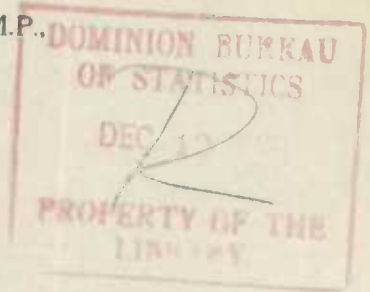


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Minister of Trade and Commerce.



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

---

**PRELIMINARY REPORT**  
**ON**  
**STATISTICS OF STEAM RAILWAYS**  
**IN**  
**CANADA**  
**1941**

---



OTTAWA

Price 10 cents

1914

DEPARTMENT OF COMMERCE

AND

STATISTICS

INDUSTRY

STATISTICS OF THE

INDUSTRY

1914

**DOMINION BUREAU OF STATISTICS**  
**TRANSPORTATION AND PUBLIC UTILITIES BRANCH**  
**OTTAWA**

---

Dominion Statistician, S. A. CUDMORE, M.A. (Oxon.), F.S.S., F.R.S.C.

Chief, Transportation and Public Utilities Branch, G.S. Wrong, B.Sc.

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PRELIMINARY REPORT

ON

STATISTICS OF STEAM RAILWAYS

1941

For the third time in their history the railways earned more than five hundred million dollars. The total for 1941 was \$538,291,947 and was second only to \$563,732,260 earned in 1928. Freight revenues at \$421,407,318 were a new high record, exceeding the previous peak made in 1928 by \$7,821,329. Although passenger traffic measured in revenue passenger miles was the heaviest since 1920, reduced rates produced passenger revenues considerably below those of 1917 to 1930 inclusive. Compared with 1928 passenger miles were up by 2 p.c., but revenues were down by 29 p.c., and compared with the peak year, 1920, passenger miles were down by 9 p.c., and revenues were down by 42 p.c..

Total operating revenues increased 25.5 p.c. over those of 1940 and operating expenses increased by 20.4 p.c., producing net operating revenues of \$184,558,405, the largest to date, which is comparable with \$95,855,166 for 1940 and \$121,050,990 for 1928. The income and excess profits tax was the main factor in increasing taxes to \$25,045,411 as compared with \$14,460,697 in 1940 and \$11,151,594 in 1928. Interest on funded and unfunded debt amounted to \$78,632,039 as compared with \$79,786,267 in 1940, and after adjusting for revisions in interest accrued on Dominion Government advances to the Canadian National Railways to the 1941 basis it is comparable with \$65,822,828 in 1928.

The net corporate income available for dividends, sinking funds and reserves, etc. amounted to \$40,405,954 as compared with \$3,759,598 in 1940, and after adjustment for Canadian National interest on Government advances \$57,313,151 in 1928 and a debit of \$82,654,775 in 1932, the worst year experienced by the railways.

Freight train miles increased over 1940 by 22.6 p.c. for an increase in car miles of 25.3 p.c., and in revenue ton miles of 31.9 p.c. An indication of faster movement is time worked by road freight conductors which increased only 18.8 p.c. The average freight revenue per ton mile was only 0.845 cent which was the lowest since 1918 before the general rate increases became effective. This was due to reductions in rates and to a large increase in tonnage of low rate freight and in long haul freight. The tonnage of wheat

was by far the heaviest back to 1928, and the average haul for all revenue freight increased to 428 miles as against 387 miles in 1940, 351 miles in 1928 and 304 miles in 1929.

Passenger traffic showed a much greater increase in 1941 than in 1940, the increases being 47 and 24 p.c. respectively. Passenger train miles increased by 16.6 p.c., car miles by 15.2 p.c., and the time worked by road passenger conductors by 9.3 p.c. The average revenue per passenger mile was reduced to 1.86 cents, which is the lowest on record (back to 1907). Reduced rates to the armed forces was the main factor in this decrease.

The number of employees increased from 135,700 in 1940 to 148,746 or by 9.6 p.c., and the pay roll increased from \$214,505,163 to \$252,398,865 or by 17.6 p.c. The number of employees is the average of 12 counts made on the 15th of each month or week day following the 15th, and consequently represents the number of full-time positions.

Comparisons with 1929 data, the year of highest railway employment, show a decrease of 22.6 p.c. in general and miscellaneous employees and a decrease of 17.0 p.c. in wages. Maintenance of way and structures employees decreased by 28.1 p.c. for a decrease in wages of 21.3 p.c., maintenance of equipment employees decreased by 25.4 p.c. for a decrease in wages of 18.4 p.c., and transportation employees decreased by 12.1 p.c. for a decrease in wages of 6.9 p.c.

