street railway traffic relatively to population, and the South Central division has the least of both. However, the Western division, which has only a slightly larger proportion of urban population than the North Central division, shows twice as many rides per inhabitant. This suggests that there is a greater relative development in the cities of the west than in those of other parts of the country. By direct comparison of the number of passengers carried with urban population this is found to be the case.

COMPARATIVE USE OF STREET RAILWAYS BY URBAN POPULATION CONTAINED IN CITIES OF 8,000 AND UPWARD IN THE SEVERAL GEOGRAPHICAL DIVISIONS OF THE UNITED STATES.

GEOGRAPHICAL DIVISIONS.	Urban population.	Average number of rides per urban inhabitant.
The United States	18,284,385	111
North Atlantic	9,015,383	127
South Atlantic	1,419,964	72
North Central	5,793,896	93
South Central	1,147,089	85
Western	908,053	158

Relatively to the number and size of their cities, the people of the far western states make a much greater use of street railways than those in any other part of the country.

The division of the total length of street railway lines in each city into length operated by each of the various kinds of motive power is a matter of great difficulty as well as of great interest. At any date which may be chosen a considerable number of lines are in the process of changing from one motive power to another, and it is very difficult to secure the exact apportionment of their length. The distribution shown in the following tables is intended to be that existing on July 1, 1890. It includes only lines in actual operation on that date. There is therefore no trace of some extensive systems of electric and cable railways which were in various stages of construction on that date, but had not begun regular operation.

LENGTH OF STREET RAILWAY LINE, SHOWING MILES OPERATED BY VARIOUS KINDS OF MOTIVE POWER, JULY 1, 1890.

A.—IN CITIES OF OVER 50,000 INHABITANTS.

CITIES.	ALL MOTIVE POWER.		DISTRIBUTION OF LENGTH OF LINE BY MOTIVE POWER.				
						Steam.	
	Length of line. (Street length.)	Length of all tracks.	Animal.	Electric.	Cable.	Elevated roads.	Surface roads.
Total	3,205.59	5,149.17	2,292.09	420.34	261.64	63.64	167.88
Albany, New York	20.24	31.47	8.99	11.25			
Atlanta, Georgia	47.42	51.84	28.50	11.42			7.50
Baltimore, Maryland	100.57	156.55	98.94	1.63			
Boston, Lynn, and Cambridge, Massachusetts	237.83	365.76	174.78	63.05			
Brooklyn, New York	173.24	351.53	138.82	6.40		28.02	
Buffalo, New York	44.30	66.27	42.30	2.00			
Camden, New Jersey	14.12	15.00	14.12				
Charleston, South Carolina	20.69	26.00	20.69				
Chicago, Illinois	193.11	300.33	158.76		34.35		
Cincinnati, Ohio	67.90	122.19	49.52	5.82	12.56		
Cleveland, Ohio	88.38	158.88	34.80	44.33	9.25		
Columbus, Ohio	21.00	34.75	21.00				
Dayton, Ohio	23.60	44.95	15.60	8.00			
Denver, Colorado	79.12	130.75	29.25	23.37	21.50		5.00
Des Moines, Iowa	20.24	28.81	2.74	13.00			4.50
Detroit, Michigan	59.25	79.54	46.50	12.75			
Evansville, Indiana	21.40	28.50	10.50				10.90
Fall River, Massachusetts	12.29	17.38	12.29				
Grand Rapids, Michigan	28.55	42.36	19.30		7.75		1.50
Hartford, Connecticut	18.00	26.00	15.00	3.00			
Indianapolis, Indiana	45.00	70.00	45.00				
Jersey city and Hoboken, New Jersey	46.65	78.25	42.75		1.40		2.50
Kansas city, Missouri	69.42	127.30	10.27	10.61	36.32		12.22
Lincoln, Nebraska	33.84	39.86	32.84	1.00			
Los Angeles, California	78.23	113.16	29.90	8.00	14.57		25.76
Louisville, Kentucky	84.42	128.00	79.92	4.50			
Lowell, Massachusetts	22.80	26.26	17.86	5.03			
Memphis, Tennessee	35.00	46.00	30.00				5.00
Milwaukee, Wisconsin	52.75	97.06	32.42	15.00			5.33
Minneapolis, Minnesota	58.00	103.00	40.00				18.00
Nashville, Tennessee	44.60	57.31		29.27			15.33
Newark and Elizabeth, New Jersey	62.59	76.34	62.59				
New Haven, Connecticut	20.85	26.08	20.85				
New Orleans, Louisiana	112.59	153.14	99.89				12.70
New York, New York	180.56	377.42	136.97		6.89	35.62	1.08
Omaha, Nebraska	51.50	98.84	21.00	26.00	4.50		
Paterson, New Jersey	14.00	17.00	14.00				
Philadelphia, Pennsylvania	276.94	351.12	250.05	3.00	20.39		3.50
Pittsburg and Allegheny, Pennsylvania	65.95	110.50	29.52	20.96	15.47		
Providence, Rhode Island	44.95	59.48	41.95		3.00		
Reading, Pennsylvania	27.22	29.41	16.50	3.00			7.72
Richmond, Virginia	21.50	36.00	6.50	15.00			
Rochester, New York	35.83	62.17	31.13	4.70			
Saint Joseph, Missouri	13.38	22.88		13.38			
Saint Louis, Missouri	115.25	192.45	78.84	1.50	19.20		15.71
Saint Paul, Minnesota	25.27	50.54	14.67	5.59	5.01		
San Francisco, California	89.11	156.22	29.70		45.78		13.63
Scranton, Pennsylvania	25.00	30.00		25.00			
Syracuse, New York	33.14	44.13	30.14	3.00			
Toledo, Ohio	32.09	42.00	32.09				
Trenton, New Jersey	12.50	18.25	12.50				
Troy, New York	16.48	27.10	8.70	7.78			
Washington, District of Columbia	45.22	83.00	32.52	9.00	3.70		
Wilmington, Delaware	9.12	9.64	6.12	3.00			
Worcester, Massachusetts	12.50	20.40	12.50				

LENGTH OF STREET RAILWAY LINE, SHOWING MILES OPERATED, ETC.—Continued.

B.—BY STATES AND GEOGRAPHICAL DIVISIONS.

STATES AND GEOGRAPHICAL DIVISIONS.	ALL MOTIVE POWER.		DISTRIBUTION OF LENGTH OF LINE BY MOTIVE POWER.				
						Steam.	
	Length of line. (Street length.)	Length of all tracks.	Animal.	Electric.	Cable.	Elevated roads.	Surface roads.
Grand total	5,783.47	8,123.02	4,061.94	914.25	283.22	62.84	455.22
North Atlantic:							
Maine	36.16	40.95	32.98	3.18			
New Hampshire	24.86	26.62	24.86				
Vermont	13.33	13.41	13.33				
Massachusetts	484.58	650.34	383.41	100.17			1.00
Rhode Island	61.34	77.65	54.45	3.89	3.00		
Connecticut	90.94	107.05	77.77	13.17			
New York	679.33	1,168.14	541.25	60.85	7.01	63.64	6.58
New Jersey	171.09	230.88	160.32	6.87	1.40		2.50
Pennsylvania	502.31	636.81	370.14	85.09	35.86		11.22
Total	2,063.94	2,951.85	1,658.51	273.22	47.27	63.64	21.30
South Atlantic:							
Delaware	9.12	9.04	6.12	3.00			
Maryland	102.57	158.55	98.94	3.63			
District of Columbia	45.22	83.00	32.52	9.00	3.70		
Virginia	59.17	76.05	31.17	17.00			11.00
West Virginia	26.45	30.23	5.20	13.25			8.00
North Carolina	16.19	17.71	12.00	4.19			
South Carolina	27.19	34.25	27.19				
Georgia	157.48	178.00	75.21	33.51			48.76
Florida	22.54	24.53	19.14				3.40
Total	465.93	611.96	307.49	83.58	3.70		71.16
North Central:							
Ohio	340.48	522.08	219.85	98.82	21.81		
Indiana	155.90	197.31	117.50	22.50			15.90
Illinois	327.59	552.79	254.73	31.88	34.35		6.63
Michigan	162.64	209.70	106.09	47.30	7.75		1.50
Wisconsin	107.25	159.49	73.49	28.43			5.33
Minnesota	104.42	178.96	70.57	10.84	5.01		18.00
Iowa	143.65	175.47	81.37	40.37	0.06		21.85
Missouri	225.07	371.70	116.13	25.49	55.52		27.93
South Dakota	30.37	30.51	17.35	7.37			5.65
Nebraska	124.91	179.14	90.66	29.75	4.50		
Kansas	145.65	176.42	82.16	41.81	0.69	5.20	15.79
Total	1,867.93	2,753.57	1,229.90	384.56	129.69	5.20	118.58
South Central:							
Kentucky	131.00	186.30	126.50	4.50			
Tennessee	132.40	167.00	60.94	45.38			26.08
Alabama	139.06	160.72	60.75				78.31
Mississippi	18.25	20.78	16.00				2.25
Louisiana	114.34	155.14	101.64				12.70
Texas	185.19	213.79	149.44	31.75			4.00
Arkansas	52.81	64.94	44.56				8.25
Total	773.05	968.67	559.83	81.63			131.59
Western:							
Montana	15.50	17.25	3.50		1.50		10.50
Wyoming	4.75	5.00	4.75				
Colorado	99.66	154.79	40.79	23.37	21.50		5.00
New Mexico	3.50	3.77	3.50				
Arizona	6.00	6.00	6.00				
Utah	24.00	30.00	4.00	20.00			
Washington	53.58	71.49	10.25	25.39	11.19		6.75
Oregon	50.49	62.07	16.99	8.75	5.30		19.75
California	355.14	486.60	207.73	13.75	63.07		70.59
Total	612.62	836.97	306.21	91.26	102.56		112.59

SOURCES OF INFORMATION—ESTIMATES—NOMENCLATURE.

