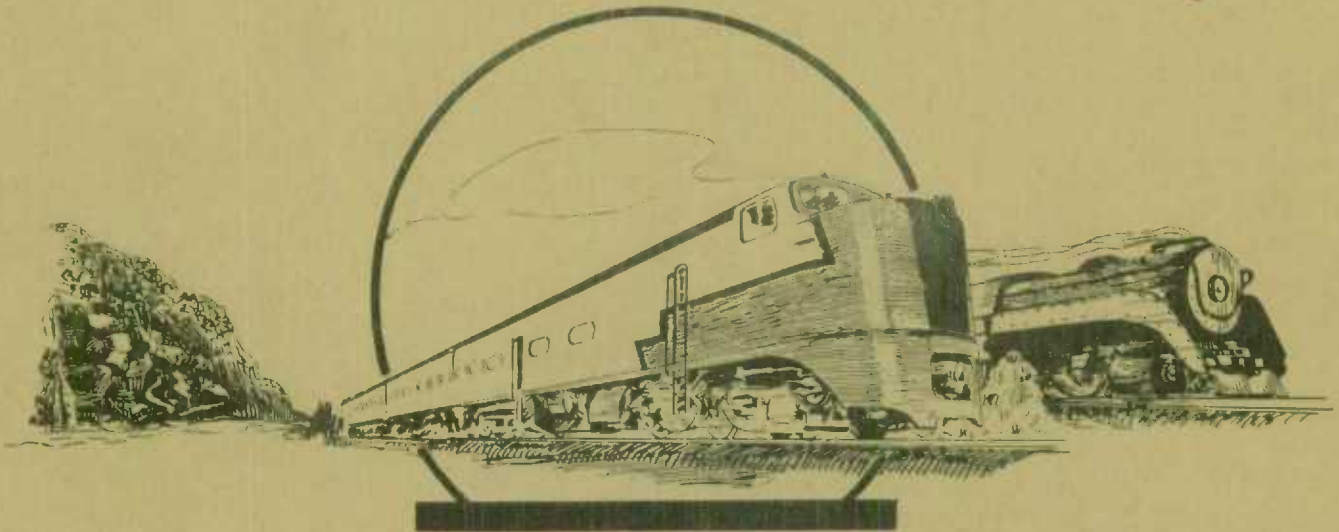


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STEAM RAILWAYS 1951

PART - III



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OTTAWA, 1953

DOMINION BUREAU OF STATISTICS — DEPARTMENT OF TRADE AND COMMERCE

STATISTICS OF
STEAM RAILWAYS
FOR THE YEAR ENDED DECEMBER 31
1951

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Dominion Bureau of Statistics
Ottawa

STEAM RAILWAYS

1951

PART - III

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Railway Mileage in Canada
Single Track Miles by Provinces

Year Ended Dec. 31	Total	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
1946	42,335.10	-	286.10	1,396.30	1,835.70	4,765.20
Increase	- 17.30	-	-	-	-	0.80
1947	42,322.10	-	286.10	1,396.30	1,834.70	4,765.20
Increase	13.00	-	-	-	- 1.00	-
1948	42,248.30	-	286.10	1,396.30	1,834.70	4,764.80
Increase	- 73.80	-	-	-	-	- 0.40
1949	42,978.70	705.10	286.20	1,396.30	1,834.70	4,791.20
Increase	730.40	705.10	0.10	-	-	26.40
1950	42,978.40	705.10	286.20	1,396.60	1,834.60	4,794.80
Increase	- 0.30	-	-	0.30	- 0.10	3.60
1951	42,955.50	705.10	284.70	1,396.20	1,834.60	4,789.20
Increase	- 22.90	-	- 1.50	- 0.40	-	- 5.60

	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	U.S.A.
1946	10,464.00	4,835.70	8,782.50	5,686.40	3,886.30	57.70	339.20
Increase	- 15.80	- 1.80	0.20	- 0.60	- 0.10	-	-
1947	10,463.90	4,835.60	8,782.50	5,674.60	3,886.30	57.70	339.20
Increase	- 0.10	- 0.10	-	- 11.80	-	-	-
1948	10,464.00	4,835.60	8,738.30	5,643.20	3,888.40	57.70	339.20
Increase	0.10	-	- 44.20	- 31.40	2.10	-	-
1949	10,462.40	4,835.70	8,738.80	5,643.20	3,888.20	57.70	339.20
Increase	- 1.60	0.10	0.50	-	- 0.20	-	-
1950	10,458.10	4,834.00	8,738.80	5,643.20	3,890.10	57.70	339.20
Increase	- 4.30	- 1.70	-	-	1.90	-	-
1951	10,439.80	4,834.00	8,738.80	5,646.80	3,889.40	57.70	339.20
Increase	- 18.30	-	-	3.60	- 0.70	-	-

Cumulative

Aid to Railways

Year Ended Dec. 31	Dominion	Provincial	Municipal	Total
	\$	\$	\$	\$
1946	172,200,223	33,391,669	13,301,691	218,893,583
1947	172,200,223	33,391,669	13,301,691	218,893,583
1948	172,200,223	33,391,669	13,301,691	218,893,583
1949	172,200,223	33,391,669	13,301,691	218,893,583
1950	172,200,223	33,391,669	13,301,691	218,893,583
1951	172,200,223	33,391,669	13,301,691	218,893,583

⚡ Includes subsidies granted to electric railways.

Land Grants, at December 31, 1951

Granted By	Bonus Grants	Grants for Right of Way, Station Grounds, and Townsite Purposes	Total
	acres	acres	acres
Dominion	31,783,654.88	97,987.60	31,881,642.48
Nova Scotia	160,000.00	-	160,000.00
New Brunswick	1,788,392.00	-	1,788,392.00
Quebec	2,085,710.00	-	2,085,710.00
Ontario	3,241,207.01	229,501.97	3,470,708.98
Manitoba	-	2,604.21	2,604.21
Saskatchewan	-	4,931.57	4,931.57
Alberta	-	396.14	396.14
British Columbia	8,233,410.00	12,371.74	8,245,781.74
Total	47,292,373.89	347,793.23	47,640,167.12

X Includes 4,065,076 acres repurchased from B.C. Southern and Columbia and Western Railways. Newfoundland included from 1949 on.

Mileage Operated in Provinces

	Year ended December 31					
	1946	1947	1948	1949	1950	1951
<u>Single track mileage -</u>						
Newfoundland	-	-	-	705	705	705
Prince Edward Island	286	286	286	286	286	285
Nova Scotia	1,396	1,396	1,396	1,396	1,397	1,396
New Brunswick	1,836	1,835	1,835	1,835	1,835	1,835
Quebec	4,765	4,765	4,765	4,791	4,795	4,789
Ontario	10,464	10,464	10,464	10,462	10,458	10,440
Manitoba	4,836	4,836	4,836	4,836	4,834	4,834
Saskatchewan	8,783	8,783	8,738	8,739	8,739	8,739
Alberta	5,686	5,674	5,643	5,643	5,643	5,647
British Columbia	3,886	3,886	3,888	3,888	3,890	3,889
Yukon	58	58	58	58	58	58
In United States	339	339	339	339	339	339
Total single track	42,335	42,322	42,248	42,978	42,979	42,956
Second track	2,486	2,489	2,495	2,494	2,498	2,487
Industrial track	1,870	1,908	1,892	1,925	1,979	2,068
Yard track and sidings	10,314	10,332	10,370	10,437	10,541	10,639
Total all tracks	57,005	57,051	57,005	57,834	57,997	58,150
<u>Gauge -</u>						
4 ft. 8½ inches	42,245	42,232	42,158	42,183	42,184	42,161
3 ft. 6 inches	-	-	-	705	705	705
3 ft.	90	90	90	90	90	90
Single track owned but not operated ..	92	95	191	153	145	145

Mileage of Operating Railways, Under Construction

Province	December 31, 1951				Miles opened for operation during 1951
	Miles surveyed only	Miles under contract	Miles completed but not opened	Total Miles	
Newfoundland	-	-	-	-	-
Prince Edward Island	-	-	-	-	-
Nova Scotia	-	-	-	-	-
New Brunswick	-	-	-	-	0.1
Quebec	-	4.8	-	4.8	72.0
Ontario	-	-	-	-	-
Manitoba	-	146.3	-	146.3	-
Saskatchewan	-	-	29.8	29.8	-
Alberta	-	-	-	-	3.8
British Columbia	42.0	8.0	72.2	122.2	1.0
United States	-	-	-	-	-
Total	42.0	159.1	102.0	303.1	76.9

In addition, the Quebec, North Shore Labrador Railway under construction involves 358 miles and good progress has been made.

Investment in Road and Equipment

	1946	1947	1948	1949	1950	1951
New Lines -						
Road	3,376,385	1,071,411	1,415,132	1,428,972	6,285,165	6,301,717
Equipment	136,196	465,476	66,694	-	-	1,552,117
General	-	-	-	33,409	50,634	53,901
Total	3,512,581	1,536,887	1,481,826	1,462,381	6,335,799	7,907,735
Additions and Betterments -						
Road	20,639,010	14,774,509	21,725,599	25,643,350	25,523,673	42,260,214
Equipment	14,582,489	39,848,412	85,736,595	75,393,226	52,666,164	107,478,591
General	123,029	48,404	Cr. 59,483	Cr. 7,175	54,058	Cr. 70,318
Undistributed	Cr. 2,072	Cr. 450	Cr. 2,984	Cr. 3,494	3,399	Cr. 2,381
Total	35,342,456	54,670,875	107,399,727	101,025,907	78,247,294	149,666,106
Undistributed /	Cr. 5,932,964	Cr. 871,376	79,157,303	261,234	Cr. 2,645,822	Cr. 1,318,920
Total investments as at Dec. 31 ...	3,356,642,911	3,411,979,297	3,600,018,153	3,702,767,675	3,784,704,946	3,940,959,867
/ Undistributed - Details						
Canadian National -						
Separately operated properties ..	631,384	1,910,730	622,139	114,167	Cr. 74,520	Cr. 479,619
Abandonments and adjustments	-	-	-	-	-	-
Non-cash items	Cr. 1,307,952	Cr. 1,822,674	46,748	206,067	1,946,933	Cr. 1
Greater Winnipeg water District - Adjustments	-	Cr. 12,534	-	-	-	-
Morrissey, Fernie and Michel ...	-	Cr. 942,898	-	-	-	-
Canadian Pacific - Leased lines .	X Cr. 5,256,396	Cr. 4,000	Cr. 5,000	Cr. 59,000	-	Cr. 839,300
- Adjustments /	-	-	78,493,416	-	-	-
St. Lawrence and Adirondack - Adjustments ..	-	-	-	-	Cr. 657,683	-
Temiscouata - Acquired by C.N.R..	-	-	-	-	Cr. 3,860,552	-

/ To eliminate credit of \$78,493,416 for Donations and Grants.

