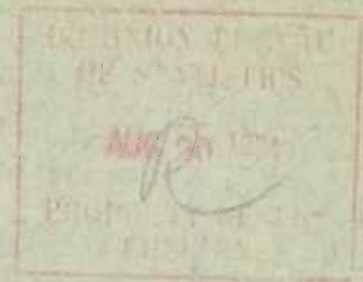


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**CANADA**

**DEPARTMENT OF TRADE AND COMMERCE**

**DOMINION BUREAU OF STATISTICS**

**TRANSPORTATION BRANCH**

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**PRELIMINARY REPORT**

**ON**

**STATISTICS OF STEAM RAILWAYS**

**IN**

**CANADA**

**1933**

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Minister of Trade and Commerce.

OTTAWA  
1934



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

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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.

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PRELIMINARY REPORT

ON

STATISTICS OF STEAM RAILWAYS

1933

Gross revenues of Canadian railways during 1933 amounted to \$270,278,276 which was less than half the revenues of 1928 and was the lowest since 1916. Freight traffic was also the lightest since 1915, amounting to 21,092,594,200 revenue ton miles, as against 23 billion in 1932 and 41.6 billion in 1928. Passenger traffic has been declining rapidly since 1928 and reached the lowest point at 1,393,041,245 passenger miles since 1907 when passenger miles were first recorded. The number of passengers carried, which is not directly comparable year by year because of duplications when two or more roads carry the same passenger, reached a low point since 1900 at 19,172,193 passengers. The monthly reports of the larger roads, however, indicated improvements during the second half of the year in both revenues and traffic and, with reductions in operating expenses, net operating revenues also picked up from May on.

Operating expenses were reduced from \$256,668,375 in 1932 to \$233,133,108 and were the lowest since 1918 when general increases in wages became effective. Net operating revenue amounted to \$37,145,168 and was greater than in 1932 by \$423,128. Railway taxes showed an increase over 1932 from \$8,541,870 to \$8,848,542, although they were lower than for any other year since 1924.

Of the 36 railways operating, 15 failed to earn operating expenses, 18 failed to earn operating expenses, taxes and uncollectable revenues and 23 reported corporate losses, including all income credits and debits. The net loss of all railways amounted to \$98,495,119 which included \$118,844,920 interest.

Data for the Winnipeg River Railway, which was a construction railway of the Manitoba Power Company but is operated as a common carrier, are included for the first time. The mileage of this railway was 13.40 miles and with this addition the total mileage was reduced from 42,436.81 miles on December 31, 1932, to 42,364.15 miles on December 31, 1933.

Tonnage of wheat alone decreased from 1932 traffic by 2,303,414 tons and all other agricultural products except corn, cotton and apples also showed decreases. Animal products increased from 2,180,459 tons to 2,319,026 tons, but mine products decreased from 19,503,194 tons to 18,382,039 tons, sand and gravel dropping from 1,402,078 tons to 677,865 tons. Forest products increased by 544,407 tons, or 9.5 per cent, cordwood and other firewood, pulpwood, lumber and other forest products all being heavier. Manufactures and miscellaneous freight amounted to 14,239,120 tons as against 14,502,258 tons in 1932. Gasolene decreased by 199,877 tons, or 14.7 per cent,



although the retail sales decreased only 3.3 per cent. Evidently a larger quantity was transported by boat and motor truck in 1933 than in 1932. Petroleum oils and other petroleum products except gasoline and asphalt also decreased by 69,726 tons, or 9.6 per cent. The large increases were 170,166 tons, or 29.3 per cent, in wood pulp, 160,865 tons, or 20.8 per cent, in automobiles and 179,819 tons, or 4.8 per cent, in miscellaneous unclassified freight.

The monthly average number of employees dropped from 132,678 in 1932 to 121,923 in 1933. This was the smallest staff working on Canadian railways since 1908 when the mileage was only 54 per cent of the 1933 mileage.

The pay roll chargeable to operating expenses amounted to \$145,581,043, or \$20,017,696 less than in 1932 and \$119,088,109 less than in 1928. The average wages per hour for those on an hourly basis was 54.4 cents as against 56.8 cents in 1932 and the average daily wage for those on a daily, weekly or monthly basis was \$5.390 as against \$5.606 in 1932. In 1930, or before the cuts in basic rates were made, the average hourly rate was 59.5 cents and the average daily rate was \$5.864. These averages are computed by dividing the total wages by the total time worked and consequently are not affected by short time worked.