The preceding pages summarize in a concise manner the general features of street railway statistics in the United States. Before proceeding to the more detailed examination of the various exhibits a few points will be considered which are essential to the understanding of the report as a statistical whole.

The summaries already given and discussed include all street railways in operation on July 1, 1890. In so far as the returns of companies were deficient they have been supplemented by information obtained from other sources and by estimates. As this is a matter in regard to which definiteness is indispensable, a precise statement, both in totals and percentages, is given below of the amounts which have been obtained from sources other than the certified returns of street railway companies.

Of the 789 street railways of the United States on July 1, 1890, information has been received from 706. The character of this information may be determined by referring to Table 1 of this report. Of the 706 roads making report, 681 were in independent operation on July 1, 1890; 5 were leased but made report of mileage as though operating independently; 11 were leased in such a manner that their mileage was included in the operated mileage of the lessee companies; the 9 remaining were by the character of the lease practically consolidated into companies making report of mileage and operation. The greater portion of the deficient roads were horse railways of the smallest class or electrical railways which had been put into operation during the census year.

As already stated, the summaries given at the opening of the report include all street railways in the United States. The following statement shows in detail to what extent it was necessary to supplement the certified returns of street railway companies to obtain the totals already given:

STATEMENT SHOWING STATISTICS INCLUDED IN SUMMARIES AND OBTAINED FROM SOURCES OTHER THAN CERTIFIED RETURNS OF STREET RAILWAY COMPANIES.

ITEMS.	Grand total.	From certified returns.	FROM OTHER SOURCES.	
			Amount.	Per cent.
Length of line	5,783.47	5,184.49	598.98	10.36
Track length	8,123.02	7,465.19	657.83	8.10
Passenger cars	32,505	30,914	1,591	4.89
Employés	70,764	67,770	2,994	4.23
Passengers	2,023,010,202	1,919,172,240	103,837,962	5.13
Cost	$389,357,288.87	$372,995,024.44	$16,362,264.43	4.20

The figures in the second column are aggregates made up from the detailed tables given in the body of the report. The third column shows additions made to these figures in order to obtain the totals given in the first column, which are those that appear in the summaries. The last column shows in percentages the relation of the third column to the first.

The amounts included in the column headed "From other sources" were arrived at in the following manner: a series of tabulations was made, first, of all lines making no report, and, second, of lines whose reports were deficient in one or more of the six items included in the above statement. The facts lacking were then supplied from technical journals, from information obtained by correspondence, and by estimates based upon the statistics reported by roads believed to be similar in character to those for which the facts were lacking.

In preparing summaries by cities and states it was in all cases attempted to show the number of passengers carried during a full year. Thus, if a company had been operating only 6 months at the time its report was made, the number of passengers carried was doubled before being inserted in the summaries. This mode of estimation, though open to criticism, is perfectly definite and is believed to be the best practicable.

In the tables which make up the body of this report, and which present the statistics of each road separately, the facts given are derived exclusively from the certified reports of responsible officers of the companies. Figures are sometimes omitted where they appear inconsistent or unreliable, but none are interpolated, except such as may be directly computed from those reported.

In the main the plan followed throughout these tables has been to set down whatever facts were reported by the various companies, even when certain other information pertaining to the same or to a different table was lacking. When, therefore, the entries for any road are incomplete, it is to be understood that either the information could not be obtained at all or that it was for some reason rejected.

It is to be noticed that the item of "interest", entered in the table of receipts and expenditures, is not necessarily the same as the interest on funded debt in the table relating to capital stock, etc. In the former case the item of interest frequently includes interest on current liabilities as well as interest on funded debt.

A similar remark applies to other items which are reported and compiled in more than one of the tables. They are set down as given by the company reporting, and the discrepancies which occasionally appear are explained, so far as the information obtained by correspondence is adequate, by foot notes. Such are the items "capital

stock outstanding" and "funded debt outstanding", which appear in Tables 6 and 8, and the item "cost of road and equipment", which appears in Tables 3 and 8. A comparison of Tables 7 and 9 reveals the fact that the companies do not interpret in a uniform manner the terms "taxes and licenses". Some include under this head all the expenditures grouped together in Table 9 and some do not. The great variety of the forms in which street railway companies keep their accounts renders these differences of classification unavoidable.

In collecting statistics of the length of street railways considerable difficulty arose from the ambiguity of such terms as "length of line", "length of single track", and "length of double track" when applied to street railways. For example, in the statistics collected by the railway commissioners of New York "length of line" means length of roadbed, or, what is usually the same thing, length of street occupied, while in the reports of the railway commissioners of Massachusetts the same term denotes length of all tracks except sidings; accordingly, in the case of a road having 10 miles of double track, the "length of line" in New York would be 10 miles and in Massachusetts 20 miles. On account of such ambiguities as this it was necessary to fix upon some definite nomenclature, and to attempt by careful explanation to secure returns in accordance with it.

As used in these tables, the term "length of line" means length of roadbed, or, in case of a railway running entirely upon streets, length of street occupied. In determining "length of all tracks" switches and sidings are included, and double track is reckoned as 2 tracks. Where the word "length" alone is used, length of line is to be understood.

SUMMARIES OF STATISTICAL TABLES.

The following is an outline of the statistical tables commencing on page 26:

STATISTICS FOR THE DECADE 1880 TO 1890.

Increase in length of street railways—
- In cities of over 50,000 inhabitants.
- By states and geographical divisions.

STATISTICS FOR THE CENSUS YEAR.

TABLE 1.—List of street railway companies reporting, showing length of line, motive power, and number of stockholders.

TABLE 2.—Description of road and equipment.
- Railways operated by animal power.
- Electric railways.
- Cable railways.
- Steam passenger railways.
- Railways using more than one kind of motive power, the statistics for the several kinds not being separable.

TABLE 3.—Cost of road and equipment.
- Railways operated by animal power.
- Electric railways.
- Cable railways.
- Steam passenger railways.
- Railways using more than one kind of motive power, the statistics for the several kinds not being separable.

TABLE 4.—Employés and wages.
- Railways operated by animal power.
- Electric railways.
- Cable railways.
- Steam passenger railways.
- Railways using more than one kind of motive power, the statistics for the several kinds not being separable.

TABLE 5.—Passenger traffic.
- Railways operated by animal power.
- Electric railways.

TABLE 5.—Passenger traffic—Continued.
- Cable railways.
- Steam passenger railways.
- Railways using more than one kind of motive power, the statistics for the several kinds not being separable.

TABLE 6.—Capital stock, funded debt, interest, and dividends.
- Railways operated by animal power.
- Electric railways.
- Cable railways.
- Steam passenger railways.
- Railways using more than one kind of motive power, the statistics for the several kinds not being separable.

TABLE 7.—Income and expenditure.
- Railways operated by animal power.
- Electric railways.
- Cable railways.
- Steam passenger railways.
- Railways using more than one kind of motive power, the statistics for the several kinds not being separable.

TABLE 8.—Balance sheet.
- Railways operated by animal power.
- Electric railways.
- Cable railways.
- Steam passenger railways.
- Railways using more than one kind of motive power, the statistics for the several kinds not being separable.

TABLE 9.—Taxes, licenses, and other public charges.
- Railways operated by animal power.
- Electric railways.
- Cable railways.
- Steam passenger railways.
- Railways using more than one kind of motive power, the statistics for the several kinds not being separable.

The arrangement of statistics for the census year requires some explanation. Table 1 is the fundamental table, and in it are found the most general facts relating to all companies reporting. The roads are arranged primarily by states in alphabetical order, and secondarily by cities in each state, also in alphabetical order. In all the remaining tables the distinction of motive power is made the primary basis of classification, the roads using each kind of motive power being secondarily arranged by states and cities, as in Table 1. The aggregate amounts in summary tables shown on pages 17 to 23, inclusive, for the several items of street railway traffic are the results obtained from the reports of such corporations as made a complete report for each respective exhibit. Such corporations as made only partial and incomplete reports are not included.