X Revised.

Railway Capital

	Year Ended December 31					
	1946	1947	1948	1949	1950	1951
	\$	\$	\$	\$	\$	\$
Stocks	1,315,364,216	1,314,229,042	1,270,000,656	1,268,677,473	1,341,405,562	1,341,029,778
Debenture Stock	309,389,493	309,378,177	308,056,818	308,056,819	308,056,526	305,175,994
Funded Debt	1,665,844,138	1,685,010,672	1,672,282,030	1,692,898,968	1,826,346,222	1,925,488,160
Total	3,290,597,847	3,308,617,891	3,250,339,504	3,269,633,260	3,475,808,310	3,571,693,932

Newfoundland included from 1949 on.

Railway Bonds Guaranteed
1951

Name of Railway	Guaranteed By			Total Amount Outstanding
	Dominion	British Columbia	New Brunswick	
	\$	\$	\$	\$
Canadian National	492,165,428	-	-	492,165,428
Canadian Northern	6,799,275	-	-	6,799,275
" " Ontario	3,597,518	-	-	3,597,518
" " Alberta	550,727	-	-	550,727
" " Pacific	-	-	-	-
Grand Trunk Pacific	34,464,204	-	-	34,464,204
Total Canadian National	537,577,152	-	-	537,577,152
Fredericton and Grand Lake	-	-	465,000	465,000
Grand Total	537,577,152	-	465,000	(1) 538,042,152

(1) Does not include \$6,984,883 perpetual debenture stock and guaranteed stock of the Grand Trunk Railway, now part of the Canadian National systems, on which interest and dividends are guaranteed by the Dominion Government.

Reserves of Steam Railways (1)

	1946	1947	1948	1949	1950	1951
	\$	\$	\$	\$	\$	\$
<u>Depreciation</u>						
Road and Rolling Stock	376,292,496	411,413,618	517,988,470	555,371,861	594,956,194	633,670,650
Other Properties	49,979,485	53,690,848	77,636,617	80,403,839	84,434,327	87,136,585
Operating and Deferred						
Maintenance	59,795,801	54,805,340	44,391,272	28,796,413	8,229,872	5,499,075
Insurance and Casualty	24,489,963	25,198,016	27,071,769	25,926,987	26,495,369	27,303,944
Investment	3,363,502	3,702,115	4,015,422	3,498,643	4,068,165	2,940,483
Other	9,842,805	9,732,479	8,438,742	8,124,864	7,226,715	7,217,934
Total Reserves	523,764,052	558,542,416	(2) 679,542,292	702,122,607	725,410,642	763,768,671

(1) Includes United States lines of the Canadian National and Canadian Pacific Railways.

(2) Includes an additional \$88,568,940 transferred from profit and loss to depreciation reserves to C.P.R. account in line with accumulated reserves computed on the basis approved and recorded by the Income Tax Department.

Newfoundland included from 1949 on.

Income Account

	Year ended December 31					
	1946	1947	1948	1949	1950	1951
	\$	\$	\$	\$	\$	\$
Gross earnings from operation	718,501,764	785,177,920	875,832,290	894,397,264	958,985,751	1,088,583,789
Operating expenses	623,529,472	690,821,047	808,126,455	831,456,446	833,726,562	977,577,062
Net operating revenue	94,972,292	94,356,873	67,705,835	62,940,818	125,259,189	111,006,727
Tax accruals	24,500,296	26,342,165	19,695,531	18,160,336	32,276,513	36,384,511
Railway operating income	70,471,996	68,014,708	48,010,304	44,780,482	92,982,676	74,622,216
<u>Other Income</u>						
From outside operations (Net)	7,816,175	7,818,867	4,538,041	5,648,239	5,697,943	10,579,118
From other sources	35,620,933	38,698,718	41,857,680	40,385,987	41,867,820	41,075,994
Gross income	113,909,104	114,532,293	94,406,025	90,814,708	140,548,439	126,277,328
<u>Deductions -</u>						
Hire of freight cars						
Dr. balance	8,144,635	12,045,982	11,272,614	10,873,218	9,299,137	10,819,128
Lease of other roads	6,194,806	5,218,141	5,229,356	4,985,140	4,628,115	4,494,322
Other rents	4,123,007	4,743,816	4,789,715	4,803,065	4,912,199	5,272,590
Other properties loss	9,712,070	5,320,831	3,118,150	5,716,845	-	-
Interest on funded and unfunded debt	69,122,464	66,106,580	65,901,400	66,688,037	65,859,459	67,015,766
Other deductions	3,399,808	2,947,246	6,275,295	10,194,123	7,491,657	7,821,607
Total	100,696,790	96,382,596	96,586,530	103,260,428	92,190,567	95,423,413
Net Income	13,212,314	18,149,697	Dr. 2,180,505	Dr. 12,445,720	48,357,872	30,853,915
<u>Disposal of net income -</u>						
Dividends - Common	17,802,240	17,993,031	18,322,437	17,730,690	32,354,990	22,112,062
Preferred ...	4,605,682	4,605,682	4,605,682	3,920,768	3,436,648	3,376,010
Sinking funds and reserves	51,287	157,338	(1)88,730,860	440,009	484,695	451,039
Investment in railways and miscellaneous	1,947,022	4,349,572	1,254,347	1,480,762	942,745	3,896,927
Total debits	24,406,231	27,105,623	112,913,326	23,572,229	37,219,078	29,836,038
Total credits	3,765,261	3,352,785	2,462,984	1,405,062	3,937,107	13,304,030
Balance to General						
Balance Sheet	Dr. 7,428,656	Dr. 5,603,141	Dr. 112,630,847	Dr. 34,612,887	Cr. 15,075,901	Dr. 14,321,907

(1) See footnote (2), page 144

Newfoundland included from 1949 on.

Gross Earnings

	Year ended December 31					
	1946	1947	1948	1949	1950	1951
Rail line -						
Freight	531,790,934	607,814,158	698,724,709	707,401,177	769,149,967	875,962,306
Passenger	100,040,667	87,798,544	83,511,260	85,082,087	78,553,778	89,005,763
Excess baggage	389,426	374,716	379,968	390,938	346,063	358,912
Sleeping cars	8,852,892	7,923,596	7,772,336	8,947,770	8,320,013	9,321,109
Parlour and chair cars	624,709	694,036	667,242	850,115	766,115	787,951
Mail	8,563,603	8,855,708	9,180,136	9,388,085	14,655,661	12,472,970
Express	27,663,820	30,174,517	32,451,950	35,933,394	36,048,678	42,037,100
Other Passenger train	93,554	71,713	86,321	91,948	86,002	85,196
Milk	640,673	605,325	642,534	606,094	557,453	578,340
Switching	5,728,035	6,304,205	6,798,192	6,459,701	6,613,116	8,107,649
Other freight train	-	-	868	-	8,679	-
Water transfer freight	165,935	210,497	230,799	1,040,032	1,231,001	1,410,404
" " passenger	29,227	40,810	43,955	356,917	380,924	458,612
Total	684,583,475	750,867,825	840,490,270	856,548,258	916,717,450	1,040,586,312
Water line -						
Freight	2,199,790	2,619,618	2,990,530	2,972,838	3,000,027	3,644,487
Passenger	423,143	466,107	476,709	481,383	306,665	377,283
Excess baggage	-	-	-	-	-	51
Mail	4,963	6,156	9,884	8,617	7,456	2,638
Express	2,309	2,435	2,225	3,617	1,956	3,530
Other	43,306	54,241	29,728	51,211	38,015	39,885
Total	2,673,511	3,148,557	3,509,076	3,517,666	3,354,119	4,067,874
Incidental -						
Dining and buffet	6,536,918	5,310,018	5,896,345	5,934,453	5,549,684	6,550,303
Hotel and restaurant	1,685,412	1,802,409	1,828,481	1,782,098	1,699,185	1,911,433
Station, train, etc., privileges	3,538,501	3,379,379	3,483,269	3,355,682	3,104,653	3,467,850
Parcel room	309,146	256,837	239,214	215,015	173,628	192,944
Storage - freight	197,313	288,591	350,595	342,513	325,786	730,893
" - baggage	170,481	137,461	127,594	115,047	93,635	118,767
Demurrage	3,033,577	3,773,196	3,214,795	2,032,464	1,848,226	3,860,716
Telegraph and telephone	8,134,993	8,522,457	8,735,167	10,230,710	11,683,990	13,309,116
Grain elevators	790,173	1,040,172	825,868	1,290,254	1,241,925	1,432,173
Stockyards	-	-	-	-	-	-
Rents of buildings, etc.	1,461,783	1,328,378	1,465,427	1,850,952	1,924,280	1,925,379
Miscellaneous	4,458,917	4,385,066	4,757,579	5,990,271	10,135,451	10,185,516
Power	41,740	41,959	46,810	55,380	43,288	35,466
Total	30,358,954	30,265,923	30,971,144	33,194,839	37,823,731	43,720,556
Joint facilities, Cr. balance ..	885,824	895,615	861,800	1,136,501	1,090,451	209,047
Gross earnings	718,501,764	785,177,920	875,832,290	894,397,264	958,985,751	1,088,583,789

Operating expenses -						
Maintenance of way & structures	122,093,160	134,097,450	159,963,352	164,891,364	163,998,704	202,490,988
Maintenance of equipment	135,933,150	145,614,589	174,473,389	186,067,026	189,507,197	224,184,671
Traffic	13,781,898	15,120,289	16,801,286	17,612,056	18,591,724	19,958,080
Transportation - Rail line	303,064,020	345,918,219	401,918,016	404,063,535	402,263,256	466,677,046
Transportation - Water line	1,455,417	1,702,536	1,886,514	1,969,910	1,730,951	1,976,191
Miscellaneous operations	13,989,933	13,068,758	14,585,751	15,018,118	14,308,788	15,605,498
General expenses	33,211,894	35,299,206	38,498,147	41,834,437	43,325,942	46,684,588
Total	623,529,472	690,821,047	808,126,455	831,456,446	833,726,562	977,577,062

Newfoundland included from 1949 on.