A comparison of train crew data for 1929 shows that men employed as road passenger conductors, brakemen, baggagemen, flagmen, engineers, motormen, firemen and helpers decreased in number by 25.2 p.c., man hours worked decreased by 30.3 p.c. and wages decreased by 17.6 p.c. The ratio of decrease of wages to decrease of men was approximately the same as for the general and miscellaneous and maintenance employees.

Men employed as road freight conductors, brakemen, flagmen, engineers, motormen, firemen and helpers declined in number by only 8.2 p.c., man hours worked decreased by 20.2 p.c. and wages decreased by only 3.0 p.c. The gross ton miles moved by these crews increased by 33 p.c., and revenue ton miles increased by 43 p.c.

These data give some indication of the increased efficiency in railway operation during these 13 years by the use of heavier and faster locomotives and improved track, signals, dispatching and operation in general. Freight cars continued to increase in average capacity but the number has decreased for the past decade; the decrease in box cars since 1931 has been 40,707 in number or



27 p.c., and 1,260,953 tons or 21 p.c. in capacity. Passenger equipment has also continued to decline. The number of first class passenger cars has declined from 1,975 in 1931 to 1,886 in 1941 or by 4.5 p.c., parlour and sleeping cars declined from 1,545 to 1,123 or by 27 p.c., and total passenger train cars from 7,511 to 6,235 or by 18 p.c.

Consumption of coal by locomotives increased from 8,138,688 tons in 1940 to 9,988,171 tons, but the consumption of gasoline and diesel oil declined by 12 p.c., but it is a small part of the total fuel used. The average consumption of coal per gross ton mile hauled by freight locomotives was reduced by nearly 15 p.c. from 1928 to 1941.

During the year 576 persons were killed in train accidents as compared with 275 in 1940 and 479 in 1928. The number of employees included in these totals increased from 49 in 1940 to 88, passengers from 5 to 10 and trespassers from 95 to 130. The number of persons injured increased from 2,070 in 1940 to 2,756, trainmen accounting for 287 and trackmen for 35 of the increase.

There were also 27 persons killed and 6,790 injured in non-train accidents such as handling material in machine shops, etc.

In accidents at railway - highway crossings 136 persons were killed, the largest number since 1928, and 430 were injured, the largest number since 1929. The majority of these were motorists in accidents at unprotected crossings, although there were 3 persons killed and 8 injured at crossings protected by gates, and 20 killed and 61 injured at crossings protected by bells.

TABLE 1.

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1941.