During the year 8 passengers were killed in train accidents and 306 were injured. Fewer passengers were killed in 1932 and 1931, but this is the smallest number injured since 1919. A new low record for the past twenty-five years was established in the number of employees killed in train accidents with a total of 41. In 1932, 57 were killed; in 1931, 42; in 1930, 81, and in previous years above this up to 298 in 1913. There was an increase in employees injured from 957 in 1932 to 985; both these years, however, were well below the previous 20 years. Postal clerks, etc., trespassers and non-trespassers brought the total up to 260 persons killed and 1,851 injured in train accidents. Highway crossing accidents accounted for 78 persons killed and 247 injured. Of the fatalities, 11 were pedestrians, 61 were motorists and 6 were occupants of other vehicles. Fifteen of the total were killed at protected crossings and 63 at unprotected crossings and 46 persons were injured at protected highway crossings and 201 at unprotected crossings. Persons killed in railway accidents other than train accidents numbered 20 and 3,522 were injured, the majority of the injured being trackmen and shopmen. For the past two years data have been compiled showing the time absent from work for employees who were injured. The comparative figures are shown on page 3.

TRAIN ACCIDENTS

	1 9 3 2		1 9 3 3	
	No.	Days absent	No.	Days absent
Trainmen .....	805	25,126	806	28,735
Switch tenders, crossing tenders & watchmen .....	8	151	11	299
Stationmen .....	12	723	15	560
Shopmen .....	25	745	38	1,296
Trackmen .....	43	1,918	45	2,066
Telegraph employees .....	28	860	48	976
Other employees .....	36	757	22	607
Total .....	957	30,280	985	34,539

NON TRAIN ACCIDENTS

Stationmen .....	432	10,949	420	10,430
Shopmen .....	1,258	33,552	1,215	30,779
Trackmen .....	1,692	43,371	1,642	41,931
Other employees .....	292	7,660	147	3,663
Total .....	3,674	95,532	3,424	86,803

TABLE I.

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1933.

No.	Name of Railway	Total Operating Revenues	Total Operating Expenses	Net Operating Revenues	Railway Tax Accruals	Uncollectable Railway Revenues
		\$	\$	\$	\$	\$
1.	Algoma Central & Hudson Bay	990,420.68	964,710.26	25,710.42	40,285.02	..
2.	Alma and Jonquiere	27,648.81	32,129.22	- 4,480.41	796.05	..
3.	Brandon, Saskatchewan & Hudson Bay	36,774.67	80,680.37	- 43,905.70	861.05	..
4.	British Yukon	123,790.30	89,774.39	34,015.91	8,750.34	..
5.	Canada and Gulf Terminal	54,055.83	59,602.83	- 5,547.00	2,927.49	...
6.	Canada Southern	11,117,318.23	6,483,327.54	4,633,990.69	251,232.28	7,037.26
7.	Canadian National	126,701,228.43	122,572,229.97	4,128,998.46	4,020,644.66	98,955.68
8.	Canadian Pacific	113,998,657.51	89,251,849.19	24,746,808.32	4,144,275.12	11,458.08
9.	Central Vermont	102,562.00	142,150.13	- 39,588.13	1,936.42	...
10.	Crow's Nest Southern	6,784.95	28,618.62	- 21,833.67	7,794.82	...
11.	Cumberland	128,917.87	92,173.02	36,744.85	3,000.00	...
12.	Eastern British Columbia	76,532.04	89,689.22	- 13,157.18	539.30	...
13.	Essex Terminal	130,857.59	94,499.18	36,358.41	14,016.00	...
14.	Greater Winnipeg Water District	131,725.47	97,151.83	34,573.64	...	...
15.	Maine Central	7,574.12	9,975.69	- 2,401.57	702.42	...
16.	Maritime Coal Railway & Power Co.	99,447.04	56,191.47	43,255.57	1,511.80	...
17.	Midland Railway of Manitoba	171,038.15	314,372.78	- 143,334.63	28,538.81	....
18.	Morrissey, Fernie and Michel	14,182.02	21,455.48	- 7,273.46	5.90	....
19.	Napierville Junction	310,558.47	242,387.16	68,171.31	5,231.78	...
20.	Nelson and Fort Sheppard	65,524.42	71,081.75	- 5,557.33	12,385.63	...
21.	Nipissing Central	240,150.38	194,813.41	45,336.97	2,537.17	...
22.	Northern Alberta	1,504,352.47	1,201,306.36	303,046.11	60,822.53	42.15
23.	Ottawa and New York	119,010.82	176,914.70	- 57,903.88	12,584.54	...
24.	Pacific Great Eastern	557,980.52	480,998.42	76,982.10	...	...
25.	Pere Marquette	3,236,356.29	1,956,779.75	1,279,576.54	23,473.07	372.92
26.	Quebec Railway Light and Power Co.	238,969.48	285,390.41	- 46,420.93	12,167.47	...
27.	Roberval and Saguenay	226,816.53	119,825.28	106,991.25	4,201.39	...
28.	St. Lawrence and Adirondack	374,510.35	460,737.28	- 86,226.93	4,183.55	...
29.	Sydney and Louisburg	1,022,519.64	780,844.49	241,675.15	4,682.81	...
30.	Temiscouata	149,591.34	146,915.10	2,676.24	4,932.67	...
31.	Temiskaming & Northern Ontario	3,226,372.74	2,521,897.28	704,475.46	...	...
32.	Thousand Islands	24,248.58	25,667.61	- 1,419.03	409.18	...
33.	Toronto, Hamilton & Buffalo	1,230,218.82	969,182.73	261,036.09	41,108.04	448.66
34.	Vancouver, Victoria & Eastern	248,742.23	225,098.97	23,643.26	132,313.42	...
35.	Wabash (in Canada)	3,574,779.65	2,780,034.92	794,744.73	Cr. 308.37	...
36.	Winnipeg River	8,058.03	12,650.98	- 4,592.95	...	...
37.	Total	270,278,276.47	233,133,107.79	37,145,168.68	8,848,542.36	118,314.75
38.	Canadian National (Can. & U.S.)	148,519,742.43	142,812,559.22	5,707,183.21	5,270,248.18	106,271.49



## INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1933.

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
	\$	\$	\$	\$	\$	\$	\$	\$
	14,574.60	...	92,626.80	78,052.20	528,545.00	168,821.05	697,366.05	619,313.85
	5,276.46	...	1,755.50	3,520.96	...	535.79	535.79	4,056.75
	44,766.75	...	10,906.83	33,859.92	...	12,174.45	12,174.45	46,034.37
	25,265.57	...	16,570.63	41,836.20	85,990.50	...	85,990.50	44,154.30
5.	8,474.49	...	1,870.77	6,603.72	57,000.00	8,550.00	65,550.00	72,153.72
6.	4,375,721.15	...	279,252.74	4,654,973.89	116,868.87	4,057,136.29	4,174,005.16	480,968.73
7.	9,398.12	172,974.12	10,977,529.70	10,813,953.70	91,675,550.80	15,190,257.22	106,865,808.02	-96,051,854.32
8.	20,591,075.12	886,112.70	8,342,585.08	29,819,772.90	20,712,464.61	7,850,147.52	28,562,612.13	1,257,160.77
9.	41,524.55	...	11,106.02	30,418.53	20,166.26	16,234.55	36,400.81	66,819.34
10.	29,628.49	...	4,426.47	25,202.02	...	22,410.44	22,410.44	47,612.46
11.	33,744.85	...	...	33,744.85	...	4,603.30	4,603.30	29,141.55
12.	13,696.48	...	...	13,696.48	...	7,162.23	7,162.23	20,858.71
13.	22,342.41	...	23,871.53	46,213.94	17,425.71	...	17,425.71	28,788.23
14.	34,573.64	...	...	34,573.64	...	13,714.50	13,714.50	20,859.14
15.	3,103.99	...	31.90	3,072.09	2,849.00	191.17	3,040.17	6,112.26
16.	41,743.77	2,093.20	...	39,650.57	5,048.98	3,809.00	8,857.98	30,792.59
17.	171,873.44	...	30,898.49	140,974.95	...	119,112.53	119,112.53	260,087.48
18.	7,279.36	...	44.11	7,235.25	...	...	...	7,235.25
19.	62,939.53	...	405.22	62,534.31	0.12	46,658.60	46,658.72	15,875.59
20.	17,942.96	...	23,881.93	5,938.97	...	8,348.63	8,348.63	2,409.66
21.	42,799.80	...	3,318.27	46,118.07	...	148.00	148.00	45,970.07
22.	242,181.43	1,645.63	1,169,941.79	1,410,477.59	1,289,880.75	112,049.93	1,401,930.68	8,546.91
23.	70,488.42	...	5,760.79	64,727.63	...	49,681.92	49,681.92	114,409.55
24.	76,982.10	4,020.00	8,055.43	89,057.53	3,007,223.04	93,358.42	3,100,581.46	-3,011,523.93
25.	1,255,730.55	...	12,391.07	1,268,121.62	335,153.80	1,018,371.72	1,353,525.52	85,403.90
26.	58,588.40	...	...	58,588.40	...	...	...	58,588.40
27.	102,789.86	...	943.14	103,733.00	93,100.00	16,775.91	109,875.91	6,142.91
28.	90,410.48	...	1,097.82	89,312.66	48,962.82	172,818.68	221,781.50	311,094.16
29.	236,992.34	...	...	236,992.34	...	23,720.93	23,720.93	213,271.41
30.	2,256.43	...	1,169.00	1,087.43	...	6,320.87	6,320.87	7,408.30
31.	704,475.46	...	33,920.57	738,396.03	594,989.37	119,633.00	714,622.37	23,773.66
32.	1,828.21	...	353.57	1,474.64	...	49.13	49.13	1,523.77
33.	219,479.39	...	188,440.76	407,920.15	253,700.53	171,658.76	425,359.29	17,439.14
34.	108,670.16	...	376,522.35	267,852.19	...	247,803.16	247,803.16	20,049.03
35.	795,053.10	...	...	795,053.10	...	598,540.03	598,540.03	196,513.07
36.	4,592.95	...	...	4,592.95	...	...	...	4,592.95
37.	28,178,311.57	713,419.75	21,618,867.84	50,510,599.16	118,844,920.16	30,160,797.73	149,005,717.89	-98,495,118.00
38.	330,663.54	-172,974.12	7,396,127.46	7,553,816.88	92,721,539.41	10,884,131.79	103,605,671.20	96,051,854.00