Operating Statistics

	Year ended December 31					
	1946	1947	1948	1949	1950 ^f	1951 ^f
Average single track mileage	42,347	42,313	42,306	42,863	42,982	42,945
Locomotive miles -						
<u>Steam</u>						
Freight	84,771,263	89,820,353	90,691,684	87,546,030	85,090,069	85,913,629
Passenger	45,667,161	45,283,562	45,642,654	44,871,662	42,413,540	45,076,508
Total	130,438,424	135,103,915	136,334,338	132,417,692	127,503,609	130,990,137
Switching	31,454,007	32,745,961	31,778,213	27,669,621	26,463,597	27,093,914
Non-revenue	3,447,787	4,096,997	4,257,156	3,589,407	3,659,562	4,180,027
Grand Total	165,340,218	171,946,873	172,369,707	163,676,720	157,626,768	162,264,078
Electric & Motor unit -						
Freight	58,023	197,697	573,551	1,459,097	3,722,852	9,798,115
Passenger	377,096	618,987	774,499	1,257,798	1,749,884	1,961,478
Total	435,119	816,684	1,348,050	2,716,895	5,472,736	11,759,593
Switching	3,009,975	4,174,587	5,612,899	7,950,120	9,566,490	11,576,677
Non-revenue	9,981	6,173	8,544	25,858	102,566	185,779
Grand Total	3,455,075	4,997,444	6,969,493	10,692,873	15,141,792	23,522,049
Total Locomotive miles -						
Freight	84,829,286	90,018,050	91,265,235	89,005,127	88,812,921	95,711,744
Passenger	46,044,257	45,902,549	46,417,153	46,129,460	44,163,424	47,037,986
Total	130,873,543	135,920,599	137,682,388	135,134,587	132,976,345	142,749,730
Switching	34,463,982	36,920,548	37,391,112	35,619,741	36,030,087	38,670,591
Non-revenue	3,457,768	4,103,170	4,265,700	3,615,265	3,762,128	4,365,806
Grand total	168,795,293	176,944,317	179,339,200	174,369,593	172,768,560	185,786,127
Train miles -						
<u>Drawn by locomotives -</u>						
Freight	77,793,668	82,377,565	83,398,617	81,648,053	81,397,148	87,181,640
Passenger	44,205,827	43,942,037	44,628,493	44,342,869	42,454,046	44,976,228
Total	121,999,495	126,319,602	128,027,110	125,990,922	123,851,194	132,157,868
Non-revenue	2,502,910	2,937,660	3,008,015	2,519,889	2,610,302	3,569,927
<u>Drawn by motor unit car -</u>						
Freight	1,295	-	-	-	-	-
Passenger	1,495,029	1,425,688	1,473,075	1,337,140	1,290,118	1,224,719
Total	1,496,324	1,425,688	1,473,075	1,337,140	1,290,118	1,224,719
Non-revenue	-	-	-	-	-	-
Total revenue train miles -						
Freight	77,794,963	82,377,565	83,398,617	81,648,053	81,397,148	87,181,640
Passenger	45,700,856	45,367,725	46,101,568	45,680,009	43,744,164	46,200,947
Total	123,495,819	127,745,290	129,500,185	127,328,062	125,141,312	133,382,587
Freight car miles -						
<u>In revenue freight trains -</u>						
Freight loaded	2,006,565,894	2,158,263,607	2,136,273,745	2,076,080,614	2,102,531,537	2,276,541,387
Freight empty	889,341,495	936,391,975	901,276,962	934,222,404	910,635,517	1,021,239,544
Caboose	77,504,264	81,991,246	83,153,733	81,330,429	80,779,907	86,560,261
Total	2,973,411,653	3,176,646,828	3,120,704,440	3,091,633,447	3,093,946,961	3,384,341,192
<u>Freight car miles - Loaded & Empty (including Caboose)</u>						
In passenger trains	7,444,185	9,241,442	6,329,238	5,971,147	5,740,568	6,148,868
In non-revenue trains	9,780,981	9,215,643	11,683,929	10,171,891	9,674,468	10,560,435
Grand Total	2,990,636,819	3,195,103,913	3,138,717,607	3,107,776,485	3,109,361,997	3,401,050,495

‡ to † Excludes Newfoundland.

‡ Includes British Yukon Railway.

† Includes Newfoundland.

Operating Statistics (Continued)

	Year ended December 31					
	1946	1947	1948	1949	1950 †	1951 †
<u>Passenger car miles -</u>						
<u>In revenue passenger trains -</u>						
<u>Drawn by locomotives -</u>						
Motor unit car	9,314	1,134	-	✕ 693	1,205	-
Passenger	122,524,135	111,632,972	113,642,168	107,303,641	98,943,058	107,181,552
Sleeper, parlour & observation	118,861,855	111,875,609	112,627,110	112,269,854	107,139,493	111,980,449
Dining	19,791,343	18,054,316	18,374,129	17,678,507	17,568,796	18,044,472
Express	66,979,859	68,914,191	75,602,639	79,122,075	77,264,158	81,776,817
Other passenger train car	62,575,699	63,017,905	64,666,189	65,272,412	66,043,455	69,479,647
Total	390,742,205	373,496,127	384,912,235	381,647,182	366,960,165	388,462,937
<u>Drawn by motor unit cars -</u>						
Motor unit car	1,577,525	1,474,577	1,518,204	1,388,884	1,329,251	1,264,264
Passenger	1,383,502	1,178,728	1,212,558	1,005,410	987,843	989,882
Sleeper, parlour & observation	-	-	160	-	157	-
Dining	1,449	-	48	-	-	-
Express	77,199	65,333	58,213	44,067	26,779	19,411
Other passenger train car	85,903	77,771	64,416	45,456	26,189	17,018
Total	3,125,578	2,796,409	2,853,599	2,483,817	2,370,219	2,290,575
<u>Total passenger train car miles</u>						
<u>in passenger trains -</u>						
Motor unit car	1,586,839	1,475,711	1,518,204	1,389,577	1,330,456	1,264,264
Passenger	123,907,637	112,811,700	114,854,726	108,309,051	99,930,901	108,171,434
Sleeper, parlour & observation	118,861,855	111,875,609	112,627,270	112,269,854	107,139,650	111,980,449
Dining	19,792,792	18,054,316	18,374,177	17,678,507	17,568,796	18,044,472
Express	67,057,058	68,979,524	75,660,852	79,166,142	77,290,937	81,796,228
Other passenger train car	62,661,602	63,095,676	64,730,605	65,317,868	66,069,644	69,496,665
Total	393,867,783	376,292,536	387,765,834	384,130,999	369,330,384	390,753,512
In freight trains	21,849,088	22,147,929	22,837,247	23,216,336	23,382,013	24,337,565
In non-revenue trains	173,718	206,171	86,328	73,894	88,158	87,657
Grand Total	415,890,589	398,646,636	410,689,409	407,421,229	392,800,555	415,178,734
Motor bus miles	207,004	226,814	288,602	293,533	342,700	357,877
Motor truck miles	-	-	-	-	-	-
<u>Averages -</u>						
Locomotive miles per mile of road	3,986	4,182	4,239	4,119	4,020	4,326
Train miles per mile of road	2,975	3,088	3,132	3,067	2,972	3,189
Loaded freight cars per freight train ..	25.79	26.20	25.62	25.43	25.83	26.11
Empty " " " " " " ..	11.43	11.37	10.81	11.44	11.19	11.71
Total freight train cars per freight train	38.22	38.56	37.42	37.87	38.01	38.82
Passenger train cars per passenger train drawn by locomotive	8.84	8.50	8.62	8.61	8.64	8.64
Passenger cars per passenger train drawn by locomotive	5.46	5.09	5.07	✕ 4.95	4.85	4.87
<u>Freight traffic-Revenue Freight - Tons -</u>						
Originated on Canadian railways †	98,776,929	108,930,508	112,767,697	†108,560,203	108,147,330	122,165,277
Rec'd from Foreign connections †	40,479,196	43,925,312	42,165,107	34,159,228	36,070,989	39,095,244
Total tons originated	139,256,125	152,855,820	154,932,804	142,719,431	144,218,319	161,260,521
Interchanged between Cdn. Railways	21,361,037	22,709,706	21,807,421	19,572,795	20,140,601	23,102,905
Total tons	160,617,162	175,565,526	176,740,225	162,292,226	164,358,920	184,363,426
Tons carried one mile (thousands)	55,310,308	60,143,035	59,080,323	56,338,231	55,537,900	64,300,418
Tons originated per mile of road	3,288	3,613	3,662	3,330	3,355	3,755
Tons carried one mile per mile of road .	1,306,121	1,421,384	1,396,500	† 1,314,379	1,292,120	1,497,274
Average tons per freight train	711	730	708	✕ 689	682	738

(1) Includes all trailer car miles in motor unit trains.

(2) Includes motor unit car miles.

† Adjusted for foreign grain loaded from port elevators.

† to † Includes Newfoundland.

✕ to ✕ Excludes Newfoundland

Operating Statistics (Continued)

	Year ended December 31					
	1946	1947	1948	1949	1950 /	1951 /
Average haul per ton per rly.-Miles (Total)	344	343	334 X	348	338	349
Average haul per ton, all rlys.-" (Orig.)	397	393	381 X	396	385	399
Freight traffic - Revenue and non-revenue freight-						
Tons carried	179,966,180	198,417,289	199,010,001	182,036,486 /	184,477,378	205,073,912
Tons carried one mile (thousands)	60,096,497	65,234,600	64,427,771	61,660,198 /	60,789,130	69,690,709
Average tons per loaded car mile	29.95	30.23	30.16	X 29.65	28.91	30.61
Gross ton miles (thousands)	128,311,938	138,329,929	136,408,916	133,306,378	133,103,840	148,547,147
Gross ton miles per freight train mile	1,649	1,679	1,636	1,633	1,635	1,704
Gross ton miles per mile of road	3,030,012	3,269,206	3,224,339	X 3,148,920	3,096,734	3,459,009
Passenger traffic -						
Passengers carried	43,405,177	40,941,387	38,279,981	34,883,803 /	31,139,092	30,995,604
Passengers carried one mile (thousands)	4,648,558	3,732,777	3,477,273	3,193,174 /	2,816,154	3,110,241
Passengers carried per mile of road	1,025	968	905	X 818	724	722
Passengers carried one mile per mile of road	109,773	88,218	82,193	74,573	65,519	72,424
Average number of passengers per passenger train	102	82	75	69	64	67
Average number of passengers per passenger train car mile	12	10	9	8	8	8
Average number of passengers per passenger car	19	17	15	14	14	14
Average distance each railway carried a passenger	107.1	91.2	90.8	X 91.2	90.4	100.3
Freight revenue - Rail line - \$						
Freight receipts	531,790,934	607,814,158	698,724,709	707,401,177 /	769,149,967	875,962,306
Switching receipts	5,728,035	6,304,205	6,798,192	6,459,701	6,613,116	8,107,649
Other freight train receipts and water transfers	165,935	210,497	231,667	1,040,032	1,239,680	1,410,404
Total freight revenue	537,684,904	614,328,860	705,754,568	714,900,910 /	777,002,763	885,480,359
Average freight rev. per mile of road	12,697	14,519	16,682	X 16,794	18,077	20,619
Average freight receipts per mile of road	12,558	14,365	16,516	16,627	17,895	20,397
Average freight receipts per freight train mile	6.83	7.38	8.38	8.62	9.45	10.05
Average freight receipts per loaded freight car mile	26.5¢	28.2¢	32.7¢	33.9¢	36.6¢	38.48¢
Average freight receipts per ton originated	\$3.82	\$3.98	\$4.51	\$4.96	\$5.33	\$5.43
Average freight receipts per ton mile	0.961¢	1.009¢	1.183¢	X 1.252¢	1.385¢	1.362¢
Passenger revenue - Rail line - \$						
Passenger receipts	100,040,667	87,798,544	83,511,260	85,082,087 /	78,553,778	89,005,763
Sleeper, parlour, observation car receipts	9,477,601	8,617,632	8,439,578	9,797,885	9,086,128	10,109,060
Excess baggage	389,426	374,716	379,968	390,938	346,063	358,912
Mail	8,563,603	8,855,708	9,180,136	9,388,085	14,655,661	12,472,970
Express ¢	27,663,820	30,174,517	32,451,950	35,933,394	36,048,678	42,037,100
Milk	640,673	605,325	642,534	606,094	557,453	578,340
Other passenger train revenue and water transfer	122,781	112,523	130,276	448,865 /	466,926	543,808

¢ Includes gross revenues of express traffic handled by Canadian National Railways.