No.	Name of Railway	Total Operating Revenues	Total Operating Expenses	Net Operating Revenues	Railway Tax Accruals	Net Operating Income
		\$	\$	\$	\$	\$
1.	Algona Central and Hudson Bay	5,676,475	2,752,809	925,666	60,375	863,293
2.	Alma and Jonquiere	161,241	123,764	37,477	10,579	26,898
3.	British Yukon	354,891	215,702	119,189	16,122	103,067
4.	Canada and Gulf Terminal	159,827	91,468	48,559	3,372	44,987
5.	Canada Southern (Lessee N.Y.C.)	16,315,483	10,218,748	6,096,735	1,221,750	4,874,985
6.	Canadian National	261,826,874	207,443,080	54,383,794	4,574,765	49,809,029
7.	Canadian Pacific	222,502,518	158,655,859	63,847,159	16,835,156	47,014,001
8.	Central Vermont	342,231	224,713	117,518	1,838	115,680
9.	Cumberland	189,672	131,261	58,411	3,875	54,536
10.	Essex Terminal	433,009	265,317	167,692	11,205	166,487
11.	Greater Winnipeg Water District	65,619	84,081	Dr. 18,472	...	Dr. 18,472
12.	Hudson Bay	119,112	480,967	Dr. 361,855	2,072	Dr. 363,927
13.	Maine Central	17,555	14,225	3,330	596	2,734
14.	Maritime Coal, Railway & Power Co.	150,951	69,283	81,668	21,735	59,933
15.	Midland Railway of Manitoba	280,628	371,971	Dr. 91,343	50,710	Dr. 122,053
16.	Morrissey, Fernie and Michel	47,835	34,501	13,332	7,544	5,788
17.	Napierville Junction	825,807	347,731	275,876	109,768	166,108
18.	Nelson and Fort Sheppard	59,667	125,144	Dr. 65,477	13,159	Dr. 78,656
19.	Northern Alberta	3,000,730	2,087,993	912,737	94,967	817,770
20.	Ottawa and New York	152,586	173,217	Dr. 40,631	16,001	Dr. 56,632
21.	Pacific Great Eastern	613,505	618,185	Dr. 4,678	1,145	Dr. 5,823
22.	Pere Marquette	5,784,228	3,558,799	2,205,429	413,577	1,791,852
23.	Quebec Railway, Light & Power Company	485,364	451,899	13,465	17,208	Dr. 3,745
24.	Roberval and Saguenay	1,596,161	537,848	858,313	410,319	447,994
25.	St. Lawrence and Adirondack	711,790	739,307	Dr. 27,527	9,346	Dr. 36,873
26.	Sydney and Louisburg	1,657,071	1,311,503	345,568	6,654	338,914
27.	Temisconata	281,196	265,227	15,969	3,864	12,105
28.	Temiskaming and Northern Ontario	5,703,052	4,081,000	1,622,052	712	1,621,340
29.	Thousand Islands	45,055	85,328	9,725	341	9,384
30.	Toronto, Hamilton and Buffalo	3,112,083	1,660,321	1,451,762	219,751	632,011
31.	Toronto Terminals	400,874	1,127,510	Dr. 726,636	216,046	Dr. 942,682
32.	Vancouver, Victoria and Eastern	723,419	531,873	191,546	111,950	79,596
33.	Welsh (in Canada)	6,997,672	4,903,400	2,094,272	909	2,093,363
34.	Total 1941	538,291,947	403,733,542	134,558,405	25,045,411	109,512,994
35.	Total 1940	429,142,659	335,287,503	93,855,156	14,514,436	79,394,459
36.	Canadian National (Canada & U.S.)	304,376,778	237,768,457	66,608,341	6,926,513	59,681,828

∧ Includes taxes on the Lake Erie and Detroit River Railway Company amounting to \$40,576.

x Includes interest on \$195,345,884 Dominion Government Loans \$5,646,762.

xx Represents all divisions of the company.

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1941.

No.	Net Income from Outside Operations	Total Net Operating Income	Gross Corporate Income	Interest on Funded and Unfunded Debt	All other Non-operating Expenses	Total Non-operating Expenses	Net Corporate Income
	\$	\$	\$	\$	\$	\$	\$
1.	...	863,295	985,600	515,425	222,741	758,166	247,434
2.	...	26,898	31,927	...	15,055	15,055	16,882
3.	...	105,067	119,441	141,415	...	141,415	Dr. 21,972
4.	...	44,987	48,224	57,000	...	57,000	Dr. 8,776
5.	...	4,874,285	5,210,165	108,464	3,832,219	3,938,685	1,271,482
6.	591,501	50,400,550	63,438,804	x 49,915,478	8,084,365	57,999,845	5,438,961
7.	3,717,785	50,781,784	62,514,594	20,416,680	7,536,282	27,952,962	34,561,452
8.	...	115,680	128,941	35,456	38,255	75,891	55,250
9.	...	54,556	54,556	...	1,536	1,536	53,200
10.	...	156,487	187,775	13,800	63,545	77,145	110,632
11.	...	Dr. 18,472	Dr. 18,472	...	291	291	Dr. 18,763
12.	...	Dr. 365,927	Dr. 350,991	...	84,606	84,606	Dr. 455,597
13.	...	2,714	2,779	...	308	308	2,471
14.	...	59,955	62,422	5,734	7,774	13,508	48,914
15.	...	Dr. 122,053	Dr. 100,255	...	116,988	116,988	Dr. 217,221
16.	...	5,788	5,788	...	...	...	5,788
17.	...	166,108	167,561	25	102,405	102,430	65,131
18.	...	Dr. 78,656	Dr. 78,118	...	15,016	15,016	Dr. 93,136
19.	405	818,173	1,655,929	1,405,900	250,521	1,654,421	1,508
20.	...	Dr. 56,652	Dr. 50,223	1,057	24,409	25,466	Dr. 75,669
21.	6,426	605	9,726	3,907,943	90,569	3,998,512	Dr. 3,988,566
22.	...	1,791,852	1,952,311	181,866	1,327,629	1,509,495	442,816
23.	...	Dr. 3,745	16,477	xx 853	15,644	16,477	...
24.	...	447,994	456,450	93,100	56,520	149,620	306,830
25.	...	Dr. 36,875	Dr. 33,603	53,090	192,347	245,457	Dr. 279,040
26.	...	338,914	338,914	...	359,175	359,175	Dr. 20,261
27.	...	12,105	12,351	281	11,708	11,989	362
28.	...	1,621,340	1,671,210	280,246	232,980	493,226	1,177,984
29.	...	9,384	10,051	10,051	...	10,051	...
30.	...	652,011	955,148	204,248	273,998	478,246	476,902
31.	...	Dr. 942,682	1,339,907	1,307,949	31,958	1,339,907	...
32.	...	79,596	354,265	...	350,673	350,673	3,592
33.	...	2,093,563	2,093,563	...	617,969	617,969	1,475,594
34.	4,316,113	113,829,107	142,982,619	78,632,069	28,956,846	102,588,885	40,403,954
35.	3,920,514	85,314,973	109,583,325	79,786,267	26,037,460	105,823,727	3,759,598
36.	591,501	60,273,329	67,789,547	x 50,490,192	11,860,394	62,350,586	5,438,961



