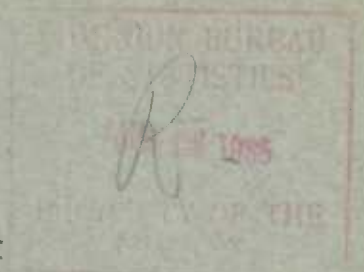


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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH

PRELIMINARY REPORT
ON
STATISTICS OF STEAM RAILWAYS
IN
CANADA
1934

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Minister of Trade and Commerce.

OTTAWA
1935

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION AND PUBLIC UTILITIES BRANCH
OTTAWA

Dominion Statistician, R.H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.).
Chief, Transportation and Public Utilities Branch, G.S. Wrong, B.Sc.

PRELIMINARY REPORT

ON

STATISTICS OF STEAM RAILWAYS

1934

During 1934 gross revenues of Canadian railways were greater each month than in 1933 and for the year amounted to \$300,837,816, as against \$270,278,276 for 1933; the latter was the low point since 1916. Operating expenses also showed an upward turn, increasing from \$233,133,108 in 1933 to \$251,999,667, and net operating revenues increased from \$37,145,168 in 1933 to \$48,838,149. The balance to the profit and loss account was a debit of \$100,777,992 as against a debit of \$117,339,379 in the preceding year. These include all interest, dividend, and sinking fund charges. Practically all items of revenues showed improvements over 1933, freight increasing from \$201,501,382 to \$227,277,477 and passenger receipts from \$31,880,577 to \$34,278,621. Also, all general operating expense accounts except traffic and transportation-water line showed increases, maintenance of equipment being greater by \$6,042,486, or 12.6 per cent, maintenance of way and structures by \$5,276,366, or 10.9 per cent, and transportation by \$6,367,700, or 5.7 per cent. Taxes were reduced from \$8,848,542 to \$8,768,945, no dividends were paid on common or preferred stock and one railway wrote off \$52,650 of preferred stock dividends which had accrued but were unpaid.

Of the 36 railways reporting, 11 failed to earn operating expenses and another earned operating expenses but not enough to pay taxes. This was an improvement over 1933 operations when 15 failed to earn operating expenses and 3 more failed to earn taxes also.

Interest charges amounted to \$118,913,986 or \$69,065 above the 1933 charges. The annual losses of the Canadian National railways are now being charged against the Dominion income and consequently the debt of the railway and annual interest charges are not being increased by such losses.

The improvement of 1934 over 1933 was not continued on into 1935 according to the monthly reports of the larger railways. At the end of May net operating revenues were \$2,879,986 below those of 1934.

During 1934 there was a net decrease in single track mileage operated of 65.7 miles, 37.7 miles of which was in Ontario. The tonnage of revenue freight carried increased by 10,672,480 tons, or 18.6 per cent, over the 1933 tonnage. Agricultural products showed a small increase but mine products were heavier by 5,278,149 tons, or 28.7 per cent, all commodities listed showing increases. Bituminous coal was heavier by 1,658,694 tons, or 21 per cent, and ores other than iron and copper increased by 1,074,930 tons, or 11.6 per cent; these latter are mostly short haul shipments. Forest

products increased from 6,264,957 tons in 1933 to 7,891,120 tons, all items showing substantial increases. Manufactures and miscellaneous showed an increase of 3,170,448 tons, or 22 per cent, all commodities except furniture, other paper and fish recording increases and the three losses were small.

Passenger traffic also showed recovery, passengers carried increasing by 7 per cent and passenger miles being greater by 10 per cent.

The number of employees increased from 121,923 for 1933, which was the smallest number employed since 1908, to 127,326, or by 4.4 per cent, and the pay roll was increased from \$158,326,445 to \$163,336,635, or by 3.2 per cent. The average wage for those on an hourly basis was 53.1 cents, ranging from 26.3 cents for maintenance of way and structures labourers to \$1.387 for road passenger engineers. Employees on daily, weekly, monthly or annual salaries averaged \$5.216 per day, ranging from \$18.127 for executives, general officers and assistants to \$2.254 for janitors and cleaners and \$2.234 for office boys, messengers, attendants and miscellaneous trades workers.

During the year 16 passengers were killed, 13 of them in train collisions. This record has been exceeded only once in the past 25 years. In 1919 collisions accounted for 21 deaths and, in 1918 and 1920, 13 passengers were killed in train collisions. There were also 76 passengers injured in train collisions, 19 from train derailments and 322 from other causes, making a total of 417 as against 306 in 1933. The number of employees killed in train accidents increased from 41 in 1933 to 43, of which 23 were trainmen, 9 were trackmen, 3 were stationmen and 7 were shopmen. The number of employees injured increased from 985 in 1933 to 1,119, trainmen constituting by far the greatest number, viz., 938, or 84 per cent. All injuries to passengers are included, no matter how slight, but for employees only injuries which keep the employee from his work for three days during the ten days following the accident are recorded.