INCREASE IN LENGTH OF STREET RAILWAYS, 1880–1890.

This table shows for each state and for cities of over 50,000 inhabitants the length of street railways in each year from 1880 to 1890, inclusive. The increase shown is, therefore, for 10 years. It should be noticed, however, that the length of line given for 1890 is of date July 1, and that the increase of that year over 1889 is in reality for a period of only 6 months. Without understanding this fact it would be impossible to explain a smaller increase during 1890 than during 1889, since the construction of street railways never went on so rapidly as during the former year. The following summary shows the increase and per cent of increase in the length of street railways in the United States for each of the 10 years:

INCREASE AND PER CENT OF INCREASE IN THE LENGTH OF STREET RAILWAYS IN THE UNITED STATES, 1880–1890.

YEARS.	Total length. (Miles.)	INCREASE.	
		Miles.	Per cent.
10 years	.....	3,733.31	182.10
1880	2,050.16	.....	.....
1881	2,150.09	99.93	4.87
1882	2,342.20	192.11	8.93
1883	2,506.14	163.94	7.00
1884	2,680.31	174.17	6.95
1885	2,938.29	257.98	9.63
1886	3,268.58	330.29	11.24
1887	3,890.22	621.64	19.02
1888	4,499.49	609.27	15.66
1889	5,285.11	785.62	17.46
1890 (a)	5,783.47	498.36	9.43

a 6 months.

It will be seen that the increase during the 6 months of 1890 is relatively greater than for any other year of the decade. Comparing the first 5 years of the decade with the last 5, a still more striking result is observed. During the first 5 years the increase was 888.13 miles; during the last 5 it was 2,845.18 miles.

The following summary shows the increase and per cent of increase during the decade for each of the geographical divisions:

INCREASE AND PER CENT OF INCREASE IN THE LENGTH OF STREET RAILWAYS, BY GEOGRAPHICAL DIVISIONS.

GEOGRAPHICAL DIVISIONS.	LENGTH OF LINE.		INCREASE.	
	1890	1880	Miles.	Per cent.
The United States	5,783.47	2,050.16	3,733.31	182.10
North Atlantic	2,063.94	1,035.60	1,028.34	99.30
South Atlantic	465.93	135.96	329.97	242.70
North Central	1,867.93	508.46	1,359.47	267.37
South Central	773.05	242.63	530.42	218.61
Western	612.62	127.51	485.11	380.45

As might be expected, the Western division shows the greatest per cent of increase, and the North Central division the next greatest. The increase in the two southern divisions also shows rapid construction in those parts of the country.

A comparison among the principal cities based on the growth of their street railway systems during the 10 years is of considerable interest. The summary here given embraces all cities having a population of over 100,000 inhabitants:

INCREASE AND PER CENT OF INCREASE IN THE LENGTH OF STREET RAILWAYS IN CITIES OF MORE THAN 100,000 INHABITANTS.

CITIES.	LENGTH OF LINE.		INCREASE.	
	1890	1880	Miles.	Per cent.
Total	2,505.70	1,323.81	1,181.89	89.28
Baltimore, Maryland	100.57	46.54	54.03	116.09
Boston, Lynn, and Cambridge, Massachusetts	237.83	95.56	142.27	148.88
Brooklyn, New York	173.24	111.65	61.59	55.16
Buffalo, New York	44.30	25.44	18.86	74.14
Chicago, Illinois	193.11	80.47	112.64	139.98
Cincinnati, Ohio	67.90	48.18	19.72	40.93
Cleveland, Ohio	88.38	26.41	61.97	234.65
Denver, Colorado	79.12	8.00	71.12	889.00
Detroit, Michigan	59.25	26.56	32.69	123.08
Indianapolis, Indiana	45.00	15.00	30.00	200.00
Jersey city and Hoboken, New Jersey	46.65	15.40	31.25	202.92
Kansas city, Missouri	69.42	9.50	59.92	630.74
Louisville, Kentucky	84.42	39.25	45.17	115.08
Milwaukee, Wisconsin	52.75	11.41	41.34	362.31
Minneapolis, Minnesota	58.00	9.00	49.00	544.44
Newark and Elizabeth, New Jersey	62.59	37.54	25.05	66.73
New Orleans, Louisiana	112.59	81.89	30.70	37.49
New York, New York	180.56	130.55	50.01	38.31
Omaha, Nebraska	51.50	4.50	47.00	1,044.44
Philadelphia, Pennsylvania	276.94	258.17	18.77	7.27
Pittsburg and Allegheny, Pennsylvania	65.95	38.63	27.32	70.72
Providence, Rhode Island	44.95	35.30	9.65	27.34
Rochester, New York	35.83	13.02	22.81	175.19
Saint Louis, Missouri	115.25	63.29	51.96	82.10
Saint Paul, Minnesota	25.27	6.00	19.27	321.17
San Francisco, California	89.11	57.08	32.03	56.11
Washington, District of Columbia	45.22	29.47	15.75	53.44

The western cities again show the largest percentage of increase. Boston and its neighborhood shows, however, the greatest absolute increase, and Chicago is second. Nothing in the table is more notable than the surprising length of street railways already existing in Philadelphia in 1880. Making all allowance for the peculiarities of the street railway lines in that city, it appears to have been at that time far in advance of all others. Indeed, the comparative openness of Philadelphia and its consequent wide extent as compared with its population render the city peculiarly suited to an extensive development of street railways.

The summary just given furnishes a basis for a comparison of the relation between length of street railway lines and population in 1880 and 1890. The summary given on the following page shows the length for each 1,000 inhabitants at the beginning and at the end of the decade.

COMPARISON OF STREET RAILWAYS AND POPULATION, 1890–1880, FOR CITIES HAVING OVER 100,000 INHABITANTS.

CITIES.	1890			1880		
	Population.	Length of street railway line. (Miles.)		Population.	Length of street railway line. (Miles.)	
		Total.	Per 1,000 inhabitants.		Total.	Per 1,000 inhabitants.
Total	9,905,127	2,505.70	0.25	6,844,807	1,323.81	0.19
Baltimore, Maryland	434,439	100.57	0.23	332,313	46.54	0.14
Boston, Lynn, and Cambridge, Massachusetts	574,232	237.83	0.41	453,782	95.56	0.21
Brooklyn, New York	806,343	173.24	0.21	566,663	111.65	0.20
Buffalo, New York	255,664	44.30	0.17	155,134	25.44	0.16
Chicago, Illinois	1,099,850	193.11	0.18	503,185	80.47	0.16
Cincinnati, Ohio	296,908	67.90	0.23	255,139	48.18	0.19
Cleveland, Ohio	261,353	88.38	0.34	160,146	26.41	0.16
Denver, Colorado	106,713	79.12	0.74	35,629	8.00	0.22
Detroit, Michigan	205,876	59.25	0.29	116,340	26.56	0.23
Indianapolis, Indiana	105,436	45.00	0.43	75,056	15.00	0.20
Jersey city and Hoboken, New Jersey	206,051	46.65	0.23	151,721	15.40	0.10
Kansas city, Missouri	132,716	69.42	0.52	55,785	9.50	0.17
Louisville, Kentucky	161,129	84.42	0.52	123,758	39.25	0.32
Milwaukee, Wisconsin	204,468	52.75	0.26	115,587	11.41	0.10
Minneapolis, Minnesota	164,738	58.00	0.35	46,887	9.00	0.19
Newark and Elizabeth, New Jersey	219,594	62.59	0.29	164,737	37.54	0.23
New Orleans, Louisiana	242,039	112.59	0.47	216,090	81.89	0.38
New York, New York	1,515,301	180.56	0.12	1,206,299	130.55	0.11
Omaha, Nebraska	140,452	51.50	0.37	30,518	4.50	0.15
Philadelphia, Pennsylvania	1,046,964	276.94	0.26	847,170	258.17	0.30
Pittsburg and Allegheny, Pennsylvania	343,904	65.95	0.19	235,071	38.63	0.16
Providence, Rhode Island	132,146	44.95	0.34	104,857	35.30	0.34
Rochester, New York	133,896	35.83	0.27	89,366	13.02	0.15
Saint Louis, Missouri	451,770	115.25	0.26	350,518	63.29	0.18
Saint Paul, Minnesota	133,156	25.27	0.19	41,473	6.00	0.14
San Francisco, California	298,997	89.11	0.30	233,959	57.08	0.24
Washington, District of Columbia	230,392	45.22	0.20	177,624	29.47	0.17

It appears that, notwithstanding the rapid increase in the population of these cities, the street railway lines have sufficiently increased to make the length of line per thousand inhabitants nearly 32 per cent greater in 1890 than in 1880.