TABLE 2.

TRAIN MILEAGE FOR THE YEAR ENDED DECEMBER 31, 1941.

No.	Name of Railway	Miles of Road Operated		Mileage of Revenue Freight Trains \$	Mileage of Revenue Passenger Trains \$	Total Revenue Train Mileage \$	Mileage of Non-revenue Trains \$
		At Dec. 31st X	Average during Year †				
1.	Algoma Central and Hudson Bay	320.8	321.8	459,719	...	459,719	59,372
2.	Alma and Jonquiere	10.6	10.6	21,593	...	21,593	...
5.	British Yukon	90.3	90.3	29,058	10,426	39,484	810
4.	Canada and Gulf Terminal	58.1	58.1	15,526	36,217	51,743	...
5.	Canada Southern (Lessee N.Y.C.)	370.0	370.3	1,448,875	1,615,929	3,062,804	37,550
6.	Canadian National	21,583.0	21,795.1	35,481,516	18,904,229	54,385,745	1,282,161
7.	Canadian Pacific	16,866.7	17,150.8	30,792,980	17,671,254	48,464,234	498,556
8.	Central Vermont	25.3	25.3	28,400	35,568	58,968	182
9.	Cumberland	31.5	31.5	34,540	...	34,540	...
10.	Essex Terminal	21.3	21.3	20,328	...	20,328	...
11.	Greater Winnipeg Water District	92.0	92.0	...	...	...	...
12.	Hudson Bay	510.1	510.1	60,814	5,604	65,918	9,888
12a.	International Bridge & Terminal Co.	1.1	1.1	...	...	...	...
15.	Maine Central	5.1	5.1	3,522	...	3,522	20
14.	Maritime Coal, Railway & Power Co.	12.2	12.2	19,018	1,564	20,582	...
16.	Midland Railway of Manitoba	5.7	75.5	47,243	97,960	145,203	...
16.	Morrissey, Fernie and Michel	5.4	5.4	10,825	...	10,825	...
17.	Napierville Junction	27.1	41.7	45,676	95,710	141,586	578
18.	Nelson and Fort Sheppard	54.8	60.8	18,490	32,800	51,290	3,140
19.	Northern Alberta	922.6	927.5	470,225	130,805	601,030	81,760
20.	Ottawa and New York	57.3	58.0	19,751	57,547	57,098	...
21.	Pacific Great Eastern	347.8	347.8	89,191	36,290	125,481	20,451
22.	Pare Marquette	198.8	319.0	1,122,155	46	1,122,201	16,803
23.	Quebec Railway, Light & Power Co.	25.4	25.4	22,775	283,271	306,044	4,318
24.	Roberval and Saguenay	29.0	29.0	65,539	...	65,539	...
25.	St. Lawrence and Adirondack	46.6	60.7	69,020	139,904	208,924	842
26.	Sydney and Louisburg	70.3	70.3	158,050	17,515	175,565	...
27.	Temiscouata	101.1	112.8	46,794	48,390	95,184	2,918
28.	Temiskaming and Northern Ontario	574.0	574.0	754,750	513,774	1,248,524	33,409
29.	Thousand Islands	4.5	4.5	5,730	14,550	20,280	...
30.	Toronto, Hamilton and Buffalo	103.6	111.0	137,832	165,558	303,390	6,852
31.	Toronto Terminals	3.2	3.2	...	...	...	...
31a.	Van Buren Bridge	0.3	0.3	...	...	...	...
32.	Vancouver, Victoria and Eastern	85.9	86.8	46,495	52,515	99,008	1,016
33.	Wabash (in Canada)	...	245.4	1,328,973	...	1,328,973	873
34.	Total 1941	42,441.5	42,475.9	72,847,897	59,947,184	112,794,881	1,991,021
35.	Total 1940	42,564.9	42,601.0	59,458,228	37,293,721	96,751,947	1,796,357
36.	Canadian National (Canada & U.S.)	25,266.2	25,525.0	40,364,715	20,770,203	61,134,918	1,332,828