Accidents at highway crossings showed a reduction in both fatalities and injuries. The number of persons killed was 74 which was the lowest since 1923. The number of persons injured, 227, was also the least since 1921. Motorists accounted for the majority of these accidents. During the year 63 motorists were killed, 52 of them at unprotected crossings and 11 at protected crossings, 2 of these at crossings protected by watchmen and 9 at crossings protected by electric bells. Two pedestrians were killed at crossings protected by gates and 3 pedestrians and 6 motorists were injured. In many cases motorists crash into lowered gates, breaking the gates and sometimes injuring themselves. Although these accidents are recorded as train accidents the motorist and pedestrian are not always blameless.

In railway accidents not resulting from the movement of trains, cars, or locomotives, which occur in shops, handling material, etc., 20 persons were killed, 14 of them being employees, and 4,094 were injured. The majority of these were trackmen handling rails, ties, etc.

The time absent from work by employees injured increased from 34,539 days in 1933 to 37,437 days in 1934 for injuries received in train accidents and from 86,803 days in 1933 to 110,197 days in 1934 for injuries received in non-train accidents. The average time absent from work for those injured in train accidents was 33 days and for those injured in non-train accidents was 27 days.

TRAIN ACCIDENTS

	1 9 3 3		1 9 3 4	
	Number Injured	Days Absent	Number Injured	Days Absent
Trainmen	806	28,735	938	29,037
Switch tenders, crossing tenders and watchmen	11	299	10	158
Stationmen	15	560	14	594
Shopmen	38	1,296	31	1,612
Trackmen	45	2,066	87	3,238
Telegraph employees	48	976	15	278
Other employees	22	607	24	2,520
Total	985	34,539	1,119	37,437

NON TRAIN ACCIDENTS

Stationmen	420	10,430	486	14,116
Shopmen	1,215	30,779	1,291	35,353
Trackmen	1,642	41,931	2,016	53,921
Other employees	147	3,663	267	6,807
Total	3,424	86,803	4,060	110,197

TABLE 1.

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1934.

No.	Name of Railway	Total Operating Revenues	Total Operating Expenses	Net Operating Revenues	Railway Tax Accruals	Uncollectable Railway Revenues
		\$	\$	\$	\$	\$
1.	Algoma Central & Hudson Bay	1,251,711.64	1,120,518.59	131,193.05	39,854.40	...
2.	Alma and Jonquiere	71,717.14	52,942.98	18,774.16	729.99	...
3.	Brandon, Saskatchewan & Hudson Bay	33,685.29	82,690.85	49,005.56	762.67	...
4.	British Yukon	148,011.98	95,947.91	52,064.07	8,756.87	...
5.	Canada and Gulf Terminal	65,255.68	66,353.33	1,097.65	2,802.25	...
6.	Canada Southern (Lessor)	12,452,568.67	7,694,930.21	4,757,638.46	237,312.92	8,914.92
7.	Canadian National	140,824,360.66	130,296,562.62	10,527,798.04	4,041,857.83	29,905.22
8.	Canadian Pacific	125,642,229.47	97,081,831.19	28,560,398.28	4,059,146.10	17,954.19
9.	Central Vermont	93,430.00	129,564.11	36,134.11	1,839.15	...
10.	Crow's Nest Southern	13,876.90	31,824.62	17,947.72	7,864.80	...
11.	Cumberland	156,609.32	113,319.99	43,289.33	3,250.00	...
12.	Eastern British Columbia	84,232.77	83,602.55	630.22	611.16	...
13.	Essex Terminal	162,968.11	112,553.19	50,414.92	16,523.29	321.92
14.	Greater Winnipeg Water District	157,577.30	111,006.11	46,571.19	...	...
15.	Maine Central	8,746.59	12,158.13	3,411.54	699.18	...
16.	Maritime Coal, Railway & Power Co.	113,085.04	58,391.14	54,693.90	1,512.74	...
17.	Midland Railway of Manitoba	188,066.33	293,432.67	105,366.34	28,476.52	...
18.	Morrissey, Fernie & Michel	18,016.23	18,039.53	23.30	3.54	...
19.	Napierville Junction	376,191.15	283,466.21	92,724.94	8,118.07	4.01
20.	Nelson and Fort Sheppard	97,836.49	84,105.30	13,731.19	12,329.23	...
21.	Nipissing Central	342,672.99	268,844.66	73,828.33	2,517.17	...
22.	Northern Alberta	1,923,859.62	1,271,891.02	651,968.60	52,146.76	17.52
23.	Ottawa and New York	132,485.79	202,596.88	70,111.09	13,377.40	82.54
24.	Pacific Great Eastern	658,962.47	533,429.64	125,532.83	...	616.81
25.	Pere Marquette	3,650,666.19	2,235,033.43	1,415,632.76	20,838.66	70.13
26.	Quebec Railway, Light & Power Co.	263,599.76	309,576.15	45,976.39	14,007.46	...
27.	Roberval and Saguenay	237,926.95	112,549.65	125,377.30	4,189.70	...
28.	St. Lawrence & Adirondack	409,284.82	528,902.59	119,617.77	3,911.84	254.98
29.	Sydney and Louisburg	1,486,971.57	1,146,005.06	340,966.51	4,782.75	...
30.	Temiscouata	187,512.48	184,197.06	3,315.42	5,720.62	...
31.	Temiskaming & Northern Ontario	3,840,744.23	2,812,496.69	1,028,247.54	...	...
32.	Thousand Islands	28,690.74	26,321.75	2,368.99	426.35	...
33.	Toronto, Hamilton & Buffalo	1,434,072.66	1,250,357.41	183,715.25	46,778.89	55.71
34.	Vancouver, Victoria & Eastern	262,670.79	276,731.11	14,060.32	126,785.15	...
35.	Wabash (in Canada)	4,008,545.51	3,010,627.51	997,918.00	1,031.54	...
36.	Winnipeg River	8,972.40	6,865.33	2,107.07	...	...
TOTAL		300,837,815.73	251,999,667.17	48,838,148.56	8,768,945.00	58,197.95
37.	Canadian National (Can. & U.S.)	164,902,501.66	151,936,078.56	12,966,423.10	5,241,857.95	16,813.28