STATISTICS OF STREET RAILWAYS FOR THE CENSUS YEAR.

TABLE 1.—LIST OF COMPANIES REPORTING, SHOWING LENGTH OF LINE, MOTIVE POWER, AND NUMBER OF STOCKHOLDERS.

This is the first of the tables in which the statistics of individual street railway lines are given separately. There are 706 companies entered, many of which use more than one kind of motive power. If lines operated by the same company but using different kinds of motive power are regarded as distinct, there will be 787 lines, divided as follows: animal, 524; electric, 128; cable, 59 (including 9 cable inclines and 4 leased roads); steam, 76.

The unit of this table is the corporation, and accordingly street railways operated by a single corporation appear as one, although several kinds of motive power may be used. In all succeeding tables the statistics of such corporations are distinguished, as far as possible, on a basis of motive power, and scattered through the several divisions of each table accordingly. Besides the name of the corporation the following facts are given: length of line owned and of line operated, kinds of motive power used, date of corporate charter, number of stockholders, and period of time covered by its report. It happened in some cases that under date of corporate charter several dates were reported by 1 company. In such cases it was assumed that the latest date given represented the date of the charter under which the company was operating when it made its report.

It is important to understand that neither the "length of line owned" nor "length of line operated" given in this table is necessarily the same for any particular city as the total length of line assigned to the same city in the summaries. Length of line owned would be the same had complete reports been received from all companies owning line, but the total length of line operated often exceeds the total length of line in a city, for the reason that 2 companies operate the same line for a longer or shorter distance. This line makes part of the operated mileage of both companies, and to get the total mileage for the city by adding all operated mileage reporting would, therefore, involve a duplication.

The columns giving the two dates determining the time covered by the report of each company show that the period covered is not uniform. In most instances it closes on July 1, 1890, but in a considerable number on some other date, as, for example, on December 31, 1890. Although the reports close at various dates, no company is included in these statistics whose line was not in actual operation on July 1, 1890. All lines which were in operation on that date are embraced in this report, either in the tables or in the summaries including estimates already given.

Table 1 having given a comprehensive review of the roads reporting in their corporate capacity, the succeeding tables deal with their statistics more in detail.

TABLE 2.—DESCRIPTION OF ROAD AND EQUIPMENT.

In this table the classification of street railways by motive power is for the first time made the primary one. Besides the 4 classes, animal, electric, cable, and steam, a fifth is required, which includes those companies that use more than one kind of motive power but can not give the statistics for each separately.

The table shows the chief facts reported by the various roads under the head of "Description of road and equipment". Some of the facts, as "length of track", are of the same character for each kind of motive power; others, as the "number of dynamos", "length of cables", etc., are peculiar to some one kind of motive power.

It will be noticed that several of the most important cable and electric lines are included among those which use more than one kind of motive power and can not give separate statistics for each. The item "total weight of rail, estimated in tons of 2,000 pounds" represents an estimate prepared in the Census Office and based upon the weights of rail used by each company and the length of track laid with each weight. Its chief interest is in a comparison of the average weight of rail in use for the various kinds of motive power. The following table gives a comparative statement of the average weight per yard of rail for each class of lines:

STATEMENT SHOWING AVERAGE WEIGHTS OF RAIL.

MOTIVE POWER.	LENGTH—		Total weight of rail. (Tons of 2,000 pounds.)	Average weight per yard. (Pounds.)
	Of track. (Miles.)	Of rail. (Yards.)		
Total	7,438.76	26,184,435.20	574,938.56	43.91
Animal	4,583.20	16,132,864.00	332,263.93	41.19
Electric	1,013.52	3,567,590.40	76,526.81	42.90
Cable	422.89	1,488,572.80	39,417.91	52.96
Steam	621.28	2,186,905.60	49,299.90	45.09
Mixed and inseparable	797.87	2,808,502.40	77,430.01	55.14

Only those roads are included which report both length of track and weight of rail. The high average weight of rail shown in this table can not but surprise even those familiar with the tendency to the use of heavy rail both in constructing new lines and reconstructing old ones. It is probable that in no particular of street railway building have more important improvements taken place during recent years than in the weight and construction of rail.

In addition to the items shown in total above, the tables show in the case of every cable and electric road whether it was orginally built for cable or electricity or whether these motive powers were substituted for some other. They show also the per cent of rise in maximum grade and its length in feet, and in the case of cable roads the radius of the sharpest curve upon the line. The following is a classified comparative statement of the grades upon electric and cable roads reporting:

COMPARATIVE GRADES OF ELECTRIC AND CABLE RAILROADS.

ITEMS.	Electric railways.	Cable railways.
Maximum grade (per cent)	15.48	80.00
Number of roads reporting grades over 15 per cent	1	13
Number of roads reporting grades of from 12 to 15 per cent	2	2
Number of roads reporting grades of from 10 to 12 per cent	3	5
Number of roads reporting grades of from 5 to 10 per cent	66	13
Number of roads reporting maximum grades of 5 per cent and under	42	6

This statement points to the superiority of cable railways upon the steepest grades. One-half of the cable railways operate over grades of more than 10 per cent, that is, they have a rise of more than 10 feet in every hundred. On the other hand, only a small fraction of the electric railways have grades exceeding 10 per cent. The maximum grade upon electric railways is 15.48 per cent; on cable railways, 80.00 per cent. The statement embraces only cable railways of the usual kind, and does not include the cable inclines of Cincinnati, Pittsburg, and other cities.

In case of electric and cable railways the date of commencing operation is of considerable interest, and has in most cases been obtained. The following statement shows this information. In preparing the statement by years previously given those lines whose date of commencing operations was not reported were assigned to years from the best information available. The figures preceding the dates correspond with those in the first column of Table 1, showing the names of the companies.

DATE OF COMMENCING OPERATIONS.

ELECTRIC RAILWAYS.

No.	DATE.			No.	DATE.			No.	DATE.			No.	DATE.		
	Month.	Day.	Year.		Month.	Day.	Year.		Month.	Day.	Year.		Month.	Day.	Year.
71	April	1	1890	250	October	31	1889	384	April	28	1890	552	August	15	1888
79	May	17	1890	252	July	4	1889	386	September	25	1889	566	May	1	1890
83	December	24	1889	253	July	4	1888	391			1888	582	January	17	1890
84	February	6	1890	255	July		1890	406	January	1	1888	591			1888
87	May	1	1888	257	October	1	1889	415	July	24	1889	595	March	4	1890
90	September		1888	261	November	1	1888	425	January	3	1888	597	April	1	1888
104	March	5	1888	268	August	1	1889	468	July	3	1889	599	November	27	1888
109	October	17	1888	270	June	19	1889	481	November	29	1888	602	December		1888
110	April	25	1890	273	October	1	1889	487	June	22	1890	604	June	23	1890
121	August	23	1889	274	October		1889	488	March		1890	607	April	1	1888
123	October	5	1889	278	June	9	1889	489	March	1	1888	608	December	9	1889
125	June	1	1890	279	June	6	1890	492	November	3	1888	611	August	7	1889
126	June	16	1890	283	September	20	1889	495	February	10	1890	625	June	21	1890
150	September	1	1889	284	January	3	1890	496	June	2	1889	629	July	4	1889
151	December	4	1889	286	September	15	1889	497	August	5	1889	641	May	22	1889
156	October	16	1889	287	May		1887	500	December	7	1889	646	May	15	1890
157	October		1889	289	October		1886	501	May		1889	647	May	15	1890
158	September	15	1889	293	April	15	1890	503	December	19	1888	652	December	6	1889
160			1889	294	April	7	1887	504	August	7	1889	657	May	25	1890
174	August		1888	296	December	30	1889	508	April	7	1890	663	August	18	1889
181	August		1889	297	September	2	1888	519	July	1	1887	667	October	16	1888
182	July	1	1890	304	February	19	1890	521	August	8	1887	680	April	7	1889
191	November	7	1888	305	June	30	1889	523	December	23	1889	681	November	17	1889
193	August	12	1888	318	September	8	1889	525	January	15	1890	686	December	15	1888
195	October		1889	319	March	8	1890	526	May	23	1890	690	March	27	1888
202	November	28	1889	323	December	1	1889	529	December	12	1888	691	August	1	1886
205	April	6	1890	324	September	15	1889	536	January	1	1890	692	September	4	1889
222	April	1	1889	325	January	3	1889	543	May	27	1890	700	April	20	1890
228	June		1889	361	July		1889	550	January	14	1888	701	April	3	1890
247	May	17	1890	368			1887	551	July	1	1889	705	June	1	1890
249	April	5	1890												

CABLE RAILWAYS.