X Track operated under trackage rights excluded.

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

\$ Includes mileage of both locomotive and motor unit car drawn trains.



TONS AND PASSENGERS CARRIED AND CAR MILEAGE FOR THE YEAR ENDED DECEMBER 31, 1941.

No.	Revenue Freight		Revenue Passengers		Freight Car Miles				Total Passenger Train Car Miles (1)
	Tons Carried	Tons Carried One Mile	Number Carried	Passengers Carried One Mile	Freight Loaded	Freight Empty	Caboose	Total	
1.	1,420,063	186,912,795	57,783	2,720,966	5,505,106	3,054,189	357,826	(5)9,571,066	430,407
2.	268,605	2,954,655	9,997	109,967	90,004	81,715	...	171,717	5,082
5.	18,576	1,565,422	12,669	818,342	188,787	107,521	...	276,308	149,048
4.	107,013	2,430,497	28,290	591,657	95,116	63,468	15,526	170,110	56,217
5.	7,944,469	1,087,480,710	731,518	113,509,825	55,301,712	28,885,947	1,507,573	38,402,552	18,048,308
6.	52,744,325	25,763,849,597	16,971,873	1,686,349,059	911,015,964	435,985,641	56,697,986	1,381,699,791	164,975,340
7.	44,709,716	22,654,056,723	9,144,613	1,515,489,479	764,738,266	419,756,473	52,610,144	1,217,105,865	145,517,275
8.	1,147,678	27,271,222	75,685	1,735,895	1,052,467	579,608	25,816	1,455,691	256,096
9.	667,701	5,590,094	4,297	45,801	70,045	70,045	7,974	143,064	25,912
10.	1,064,290	5,521,400	...	...	201,920	204,600	12,000	413,520	...
11.	125,526	...	8,518	400,919	...	...	...	...	...
12.	10,160	5,229,109	6,141	970,375	432,761	285,626	79,554	797,941	285,614
12a.	...	...	...	...	...	...	...	...	...
13.	205,462	1,037,656	76	588	32,757	29,135	165	62,055	3,160
14.	263,982	2,582,721	7,884	58,108	80,919	53,445	...	134,564	2,116
15.	90,511	6,481,061	42,536	2,166,799	592,498	263,616	47,191	705,605	517,876
16.	192,601	1,050,690	...	...	34,362	34,362	...	68,724	...
17.	1,741,373	46,944,127	120,829	4,149,431	1,295,823	956,563	45,194	2,297,600	581,462
18.	50,995	1,457,357	7,624	145,119	64,189	58,698	20,749	125,631	54,510
19.	721,480	197,715,949	100,098	12,760,744	8,525,508	4,101,074	542,565	13,169,143	1,495,475
20.	142,783	6,845,235	28,478	887,882	222,018	165,153	19,751	396,922	111,664
21.	62,037	9,655,758	21,653	1,413,800	616,325	418,743	25,965	(4)1,181,793	372,751
22.	5,605,713	640,096,377	399	6,373	30,708,095	14,521,347	1,170,623	46,400,035	75,495
23.	260,930	5,271,045	1,403,335	13,575,752	196,561	152,101	22,242	370,904	487,963
24.	1,381,537	26,504,787	295	4,870	512,906	481,523	52,245	1,046,674	15,719
25.	1,040,965	52,536,719	543,276	6,332,465	1,129,641	1,146,951	75,106	2,351,698	504,020
26.	4,459,846	66,605,079	10,129	177,787	1,575,501	1,561,586	127,862	3,264,749	92,052
27.	164,766	6,479,864	18,750	651,027	274,899	186,885	26,730	468,512	177,156
28.	1,865,465	370,596,995	552,493	51,975,291	16,917,859	5,781,513	761,838	22,451,207	5,664,005
29.	(2)	145,368	4,256	19,194	12,480	5,135	...	17,695	14,530
30.	3,245,722	120,451,910	250,634	6,848,966	3,781,983	2,109,728	142,897	6,034,606	639,175
31.	...	...	...	...	...	...	...	...	...
31a.	...	...	...	...	...	...	...	...	...
32.	546,441	15,975,525	56,733	1,726,471	613,651	512,551	58,854	1,164,856	502,256
33.	5,854,239	303,645,562	(2)	(2)	42,922,260	16,770,111	1,401,865	61,094,257	97,110
34.	(5)134,066,558	49,982,478,205	29,779,241	3,205,541,530	1,850,578,333	933,981,971	75,701,837	2,860,918,865	(1)357,144,753
35.	(5) 97,947,541	57,899,196,157	21,869,871	2,176,467,876	1,482,500,377	741,642,511	60,645,552	2,285,356,591	296,077,066
36.	65,370,412	27,199,875,760	17,681,643	1,761,970,856	1,061,072,611	513,659,503	40,543,146	1,615,275,263	179,759,264