x Does not include taxes of Toronto Terminals Railway, amounting to \$222,025.46, which are included under "Joint facilities rents" of Canadian National and Canadian Pacific Railways.

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1934

No.	Net Operating Income	Net Income from Outside Operations	Total Non-operating Income	Gross Corporate Income	Interest on Funded and Unfunded debt	All Other Non-operating Expenses	Total Non-operating Expenses	Net Corporate Income
	\$	\$	\$	\$	\$	\$	\$	\$
1.	91,338.65	...	66,574.00	157,912.65	526,625.00	176,310.11	702,935.11	545,022.46
2.	18,044.17	...	1,874.09	19,918.26	...	4,577.14	4,577.14	15,341.12
3.	49,768.23	...	17,281.38	32,486.85	...	11,258.96	11,258.96	43,745.81
4.	43,307.20	...	16,920.97	60,228.17	85,990.50	...	85,990.50	25,762.33
5.	3,899.90	...	1,661.05	2,238.85	57,000.00	8,550.00	65,550.00	67,788.85
6.	4,511,410.62	...	276,285.74	4,787,696.36	173,214.89	3,873,263.70	4,046,478.59	741,217.77
7.	6,456,034.99	37,017.07	10,306,026.78	16,799,078.84	91,025,737.88	11,274,614.33	102,300,352.21	85,501,273.37
8.	24,483,297.99	2,328,366.85	6,700,512.07	33,512,176.91	21,109,135.22	5,933,250.81	27,042,386.03	6,469,790.88
9.	37,973.26	...	8,076.09	29,897.17	18,072.18	15,276.69	33,348.87	63,246.04
10.	25,812.52	...	7,756.43	18,056.09	...	20,582.78	20,582.78	38,638.87
11.	40,039.33	...	...	40,039.33	...	3,821.32	3,821.32	36,218.01
12.	19.06	...	...	19.06	...	6,914.87	6,914.87	6,895.81
13.	33,569.71	...	24,358.02	57,927.73	13,878.89	...	13,878.89	44,048.84
14.	46,571.19	...	...	46,571.19	...	13,752.22	13,752.22	32,818.97
15.	4,110.72	...	68.73	4,041.99	2,849.00	208.22	3,057.22	7,099.21
16.	53,181.16	14,802.77	...	38,378.39	4,551.65	4,299.00	8,850.65	29,527.74
17.	133,842.86	...	18,480.11	115,362.75	...	113,257.21	113,257.21	228,619.96
18.	26.84	...	27.84	1.00	...	1.00	1.00	...
19.	84,602.86	...	452.03	85,054.89	0.31	54,595.52	54,595.83	30,459.06
20.	1,401.96	...	29,086.58	30,488.54	...	7,296.33	7,296.33	23,192.21
21.	71,311.16	...	943.21	72,254.37	...	7,500.63	7,500.63	64,753.74
22.	599,804.32	1,654.77	874,267.11	1,472,416.66	1,310,600.00	155,819.32	1,466,419.32	5,997.34
23.	83,571.03	...	5,561.23	78,009.80	1,604.14	55,674.24	57,278.38	135,288.18
24.	124,916.02	4,248.07	9,192.38	138,356.47	3,155,120.32	95,292.06	3,250,412.38	3,112,055.91
25.	1,394,723.97	...	10,511.26	1,405,235.23	301,866.15	1,013,820.45	1,315,686.60	89,548.63
26.	59,983.85	...	19,500.00	40,483.85	180,783.52	...	180,783.52	221,267.37
27.	121,187.60	...	2,982.09	124,169.69	93,100.00	18,949.05	112,049.05	12,120.64
28.	123,784.59	...	772.83	123,011.76	53,937.46	170,774.47	224,711.93	347,723.69
29.	336,183.76	...	...	336,183.76	...	59,956.22	59,956.22	276,227.54
30.	2,405.20	...	780.97	1,624.23	...	7,848.72	7,848.72	9,472.95
31.	1,028,247.54	...	36,791.88	1,065,039.42	551,903.74	200,118.53	752,022.27	313,017.15
32.	1,942.64	...	4,933.29	6,875.93	...	46.77	46.77	6,829.16
33.	136,880.65	...	195,413.67	332,294.32	248,014.73	83,730.25	331,744.98	549.34
34.	140,825.47	...	373,238.06	232,412.59	...	273,201.72	273,201.72	40,789.87
35.	996,886.46	...	...	996,886.46	...	597,371.65	597,371.65	399,514.81
36.	2,107.07	...	...	2,107.07	...	...	...	2,107.07
	40,011,005.61	2,353,174.45	19,010,329.89	61,374,509.95	118,913,985.58	24,261,934.29	143,175,919.87	81,801,409.97
7.	7,677,751.91	37,017.07	7,295,649.09	15,010,418.07	92,017,381.99	8,494,309.45	100,511,691.44	85,501,273.37