/ to / Includes Newfoundland.

X to X Excludes Newfoundland.

Operating Statistics (Concluded)

	Year Ended December 31					
	1946	1947	1948	1949	1950	1951
Passenger revenue - Rail Line (Concluded)						
Total passenger train revenue	\$146,898,571	\$136,538,965	\$134,735,702	\$141,647,348	\$139,714,687	\$155,105,953
Average passenger train revenue per mile of road	\$ 3,468.93	\$ 3,226.88	\$ 3,184.79	\$ 3,288.28	\$ 3,250.54	\$ 3,611.73
Average passenger train revenue per passenger train mile	\$ 3.21	\$ 3.01	\$ 2.92	\$ 3.05	\$ 3.19	\$ 3.36
Average passenger train revenue per passenger train car mile	37.3¢	36.3¢	34.7¢	36.2¢	37.8¢	39.7¢
Average passenger receipts per passenger per railway	\$ 2.30	\$ 2.14	\$ 2.18	\$ 2.43	\$ 2.52	\$ 2.87
Average passenger receipts per passenger mile	2.15¢	2.35¢	2.40¢	2.66¢	2.79¢	2.86¢
Average passenger receipts per passenger car mile	40.9¢	38.82¢	36.47¢	37.87¢	37.69¢	40.20¢
Average sleeper, etc., receipts per sleeper, etc., car miles	8.0¢	7.7¢	7.5¢	8.6¢	8.5¢	9.0¢
Revenue Water Line -						
Freight	\$ 2,199,790	\$ 2,619,618	\$ 2,990,530	\$ 2,972,838	\$ 3,000,027	\$ 3,644,487
Passenger, baggage, mail, express	430,415	466,107	488,818	493,617	316,077	383,502
Other	43,306	62,832	29,728	51,211	38,015	39,885
Total	2,673,511	3,148,557	3,509,076	3,517,666	3,354,119	4,067,874
Gross Earnings from Operation, Rail and Water -						
Freight, rail and water	\$539,884,694	\$616,948,478	\$708,745,098	\$717,873,748	\$780,002,790	\$889,124,846
Passenger, rail and water	147,328,986	137,005,072	135,224,520	142,140,965	140,030,764	155,489,455
Other earnings from operation	31,288,084	31,224,370	31,862,672	34,382,551	38,952,197	43,969,488
Total	718,501,764	785,177,920	875,832,290	894,397,264	958,985,751	1,088,583,789
Operating expenses	623,529,472	690,821,047	808,126,455	831,456,446	833,726,562	977,577,062
Net operating revenue	94,972,292	94,356,873	67,705,835	\$ 62,940,818	125,259,189	111,006,727
Operating ratio	86.8	87.98	92.27	92.61	86.94	89.80
Gross earnings per mile of road	\$ 16,967.01	\$ 18,556.42	\$ 20,702.32	\$ 20,944	\$ 22,311	\$ 25,348
Gross earnings per revenue train mile	\$ 5.82	\$ 6.15	\$ 6.76	\$ 6.96	\$ 7.66	\$ 8.16

† to † Includes Newfoundland. X to X Excludes Newfoundland.

Taxes

Province	Year Ended December 31					
	1946	1947	1948	1949	1950	1951
Newfoundland	-	-	-	4,064	59	4,310
Prince Edward Island	294	326	359	3,829	3,829	3,787
Nova Scotia	15,739	382,727	89,095	87,080	88,558	83,302
New Brunswick	57,942	237,596	114,249	126,158	149,530	200,953
Quebec	2,233,229	2,403,789	2,627,900	2,701,631	2,787,114	1,601,197
Ontario	2,119,750	2,784,766	3,415,561	3,260,951	3,468,467	4,035,643
Manitoba	74,852	73,549	1,003,400	1,035,342	1,830,129	1,384,025
Saskatchewan	14,403	14,464	624,829	660,280	625,318	720,669
Alberta	413,771	456,428	519,881	583,251	609,718	682,188
British Columbia	834,774	984,192	1,090,327	1,203,062	1,219,824	1,307,451
Yukon	6,188	9,200	7,622	7,596	13,059	10,287
Income and Excess Profits Tax	14,813,750	14,317,810	5,504,095	2,797,492	15,193,201	18,954,092
Unemployment Insurance	2,000,511	2,003,754	2,494,159	3,379,833	3,788,952	4,779,879
Other Special Tax	207,994	211,764	234,441	242,173	271,613	277,259
Outside Canada	1,726,147	2,501,798	2,011,999	2,114,305	2,269,719	2,383,722
Total	24,519,344	26,382,163	19,737,917	18,207,047	32,319,090	36,428,764
Taxes paid by Railway Bridge Companies	9,332	8,532	4,877	4,891	4,298	5,272
" " " Pullman Company	Cr. 1,986	1,669	16,551	Cr. 24,765	-	-
Grand Total	24,526,690	26,392,364	19,759,345	18,187,173	32,323,388	36,434,036

† Includes Taxes on Lake Erie and Detroit River Railway which are paid as rent by the Chesapeake and Ohio Railway (Pere Marquette District).

X Traffic Handled for Year ended December 31

	1946	1947	1948	1949	1950	1951
	Tons	Tons	Tons	Tons	Tons	Tons
Agricultural Products -						
Wheat	12,195,199	12,888,800	11,221,579	12,861,460	10,180,638	15,444,631
Corn	815,955	1,173,891	792,332	1,011,225	928,237	962,224
Oats	3,352,329	2,929,297	2,356,099	2,523,349	1,998,361	2,679,391
Barley	2,133,461	2,337,196	2,431,251	2,184,213	1,815,905	2,910,465
Rye	178,653	569,583	372,885	383,464	251,726	260,290
Flaxseed	254,815	344,762	565,739	268,626	103,917	216,167
Other Grain	247,635	411,220	351,820	347,990	330,294	354,650
Flour	2,672,368	2,929,758	2,302,510	2,012,513	1,996,281	2,222,861
Other mill products	3,853,012	3,662,558	2,853,657	2,463,699	2,479,974	2,565,747
Hay and straw	426,533	367,462	340,877	242,658	228,792	176,994
Cotton	197,174	195,558	183,080	204,733	226,042	210,137
Apples (fresh)	305,678	258,849	210,553	228,086	249,086	191,554
Other fruit (fresh)	890,042	811,210	663,711	610,833	567,896	615,445
Potatoes	939,138	1,056,310	1,075,052	930,629	864,257	731,980
Other fresh vegetables	512,213	540,308	421,196	457,588	460,283	481,071
Other agricultural products	1,897,658	1,603,561	1,514,110	1,559,255	1,694,169	1,715,791
Total	30,871,863	32,080,323	27,656,451	28,290,321	24,375,858	31,739,398
Animal Products -						
Horses	128,003	104,609	79,118	42,842	64,119	70,636
Cattle and Calves	777,414	638,577	773,276	667,524	591,652	446,577
Sheep	58,347	42,100	38,216	31,329	27,510	23,440
Hogs	265,421	273,800	262,586	234,870	223,765	218,516
Dressed meats (fresh)	701,083	619,633	669,675	618,291	551,334	545,615
Dressed Meats (cured, salted, canned)..	221,636	201,786	161,539	83,736	76,822	60,171
Other packing house products (edible)..	130,862	139,436	111,064	192,239	135,884	209,481
Poultry (live)	6,772	705	846	259	26	69
Eggs	138,921	141,824	112,251	61,060	21,597	14,250
Butter	103,587	113,716	95,079	78,189	80,015	87,763
Cheese	137,378	130,821	108,849	98,124	70,412	84,735
Wool	166,001	104,060	90,922	67,160	80,489	66,324
Hides and Leather	182,216	186,636	171,145	166,565	151,949	134,084
Other animal Products (non-edible)	239,204	195,890	214,903	197,287	226,651	234,666
Total	3,256,845	2,893,593	2,889,469	2,539,475	2,302,225	2,196,327
Mine Products -						
Anthracite Coal	4,853,090	5,001,377	5,675,849	4,099,390	4,481,323	4,110,389
Bituminous coal	14,976,072	14,705,645	16,587,478	13,946,461	15,058,571	14,505,205
Sub-bituminous coal	2,660,006	2,541,982	2,426,229	2,340,378	2,400,271	2,151,652
Lignite coal	1,198,309	1,223,106	1,272,774	1,521,762	1,787,973	1,802,473
Coke	2,226,318	1,967,287	2,141,063	1,805,620	1,899,872	2,223,652
Iron ore and concentrates	1,710,963	1,959,493	1,377,821	1,993,804	3,084,845	3,386,400
Copper ore and concentrates	787,134	1,585,364	1,995,647	2,203,150	2,142,768	2,144,342
Other ores and concentrates	4,763,702	6,356,911	7,814,264	7,518,998	7,085,333	7,753,787
Base bullion, matte, pig and ingot (non-ferrous metals)	1,167,234	1,291,728	1,457,668	1,330,464	1,427,581	1,446,910
Sand and gravel	2,708,467	3,210,425	3,556,854	3,118,677	3,582,966	3,900,617
Stone (crushed, ground, broken)	2,261,027	2,942,111	2,989,724	2,629,652	2,788,301	3,486,464
Slate, dimension or block stone	130,038	152,472	206,356	190,990	142,822	134,799
Crude petroleum	1,160,409	1,378,232	1,459,767	1,748,495	1,814,069	696,969
Asphalt (natural, by product petroleum)	387,401	500,453	539,363	551,757	557,585	564,068
Salt	621,920	706,872	632,074	586,485	656,451	716,970
Other mine products	4,119,659	5,701,338	6,600,011	6,155,367	6,837,689	7,030,409
Total	45,731,749	51,224,796	56,732,942	51,741,450	55,748,420	56,055,106

X Duplications excluded.