(1) Includes Motor Unit Car Miles - 2,204,015 miles as motive power, 72,052 miles as trailers in motor unit car trains and 2,008 miles in locomotive drawn trains.  
 (2) Included in Canadian National Railways.  
 (3) Includes 655,945 miles in Non-revenue Service.  
 (4) Includes 120,760 " " " " " "  
 (5) Duplications excluded.

TABLE 5.

EMPLOYEES AND THEIR COMPENSATION FOR THE YEAR ENDED DECEMBER 31, 1941.

No.	Division	Average Number (1) of Employees	Total Days on Duty	Total Hours on Duty	Compensation		
					Total For Year	Average Daily Compensation	Average Hourly Compensation
<u>GENERAL AND MISCELLANEOUS</u>							
1.	Executives, general officers and assistants	515	154,921	...	3,540,911	22.856	...
2.	Division officers	879	279,215	...	3,189,020	11.421	...
3.	Assistant engineers and draftsmen	581	178,564	...	1,547,437	7.546	...
4.	Other miscellaneous officials	1,180	355,976	...	5,583,761	10.124	...
5.	Clerks	14,285	4,421,711	...	23,500,760	5.188	...
6.	Telephone switchboard operators	187	55,158	...	202,074	3.864	...
7.	Office boys, messengers, attendants & misc. trades workers	1,221	373,983	...	1,026,953	2.746	...
8.	Janitors and cleaners	1,140	275,538	...	893,963	3.244	...
	Total ..... (Daily Basis)	20,156	6,163,064	...	37,084,879	6.017	...
<u>MAINTENANCE OF WAY AND STRUCTURES</u>							
9.	Bridge and building department foremen	462	140,590	...	892,965	6.352	...
10.	Carpenters and bridgemen	1,957	...	4,771,178	3,052,985	...	0.640
11.	Blacksmiths, pipe fitters, plumbers, tinsmiths, & pump repairers	510	...	803,816	602,400	...	0.749
12.	Masons, bricklayers, plasterers and painters	354	...	830,681	549,424	...	0.661
13.	Helpers, B. and B. department	210	...	533,207	232,370	...	0.581
14.	Apprentices, B. and B. department	...	...	...	...	...	...
15.	Pile driver, ditching, hoist and steam shovel employees	356	...	1,051,087	720,897	...	0.686
16.	Foremen	379	...	1,018,756	522,743	...	0.513
17.	Extra gang and snow plough foremen	370	...	215,591	708,788	...	0.773
18.	Signal foremen	37	12,536	...	109,867	8.764	...
19.	Section foremen	5,731	...	14,803,540	9,517,937	...	0.629
20.	Sectionmen	15,819	...	38,208,708	17,530,170	...	0.459
21.	Labourers	8,802	...	28,442,322	7,843,077	...	0.343
22.	Foremen - Linemen	34	10,491	...	76,198	7.263	...
23.	Telegraph and telephone linemen and groundmen	49	...	120,300	74,475	...	0.619
24.	Signal and interlocker maintainers and repairmen	423	...	1,153,739	811,267	...	0.703
	Total ..... (Hourly Basis)	34,768	...	87,054,425	42,017,131	...	0.483
	Total ..... (Daily Basis)	533	163,617	...	1,079,030	6.595	...
	Total	55,501	...	...	43,096,161	...	...
<u>MAINTENANCE OF EQUIPMENT</u>							
25.	General foremen	56	17,360	...	189,918	10.940	...
26.	Department and gang foremen	2,088	674,206	...	5,326,051	7.900	...
27.	Blacksmiths	630	...	1,456,788	1,210,025	...	0.831
28.	Rollers	1,121	...	2,708,433	2,298,889	...	0.849
29.	Carmen (a)	1,850	...	4,238,468	3,692,298	...	0.871
30.	Carmen (b)	439	...	983,939	857,551	...	0.872
31.	Carmen (c)	5,218	...	12,326,991	9,514,006	...	0.772
32.	Carmen (d)	231	...	505,230	401,230	...	0.794
33.	Electrical workers	775	...	1,307,355	1,528,356	...	0.798
34.	Machinists	3,761	...	8,954,820	7,489,694	...	0.836
35.	Moulders	117	...	256,227	226,144	...	0.876
36.	Pipe fitters and sheet metal workers	1,016	...	2,298,744	1,950,717	...	0.849