TABLE 2.

TRAIN MILEAGE FOR THE YEAR ENDED DECEMBER 31, 1934.

No.	Name of Railway	Miles of Road Operated		Mileage of Revenue Freight Trains	Mileage of Revenue Passenger Trains	Mileage of Revenue Mixed Trains		Special Revenue Train Mileage
		At Dec. 31st X	Average during Year †			‡ Freight	‡ Passenger	
1.	Algoma Central & Hudson Bay	322.77	323.75	122,635	...	88,503	18,127	...
2.	Alma and Jonquiere	10.60	10.60	...	...	12,009	2,082	...
3.	Brandon, Saskatchewan & Hudson Bay	84.72	84.72	14,674	2,443	2,678	2,017	276
4.	British Yukon	90.32	90.32	...	3,563	20,241	10,899	222
5.	Canada & Gulf Terminal	38.10	38.10	...	...	9,871	5,923	...
6.	Canada Southern (Lessor)	380.83	381.15	1,251,667	1,465,524	83,243	16,509	...
7.	Canadian National	21,758.84	21,934.75	18,112,900	14,020,824	3,123,071	845,253	20,578
8.	Canadian Pacific	16,596.51	17,015.00	16,229,481	14,970,330	2,190,441	405,866	9,270
9.	Central Vermont	25.33	25.33	8,760	50,808	...	...	...
10.	Crow's Nest Southern	33.75	53.32	66	2,213	4,113	1,503	...
11.	Cumberland	31.29	31.29	4,000	216	17,672	12,280	...
12.	Eastern British Columbia	13.04	13.04	...	...	8,951	726	...
13.	Essex Terminal	21.44	21.44	8,742	...	...	...	...
14.	Greater Winnipeg Water District	92.00	92.00	...	...	...	...	...
14a.	International Bridge & Terminal Co.	1.06	1.06	...	...	...	...	...
15.	Maine Central	5.10	5.10	50	...	2,904	295	...
16.	Maritime Coal, Railway & Power Co.	12.20	12.20	7,055	...	8,318	2,992	...
17.	Midland Railway of Manitoba	6.40	75.74	45,932	97,224	...	...	...
18.	Morrissey, Fernie & Michel	5.37	5.37	3,222	...	...	...	...
19.	Napierville Junction	27.15	41.74	23,875	95,788	...	...	14
20.	Nelson and Fort Sheppard	54.84	60.87	18,861	10,350	...	...	...
21.	Nipissing Central	59.74	59.74	30,780	44,582	26,692	7,043	...
22.	Northern Alberta	922.68	927.62	281,573	131,484	45,422	13,890	...
23.	Ottawa and New York	56.82	58.77	18,900	22,026	1,077	24,363	...
24.	Pacific Great Eastern	347.80	347.80	30,771	1,067	50,541	37,372	...
25.	Pere Marquette	198.63	319.13	738,397	...	81,378	9,376	224
26.	Quebec Railway, Light & Power Co.	25.37	25.37	18,066	11,531	...	...	...
27.	Roberval and Saguenay	29.04	29.04	6,858	1,218	12,042	1,832	...
28.	St. Lawrence & Adirondack	46.57	60.69	35,841	178,708	...	...	...
29.	Sydney and Louisburg	70.29	70.29	111,130	4,364	25,676	4,954	17,468
30.	Temiscouata	113.00	113.00	29,648	27,923	6,864	5,588	474
31.	Temiskaming & Northern Ontario	514.69	514.69	396,188	331,080	77,670	33,133	...
32.	Thousand Islands	4.51	4.51	9,795	14,988	...	...	...
33.	Toronto, Hamilton & Buffalo	103.62	111.03	84,503	112,756	17,780	4,030	...
33a.	Toronto Terminals	3.10	3.10	...	...	...	...	...
33b.	Van Buren Bridge Co.	0.28	0.28	...	...	...	...	...
34.	Vancouver, Victoria & Eastern	149.18	150.48	23,009	51,550	9,158	2,033	35
35.	Wabash (in Canada)	....	245.40	1,084,082	13,129	...	...	...
36.	Winnipeg River	13.40	13.40	3,300	...	...	...	...
37.	TOTAL	42,270.38	42,307.27	38,754,761	31,665,689	5,926,315	1,468,086	48,561
38.	Canadian National (Can. & U.S.)	23,475.23	23,675.91	21,466,660	16,027,908	3,299,640	876,784	25,461