Newfoundland included from 1949 on.

X
Traffic Handled for Year ended December 31 (Concluded)

	1946	1947	1948	1949	1950	1951
	Tons	Tons	Tons	Tons	Tons	Tons
Forest Products -						
Logs, Posts, poles, piling	1,627,938	1,639,274	1,582,800	1,439,447	1,350,064	1,832,259
Cordwood and other firewood	1,095,077	799,174	623,070	457,848	440,306	355,213
Ties	110,284	152,065	126,503	78,053	64,341	107,500
Pulpwood	6,727,929	7,860,080	8,995,154	6,555,770	5,521,412	9,970,231
Lumber, timber, box, crate and cooperage						
Material	6,771,672	7,797,668	7,514,232	6,418,854	7,778,428	7,867,659
Plywood	-	-	-	193,197	246,911	286,756
Other forest products	516,641	588,889	600,610	453,229	428,877	416,299
Total	16,849,541	18,837,150	19,442,369	15,596,398	15,830,339	20,835,917
Manufactures and Miscellaneous -						
Gasoline	2,600,613	2,794,194	3,074,433	3,268,421	3,199,869	3,421,566
Petroleum oils and other petroleum products (except asphalt & gasoline)	2,007,802	2,791,514	2,596,511	2,538,047	3,026,258	3,300,499
Sugar	480,889	518,115	595,783	654,862	552,522	492,742
Iron, pig and bloom	684,037	896,902	1,097,690	961,551	1,069,188	1,365,847
Rails and fastenings	179,150	200,874	256,548	258,285	243,207	256,515
Iron and steel (bar-sheet-structural pipe)...	2,213,340	2,808,025	2,989,652	2,720,250	2,633,274	3,501,728
Castings, machinery and boilers	467,585	663,088	645,173	540,974	484,961	626,182
Cement	1,227,367	1,369,107	1,637,888	2,070,993	1,843,911	1,962,339
Brick and artificial stone	567,193	690,228	697,843	628,081	664,385	815,328
Lime and plaster	499,347	589,384	669,932	662,499	725,955	790,933
Sewer pipe and drain tile	64,914	92,459	96,810	87,929	87,109	102,432
Agricultural implements and vehicles other than autos	440,219	685,471	725,774	745,433	640,197	704,808
Automobiles, auto trucks and auto parts	1,670,817	2,210,709	2,162,322	2,102,622	2,517,930	2,456,566
Household goods and settlers' effects	52,755	43,163	40,963	33,215	28,426	27,227
Furniture	96,730	106,588	100,238	98,749	104,360	116,535
Liquor, beverages	913,371	903,886	850,092	786,728	656,073	761,907
Fertilizers, all kinds	2,287,450	2,207,073	2,129,963	2,091,058	1,962,785	1,936,017
Newsprint paper	3,483,627	3,825,252	3,809,313	3,747,561	3,844,113	4,056,679
Other paper	723,531	809,600	923,299	735,367	841,928	970,935
Paperboard, pulpboard & wallboard (paper)....	547,218	652,056	685,619	629,879	696,908	790,236
Wood pulp	1,829,305	2,217,307	2,311,901	1,791,868	2,311,057	2,750,103
Fish (fresh, frozen, cured, etc.)	185,684	147,571	151,527	138,730	113,566	102,412
Canned goods (all canned food products except meats)	1,457,665	1,500,676	1,316,963	1,088,062	1,141,738	1,193,636
Other manufactures and miscellaneous	13,767,973	14,713,960	14,538,658	12,558,566	13,242,557	14,709,644
Merchandise (all L.C.L. freight)	4,097,545	4,382,756	4,106,678	3,612,057	3,329,200	3,220,957
Total	42,546,127	47,819,958	48,211,573	44,551,787	45,961,477	50,433,773
Grand Total	139,256,125	152,855,820	154,932,804	142,719,431	144,218,319	161,260,521

X Duplications excluded.

Newfoundland included from 1949 on.

Freight Cars in Service

	Year Ended December 31	Number	Capacity - Tons	
			Total	Average
Box	1945	117,886	5,005,345	42.459
	1946	116,809	4,975,835	42.298
	1947	119,589	5,131,645	42.911
	1948	123,539	5,351,385	43.317
	1949	124,651	5,411,032	43.409
	1950	122,419	5,336,392	43.591
	1951	127,714	5,640,572	44.166
Flat	1945	10,892	469,559	43.110
	1946	10,868	467,429	43.010
	1947	10,453	451,519	43.195
	1948	10,326	445,979	43.190
	1949	10,951	469,714	42.892
	1950	11,263	487,479	43.281
	1951	11,062	478,639	43.269
Stock	1945	6,437	214,255	33.285
	1946	6,382	212,335	33.271
	1947	6,277	209,125	33.316
	1948	6,115	203,695	33.311
	1949	6,648	225,625	33.939
	1950	6,655	227,615	34.202
	1951	6,509	223,295	34.306
Coal	1945	21,340	1,207,623	56.590
	1946	20,938	1,187,881	56.733
	1947	21,618	1,233,415	57.055
	1948	X 23,451	1,368,457	58.354
	1949	25,658	1,521,175	59.287
	1950	25,343	1,509,778	59.574
	1951	25,412	1,514,034	59.579
Tank	1945	343	15,010	43.761
	1946	358	15,290	42.709
	1947	354	15,170	42.853
	1948	353	15,130	42.861
	1949	454	19,430	42.797
	1950	469	20,535	43.785
	1951	460	20,165	43.837
Refrigerator	1945	6,372	234,747	36.840
	1946	6,467	245,677	37.989
	1947	6,673	258,782	38.780
	1948	7,240	290,292	40.096
	1949	7,921	324,777	41.002
	1950	8,050	332,512	41.306
	1951	8,231	344,612	41.868
Other	1945	1,499	87,600	58.439
	1946	1,523	89,980	59.081
	1947	1,487	89,430	60.141
	1948	1,382	82,890	59.978
	1949	1,331	80,935	60.808
	1950	1,398	86,655	61.985
	1951	1,337	84,955	63.542
Total	1945	164,769	7,234,139	43.905
	1946	163,345	7,194,427	44.044
	1947	166,451	7,389,086	44.392
	1948	172,406	7,757,828	44.997
	1949	177,614	8,052,688	45.338
	1950	175,597	8,000,966	45.564
	1951	180,725	8,306,272	45.961

X Includes 75 cars transferred from "Other".

Newfoundland included from 1949 on.

Passenger Cars in Service

	Year ended December 31					
	1946	1947	1948	1949	1950	1951
Motor Unit passenger	64	64	60	54	52	49
Coach	2,177	2,101	2,125	2,173	2,211	2,169
Combination passenger	354	361	344	337	337	339
Colonist	378	355	353	347	333	315
Dining	197	185	186	195	196	196
Parlour	160	173	175	175	176	153
Sleeping	770	762	761	775	795	803
Baggage, express and postal	1,634	1,619	1,677	1,766	1,808	2,201
Other	XX 407	405	418	402	430	141
♢ Total	6,141	6,030	6,099	6,224	6,338	6,366
<u>Cars in Company Service -</u>						
Caboose	2,876	2,901	2,964	3,138	3,150	3,187
All other	13,510	13,753	13,736	13,942	14,124	14,456
Total	16,386	16,654	16,700	17,080	17,274	17,643
Cars Leased (included in above)	561	49	228	229	219	307
Motor buses	10	12	13	11	10	13
Motor trucks	11	12	12	13	14	20

XX Includes 3 auto railers.

♢ Includes Pullman Co. cars in Canadian Service.

Locomotives in Service

	As at December 31					
	1946	1947	1948	1949	1950	1951
<u>Locomotives -</u>						
Steam -						
Coal Burning	4,387	4,364	4,340	4,351	3,730	3,553
Oil Burning	■	■	■	■	542	555
C.I. Oil Electric	29	54	X 148	246	350	574
Electric	34	33	■ 33	30	33	33
Total	4,450	4,451	4,521	4,627	4,655	4,715
Leased (included in above)	37	56	58	55	58	51
Tractive power, average pounds per						
Locomotive	41,907	41,990	42,051	41,923	42,179	42,488

X Includes 84 diesel locomotives formerly included with switching locomotives

■ Included with coal burning locomotives.

Newfoundland included from 1949 on.

Fuel Consumed by Locomotives

Class of Locomotive	Year ended December 31					
	1946	1947	1948	1949	1950	1951
	Tons	Tons	Tons	Tons	Tons	Tons
Freight	7,559,484	8,190,724	8,322,476	8,095,289	7,970,156	8,381,479
Passenger	2,786,575	2,761,416	2,822,427	2,740,255	2,586,827	2,759,780
Switching	1,699,159	1,792,047	1,736,738	1,489,814	1,450,705	1,521,024
Non-revenue	236,091	290,519	307,671	255,751	265,612	300,153
Total Tons	12,281,309	13,034,706	13,189,312	12,581,109	12,273,300	12,962,436
Total cost	\$75,335,096	\$89,683,084	\$103,358,127	\$100,451,839	\$97,598,120	\$105,325,378
Average cost per ton	\$6.13	\$6.88	\$7.84	\$7.98	\$7.95	\$8.13
<u>Rail motor cars</u> -Gasoline...gals.	264,230	232,084	298,171	233,304	250,189	213,333
Diesel oil "	304,008	284,366	248,134	223,319	199,042	217,083
Fuel oil .. "	6,485	-	-	-	-	-
Total cost	\$ 80,188	\$ 80,585	\$ 108,183	\$ 87,505	\$ 88,709	\$ 81,319
<u>Motor buses and motor trucks</u> -						
Gasoline...gals.	44,814	47,806	57,783	57,304	71,542	73,086
Total cost	\$ 14,090	\$ 15,878	\$ 21,458	\$ 22,313	\$ 28,683	\$ 29,917

Fuel Consumed per 100 Locomotive Miles $\frac{1}{2}$

Class of Locomotive	Year ended December 31					
	1946	1947	1948	1949	1950	1951
	Tons	Tons	Tons	Tons	Tons	Tons
Freight	8.24	8.40	8.43	8.42	8.30	8.12
Passenger	6.01	5.97	6.04	5.90	5.81	5.82
Switching	6.24	6.15	5.87	5.29	5.10	4.95
Non-revenue	6.83	7.08	7.21	7.07	7.06	6.88

Cost of Fuel per 100 Locomotive Miles (1) $\frac{1}{2}$

Class of Locomotive	Year ended December 31					
	1946	1947	1948	1949	1950	1951
	\$	\$	\$	\$	\$	\$
Freight	50.54	57.81	66.05	67.25	65.99	65.94
Passenger	36.86	41.09	47.30	47.07	46.21	47.31
Switching	38.30	42.34	46.02	42.25	40.56	40.20
Non-revenue	41.88	48.72	56.52	56.48	56.14	55.86

(1) Exclusive of fuel used in rail motor cars. $\frac{1}{2}$ Tables revised to include train switching locomotive miles in freight and passenger locomotive miles. These miles were formerly included in switching. Locomotive miles now includes both steam and other.