TABLE 2.

## TRAIN MILEAGE FOR THE YEAR ENDED DECEMBER 31, 1933.

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	102,580	...	62,444	12,790	142
2.	Alma and Jonquiere	10.60	10.60	...	...	...	...	...
3.	Brandon, Sask. & Hudson Bay	84.72	84.72	14,171	...	2,205	3,662	2
4.	British Yukon	90.32	90.32	...	2,323	17,673	9,105	426
5.	Canada and Gulf Terminal	38.10	38.10	...	...	7,927	4,755	...
6.	Canada Southern	379.38	381.04	1,147,586	1,535,914	96,468	18,517	...
7.	Canadian National	21,785.83	21,941.17	15,964,829	14,007,319	3,015,743	853,074	17,204
8.	Canadian Pacific	16,640.10	17,030.10	14,735,198	15,144,380	2,279,934	411,931	5,859
9.	Central Vermont	25.33	25.33	13,098	50,736	...	...	...
10.	Crow's Nest Southern	33.75	53.32	...	9,839	3,216	2,007	...
11.	Cumberland	31.29	31.29	2,890	216	13,514	10,618	...
11a.	Detroit River Tunnel Co.	3.26	3.26	...	...	...	...	...
12.	Eastern British Columbia	13.04	13.04	...	...	8,996	782	...
13.	Essex Terminal	21.44	21.44	6,592	...	...	...	...
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	1,768	...	2,711	475	...
16.	Maritime Coal, Railway & Power Co.	16.40	16.40	7,232	...	6,400	4,751	...
17.	Midland Railway of Manitoba	6.40	75.74	44,956	97,157	...	...	134
18.	Morrissey, Fernie & Michel	5.37	5.37	...	...	2,025	123	...
19.	Napierville Junction	27.15	43.04	20,625	95,076	...	...	...
20.	Nelson and Fort Sheppard	54.84	60.87	18,202	14,380	...	...	...
21.	Nipissing Central	59.74	59.74	8,957	44,652	16,373	1,141	...
22.	Northern Alberta	922.68	927.62	220,749	130,072	45,197	14,083	1,088
23.	Ottawa and New York	56.82	58.77	18,720	45,512	...	...	...
24.	Pacific Great Eastern	347.80	347.80	34,409	1,010	45,628	26,136	1,068
25.	Pere Marquette	198.63	336.69	685,420	...	79,315	19,841	293
26.	Quebec Railway, Light & Power Co.	25.37	25.37	21,598	11,510	...	...	...
27.	Roberval and Saguenay	29.04	32.01	4,294	2,609	12,135	1,527	...
28.	St. Lawrence and Adirondack	46.57	60.69	33,917	174,727	...	...	359
29.	Sydney and Louisburg	70.39	70.39	84,070	4,364	23,526	5,802	14,224
30.	Temiscouata	113.00	113.00	20,568	30,772	10,875	4,919	388
31.	Temiskaming & Northern Ontario	531.69	531.69	339,035	312,394	68,778	39,634	...
32.	Thousand Islands	4.51	4.51	9,060	13,761	...	...	...
33.	Toronto, Hamilton and Buffalo	103.62	111.03	83,378	115,198	18,244	3,566	...
33a.	Toronto Terminals	3.10	3.10	...	...	...	...	...
33b.	Van Buren Bridge Co.	0.36	0.36	...	...	...	...	...
34.	Vancouver, Victoria and Eastern	149.18	233.70	23,734	51,056	13,182	5,124	70
35.	Wabash (in Canada)	...	245.40	980,339	47,352	...	...	...
36.	Winnipeg River	13.40	13.40	...	...	...	...	...
37.	Total	42,364.15	42,464.58	34,647,975	31,942,329	5,852,509	1,454,363	41,531
38.	Canadian National (Can. & U.S.)	23,490.80	23,743.11	19,094,866	16,052,377	3,180,381	880,448	20,796