X Track operated under frackage rights excluded.

† Track operated under frackage rights included in each railway but excluded in total.

‡ Divided on car mileage basis.

TONS AND PASSENGERS CARRIED AND CAR MILEAGE FOR THE YEAR ENDED DECEMBER 31, 1934.

No.	Total Revenue Train Mileage	Mileage of Non-Revenue Trains	Tons Carried	Tons Carried One Mile	Passengers Carried	Passengers Carried One Mile	Freight Car Miles		Total Passenger Train Car Miles
							Freight Loaded	Freight Empty	
1.	229,265	20,706	362,129	78,164,758	28,298	2,161,001	2,334,626	1,427,319	370,143
2.	14,091	...	104,834	1,111,240	12,320	130,592	43,298	29,356	14,091
3.	22,088	30	16,469	553,574	6,952	219,442	43,398	37,870	10,247
4.	34,925	1,556	12,186	978,874	10,715	483,666	114,066	62,453	117,559
5.	15,794	...	46,928	477,091	18,940	368,768	32,069	18,841	15,794
6.	2,816,943	17,691	5,020,872	744,286,284	633,236	101,081,463	50,237,357	29,292,027	16,514,369
7.	36,122,626	1,277,021	29,365,965	11,175,073,424	9,543,555	663,667,733	508,535,158	242,679,073	117,064,772
8.	33,805,388	480,444	25,606,063	10,026,441,098	7,592,802	684,557,710	427,610,000	209,696,832	110,610,473
9.	59,568	1,422	202,308	5,206,549	76,067	1,681,058	222,301	68,782	337,080
10.	7,895	...	9,957	672,053	1,750	76,475	20,214	12,183	15,654
11.	34,168	...	494,619	2,767,809	13,724	153,968	89,073	89,073	53,763
12.	9,677	227	227,106	2,846,815	1,361	17,109	59,628	59,700	9,727
13.	8,742	...	414,674	4,146,740	...	...	88,410	86,435	...
14.	...	...	228,772	...	10,580	553,437	...	...	...
14a.	...	...	...	...	...	...	...	...	...
15.	3,249	...	94,629	482,608	381	1,943	18,678	13,326	3,211
16.	18,365	...	181,204	1,624,164	9,917	71,936	37,176	40,068	15,080
17.	143,156	...	76,273	5,695,482	35,664	2,005,126	309,797	256,591	586,481
18.	3,222	...	100,042	537,225	...	...	10,740	10,740	...
19.	119,677	684	645,526	17,372,516	123,573	4,408,402	547,622	468,474	613,724
20.	29,211	920	40,860	1,695,190	10,283	277,302	71,695	44,946	11,750
21.	109,097	8,861	179,715	5,128,230	71,256	2,358,061	380,717	204,706	307,709
22.	472,369	11,748	545,358	139,182,557	60,772	6,513,692	5,615,207	3,048,458	1,230,795
23.	66,366	502	88,229	4,146,846	58,984	1,607,956	156,458	123,856	120,475
24.	119,751	53,120	62,779	7,561,378	40,510	2,613,719	516,203	308,804	406,897
25.	829,375	761	2,346,482	357,588,661	4,900	82,680	20,220,729	13,645,493	160,917
26.	29,597	1,424	124,443	2,326,027	941,173	9,258,029	101,525	88,949	1/ 387,842
27.	21,950	296	172,551	3,602,808	2,581	47,930	113,117	98,996	22,197
28.	214,549	1,546	326,699	9,608,530	591,046	10,046,675	433,852	330,032	661,355
29.	163,592	...	4,139,189	57,740,927	27,697	310,834	2,306,804	2,242,072	88,072
30.	70,497	2,809	125,412	4,724,559	24,605	717,325	233,410	160,384	132,944
31.	838,071	28,925	969,668	186,958,536	315,714	23,387,672	8,608,906	3,482,933	2,536,598
32.	24,783	...	2/	121,836	3,677	26,107	7,220	2,575	14,900
33.	219,069	1,004	1,348,355	49,886,916	188,982	6,891,837	1,832,472	1,189,240	817,622
33a.	...	...	...	...	...	...	...	...	...
33b.	...	...	...	...	...	...	...	...	...
34.	85,785	755	134,813	4,178,416	52,788	1,550,668	220,709	150,338	336,347
35.	1,097,211	1,110	1,918,472	417,561,310	14,459	3,280,646	28,527,383	16,166,488	143,042
36.	3,300	...	12,512	...	1,456	...	...	...	...
37.	77,863,412	1,913,562	4/ 68,036,505	23,320,451,031	20,530,718	1,530,610,962	1059,700,018	525,637,413	3/ 253,731,682
38.	41,696,453	1,313,474	36,966,232	12,949,545,743	10,079,911	723,058,814	598,030,613	297,329,663	130,763,038