Fuel consumed in Newfoundland included from 1949 on.

Fuel Analysis for the Year Ended December 31, 1951

Class of Locomotive	Bituminous Coal	Wood	Diesel Oil	Fuel Oil	Gasoline	Total
	Tons	Cords	Gallons	Gallons	Gallons	Tons
Freight	6,824,540	1,874	29,027,387	133,351,420	-	8,381,479
Passenger	2,194,528	534	4,640,819	61,804,117	-	2,759,780
Switching	1,241,197	327	8,367,597	15,881,501	-	1,521,024
Non-revenue	244,477	53	172,157	7,140,318	-	300,153
Total	10,504,742	2,788	42,207,960	218,177,356	-	12,962,436
Rail motor cars	-	-	217,083	-	213,333	-
Motor buses and trucks	-	-	-	-	73,086	-
Total cost	\$ 87,205,677	12,225	6,276,770	11,863,596	78,346	105,436,614

Consumption of Fuel for Purposes Other than Locomotive Fuel

	1946	1947	1948	1949	1950	1951
Anthracite	Tons 11,141	16,869	27,102	12,020	13,618	17,285
Bituminous	Tons 657,619	755,633	742,400	682,484	662,595	578,701
Lignite	Tons 358,581	334,018	330,930	314,236	352,341	398,282
Fuel Oil	Gals. 16,234,041	16,759,938	17,691,556	20,044,806	23,755,514	27,709,573
Diesel Oil	Gals. 1,162,498	1,517,352	1,987,481	2,976,716	2,887,302	2,665,646
Gasoline	Gals. 1,924,066	2,434,723	2,824,698	2,848,039	2,951,759	3,241,246

Rails Laid in Track

	1946 †	1947 †	1948 †	1949 †	1950 †	1951 †
<u>In Previously Constructed Track-</u>						
New Open Hearth	147,075	151,292	143,908	199,597	266,160	221,877
Relay	170,246	170,497	193,144	213,861	222,328	257,489
Other	1,024	Cr. 167	831	848	645	989
Total Tons	318,345	321,622	337,883	414,306	489,133	480,355
<u>In New Track and Extensions -</u>						
New Open Hearth	184	28	410	869	490	3,300
Relay	14,631	12,304	22,020	17,679	13,567	27,498
Other	439	347	344	162	132	299
Total Tons	15,254	12,679	22,774	18,710	14,189	31,097

Rails Laid During Year Ended December 31, 1951 †

	New		Relays		Total Tons Laid	Total Cost \$
	Tons	Cost	Tons	Cost		
50 lbs. and under 60 lbs.	-	-	16	500	16	500
60 " " " 70 "	39	1,263	862	21,628	901	22,891
70 " " " 75 "	49	1,618	46	1,289	95	2,907
75 " " " 80 "	2,234	245,228	10,112	221,826	12,346	467,054
80 " " " 85 "	-	-	23,481	527,649	23,481	527,649
85 " " " 90 "	13,227	1,206,963	69,618	1,546,122	82,845	2,753,085
90 " " " 95 "	1,114	102,142	1,752	44,299	2,866	146,441
95 " " " 100 "	-	-	-	-	-	-
100 " " " 105 "	174,190	15,085,068	173,728	3,874,054	347,918	18,959,122
105 " " " 110 "	58	5,388	1,193	38,753	1,251	44,141
110 "	-	-	33	839	33	839
112 "	1	62	-	-	1	62
115 "	20,551	1,777,430	3	63	20,554	1,777,493
127 "	1,056	95,924	828	34,434	1,884	130,358
130 "	12,658	1,089,464	4,603	102,633	17,261	1,192,097
Total	225,177	19,610,550	286,275	6,414,089	211,452	26,024,639

† Long tons (2,240 lbs.).

† Short tons (2,000 lbs.).

Newfoundland included from 1949 on.

Total Switch Ties Placed in Track

	1946	1947	1948	1949	1950	1951
Treated - No. of M bd. feet	10,923	4,874	14,187	16,494	12,399	12,228
Average Cost	64.50	68.71	82.45	89.89	86.48	91.25
Untreated - No. of M bd. feet	6,392	3,860	4,794	4,834	4,092	3,778
Average Cost	37.08	51.25	65.75	67.36	71.59	80.03
Total - No. of M bd. feet	17,315	8,734	18,981	21,328	16,491	16,006
Average Cost	54.37	61.00	78.23	84.78	82.79	88.60

Railway Ties Purchased, Year Ended December 31

Summary
Hardwood

Kind	Number					
	1946	1947	1948	1949	1950	1951
Ash	69	99	12	-	-	-
Oak	43,061	23,857	6,863	31,041	38,012	37,463
Elm	1,905	427	539	-	-	2,477
Chestnut	-	-	-	-	-	-
Beech	71,002	52,093	106,707	118,436	82,499	121,665
Birch	626,191	433,821	677,115	758,815	429,842	418,214
Maple	176,457	162,644	346,905	376,302	235,118	281,717
Unclassified	39,897	61,687	24,817	27,225	69,484	56,157
Total	958,582	714,628	1,162,958	1,311,819	854,955	917,693

Softwood

Cypress	8,824	11,671	26,253	14,364	6,616	16,052
Cedar	123,164	135,952	129,781	64,338	46,049	39,151
Hemlock	247,549	222,750	356,631	278,866	179,352	177,703
Fir	1,583,013	1,739,074	2,069,764	1,308,256	963,138	1,259,419
Pine	5,167,836	4,722,602	5,967,768	4,914,992	3,678,674	3,824,780
Poplar	155	-	-	-	-	-
Tamarack	535,310	562,380	665,842	501,851	279,611	315,600
Spruce	-	227,005	191,427	64,038	49,623	121,209
Unclassified	338,112	52,763	54,543	28,761	3,207	43,275
Total	8,003,963	7,674,197	9,462,009	7,175,466	5,206,270	5,797,189

Cross Ties Placed in Track

<u>In Previously Constructed Track -</u>						
Treated Ties	5,269,660	5,434,551	5,675,228	6,366,917	6,600,171	6,369,026
Untreated Ties	2,946,191	2,293,812	2,183,686	1,736,095	1,255,795	907,869
Total Number	X 8,215,869	7,728,363	7,858,914	8,103,012	7,855,966	7,276,895
<u>In New Track and Extensions -</u>						
Treated Ties	107,966	105,494	228,807	264,089	154,644	334,441
Untreated Ties	54,147	41,229	171,633	53,222	59,461	96,883
Total Number	162,113	146,723	400,440	317,311	214,105	431,324
<u>Average Cost -</u>						
Treated Ties	1.90	1.99	2.16	2.32	2.32	2.38
Untreated Ties	1.11	1.18	1.39	1.38	1.32	1.50

X Includes 18 steel ties at \$122.

Newfoundland included from 1949 on.

Number of Persons Injured in Train and Non-Train Accidents
and Dying after Twenty-four Hours

	1946	1947	1948	1949	1950	1951
Trainmen	2	3	4	2	2	3
Trackmen	6	6	2	1	2	4
Switch tenders, etc.	-	-	-	-	-	-
Stationmen	2	-	-	1	1	-
Shopmen	1	4	2	4	1	1
Telegraph employees	-	-	-	-	-	-
Other employees	1	2	-	1	-	-
Passengers	1	-	1	3	2	2
Trespassers	4	1	1	3	3	3
Non-trespassers	6	7	6	12	2	7
Postal-clerks, etc.	-	-	-	-	-	-
Total	23	23	16	27	13	20

Time Lost by Employees Through Injuries

		Class of Accident	1946	1947	1948	1949	1950	1951
Trainmen	Number	T.	2,463	2,615	2,336	1,945	1,759	1,894
"	"	N. T.	655	327	290	136	172	115
"	Days absent .....	.....	89,761	82,279	74,959	62,993	55,155	58,001
Trackmen	Number	T.	98	136	148	118	175	111
"	"	N. T.	2,828	2,550	2,594	2,434	2,266	1,993
"	Days absent .....	.....	77,305	66,263	68,583	72,900	69,437	56,050
Switch tenders, etc.	Number	T.	3	2	179	158	133	167
"	"	N. T.	54	36	51	63	43	57
"	Days absent .....	.....	1,381	724	9,421	10,742	9,768	7,414
Stationmen	Number	T.	13	14	10	6	15	13
"	"	N. T.	1,300	1,246	897	772	756	773
"	Days absent .....	.....	29,091	27,721	22,454	17,594	19,067	16,946
Shopmen	Number	T.	37	34	56	38	42	66
"	"	N. T.	3,115	2,963	2,720	2,440	2,218	1,885
"	Days absent .....	.....	76,840	72,062	66,291	63,231	59,216	47,724
Telegraph Employees	Number	T.	2	9	5	16	7	4
"	"	N. T.	153	197	158	164	135	154
"	Days absent .....	.....	3,843	4,735	3,977	4,603	3,882	3,075
Other Employees	Number	T.	228	153	172	137	113	86
"	"	N. T.	457	338	364	367	274	333
"	Days absent .....	.....	16,037	9,686	13,372	13,090	9,270	9,906
Total	Number	T.	2,844	2,963	2,906	2,418	2,244	2,341
"	"	N. T.	8,562	7,657	7,074	6,376	5,864	5,310
"	Days absent .....	.....	294,258	263,470	259,057	245,153	225,795	199,116

T. - Train accidents. N.T. - Non-Train accidents. X Includes "Yardmen" formerly included with "Trainmen".

Number of Accidents Resulting from the Movement of Trains

Cause	1946	1947	1948	1949	1950	1951
Coupling and uncoupling	125	169	151	117	101	110
Collisions - between -						
Railway rolling stock	70	55	64	62	92	76
Trains or locomotives and motor vehicles or horse-drawn vehicles -						
At highway crossings	(292	(393	(395	(400	346	398
At other points .....	(	(	(	(	19	34
Track cars or hand cars and motor vehicles or horse-drawn vehicles -						
At highway crossings	(22	(36	(30	(22	11	10
At other points .....	(	(	(	(	4	1
Pedestrians struck by trains or locomotives, cars or hand cars, etc.						
At highway crossings	36	21	24	15	26	21
At other points	219	186	214	216	180	210
Derailments	36	39	28	33	32	36
Locomotives or cars breaking down	3	5	1	2	3	1
Getting on or off trains	659	704	744	626	477	552
Falling from trains, locomotives or cars	143	118	164	152	101	159
Striking overhead or other obstructions	30	32	36	28	26	27
Other causes	2,002	2,015	1,836	1,516	1,320	1,443
Total	3,637	3,773	3,687	3,189	2,738	3,078

Newfoundland included from 1949 on.