x - Track operated under trackage rights excluded.

† - Track operated under trackage rights included for each railway but excluded in total.

δ - Divided on car mileage basis.



TONS AND PASSENGERS CARRIED AND CAR MILEAGE FOR THE YEAR ENDED DECEMBER 31, 1933.

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.	177,956	11,754	314,711	61,926,163	15,820	1,118,343	1,873,943	1,385,497	250,462
2.	...	...	23,779	...	...	...	...	...	...
3.	20,314	208	19,520	701,289	5,858	168,086	32,258	16,022	8,016
4.	29,527	1,106	11,720	959,908	6,160	290,681	95,062	57,042	94,050
5.	12,682	...	29,389	456,465	19,997	369,138	34,099	20,400	12,682
6.	2,798,485	3,111	3,982,736	627,662,708	553,570	97,811,160	45,208,058	27,729,325	17,155,834
7.	33,858,169	844,541	25,097,237	9,975,693,316	8,934,405	611,848,609	444,273,120	218,812,401	112,955,971
8.	32,577,302	432,300	22,019,834	9,353,117,592	7,173,527	613,760,424	386,788,886	190,239,744	106,106,076
9.	63,834	475	236,575	5,532,786	70,716	1,558,890	244,373	121,756	333,694
10.	15,062	237	3,799	345,978	1,438	58,399	11,565	5,805	30,192
11.	27,238	...	384,133	2,161,688	18,821	279,289	74,282	74,282	55,001
11a.	...	...	...	...	...	...	...	...	...
12.	9,778	234	203,615	2,556,292	2,249	28,197	56,136	55,986	9,752
13.	6,592	...	337,211	3,372,100	...	...	67,790	64,040	...
14.	...	...	185,266	...	7,416	374,889	...	...	...
14a.	...	...	...	...	...	...	...	...	...
15.	4,954	...	84,022	428,512	365	1,862	18,228	14,354	3,191
16.	18,383	...	160,395	1,565,025	9,104	64,720	33,754	35,923	14,872
17.	142,247	...	66,927	5,170,889	25,993	1,512,813	248,462	233,060	543,294
18.	2,148	...	58,752	315,498	2,700	14,499	8,110	8,110	966
19.	115,701	338	472,006	13,159,409	112,659	3,923,363	435,316	383,332	576,984
20.	32,582	986	33,575	1,379,579	7,989	200,004	62,255	38,385	15,655
21.	71,123	1,749	133,769	3,841,394	63,545	2,188,271	256,856	134,757	246,242
22.	41,189	9,972	427,530	100,786,808	54,609	5,448,717	4,034,447	1,945,373	1,164,236
23.	64,232	48	77,341	3,521,086	42,547	1,066,183	125,336	97,405	147,234
24.	108,251	33,919	60,396	7,127,054	33,053	2,252,392	489,224	303,127	309,090
25.	784,869	923	2,040,151	314,098,632	12,836	223,275	17,677,202	12,350,831	211,562
26.	33,108	1,094	55,681	770,906	864,339	8,392,622	49,252	37,010	1/ 55,869
27.	20,565	383	163,797	3,376,065	4,898	87,039	111,927	94,091	21,527
28.	209,003	666	235,694	7,327,490	582,386	10,107,012	347,017	277,987	667,089
29.	131,986	...	2,926,517	39,304,217	36,091	514,708	1,635,562	1,598,624	96,779
30.	67,522	2,248	98,250	3,754,036	21,126	661,645	183,236	130,328	119,817
31.	759,841	32,024	793,557	144,642,599	255,525	18,929,778	7,401,059	3,019,742	2,372,130
32.	22,821	...	2/	88,445	3,313	23,522	6,785	2,275	13,761
33.	220,386	548	1,125,657	42,449,081	168,756	6,116,412	1,596,786	1,083,720	776,815
33a.	...	...	...	...	...	...	...	...	...
33b.	...	...	...	...	...	...	...	...	...
34.	93,166	277	135,716	4,824,486	48,928	1,393,647	220,740	197,361	301,857
35.	1,027,691	310	1,623,487	360,176,704	10,325	2,252,656	26,541,692	16,322,821	284,128
36.	...	...	12,154	...	1,129	...	...	...	...
37.	73,938,707	1,379,451 <sup>4/</sup>	57,364,025	21,092,594,200	19,172,193	1,393,041,245	940,242,818	476,890,916	<sup>3/</sup> 244,954,828
38.	39,228,868	862,214	31,368,058	11,550,194,043	9,434,812	664,977,117	525,249,472	268,166,292	126,368,635