1/ Exclusive of 332,559 electric passenger car miles.

2/ Included in Canadian National Railways.

3/ Exclusive of 10,311,309 passenger train car miles in freight trains, 216,278 passenger car miles in non-revenue trains, 2,372,055 car miles run by rail motor cars and 1,719,512 trailer miles in motor car trains.

4/ Duplications excluded.

TABLE 3.

EMPLOYEES AND THEIR COMPENSATION FOR THE YEAR ENDED DECEMBER 31, 1934

No.	Division	Average Number of Employees	Total Days on Duty	Total Hours on Duty	Compensation		
					Total for Year \$	Average Daily Compensation \$	Average Hourly Compensation \$
GENERAL AND MISCELLANEOUS							
1.	Executives, general officers and assistants	683	207,886	...	3,768,283.97	18.127	...
2.	Division officers	874	276,679	...	2,745,121.12	9.922	...
3.	Assistant engineers and draftsmen	398	121,929	...	833,731.46	6.833	...
4.	Other miscellaneous officials	1,228	371,917	...	2,911,193.73	7.822	...
5.	Clerks	13,243	4,061,872	...	17,343,757.00	4.270	...
6.	Telephone switchboard operators	220	66,998	...	173,024.97	2.657	...
7.	Office boys, messengers, attendants & misc. trades workers	973	290,541	...	649,060.53	2.234	...
8.	Janitors and cleaners	1,179	332,741	...	749,909.03	2.254	...
	Total Days	18,798	5,730,563	...	29,179,086.81	5.092	...
MAINTENANCE OF WAY AND STRUCTURES							
9.	Bridge and building department foremen	343	105,137	...	526,470.08	5.007	...
10.	Carpenters and bridgemen	1,735	...	4,238,466	2,219,572.40	...	.524
11.	Blacksmiths, pipe fitters, plumbers, tinsmiths & pump repairers	247	...	632,255	386,066.53	...	.611
12.	Masons, bricklayers, plasterers and painters	235	...	516,558	277,952.42	...	.538
13.	Helpers, B. and B. department	153	...	357,822	149,561.66	...	.418
14.	Apprentices, B. and B. department	27	...	67,066	24,566.37	...	.366
15.	Pile driver, ditching, hoist & steam shovel employees	237	...	652,617	348,740.06	...	.534
16.	Pumpmen	426	...	1,106,743	442,057.68	...	.399
17.	Extra gang and snow plough foremen	175	...	481,400	300,901.25	...	.625
18.	Signal foremen	22	7,057	...	50,899.81	7.213	...
19.	Section foremen	5,955	...	15,216,473	7,764,665.73	...	.510
20.	Sectionmen	16,138	...	38,150,780	13,844,062.68	...	.363
21.	Labourers	5,077	...	12,450,534	3,274,284.71	...	.263
22.	Foremen - Linemen	42	14,245	...	88,941.32	6.244	...
23.	Telegraph and telephone linemen and groundmen	91	...	224,930	107,133.22	...	.476
24.	Signal and interlocker maintainers and repairmen	392	...	1,030,317	609,286.65	...	.591
	Total Hours	30,888	...	75,125,966	29,748,851.36	...	.396
	Days	407	126,439	...	666,311.21	5.270	...
	Total	31,295	...	...	30,415,162.57	...	...
MAINTENANCE OF EQUIPMENT							
25.	General foremen	50	15,758	...	142,143.33	9.020	...
26.	Department and gang foremen	1,986	606,483	...	4,204,875.63	6.933	...
27.	Blacksmiths	577	...	1,004,820	680,415.75	...	.677
28.	Boilermakers	1,103	...	1,913,937	1,367,062.08	...	.714
29.	Carmen (a)	1,592	...	2,497,844	1,806,997.68	...	.723
30.	Carmen (b)	477	...	712,377	527,393.05	...	.740
31.	Carmen (c)	5,347	...	9,939,370	6,338,244.16	...	.638
32.	Carmen (d)	235	...	361,050	237,957.08	...	.659
33.	Electrical workers	727	...	1,436,155	950,846.32	...	.662
34.	Machinists	3,772	...	6,287,461	4,471,095.39	...	.711
35.	Moulders	96	...	143,742	108,857.27	...	.757
36.	Pipe fitters and sheet metal workers	842	...	1,370,766	578,220.77	...	.714
37.	Helpers to mechanics	5,738	...	10,174,107	5,166,895.23	...	.508
38.	Helper apprentices	21	...	43,621	18,853.36	...	.432
39.	Regular apprentices	1,166	...	1,738,849	957,708.23	...	.551
40.	Car cleaners	1,254	...	2,719,423	1,011,131.51	...	.372
41.	Other unskilled employees	2,798	...	6,711,433	2,470,267.25	...	.368