37.	Helpers to mechanics	6,456	...	15,350,566	9,390,826	...	0.613
38.	Helper apprentices	27	...	60,216	33,230	...	0.552
39.	Regular apprentices	1,545	...	5,387,536	1,600,975	...	0.473
40.	Car cleaners	1,323	...	3,358,716	1,594,579	...	0.475
41.	Other unskilled employees	5,204	...	7,948,248	3,649,390	...	0.459
42.	Unclassified labourers	2,548	...	6,126,010	2,494,304	...	0.407
43.	Stationary engineers, firemen and oilers	852	...	2,128,701	1,299,404	...	0.610
	Total ..... (Hourly Basis)	51,193	...	75,980,468	49,226,606	...	0.665
	(Daily Basis)	2,144	691,566	...	5,515,969	7.976	...
	Total	33,337	...	...	54,742,575	...	...
<b>TRANSPORTATION</b>							
44.	Inspectors and sergeants of police	175	57,390	...	426,865	7.458	...
45.	Constables and policemen	1,200	411,260	...	1,655,396	4.025	...
46.	Storekeepers	257	79,550	...	545,371	6.856	...
47.	Storemen	1,721	...	5,973,743	2,109,852	...	0.551
48.	Train dispatchers and traffic supervisors	504	...	1,819,383	1,657,391	...	1.256
49.	Supervisory agents and assistants	499	...	1,301,654	1,251,652	...	0.962
50.	Station agents - non-telegraphers (small station)	155	...	390,604	157,255	...	0.403
51.	Station agents - telegraphers and telephoners	4,998	...	13,134,393	10,004,036	...	0.762
52.	Signalmen (non-telegraphers) at interlockers	455	...	831,236	405,127	...	0.588
53.	Foremen in freight sheds	433	...	1,087,947	812,095	...	0.746
54.	Freight handlers and other station employees	4,956	...	11,730,620	6,427,579	...	0.548
55.	Labourers	852	...	2,150,878	967,113	...	0.454
56.	Dining car and restaurant inspectors, conductors & stewards	289	107,539	...	554,445	5.155	...
57.	Dining car and restaurant helpers and attendants	1,804	669,860	...	2,075,876	3.096	...
58.	News agents	171	53,695	...	186,731	3.478	...
59.	Floating equipment employees	611	...	2,073,177	874,578	...	0.422
60.	Sleeping and parlour car inspectors and conductors	180	59,220	...	338,822	6.008	...
61.	Sleeping and parlour car porters	948	361,674	...	1,165,312	3.216	...
62.	Drawbridge operators	92	...	245,358	145,241	...	0.589
63.	Signalmen or watchmen at crossings (non-interlocked)	552	...	1,440,192	619,645	...	0.430
64.	Yardmasters and assistants	345	131,929	...	1,225,964	9.295	...
65.	Switch tenders	343	117,731	...	592,092	5.029	...
66.	Hostlers	430	148,065	...	842,815	5.692	...
67.	Road passenger conductors	713	...	1,643,700	2,256,135	...	1.375
68.	Road freight conductors	2,138	...	5,757,746	6,674,574	...	1.153
69.	Road passenger brakemen, baggagemen and flagmen	1,614	...	5,537,887	5,555,977	...	1.005
70.	Road freight brakemen and flagmen	4,854	...	12,050,959	10,910,442	...	0.905
71.	Yard conductors and yard foremen	1,338	...	5,643,059	3,269,703	...	0.897
72.	Yard brakemen and helpers	2,910	...	7,324,186	6,210,930	...	0.837
73.	Road passenger engineers and motormen	885	...	1,944,654	3,365,301	...	1.731
74.	Road freight engineers and motormen	2,755	...	7,463,770	9,618,235	...	1.289
75.	Yard engineers and motormen	1,160	...	3,655,370	3,354,003	...	0.918
76.	Road passenger firemen and helpers	886	...	1,945,304	2,492,399	...	1.358
77.	Road freight firemen and helpers	5,084	...	6,737,388	7,346,726	...	1.090
78.	Yard firemen and helpers	1,231	...	3,630,600	2,632,239	...	0.725
	Total ..... (Hourly Basis)	59,176	...	98,885,088	87,113,778	...	0.881
	(Daily Basis)	6,150	2,197,965	...	9,622,675	4.378	...
	Total	43,326	...	...	96,758,453	...	...
79.	Express department	2,604	790,382	...	4,255,553	5.359	...
80.	Communication department	5,921	...	14,856,784	8,448,382	...	0.569
81.	Employees engaged in outside operations	6,121	...	16,548,299	8,054,862	...	0.487
	GRAND TOTAL ..... (Hourly Basis)	117,179	...	291,323,064	194,860,759	...	0.669
	(Daily Basis)	31,567	10,006,572	...	57,558,106	5.750	...
	Total 1941	148,746	...	...	252,598,865	...	...
	Total 1940	155,700	8,248,898	284,096,323	214,503,123	...	...
82.	Total number of female employees (monthly average)	6,189	...	...	...	...	...
83.	Total pay roll charged to operating expenses	...	...	...	228,248,592	...	...
84.	Pullman, bridge and tunnel companies (Hourly Basis)	60	...	166,948	79,277	...	0.475
	(Daily Basis)	116	42,458	...	181,561	4.272	...
	Total	176	...	...	260,838	...	...