31	June	8	1889	83	December	22	1888	322	November		1889	499	March	12	1888
33	October	14	1885	112	May	1	1890	329	November	23	1887	540	February	22	1890
34	July	14	1886	142	January	14	1882	334	March	20	1888	572	May	25	1885
38			1886	145	March	26	1888	337	April	20	1890	579	February	24	1890
58	February	15	1878	147	July	1	1890	338	April	15	1886	580	January	1	1889
61	March	28	1888	212	April	24	1888	346	May	1	1889	592	October		1888
62	August	23	1879	291	April	18	1888	361	December		1887	613	January	1	1890
63	August	21	1883	304	January		1888	453	September	24	1883	677	March	13	1889
65	August		1889	315	September	15	1887	460	August	31	1885	678	September	29	1888
67	January	16	1882	317	June	20	1885	497	September	29	1887	679	April	6	1890
68	March		1877	318	May	1	1887	498	October	10	1886	683	September	1	1889
81	October		1889	321	May	28	1888								

TABLE 3.—COST OF ROAD AND EQUIPMENT.

Great pains were taken to procure returns of the cost of street railways in the belief that these returns would be the best means of determining the total amount of capital invested in this kind of transportation. It is well understood that the capital stock and funded debt outstanding may or may not represent an actual investment of capital. It is doubtless true that the records of cost are also in many respects an unsatisfactory guide, but it is believed that they answer the purpose much better than the returns of capital stock and funded debt. The summaries showing the total cost of street railways in the United States have already been given. The tables in the body of the report give the returns in detail for roads reporting. Besides the items of cost themselves, two deduced items have been calculated for each road reporting sufficient data, namely, cost of construction and real estate per mile owned, and the cost of equipment per mile operated. The fitness of assigning cost of construction and real estate to miles owned and cost of equipment to miles operated is obvious. Many roads own lines but no equipment, and many others which own equipment operate it over lines which they do not own.

The statistics of the cost of street railways are of interest also as the basis of important comparison between the statistics of the various kinds of motive power and the statistics of the cost of different items pertaining to the same kind of motive power.

The following table gives a comparative summary of cost of each of the five classes of roads making complete reports. It will be noticed that in this table cost of the road is given in two principal items, viz, "total cost of construction and real estate" and "total cost of equipment".

COMPARATIVE STATEMENT SHOWING COST PER MILE OF LINE.

ITEMS.	Animal.	Electric.	Cable.	Steam.	Mixed and inseparable.
Total cost of construction and real estate	$99,812,886.27	$14,074,049.13	$33,374,627.39	$35,777,187.03	$65,583,242.72
Miles of line to which this cost pertains	2,388.48	463.70	166.48	359.31	734.12
Cost of construction and real estate per mile	$41,789.29	$30,351.63	$200,472.29	$102,130.03	$89,275.86
Total cost of equipment	$22,344,285.14	$3,873,544.21	$3,827,436.62	$4,348,511.10	$12,022,589.54
Miles of line to which this cost pertains	2,473.56	464.93	167.13	361.83	855.43
Cost of equipment per mile	$9,033.25	$8,331.46	$22,900.96	$12,018.11	$14,054.09
Total cost per mile	$50,822.50	$38,683.09	$223,373.25	$114,148.19	$103,589.95

Any one who may compare the statistics of cost per mile given in this table with those given in a special report on the economy of motive power, based upon statistics of 50 lines of street railway, will see that the cost per mile obtained from the total number of roads reported is less for each kind of motive power than that shown in the report referred to. The reason is to be found in the fact that the roads included among the 50 lines of street railway selected were nearly all of recent construction and more costly than the average. It is probable that they represent more nearly the cost of the best type of construction than the figures which are now given.

TABLE 4.—EMPLOYÉS AND WAGES.

A statement of the total number of employés, distributed by cities, by states, and by motive power, has been included in the summaries previously given.

In the tables the length of time covered by the report of each road is given in connection with statistics of employés and wages, and much which can not be learned from the totals may therefore be learned by detailed study.

TABLE 5.—PASSENGER TRAFFIC.

The total number of passengers carried yearly in the United States in each state and in the principal cities has already been given in previous summaries. In the detailed tables this information is given separately for each road reporting, and in addition the following facts will be found: the total number of passengers per mile operated, the total receipts from passengers, the average fare, the number of miles run by cars, and the average receipts per car mile. The length of time covered by each report is also given, this item being frequently necessary to explain the small returns for certain roads. The following summaries show the totals for roads making full reports and the deductions from those totals:

COMPARATIVE DATA FOR USE IN CALCULATING AVERAGES—PASSENGER TRAFFIC.

ITEMS.	Animal.	Electric.	Cable.	Steam.	Mixed and inseparable.
Length of line (miles)	2,633.87	485.76	159.72	378.28	718.18
Car mileage	185,661,500	22,197,910	36,636,636	47,543,267	91,128,772
Number of passengers	822,299,620	64,774,254	176,998,753	249,629,285	461,472,773
Receipts from passengers	$39,076,227.42	$3,136,141.27	$7,833,167.39	$12,654,981.24	$22,798,848.28

DEDUCTIONS FROM COMPARATIVE DATA.

MOTIVE POWER.	Passengers carried per mile of line.	AVERAGE RECEIPTS FROM PASSENGERS.	
		Per passenger. (Cents.)	Per car mile. (Cents.)
Animal	312,202	4.75	21.05
Electric	133,346	4.84	14.13
Cable	1,108,182	4.43	21.38
Steam	659,006	5.07	26.62
Mixed and inseparable	642,559	4.94	25.02

It is somewhat surprising to note how much less is the average fare upon cable railways than upon any of the others. This is partly explained, however, by the fact that the cable roads are all in large cities where the fares are for the most part lower than in smaller towns. A considerable number of street railways still charge an average fare of more than 5 cents. This clearly appears from the following summary:

NUMBER OF ROADS WHOSE RECEIPTS FROM PASSENGERS AVERAGE OVER 5 CENTS.

Animal	81
Electric	20
Cable	5
Steam	28
Mixed	8
Total	142

The column showing passengers carried per mile of line shows a relation among the several kinds of motive power very similar to that arrived at in a special report upon the economy of motive power. The figures, however, are all considerably less, which is sufficiently explained by recalling the fact that the roads there given were selected as being the ones making most satisfactory returns. It is natural that such roads should show larger traffic averages. The smallness of the average receipts per car mile shown by electric railways is to be explained by the fact that these lines are for the most part new and the traffic upon them not yet developed.

TABLE 6.—CAPITAL STOCK, FUNDED DEBT, INTEREST, AND DIVIDENDS.

It is needless to say that the interest of these returns to investors and to others interested in the financial status of street railways centers in those tables which relate to capital stock and funded debt and to income and expenditure. It would be too much to claim that every fact presented in the tables is to be implicitly relied upon and that a true showing is made of the condition of every road. Notwithstanding the good will with which the companies have for the most part received the investigation, such a result, obtained with the time and means at the disposal of the census, would be incredible. It is true, however, that all the returns are signed by responsible officers of companies, that they comprise nearly all of the more important roads, and that every return has been minutely scrutinized and every doubtful point made the subject of searching inquiry.

In the case of these tables, as of all others, the most important results are to be gained only by a detailed examination. But little can be presented in totals.

The tables contain a statement of the total outstanding capital stock and funded debt of each road, and of the payments and accruals of dividends and interest upon this stock and debt.

The following summary covers only roads reporting the payment of dividends or interest, as the case may be, for a full year:

SUMMARY OF CAPITAL STOCK, FUNDED DEBT, DIVIDENDS, AND INTEREST.

ITEMS	Capital stock issued and outstanding.	Dividends declared.	Rate of dividends declared. (Per cent.)	Funded debt issued and outstanding.	Interest accrued.	Rate of interest paid. (Per cent.)
All motive powers	$163,506,544.50	$11,600,334.54	7.09	$103,494,259.99	$5,870,710.72	5.67
Animal	62,415,614.50	4,390,519.54	7.03	34,361,904.99	1,997,664.92	5.81
Electric	4,034,900.00	225,697.00	5.59	3,230,300.00	187,505.00	5.80
Cable	6,437,900.00	653,587.00	10.15	4,076,000.00	218,160.00	5.35
Steam	25,917,180.00	1,561,512.00	6.03	19,326,200.00	1,181,512.00	6.11
Mixed and inseparable	64,700,950.00	4,769,019.00	7.37	42,499,855.00	2,285,868.80	5.38

TABLE 7.—INCOME AND EXPENDITURE.

The following is a summary of the facts reported under the head of receipts and expenditures:

COMPARATIVE SUMMARY OF RECEIPTS AND EXPENDITURES.