42. Unclassified labourers	2,413	...	4,502,619	1,608,671.59	...	.357
43. Stationary engineers, firemen and oilers	814	...	1,974,062	997,591.58	...	.525
Total	Hours	28,972	...	53,531,636	29,698,210.30	...	
	Days	2,036	622,241	...	4,347,018.96	6.986	
	Total	31,008	...	...	34,045,229.26	...
TRANSPORTATION							
44. Inspectors and sergeants of police	135	44,327	...	265,682.36	5.994	...	
45. Constables and policemen	559	181,900	...	818,142.35	4.498	...	
46. Storekeepers	221	69,390	...	389,272.91	5.610	...	
47. Storemen	1,361	...	2,818,733	1,232,754.72	...	.437
48. Train despatchers and traffic supervisors	429	...	1,099,942	1,180,540.65	...	1.073	
49. Supervisory agents and assistants	597	...	1,532,875	1,138,681.46	...	.743
50. Station agents, non-telegraphers (small station)	164	...	432,879	136,297.43	...	.315
51. Station agents- telegraphers and telephoners	4,963	...	12,558,742	7,867,884.27	...	.626
52. Signalmen (non-telegraphers) at interlockers	327	...	829,417	383,525.58	...	.422
53. Foremen in freight sheds	332	...	846,118	496,075.49	...	.586
54. Freight handlers and other station employees	3,619	...	7,841,646	3,327,408.48	...	.424
55. Labourers	357	...	848,564	251,284.64	...	.243
56. Dining car and restaurant inspectors, conductors & stewards	224	...	634,583	352,510.12	...	.555
57. Dining car and restaurant helpers and attendants	949	...	2,640,237	803,694.73	...	.304
58. News agents	9	2,862	...	6,487.83	2.267	...	
59. Floating equipment employees	492	...	1,673,126	582,871.36	...	.348
60. Sleeping and parlour car inspectors and conductors	145	...	381,988	233,348.89	...	.611
61. Sleeping and parlour car porters	770	...	2,149,864	720,095.60	...	.335
62. Drawbridge operators	84	...	220,579	103,912.08	...	.471
63. Signalmen or watchmen at crossings (non-interlocked)	600	...	1,553,087	529,530.41	...	.341
64. Yardmasters and assistants	295	98,224	...	777,833.72	7.919	...	
65. Switch tenders	338	110,071	...	449,990.34	4.088	...	
66. Hostlers	400	124,133	...	578,402.17	4.659	...	
67. Road passenger conductors	612	...	1,433,718	1,565,201.58	...	1.022	
68. Road freight conductors	1,532	...	4,105,858	3,637,882.61	...	.886
69. Road passenger brakemen, baggagemen & flagmen	1,382	...	3,077,749	2,394,796.87	...	.778
70. Road freight brakemen and flagmen	3,662	...	8,311,569	5,803,097.32	...	.698
71. Yard conductors and yard foremen	903	...	2,369,687	1,720,045.02	...	.726
72. Yard brakemen and helpers	2,120	...	4,795,940	3,229,181.08	...	.673
73. Road passenger engineers and motormen	790	...	1,692,268	2,347,387.15	...	1.387	
74. Road freight engineers and motormen	1,902	...	4,924,501	5,028,543.30	...	1.621	
75. Yard engineers and motormen	837	...	2,439,804	1,855,475.85	...	.761
76. Road passenger firemen and helpers	784	...	1,570,694	1,489,148.03	...	1.075	
77. Road freight firemen and helpers	2,188	...	4,897,710	3,789,463.86	...	.774
78. Yard firemen and helpers	893	...	2,431,297	1,441,788.51	...	.593
Total	Hours	33,018	...	80,113,175	53,883,105.19	...	
	Days	1,957	630,907	...	3,285,811.68	5.208	
	Total	34,975	...	...	57,168,916.87	...
79. Express department	2,228	644,515	...	2,972,487.68	4.612	...	
80. Radio department	...	...	...	...	...	...
81. Employees engaged in outside operations	9,022	...	22,755,006	9,555,751.73	...	.420
GRAND TOTAL	Hours	101,900	...	231,525,783	122,835,918.58	...	
	Days	25,426	7,754,665	...	40,450,716.34	5.216	
	Total	127,326	...	...	163,336,634.92	...
82. Total number of female employees (monthly average)	4,879	...	...	...	...	...
83. Total pay roll charged to operating expenses	...	...	...	156,755,213.89	...	...
34. Pullman, bridge and tunnel companies	Hours	309	...	888,668	379,070.77	...	
	Days	18	6,439	...	32,898.67	5.109	
	Total	327	...	...	411,969.44	...