(1) Average of counts made each month.

† Includes \$4,890,753 for 2,300 employees domiciled outside of Canada.

‡ Includes \$4,350,161 for 2,368 employees domiciled outside of Canada.



RAILWAY ACCIDENTS

TABLE 4.

1941

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 .....	-	-	4	92	-	7	4	99
Collisions .....	1	181	29	124	124	416	154	721
Derailments .....	1	91	9	41	-	6	10	134
Getting on or off trains .....	2	64	5	316	18	52	23	452
Locomotives or cars breaking down ..	-	1	-	-	-	2	-	3
Falling from trains, locomotives or cars	4	8	5	129	15	13	22	150
Struck by trains, locomotives or cars	1	2	16	29	105	69	122	100
Overhead obstructions .....	-	-	1	19	-	-	1	19
Other causes .....	1	138	23	806	16	150	40	1,094
Total .....	10	485	88	1,556	✓ 278	✓ 715	376	2,756
✓ Postal clerks .....					1	106		
Other persons - trespassing .....					130	137		
not trespassing .....					147	472		
Total .....					278	715		
<u>Struck at Highway Crossings -</u>								
Trainmen and passengers .....					-	7		
Pedestrians .....					13	5		
Motorists .....					120	397		
In Other vehicles .....					3	21		
Total .....					136	430		
Class of Person	TRAIN ACCIDENTS		NON TRAIN ACCIDENTS		DAYS ABSENT BECAUSE OF INJURY			
	Killed	Injured	Killed	Injured				
	No.	No.	No.	No.				
Trainmen .....	55	1,346	-	465	51,978			
Switchtenders, crossing tenders, watchmen ...	1	3	-	35	2,058			
Stationmen .....	1	20	2	959	22,354			
Shopmen .....	5	54	5	2,067	51,967			
Trackmen .....	24	125	10	2,682	70,937			
Telegraph employees .....	-	1	-	37	822			
Other employees .....	2	7	1	198	4,191			
Total Employees .....	88	1,556	18	6,443	X 204,307			
Passengers .....				167				
Postal clerks .....				36				
Other persons .....			9	144				
Total All Persons .....			27	6,790				
<u>Cause of Accident</u>								
Handling traffic .....				619				
Handling tools, machinery etc. ....			1	1,199				
Getting on and off locomotives or cars at rest .....			-	214				
Other causes .....			26	4,758				
Total .....			27	6,790				

X - Excludes 1,269 days for 4 permanent disabilities.



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