1/ Exclusive of 321,304 electric passenger car miles.

2/ Included in Canadian National Railways.

3/ Exclusive of 9,073,008 passenger train car miles in freight trains, 172,314 passenger car miles in non-revenue trains, 2,422,929 car miles run by rail motor cars and 1,840,993 trailer miles in motor car trains.

4/ Duplications excluded.

TABLE 3.

EMPLOYEES AND THEIR COMPENSATION FOR THE YEAR ENDED DECEMBER 31, 1933.

No.	Division	Average Number of Employees	Total Days on Duty	Total Hours on Duty	Compensation		
					Total for Year	Average Daily Compensation	Average Hourly Compensation
					\$	\$	\$
<b>GENERAL AND MISCELLANEOUS</b>							
1.	Executives, general officers and assistants	703	210,519	...	3,805,202.84	18.075	...
2.	Division officers	868	276,337	...	2,747,867.99	9.944	...
3.	Assistant engineers and draftsmen	445	134,503	...	963,806.75	7.166	...
4.	Other miscellaneous officials	1,350	408,682	...	3,164,354.24	7.743	...
5.	Clerks	13,316	4,053,140	...	18,023,643.84	4.447	...
6.	Telephone switchboard operators	220	66,487	...	183,403.26	2.758	...
7.	Office boys, messengers, attendants & misc. trades workers	958	280,282	...	622,084.05	2.219	...
8.	Janitors and cleaners	1,090	318,781	...	797,187.68	2.501	...
	Total .....	18,950	5,748,731	...	30,307,550.65	5.272	...
<b>MAINTENANCE OF WAY AND STRUCTURES</b>							
9.	Bridge and building department foremen	321	96,152	...	509,142.16	5.295	...
10.	Carpenters and bridgemen	1,636	...	3,879,741	2,160,172.66	...	.557
11.	Blacksmiths, pipe fitters, plumbers, tinmiths & pump repairers	235	...	591,853	382,107.93	...	.646
12.	Masons, bricklayers, plasterers and painters	185	...	396,306	223,123.87	...	.563
13.	Helpers, B. and B. department	107	...	253,730	109,919.70	...	.433
14.	Apprentices, B. and B. department	18	...	39,312	15,297.41	...	.389
15.	Pile driver, ditching, hoist & steam shovel employees	221	...	542,265	296,947.16	...	.548
16.	Pumpmen	432	...	1,102,960	466,187.93	...	.423
17.	Extra gang and snow plough foremen	121	...	322,261	209,331.44	...	.650
18.	Signal foremen	22	6,790	...	50,437.41	7.428	...
19.	Section foremen	5,979	...	15,298,274	8,183,508.92	...	.535
20.	Sectionmen	14,771	...	35,293,704	13,606,162.88	...	.376
21.	Labourers	3,255	...	7,784,332	2,117,084.48	...	.272
22.	Foremen - Linemen	46	13,981	...	91,002.30	6.509	...
23.	Telegraph and telephone linemen and groundmen	79	...	202,052	97,575.89	...	.483
24.	Signal and interlocker maintainers and repairmen	382	...	993,370	618,543.35	...	.623
	Total .....	27,421	...	66,700,160	28,485,972.62	...	.427
	Hours	389	116,923	...	650,581.87	5.564	...
	Days	27,810	...	...	29,136,554.49	...	...
<b>MAINTENANCE OF EQUIPMENT</b>							
25.	General foremen	48	14,680	...	134,092.03	9.134	...
26.	Department and gang foremen	1,983	600,526	...	4,245,398.44	7.069	...
27.	Blacksmiths	583	...	966,790	655,947.81	...	.678
28.	Boilermakers	1,079	...	1,734,724	1,258,656.11	...	.726
29.	Carmen (a)	1,529	...	2,255,507	1,631,248.99	...	.723
30.	Carmen (b)	456	...	622,801	459,961.98	...	.739
31.	Carmen (c)	5,098	...	9,125,808	5,995,736.86	...	.657
32.	Carmen (d)	234	...	323,466	214,501.92	...	.663
33.	Electrical workers	714	...	1,365,285	932,456.45	...	.683
34.	Machinists	3,655	...	5,658,864	4,086,197.24	...	.722
35.	Moulders	94	...	119,492	89,752.43	...	.751
36.	Pipe fitters and sheet metal workers	826	...	1,215,370	877,593.89	...	.722
37.	Helpers to mechanics	5,626	...	9,218,495	4,307,357.26	...	.521
38.	Helper apprentices	21	...	32,134	15,799.73	...	.492
39.	Regular apprentices	1,111	...	1,459,724	808,437.46	...	.550
40.	Car cleaners	1,276	...	2,746,505	1,075,911.82	...	.392
41.	Other unskilled employees	2,787	...	6,560,296	2,543,235.81	...	.388