ITEMS.	All motive power.	Animal.	Electric.	Cable.	Steam.	Mixed and inseparable.
Receipts:						
Grand total	$91,721,844.74	$38,403,748.62	$3,220,396.33	$3,798,414.36	$12,709,627.93	$33,589,657.50
From operation:						
Total	90,617,210.71	37,866,930.79	3,215,268.38	3,771,801.78	12,541,249.61	33,221,960.15
Passengers	89,711,829.39	37,536,924.08	3,125,871.49	3,718,541.80	12,464,962.10	32,865,529.92
Other sources	905,381.32	330,006.71	89,396.89	53,259.98	76,287.51	356,430.23
Rentals and miscellaneous	1,104,634.03	536,817.83	5,127.95	26,612.58	168,378.32	367,697.35
Expenditures:						
Grand total	87,388,006.65	37,066,110.78	2,994,802.27	3,476,075.55	11,700,492.06	32,150,525.99
Operating expenses	62,011,184.93	27,893,077.33	2,266,422.02	2,477,624.34	7,192,671.91	22,181,389.33
Fixed charges:						
Total	13,978,902.88	4,709,649.25	450,551.05	504,497.95	2,939,075.36	5,324,129.27
Rentals	2,561,342.50	615,232.01	19,436.55	1,525.30	288,631.00	1,636,517.64
Taxes and licenses	3,308,190.49	1,074,457.72	59,060.99	77,282.65	501,447.31	995,941.82
Interest	8,086,215.99	2,403,736.36	371,865.51	485,690.00	2,148,997.05	2,075,927.07
Miscellaneous	23,153.90	7,223.16	188.00			15,742.74
Payments from net income:						
Dividends	10,180,726.12	4,039,165.90	188,928.22	333,587.00	1,561,512.00	4,057,533.00
Miscellaneous	1,217,192.72	433,218.30	88,900.08	100,366.26	7,232.79	587,474.39
Total surplus for period of time covered	5,400,299.07	1,866,194.59	381,980.35	420,335.03	1,167,980.43	1,563,808.67
Total deficit for period of time covered	1,066,460.98	528,556.75	156,386.29	97,996.22	158,844.56	124,677.16
Net surplus for period of time covered	4,333,838.09	1,337,637.84	225,594.06	322,338.81	1,009,135.87	1,439,131.51

In this table we have in small compass a comprehensive view of the operations of street railways during the year covered by the census investigation.

An interesting deduction to be made from these figures is that showing the relation of the earnings of street railway lines to their operating expenses. A statement follows showing for each kind of motive power the per cent which operating expenses bear to operating earnings, and the resulting per cent of net earnings:

MOTIVE POWER.	Per cent of operating expenses to operating earnings.	Percentage of net earnings.
All motive powers	68.43	31.57
Animal	73.66	26.34
Electric	70.49	29.51
Cable	65.69	34.31
Steam	57.35	42.65
Mixed and inseparable	66.77	33.23

In this statement it appears that steam passenger railways show the largest per cent of net earnings. This is due solely to the very profitable character of the traffic of the elevated railways in New York city and Brooklyn. For example, the per cent of net earnings in the case of the Manhattan Elevated Railroad Company, which controls the lines of New York city, is 47.82 per cent. The ordinary surface dummy lines are not pecuniarily profitable.

The cable railways take second rank as regards percentage of net earnings; the railways operated by mixed power are third, the electric roads fourth, and animal power roads last. As regards the electric lines, too much weight must not be given to these per cents. A large proportion of the electric lines show deficits, which may be attributed for the most part to the fact that they had just begun operations.

TABLE 8.—BALANCE SHEET.

Although every street railway company in the United States was called upon to report its balance sheet to the Eleventh Census, a large proportion of the smaller roads were unable to give any satisfactory statement of this character. In preparing this table a very searching criticism was exercised over the reports received, and no statement was accepted which did not bear upon its face evidence of being a careful showing, prepared in good faith, of the situation of the company on the date of taking the balance. The more important companies are, however, nearly all included, and it would be approximately correct to assume that the total assets given are 81 per cent of the assets of all street railways in the United States. This would make the total $504,290,680.73.

SUMMARY OF BALANCE SHEET.

ITEMS.	All motive powers.	Animal.	Electric.	Cable.	Steam.	Mixed and inseparable.
Assets:						
Cost of road and equipment	$315,547,761.38	$121,283,493.18	$7,840,482.49	$15,353,698.21	$66,319,165.49	$104,750,922.01
Other permanent investments	46,830,823.07	5,920,962.22	357,309.23	410,646.48	21,781,166.54	18,360,738.60
Value of franchise	14,597,444.00	4,342,342.40	1,225,000.00	1,192,581.60	20,000.00	7,317,500.00
Bills and accounts receivable	7,538,199.98	1,877,493.47	46,666.67	24,453.05	3,488,918.53	2,100,668.26
Cash on hand	7,774,860.61	4,064,015.98	186,323.25	82,524.56	1,030,295.21	2,411,701.61
Supplies	2,157,292.37	801,314.45	31,724.75	73,261.64	346,130.64	904,860.89
Miscellaneous assets	10,418,987.83	1,783,546.33	870,033.43	857,035.13	2,151,117.59	4,757,255.35
Profit and loss	3,610,082.15	2,281,954.35	116,055.94	467,358.34	345,222.91	399,490.61
Total	408,475,451.39	142,855,142.38	10,673,595.76	18,461,559.01	95,482,016.91	141,003,137.33
Liabilities:						
Capital stock	211,277,798.08	77,492,738.29	5,702,687.67	8,775,854.53	44,465,533.34	74,840,984.25
Funded debt	151,872,289.01	49,226,234.01	3,486,200.00	5,584,500.00	44,369,000.00	49,206,355.00
Bills and accounts payable	16,325,347.08	4,926,246.03	1,163,022.84	299,653.41	1,525,841.55	8,410,583.25
Interest due	1,013,780.48	379,986.01	18,120.05	21,712.50	290,619.41	303,342.51
Dividends due	191,119.25	51,008.81	405.78	----------	45,268.90	94,435.76
Miscellaneous liabilities	12,838,218.52	2,366,366.04	156,284.27	2,754,730.59	2,674,488.79	4,886,348.83
Profit and loss	14,956,898.97	8,412,563.19	146,875.15	1,025,107.98	2,111,264.92	3,261,087.73
Total	408,475,451.39	142,855,142.38	10,673,595.76	18,461,559.01	95,482,016.91	141,003,137.33

The designation "value of franchise" was adopted as one of the items because certain companies were in the habit of including among their assets what they regarded as the value of their franchise, and could not furnish a balance sheet in any other form. The item, however, by no means represents the total value of the franchises of all the roads reporting.

As may readily be imagined, some embarrassment was encountered in adjusting the balance sheets returned by the various companies with the arbitrary form necessary for uniform tabulation. In most cases, however, the companies themselves adapted their balance sheets to the census schedules. In cases where important items appear under a heading somewhat different from that under which they were reported the matter is explained in a note.

The actual assets for the systems included in "Balance sheet" amount to $404,865,369.24, the liabilities to $393,518,552.42, which leaves $11,346,816.82 as actual profit and loss account to credit for the combined roads. "Profit and loss account" (either to credit or to debit) represents on the credit side the accumulated and undivided earnings, or income, etc.; on the debit side the actual losses.

TABLE 9.—TAXES, LICENSES, AND OTHER PUBLIC CHARGES.

That part of the statistical material collected by the census which concerns the relation of street railway corporations to the state and city as a political body is perhaps of more interest to administrators and students of municipal economy than any other. In addition to the facts shown in the summary below, inquiry was made regarding the duration and other provisions of franchises, and the plan in accordance with which taxes and licenses were assessed. The results of these inquiries, although of great interest, require very careful collation, and are reserved for an independent report.

The purpose of grouping under a single head all the contributions made by street railway companies to the bearing of public expense was to bring together in a succinct statement facts of much interest which otherwise would either not have appeared at all or been scattered. The following is a comparative summary of the various amounts reported under this head:

SUMMARY OF TAXES, LICENSES, AND OTHER PUBLIC CHARGES.

KINDS OF PAYMENT.	All motive powers.	Animal.	Electric.	Cable.	Steam.	Mixed and inseparable.
Total	$3,400,343.52	$1,746,236.11	$66,462.87	$85,086.76	$505,768.80	$996,788.98
General taxes	1,804,302.81	963,646.73	50,111.89	58,244.75	52,025.41	680,274.03
Specific taxes (on earnings, dividends, etc.)	1,229,890.85	561,777.91	10,797.00	13,877.51	452,128.09	191,310.34
Car licenses	217,810.99	112,581.12	3,223.75	11,078.18	559.35	90,368.59
Other licenses	37,129.67	30,701.55	419.85	1,886.32	1,055.95	3,066.00
Tolls over bridges and viaducts	72,016.58	48,891.11	1,500.00	.....	.....	21,625.47
Constructing and maintaining pavements not used by companies.	39,192.62	28,637.69	410.38	.....	.....	10,144.55

The question calling for sums spent in the construction and maintenance of pavements not used by companies would, it was supposed, draw out a statement of the amount expended under the ordinances in force in many cities requiring street railway companies to keep in repair either the whole pavement of the streets on which they run or some considerable part of it. The small sums reported under this head show, however, that it was in most cases impracticable to separate these expenditures from the ordinary expenditure for construction and maintenance.