Accidents Resulting from the Movement of Trains
Number of Persons Killed

Causes	1946	1947	1948	1949	1950	1951
<u>Passengers</u>						
Coupling and uncoupling	-	-	-	-	-	-
Collisions - between -						
Railway Rolling Stock	-	27	8	1	16	-
Trains or locomotives and motor vehicles or horse-drawn vehicles -						
At highway crossings	-	-	-	-	-	-
At other points	-	-	-	-	-	-
Track cars or hand cars and motor vehicles or horse-drawn vehicles -						
At highway crossings	-	-	-	-	-	-
At other points	-	-	-	-	-	-
Pedestrians struck by trains, locomotives or cars -						
At highway crossings	-	-	-	-	-	-
At other points	-	-	2	-	1	1
Derailments	-	-	-	-	-	-
Locomotives or cars breaking down	-	-	-	-	-	-
Getting on or off trains	-	1	3	-	1	-
Falling from trains, locomotives or cars	2	4	2	-	-	1
Striking overhead or other obstructions	-	-	-	-	-	-
Other causes	-	2	-	-	-	2
Total	2	34	15	1	18	4
<u>Employees</u>						
Coupling and Uncoupling	6	1	6	3	2	7
Collisions - between -						
Railway Rolling Stock	27	9	17	6	20	17
Trains or locomotives and motor vehicles or horse-drawn vehicles -						
At highway crossings	{4	{5	{4	{4	1	2
At other points	{	{	{	{	-	-
Track cars or hand cars and motor vehicles or horse-drawn vehicles -						
At highway crossings	{1	{-	{-	{2	-	1
At other points	{	{	{	{	-	1
Pedestrians struck by trains, locomotives or cars -						
At highway crossings	-	-	-	-	1	-
At other points	26	23	23	18	13	20
Derailments	5	5	11	7	5	7
Locomotives or cars breaking down	-	4	-	-	1	1
Getting on or off trains	1	3	3	2	1	3
Falling from trains, locomotives or cars	1	6	5	4	5	4
Striking overhead or other obstructions	1	3	-	1	1	-
Other causes	18	18	7	5	4	6
Total	90	77	76	52	54	69

Newfoundland included from 1949 on.

Accidents Resulting from the Movement of Trains
Number of Persons Injured

Causes	1946	1947	1948	1949	1950	1951
<u>Passengers</u>						
Coupling and uncoupling	-	-	-	-	-	-
Collisions - between -						
Railway Rolling Stock	74	124	64	68	133	21
Trains or locomotives and motor vehicles						
or horse-drawn vehicles -						
At highway crossings	{ 1	{ -	{ 2	{ 3	1	15
At other points	}	}	}	}	-	-
Track cars or hand cars and motor vehicles						
or horse-drawn vehicles -						
At highway crossings	-	-	-	-	-	-
At other points	-	-	-	-	-	-
Pedestrians struck by trains, locomotives or cars -						
At highway crossings	-	-	-	-	-	-
At other points	2	4	1	-	-	1
Deraillments	21	29	10	16	2	13
Locomotives or cars breaking down	1	-	-	-	-	-
Getting on or off trains	51	61	59	89	40	34
Falling from trains, locomotives or cars	9	5	6	6	5	23
Striking overhead or other obstructions	-	-	-	-	-	-
Other causes	190	132	142	86	81	84
Total	349	355	284	268	262	191
<u>Employees</u>						
Coupling and uncoupling	120	173	146	118	103	103
Collisions - between -						
Railway Rolling Stock	115	68	106	88	98	105
Trains or locomotives and motor vehicles						
or horse-drawn vehicles -						
At highway crossings	{ 11	{ 14	{ 11	{ 18	3	12
At other points	}	}	}	}	-	-
Track cars or hand cars and motor vehicles						
or horse-drawn vehicles -						
At highway crossings	{ 28	{ 43	{ 40	{ 30	21	13
At other points	}	}	}	}	7	-
Pedestrians struck by trains, locomotives or cars -						
At highway crossings	9	-	-	-	1	2
At other points	42	44	55	53	50	50
Deraillments	35	42	34	31	33	41
Locomotives or cars breaking down	2	4	1	2	3	4
Getting on or off trains	581	624	675	530	467	508
Falling from trains, locomotives or cars	114	96	133	118	95	134
Striking overhead or other obstructions	30	32	36	29	28	32
Other causes	1,757	1,823	1,669	1,401	1,335	1,337
Total	2,844	2,963	2,906	2,418	2,244	2,341

Newfoundland included from 1949 on.

Accidents Resulting from the Movement of Trains
Number of Persons Killed

Class of Person	1946	1947	1948	1949	1950	1951
<u>Employees -</u>						
Trainmen	51	34	48	28	31	35
Switch tenders, watchmen, etc.....	-	-	2	9	6	2
Stationmen	2	1	3	-	-	2
Shopmen	8	7	2	3	-	5
Trackmen	26	25	19	10	15	22
Telegraph employees	-	1	2	1	1	1
Other employees	3	9	-	1	1	2
Total Employees	90	77	76	52	54	69
Passengers	2	34	15	1	18	4
Postal - Express - Pullman employees	-	-	1	2	-	3
Trespassers	89	95	103	85	81	77
Other persons	123	163	157	162	146	209
Grand Total	304	369	352	302	299	362
Suicides	7	16	10	3	9	15

Number of Persons Injured (1)

<u>Employees -</u>						
Trainmen	2,463	2,615	2,336	1,945	1,759	1,894
Switch tenders, watchmen, etc.,	3	2	X 179	158	133	167
Stationmen	13	14	10	6	15	13
Shopmen	37	34	56	38	42	66
Trackmen	98	136	148	118	175	111
Telegraph employees	2	9	5	16	7	4
Other employees	228	153	172	137	113	86
Total employees	2,844	2,963	2,906	2,418	2,244	2,341
Passengers	349	355	284	268	262	191
Postal - Express - Pullman employees.....	24	53	26	16	26	19
Trespassers	94	89	74	101	82	83
Other persons	469	524	551	522	484	493
Grand Total	3,780	3,984	3,841	3,325	3,098	3,127
Attempted suicides	1	1	-	1	2	1

(1) See page 158

X See Footnote X page 158

Newfoundland included from 1949 on.

Non-Train Accidents

Year	Handling traffic	Handling machinery, tools, etc.	Getting On or off locomotives and cars at rest	Other causes	Total
<u>Number of Persons Killed</u>					
1946	2	-	-	21	23
1947	-	1	-	30	31
1948	1	4	2	26	33
1949	1	4	-	22	27
1950	-	1	2	15	18
1951	4	-	-	24	28
<u>Number of Persons Injured (1)</u>					
1946	2,404	1,541	450	4,463	8,858
1947	2,532	1,397	233	3,693	7,855
1948	2,284	1,380	268	3,383	7,315
1949	2,087	1,299	184	3,039	6,609
1950	1,775	1,202	166	2,908	6,051
1951	1,641	1,024	155	2,648	5,468

Number of Persons Killed

Class of person	1946	1947	1948	1949	1950	1951
<u>Employees</u>						
Stationmen	3	1	-	3	1	1
Shopmen	3	10	8	4	6	4
Trackmen	7	5	9	11	2	7
Other employees	2	10	6	1	4	3
<u>Total employees</u>	<u>15</u>	<u>26</u>	<u>23</u>	<u>19</u>	<u>13</u>	<u>15</u>
Passengers	1	1	-	-	-	1
Postal - Express - Pullman employees	1	-	-	1	2	2
Other persons	6	4	10	7	3	10
<u>Grand Total</u>	<u>23</u>	<u>31</u>	<u>33</u>	<u>27</u>	<u>18</u>	<u>28</u>
Suicides	-	-	1	2	3	-

Number of Persons Injured (1)

<u>Employees -</u>						
Stationmen	1,300	1,246	897	772	756	773
Shopmen	3,115	2,963	2,720	2,440	2,218	1,885
Trackmen	2,828	2,550	2,594	2,434	2,266	1,993
Other employees	1,319	898	863	730	624	659
<u>Total employees</u>	<u>8,562</u>	<u>7,657</u>	<u>7,074</u>	<u>6,376</u>	<u>5,864</u>	<u>5,310</u>
Passengers	177	109	67	48	35	30
Postal - Express - Pullman employees	22	31	84	50	93	91
Other persons	97	58	90	135	59	37
<u>Grand Total</u>	<u>8,858</u>	<u>7,855</u>	<u>7,315</u>	<u>6,609</u>	<u>6,051</u>	<u>5,468</u>
Attempted suicides	4	-	-	1	-	2

(1) See page 158

Newfoundland included from 1949 on.