42. Unclassified labourers	2,338	...	3,942,916	1,459,376.39	...	...	.370
43. Stationary engineers, firemen and oilers	822	...	1,975,450	1,050,609.22	...	...	.532
Total .....	28,249	...	49,333,627	27,962,753.17	...	...	.567
Hours	28,249	...	...	...	...	...	...
Days	2,031	615,206	...	4,379,490.47	7.119	...	...
Total	30,280	...	...	32,342,253.64	...	...	...
<b>TRANSPORTATION</b>							
44. Inspectors and sergeants of police	136	45,105	...	282,871.74	6.271	...	...
45. Constables and policemen	586	191,503	...	893,512.10	4.666	...	...
46. Storekeepers	137	42,853	...	254,496.51	5.939	...	...
47. Storemen	1,310	...	2,518,227	1,153,510.44	...	...	.458
48. Train despatchers and traffic supervisors	430	...	1,098,480	1,167,200.21	...	...	1.063
49. Supervisory agents and assistants	605	...	1,546,316	1,161,144.49	...	...	.751
50. Station agents, non-telegraphers (small station)	176	...	456,618	146,616.91	...	...	.321
51. Station agents- telegraphers and telephoners	5,003	...	12,431,422	7,842,213.89	...	...	.631
52. Signalmen (non-telegraphers) at interlockers	353	...	897,396	416,206.07	...	...	.464
53. Foremen in freight sheds	321	...	813,298	503,625.97	...	...	.615
54. Freight handlers and other station employees	3,351	...	7,120,219	3,144,674.09	...	...	.442
55. Labourers	332	...	715,189	251,639.07	...	...	.352
56. Dining car and restaurant inspectors, conductors & stewards	230	...	656,850	390,022.32	...	...	.594
57. Dining car and restaurant helpers and attendants	885	...	2,433,341	778,483.17	...	...	.320
58. News agents	9	2,729	...	6,163.38	2.258	...	...
59. Floating equipment employees	513	...	1,747,784	618,557.58	...	...	.354
60. Sleeping and parlour car inspectors and conductors	144	...	378,154	239,360.17	...	...	.633
61. Sleeping and parlour car porters	752	...	2,095,307	731,034.79	...	...	.349
62. Drawbridge operators	87	...	225,290	110,086.33	...	...	.489
63. Signalmen or watchmen at crossings (non-interlocked)	645	...	1,667,015	595,214.74	...	...	.357
64. Yardmasters and assistants	287	94,825	...	773,855.41	8.151	...	...
65. Switch tenders	337	106,677	...	432,089.95	4.050	...	...
66. Hostlers	394	123,004	...	570,939.43	4.642	...	...
67. Road passenger conductors	634	...	1,506,082	1,746,860.40	...	...	1.027
68. Road freight conductors	1,425	...	3,672,127	3,210,132.59	...	...	.874
69. Road passenger brakemen, baggagemen & flagmen	1,422	...	3,157,984	2,375,916.15	...	...	.752
70. Road freight brakemen and flagmen	3,401	...	7,361,710	5,087,032.50	...	...	.691
71. Yard conductors and yard foremen	864	...	2,159,607	1,556,133.01	...	...	.721
72. Yard brakemen and helpers	1,985	...	4,367,077	2,909,810.83	...	...	.666
73. Road passenger engineers and motormen	824	...	1,734,793	2,323,151.28	...	...	1.339
74. Road freight engineers and motormen	1,759	...	4,460,572	4,432,521.45	...	...	.994
75. Yard engineers and motormen	792	...	2,212,995	1,666,081.95	...	...	.748
76. Road passenger firemen and helpers	822	...	1,605,815	1,661,840.54	...	...	1.035
77. Road freight firemen and helpers	2,032	...	4,428,739	3,338,931.74	...	...	.754
78. Yard firemen and helpers	835	...	2,213,632	1,291,353.37	...	...	.583
Total .....	31,938	...	75,687,039	50,639,362.05	...	...	.669
Hours	31,938	...	...	...	...	...	...
Days	1,886	606,696	...	3,213,928.52	5.297	...	...
Total	33,824	...	...	53,853,290.57	...	...	...
79. Express department	2,234	640,855	...	3,097,430.18	4.833	...	...
80. Radio department	13	3,610	...	25,150.00	6.967	...	...
81. Employees engaged in outside operations	8,812	...	22,735,793	9,564,215.80	...	...	.421
GRAND TOTAL .....	96,420	...	214,456,619	116,652,313.64	...	...	.544
Hours	96,420	...	...	...	...	...	...
Days	25,503	7,732,021	...	41,674,131.69	5.390	...	...
Total	121,923	...	...	158,326,445.33	...	...	...
82. Total number of female employees (monthly average)	4,750	...	...	...	...	...	...
83. Total pay roll charged to operating expenses	...	...	...	145,581,042.89	...	...	...
84. Pullman, bridge and tunnel companies ...	294	...	840,484	350,470.08	...	...	.417
Hours	294	...	...	...	...	...	...
Days	18	6,424	...	28,604.08	4.453	...	...
Total	312	...	...	379,074.16	...	...	...