As the amount of the contributions of street railways to the bearing of public expense is a question of peculiar interest to cities, a statement is appended giving an itemized summary of the amount of such expenses for 16 principal cities.

TAXES, LICENSES, AND OTHER MUNICIPAL CHARGES BORNE BY STREET RAILWAYS IN CITIES OF OVER 200,000 INHABITANTS.

CITIES.	Total.	General taxes.	Specific taxes.	Car licenses.	Other licenses.	Tolls over bridges and viaducts.	Constructing and maintaining pavements not used by company.
Total	$2,866,219.54	$1,414,797.13	$1,206,658.29	$189,416.12	$14,863.10	$17,299.46	$23,185.44
Baltimore, Maryland	225,136.31	72,415.58	151,145.35	1,491.08	84.30	.....	.....
Boston, Massachusetts	243,378.94	243,357.97	20.97	.....	.....	.....	.....
Brooklyn, New York	217,510.68	153,386.12	47,593.59	16,460.00	70.97	.....	.....
Buffalo, New York	17,297.20	12,638.78	4,658.42	.....	.....	.....	.....
Chicago, Illinois	170,797.18	131,198.97	.....	39,598.21	.....	.....	.....
Cincinnati, Ohio	59,004.02	19,277.50	27,452.32	10,356.20	1,978.00	.....	.....
Cleveland, Ohio	18,734.37	15,239.37	.....	600.00	.....	2,895.00	.....
Detroit, Michigan	31,854.06	21,354.06	10,500.00	.....	.....	.....	.....
Milwaukee, Wisconsin	7,378.49	5,338.49	.....	2,040.00	.....	.....	.....
New Orleans, Louisiana	127,038.75	116,518.75	1,000.00	2,500.00	7,020.00	.....	.....
New York, New York	1,091,814.82	352,973.75	686,669.78	49,671.29	1,000.00	1,500.00	.....
Philadelphia, Pennsylvania	338,329.15	84,945.83	207,489.98	45,385.34	508.00	.....	.....
Pittsburg, Pennsylvania	88,903.51	22,643.92	52,055.13	1,300.00	.....	12,904.46	.....
Saint Louis, Missouri	83,347.06	49,864.06	18,000.00	14,275.00	1,208.00	.....	.....
San Francisco, California	85,431.27	65,938.98	.....	5,739.00	2,992.83	.....	10,759.46
Washington, District of Columbia	60,203.73	47,705.00	72.75	.....	.....	.....	12,425.98

This table is interesting not only in the totals which it shows, but also as marking the prevalence of specific taxation in certain states, as New York, Pennsylvania, and Maryland. In this report, however, it is not proposed to take up the important and difficult questions necessarily arising from the relation of street railway companies to municipal government.

INCREASE IN LENGTH OF STREET RAILWAYS FOR THE DECADE, 1880 TO 1890.

IN CITIES OF OVER 50,000 INHABITANTS.

CITIES.	LENGTH OF LINE (STREET LENGTH) IN MILES.										1890	
	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Street length.	Track length.
Albany, New York	18.50	18.50	18.50	17.97	17.97	17.97	18.46	20.16	20.16	20.24	20.24	31.47
Atlanta, Georgia	15.48	15.48	22.98	23.58	24.78	24.78	24.78	26.98	26.98	28.93	47.42	51.84
Baltimore, Maryland	46.54	46.54	69.01	69.01	69.56	69.56	69.56	73.11	73.63	88.63	100.57	156.55
Boston, Lynn, and Cambridge, Massachusetts.	95.56	109.67	127.36	133.30	144.36	153.82	161.03	180.48	200.01	222.87	237.83	305.76
Brooklyn, New York	111.65	117.87	118.77	121.17	121.37	132.45	136.37	139.01	153.81	164.09	173.24	351.53
Buffalo, New York	25.44	25.95	27.56	29.10	29.10	29.90	33.42	36.80	39.71	42.30	44.30	60.27
Camden, New Jersey	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	11.96	14.12	15.00
Charleston, South Carolina	15.14	15.14	15.14	15.14	15.14	15.14	17.14	19.19	19.19	19.19	20.69	26.00
Chicago, Illinois	80.47	83.14	87.39	91.14	101.84	118.87	129.76	151.74	173.14	184.78	193.11	399.33
Cincinnati, Ohio	48.18	52.38	52.38	52.38	52.38	57.94	57.94	63.47	67.98	67.98	67.90	122.19
Cleveland, Ohio	26.41	26.41	26.73	32.84	37.43	40.43	41.18	46.43	51.95	58.70	88.38	158.88
Columbus, Ohio	18.50	18.50	18.50	18.50	19.25	19.25	19.25	19.75	19.75	20.50	21.00	84.75
Dayton, Ohio	9.75	13.25	13.25	13.25	13.25	13.25	13.25	13.25	13.25	18.16	23.60	44.95
Denver, Colorado	8.00	8.00	8.00	10.00	12.50	14.50	18.00	27.25	45.59	71.46	79.12	130.75
Des Moines, Iowa	3.50	4.00	5.00	5.50	7.50	8.50	9.00	10.00	14.00	20.48	20.24	28.81
Detroit, Michigan	26.56	26.84	26.84	26.84	30.02	30.02	37.96	45.51	47.61	56.95	59.25	79.54
Evansville, Indiana	4.50	4.50	4.50	7.50	7.50	7.50	7.50	7.50	9.50	21.40	21.40	28.50
Fall River, Massachusetts	4.05	6.17	6.17	6.17	8.19	8.76	11.64	11.84	11.94	11.94	12.29	17.38
Grand Rapids, Michigan	10.75	10.75	10.75	10.75	10.75	10.75	11.75	18.35	19.75	23.20	28.55	42.36
Hartford, Connecticut	9.25	10.80	12.05	12.05	12.05	12.05	12.05	12.05	12.05	16.80	18.00	26.00
Indianapolis, Indiana	15.00	18.00	22.00	23.00	25.00	27.00	28.00	29.00	33.00	41.39	45.00	70.00
Jersey city and Hoboken, New Jersey	15.40	15.40	15.40	15.40	15.50	17.05	21.21	21.21	21.84	44.14	46.65	78.25
Kansas city, Missouri	9.50	9.50	9.50	9.50	9.50	11.50	17.58	38.61	43.95	65.03	69.42	127.30
Lincoln, Nebraska						2.63	7.57	14.67	23.68	29.92	33.84	39.86
Los Angeles, California	11.03	11.03	11.03	13.75	13.75	17.29	18.82	41.14	69.95	80.35	78.23	113.16
Louisville, Kentucky	39.25	41.50	50.00	54.00	58.25	62.75	64.50	67.50	69.50	73.50	84.42	128.00
Lowell, Massachusetts	5.28	5.28	5.28	5.78	6.46	6.46	7.07	20.59	22.06	22.78	22.89	26.26
Memphis, Tennessee	15.00	17.50	20.00	22.50	25.00	27.50	30.00	35.00	35.00	35.00	35.00	46.00
Milwaukee, Wisconsin	11.41	11.41	18.42	18.87	19.20	19.67	19.83	24.84	31.94	47.27	52.75	97.06
Minneapolis, Minnesota	9.00	11.70	30.03	32.73	35.43	38.13	40.83	45.90	48.60	51.50	58.00	103.00
Nashville, Tennessee	4.63	4.63	4.63	4.63	4.63	4.63	4.63	17.83	20.83	34.93	44.00	57.31
Newark and Elizabeth, New Jersey	37.54	37.54	37.54	37.54	37.54	37.54	38.32	45.94	45.94	49.32	62.59	76.34
New Haven, Connecticut	16.75	16.75	17.25	17.60	17.60	17.60	17.60	17.60	19.75	20.55	20.85	26.08
New Orleans, Louisiana	81.89	87.09	87.34	97.09	97.09	97.09	97.09	100.34	100.34	100.34	112.59	153.14
New York, New York	130.55	130.55	130.55	130.67	134.57	154.01	160.60	173.55	174.65	176.72	180.56	377.42
Omaha, Nebraska	4.50	4.50	4.50	7.00	10.00	11.00	15.00	20.50	25.50	49.42	51.50	98.34
Paterson, New Jersey	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	14.00	14.00	14.00	17.00
Philadelphia, Pennsylvania	258.17	267.14	267.14	269.94	270.44	270.44	270.44	270.44	270.44	271.49	276.94	351.12
Pittsburg and Allegheny, Pennsylvania	38.63	41.50	43.90	45.25	45.25	46.25	46.67	50.37	57.85	64.80	65.95	110.50
Providence, Rhode Island	35.30	35.30	35.40	39.30	39.34	39.34	39.34	39.34	39.34	42.34	44.95	59.48
Reading, Pennsylvania	4.30	4.30	4.30	4.30	4.30	4.70	8.80	10.10	14.33	15.43	27.22	29.41
Richmond, Virginia	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	12.02	14.37	21.50	30.60
Rochester, New York	13.02	16.16	19.29	19.29	21.74	25.09	26.40	28.03	29.28	37.29	35.83	62.17
Saint Joseph, Missouri	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.80	13.07	13.38	22.88
Saint Louis, Missouri	63.29	68.97	71.82	71.82	74.89	77.63	88.83	89.83	90.83	92.83	115.25	192.45
Saint Paul, Minnesota	6.00	7.00	8.00	9.00	11.00	13.00	18.00	20.33	23.00	25.27	25.27	50.54
San Francisco, California	57.08	57.08	56.65	61.51	65.46	65.46	66.80	74.80	79.21	87.92	89.11	156.22
Scranton, Pennsylvania	10.50	10.50	10.50	10.50	10.50	10.50	12.75	14.75	17.00	17.00	25.00	30.00
Syracuse, New York	15.89	15.89	15.89	15.89	15.89	15.89	15.89	15.89	26.50	32.93	33.14	44.13
Toledo, Ohio	15.00	18.00	21.75	23.11	25.11	25.11	26.64	26.64	27.64	30.82	32.09	42.00
Trenton, New Jersey	1.63	1.63	1.63	1.63	1.63	4.63	5.63	6.63	7.63	12.50	12.50	18.25
Troy, New York	16.48	16.48	16.48	16.48	16.48	16.48	16.48	16.48	16.48	16.48	16.48	27.10
Washington, District of Columbia	29.47	29.47	29.47	32.52	32.52	32.52	32.52	32.52	34.22	38.77	45.22	83.00
Wilmington, Delaware	3.73	5.50	5.50	5.50	5.50	5.50	5.50	5.50	7.44	8.97	9.12	9.34
Worcester, Massachusetts	4.00	4.00	4.57	4.85	4.85	5.00	5.75	5.75	10.50	12.50	12.50	20.40