TABLE 4.

RAILWAY ACCIDENTS

(1) Train Accidents Resulting from the Movement of Trains, Locomotives or Cars

Cause of Accident	Passengers		Employees		Postal Clerks & Other Persons		Total	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Coupling or uncoupling	-	-	2	45	-	-	2	45
Collisions	13	76	3	23	-	3	16	102
Derailements	-	19	6	34	5	18	11	71
Parting of trains	-	-	-	7	-	3	-	10
Locomotives or cars breaking down	-	-	-	2	-	-	-	2
Falling from trains, locomotives or cars	1	6	3	82	8	17	12	105
Getting on or off " " " "	-	100	4	216	28	88	32	404
Struck by trains, locomotives or cars-								
at Highway Crossings	-	-	(		X 74	X 227	(
at Stations	-	34	(17	39	10	4	(191	355
at other places on track	1	-	(		89	51	(
Overhead obstructions	-	-	-	1	-	-	-	1
Other causes	1	182	8	670	22	159	31	1,011
TOTAL	16	417	43	1,119	236	570	295	2,106
↓ Postal Clerks					1	62		
Other persons - trespassing					158	235		
not trespassing					77	273		
TOTAL					236	570		
X Struck at Highway Crossings-								
Pedestrians					5	6		
Motorists					63	211		
In other vehicles					6	10		
TOTAL					74	227		
Class of Employee	Killed		Injured					
	No.	No.	No.	Days absent				
Trainmen	23	938		29,037				
Switchtenders, crossing tenders, watchmen	-	10		158				
Stationmen	3	14		594				
Shopmen	7	31		1,612				
Trackmen	9	87		3,238				
Telegraph employees	-	15		278				
Other employees	1	24		2,520				
TOTAL	43	1,119		37,437				

(2) Non Train Accidents

Cause of Accident	Killed		Injured		Class of Employee	Killed		Injured	
	No.	No.	No.	No.		No.	No.	Days absent	
Handling traffic	-	275			Stationmen	1	486		14,116
Handling tools, machinery, etc.	5	937			Shopmen	4	1,291		35,353
Handling supplies	-	834			Trackmen	5	2,016		53,921
Getting on or off locomotives or cars at rest	-	90			Other employees	4	267		6,807
Other causes	15	1,958			TOTAL EMPLOYEES	14	4,060		110,197
TOTAL	20	4,094			Passengers	-	15		
					Postal Clerks	-	6		
					Other Persons	6	13		
					TOTAL	20	4,094		

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