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	-	-	1	37	-	-	1	37
Collisions	-	5	6	17	-	1	6	23
Derailments	-	21	5	34	1	3	6	58
Parting of trains	-	-	-	1	-	-	-	1
Locomotives or cars breaking down	-	-	-	7	-	-	-	7
Falling from trains, locomotives or cars	1	7	4	75	2	7	7	89
Getting on or off trains, " " "	3	88	4	192	36	111	43	391
Struck by trains, locomotives or cars-								
at Highway Crossings	-	-	(		x 78	x 247	(	
at Stations	3	16	( 15	23	5	8	( 172	345
at other places on track	1	-	(		70	51	(	
Overhead obstructions	-	-	1	2	-	-	1	2
Other causes	-	169	5	594	19	135	24	898
TOTAL	8	306	41	982	121	563	260	1,851
Postal clerks					2	39		
Other persons - Trespassing					147	278		
Not trespassing					62	243		
TOTAL					211	560		
x Struck at Highway Crossings								
Trainmen					-	4		
Pedestrians					11	6		
Motorists					61	222		
In other vehicles					6	15		
TOTAL					78	xx 247		
Class of Employee	Killed	Injured		xx - Including 3 trainmen riding on a speeder struck by an automobile.				
	No.	No.	Days absent†					
Trainmen	24	806	28,735					
Switchtenders, crossing tenders, watchmen	-	11	299					
Stationmen	-	15	560					
Shopmen	2	38	1,296					
Trackmen	14	45	2,066					
Telegraph employees	-	48	976					
Other employees	1	22	607					
TOTAL	41	985	34,539					

(2) Non Train Accidents

Cause of Accident	Killed	Injured	Class of Employee	Killed			Injured		
				No.	No.	Days absent†	No.	No.	Days absent†
Handling traffic	2	259	Stationmen	2	420	10,430			
Handling tools, machinery, etc.	1	746	Shopmen	2	1,215	30,779			
Handling supplies	-	692	Trackmen	7	1,642	41,931			
Getting on or off locomotives or cars at rest	-	99	Other employees	1	147	3,663			
Other causes	17	1,726	TOTAL EMPLOYEES	12	3,424	86,803			
TOTAL	20	3,522	Passengers	-	13				
			Postal clerks, etc.	2	29				
			Other persons	6	56				
			TOTAL	20	3,522				



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