INCREASE IN LENGTH OF STREET RAILWAYS FOR THE DECADE, 1880 TO 1890—Continued.

BY STATES AND GEOGRAPHICAL DIVISIONS.

GEOGRAPHICAL DIVISIONS AND STATES.	LENGTH OF LINE (STREET LENGTH) IN MILES.										1890	
	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Street length.	Track length.
Grand total	2,050.16	2,150.09	2,342.20	2,506.14	2,680.31	2,938.29	3,268.58	3,890.22	4,499.49	5,285.11	5,783.47	8,123.02
North Atlantic—												
Maine	1.25	4.25	4.63	9.18	9.18	9.18	9.18	17.66	27.53	35.62	36.16	40.95
New Hampshire	2.80	2.80	11.24	11.24	11.33	11.33	14.69	17.63	19.43	22.55	24.86	26.62
Vermont						4.25	10.83	10.83	10.83	12.83	13.33	13.41
Massachusetts	149.41	169.59	191.02	198.91	227.60	257.77	306.01	347.77	405.55	452.69	484.58	650.34
Rhode Island	35.30	35.30	35.40	39.30	39.34	39.34	44.83	50.64	51.16	58.73	61.34	77.65
Connecticut	30.75	41.30	43.05	43.90	44.40	46.90	61.85	75.19	80.09	88.89	90.94	107.05
New York	385.39	395.26	404.02	418 57	427.57	478.95	502.69	558.43	601.06	659.26	679.33	1,168.14
New Jersey	78.98	78.98	78.98	78.98	79.08	83.63	92.18	107.80	115.43	152.98	171.09	230.83
Pennsylvania	342.72	354.56	359.56	368.62	375.71	383.89	397.56	419.41	444.62	467.33	502.31	636.81
Total	1,035.60	1,082.04	1,127.90	1,198.70	1,214.21	1,315.24	1,439.82	1,605.36	1,755.70	1,950.88	2,063.94	2,951.85
South Atlantic—												
Delaware	3.73	5.50	5.50	5.50	5.50	5.50	5.50	5.50	7.44	8.97	9.12	9.64
Maryland	46.54	46.54	60.01	60.01	60.56	60.56	60.56	72.11	73.63	90.63	102.57	158.55
District of Columbia	29.47	29.47	29.47	32.52	32.52	32.52	32.52	32.52	34.22	38.77	45.22	83.00
Virginia	7.81	7.81	7.81	7.81	11.46	11.69	11.69	19.10	32.47	45.07	59.17	76.05
West Virginia	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	15.33	21.56	26.45	30.23
North Carolina								6.93	13.28	15.62	16.19	17.71
South Carolina	17.30	17.30	17.30	17.30	17.39	17.39	19.39	21.44	21.44	25.44	27.19	34.25
Georgia	20.14	20.14	42.64	47.74	51.44	54.83	62.88	73.05	91.49	112.84	157.48	178.00
Florida		2.00	2.50	7.60	7.60	9.77	13.52	17.35	20.00	22.00	22.54	24.53
Total	135.96	139.73	185.20	198.45	206.35	212.19	225.94	258.88	309.30	380.90	465.93	611.96
North Central—												
Ohio	130.14	141.22	145.29	161.51	175.40	188.58	191.33	219.80	254.57	281.97	340.48	522.08
Indiana	35.14	38.14	43.89	51.13	54.46	76.95	83.36	95.16	113.58	144.31	155.90	197.31
Illinois	129.85	133.10	156.10	160.85	175.13	196.93	219.58	245.83	281.60	315.13	327.59	552.79
Michigan	58.26	58.54	59.79	61.04	66.72	75.98	91.78	113.86	121.42	147.52	162.64	209.70
Wisconsin	13.01	14.64	27.15	30.60	30.93	31.40	39.13	50.19	64.11	96.84	107.25	159.49
Minnesota	15.00	18.70	38.03	41.73	53.73	58.87	70.14	81.30	86.67	97.92	104.42	178.96
Iowa	43.02	45.91	48.91	55.76	66.17	70.17	72.33	81.84	114.27	134.01	143.65	175.47
Missouri	79.54	85.22	88.07	91.82	97.66	100.40	119.68	142.46	157.60	197.85	225.07	371.70
South Dakota					1.60	1.60	3.10	4.10	12.35	18.50	30.37	30.51
Nebraska	4.50	4.50	4.50	7.00	10.00	20.63	29.57	49.22	75.58	116.39	124.91	179.14
Kansas		2.75	11.50	15.50	30.00	35.14	48.74	116.53	126.77	139.92	145.65	176.42
Total	508.46	542.72	623.23	676.94	761.80	856.65	968.74	1,200.29	1,408.52	1,690.36	1,867.93	2,753.57
South Central—												
Kentucky	49.33	52.64	61.14	73.14	77.39	83.89	89.69	106.84	111.93	118.08	131.00	186.30
Tennessee	25.88	28.38	30.88	33.88	37.13	45.38	47.88	73.08	81.08	100.12	132.40	167.00
Alabama	22.25	22.25	22.25	22.25	25.25	40.09	56.01	78.95	95.30	120.05	139.06	160.72
Mississippi	4.25	4.25	4.25	5.25	5.25	6.25	10.00	10.00	13.00	14.75	18.25	20.78
Louisiana	83.39	88.59	88.84	98.59	98.59	98.59	98.84	102.09	102.09	102.09	114.34	155.14
Texas	44.59	46.59	51.69	62.75	80.00	87.50	102.35	121.07	136.45	175.46	185.19	213.79
Arkansas	12.94	13.19	13.19	18.44	18.44	23.69	25.69	37.29	44.89	50.59	52.81	64.94
Total	242.63	255.89	272.24	314.30	342.05	385.39	430.46	529.32	584.74	681.14	773.05	968.67
Western—							1.93	3.43	7.22	15.50	15.50	17.25
Montana								1.50	1.50	4.50	4.75	5.00
Wyoming								32.55	59.01	92.72	99.66	154.79
Colorado	10.00	10.00	10.00	12.00	15.70	17.70	21.20	3.30	3.30	3.30	3.50	3.77
New Mexico	1.80	1.80	3.30	3.30	3.30	3.30	3.30		6.00	6.00	6.00	6.00
Arizona								15.64	17.99	17.99	24.00	30.00
Utah	9.48	9.48	10.83	10.83	10.83	15.64	15.64	4.65	15.31	45.55	53.58	71.49
Washington								10.36	24.36	45.01	50.49	62.07
Oregon	1.75	1.75	3.25	7.79	7.79	7.86	9.36	224.94	306.54	351.26	355.14	486.60
California	104.48	106.68	106.25	113.83	118.28	124.32	152.19					
Total	127.51	129.71	133.03	147.75	155.90	168.82	203.62	296.37	441.23	581.83	612.62	836 97