Accidents at Highway Crossings
Killed

Year ended Dec. 31	Employees and Passengers		Pedestrians		Riding in				Total	
	Urban	Rural	Urban	Rural	Automobiles		Other Vehicles		Urban	Rural
Protected by										
<u>Gates -</u>										
1946	-	-	-	-	1	-	-	-	1	-
1947	-	-	1	-	1	-	-	-	2	-
1948	1	-	1	-	-	-	-	-	2	-
1949	-	-	-	-	-	-	-	-	-	-
1950	-	-	-	1	3	-	-	-	3	1
1951	-	-	-	-	-	1	-	-	-	1
Protected by										
<u>Automatic Signals</u>										
1946	-	-	4	1	8	5	-	-	12	6
1947	-	-	7	-	4	11	1	1	12	12
1948	-	-	2	3	5	14	1	-	8	17
1949	-	-	2	1	13	6	1	1	16	8
1950	-	-	5	-	13	7	1	-	19	7
1951	-	-	2	2	14	19	-	-	16	21
Protected by										
<u>Watchmen -</u>										
1946	-	-	-	-	-	-	-	-	-	-
1947	-	-	1	-	1	-	-	-	2	-
1948	-	-	1	-	2	-	-	-	3	-
1949	-	-	-	-	1	-	-	-	1	-
1950	-	-	-	-	-	-	-	-	-	-
1951	-	-	-	-	1	-	-	-	1	-
Total at Protected										
<u>Crossings -</u>										
1946	-	-	4	1	9	5	-	-	13	6
1947	-	-	9	-	6	11	1	1	16	12
1948	1	-	4	3	7	14	1	-	13	17
1949	-	-	2	1	14	6	1	1	17	8
1950	-	-	5	1	16	7	1	-	22	8
1951	-	-	2	2	15	20	-	-	17	22
Unprotected -										
1946	-	-	4	7	10	70	1	2	15	79
1947	-	-	1	7	24	84	-	7	25	98
1948	1	-	4	5	19	81	1	-	25	86
1949	1	2	2	3	30	77	-	-	33	82
1950	2	-	4	4	25	69	1	6	32	79
1951	-	3	3	4	47	104	-	1	50	112
Grand Total -										
1946	-	-	8	8	19	75	1	2	28	85
1947	-	-	10	7	30	95	1	8	41	110
1948	2	-	8	8	26	95	2	-	38	103
1949	1	2	4	4	44	83	1	1	50	90
1950	2	-	9	5	41	76	2	6	54	87
1951	-	3	5	6	62	124	-	1	67	134

Newfoundland included from 1949 on.

Accidents at Highway Crossings
Injured

Year Ended Dec. 31	Employees and Passengers		Pedestrians		Riding in				Total	
					Automobiles		Other Vehicles			
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
<u>Protected by</u>										
<u>Gates</u>										
1946	-	-	-	-	2	1	-	-	2	1
1947	-	-	1	-	3	-	-	-	4	-
1948	-	-	2	-	3	-	-	-	5	-
1949	-	-	4	-	-	1	-	-	4	1
1950	-	-	2	-	5	2	-	-	7	2
1951	-	-	1	-	6	1	-	-	7	1
<u>Protected by</u>										
<u>Automatic Signals</u>										
1946	1	-	7	-	25	14	4	-	37	14
1947	-	1	1	-	37	19	3	3	41	23
1948	-	-	-	-	28	12	2	-	30	12
1949	-	-	-	1	42	31	1	1	43	33
1950	-	-	1	-	49	24	7	2	57	26
1951	-	-	2	-	28	27	1	-	31	27
<u>Protected by</u>										
<u>Watchmen</u>										
1946	-	-	-	-	13	1	-	-	13	1
1947	-	-	-	-	24	-	-	-	24	-
1948	-	-	2	-	7	-	1	-	10	-
1949	-	-	-	-	8	2	-	-	8	2
1950	1	-	-	-	9	-	-	-	10	-
1951	2	-	-	-	17	-	-	3	19	3
<u>Total at Protected</u>										
<u>Crossings -</u>										
1946	1	-	7	-	40	16	4	-	52	16
1947	-	1	2	-	64	19	3	3	69	23
1948	-	-	4	-	38	12	3	-	45	12
1949	-	-	4	1	50	34	1	1	55	36
1950	1	-	3	-	63	26	7	2	74	28
1951	2	-	3	-	51	28	1	3	57	31
<u>Unprotected</u>										
1946	-	31	2	4	84	237	4	12	90	284
1947	1	26	6	-	117	249	2	8	126	283
1948	3	18	1	1	141	265	4	11	149	295
1949	4	29	4	2	156	197	4	3	168	231
1950	-	25	5	4	169	163	6	4	180	196
1951	4	36	1	5	149	213	2	24	156	278
<u>Grand Total</u>										
1946	1	31	9	4	124	253	8	12	142	300
1947	1	27	8	-	181	268	5	11	195	306
1948	3	18	5	1	179	277	7	11	194	307
1949	4	29	8	3	206	231	5	4	223	267
1950	1	25	8	4	232	189	13	6	254	224
1951	6	36	4	5	200	241	3	27	213	309

Newfoundland included from 1949 on.

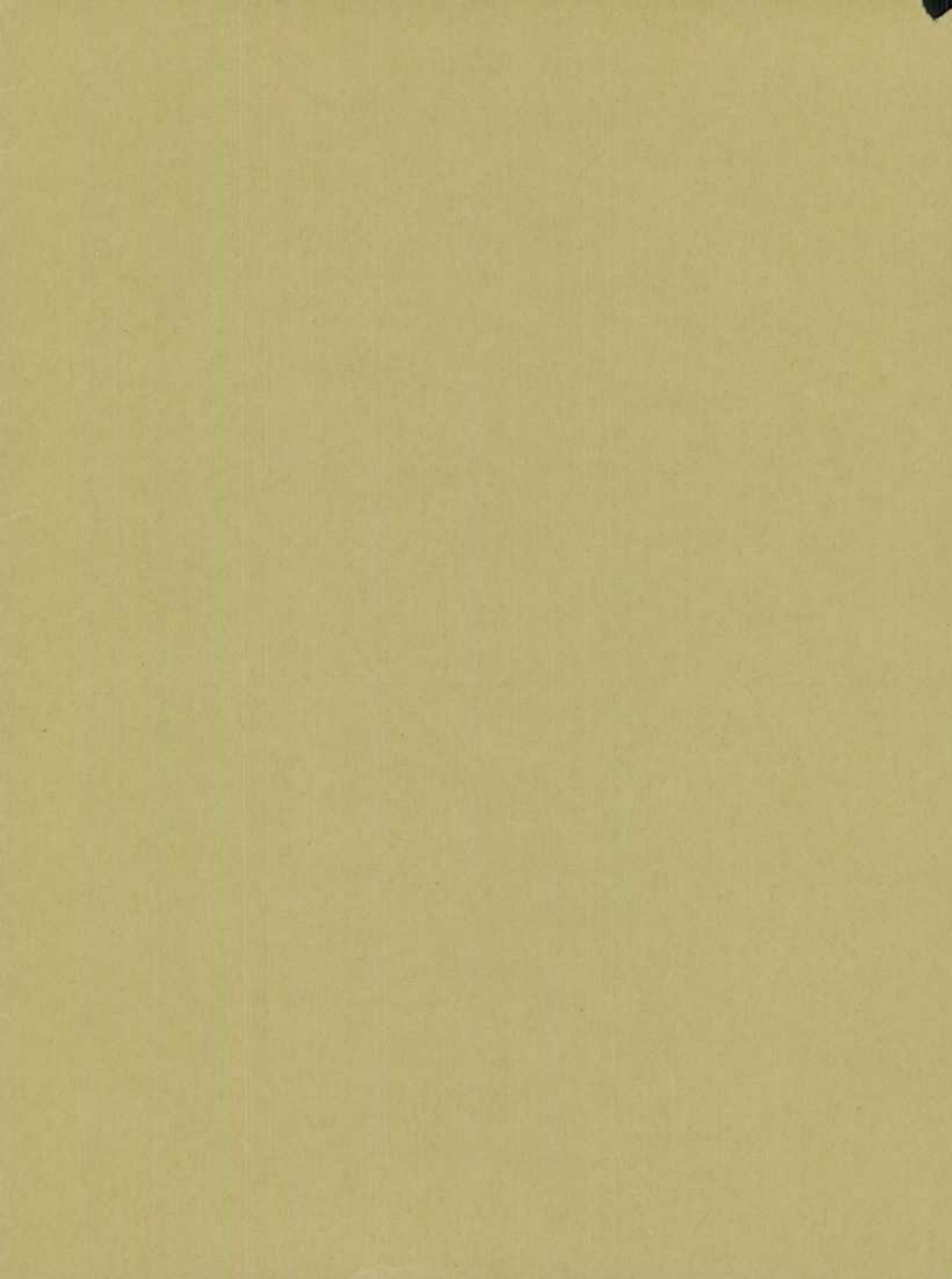
Number of Highway Crossings

Year Ended December 31	Protected By										
	Gates		Bridges		Subways		Automatic Signals		Watchmen		
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	
Newfoundland -											
1949	-	-	-	1	-	1	-	1	-	-	-
1950	-	-	-	1	-	1	-	1	-	-	-
1951	-	-	-	1	-	1	-	1	-	-	-
Prince Edward Island -											
1946	-	1	1	-	-	5	5	8	1	-	-
1947	-	1	1	-	-	5	5	8	1	-	-
1948	-	1	1	-	-	5	5	8	1	-	-
1949	-	1	1	-	-	5	5	8	1	-	-
1950	-	1	1	-	-	5	5	8	1	-	-
1951	-	1	1	-	-	5	5	8	1	-	-
Nova Scotia -											
1946	6	-	22	14	15	23	38	70	9	2	-
1947	6	-	22	14	15	23	38	73	9	1	-
1948	6	-	22	14	15	23	39	73	8	1	-
1949	6	-	23	14	15	23	40	75	8	1	-
1950	6	-	23	14	15	24	41	84	7	1	-
1951	7	-	23	13	15	24	41	84	6	1	-
New Brunswick -											
1946	6	1	7	26	13	34	28	53	-	-	-
1947	6	1	7	26	13	34	28	53	-	-	-
1948	6	1	7	26	13	34	28	57	-	-	-
1949	4	1	7	26	13	34	32	63	-	-	-
1950	3	1	8	26	13	34	34	66	1	-	-
1951	3	1	9	26	13	34	36	67	-	-	-
Quebec -											
1946	59	3	28	46	132	79	47	95	6	3	-
1947	54	3	28	46	132	79	60	104	6	3	-
1948	55	3	28	47	135	79	69	113	6	3	-
1949	50	3	28	47	135	79	79	116	5	1	-
1950	51	4	28	46	134	81	85	123	6	1	-
1951	50	2	29	45	135	82	97	130	5	1	-
Ontario -											
1946	98	8	139	212	252	230	279	380	41	4	-
1947	101	5	139	212	254	228	291	387	40	4	-
1948	102	5	140	216	255	228	302	401	39	4	-
1949	103	5	140	216	256	226	312	415	36	3	-
1950	101	4	143	216	259	226	329	414	33	3	-
1951	102	7	143	215	274	217	343	420	30	3	-
Manitoba -											
1946	4	-	4	6	31	13	8	4	10	-	-
1947	5	-	4	6	32	13	8	4	10	-	-
1948	5	-	4	6	31	13	7	4	10	-	-
1949	5	-	4	5	31	13	6	6	10	-	-
1950	6	-	4	5	31	9	12	10	10	-	-
1951	6	-	4	5	31	13	18	8	9	-	-
Saskatchewan -											
1946	-	-	6	17	20	44	13	5	4	-	-
1947	-	-	6	17	20	44	13	6	4	-	-
1948	-	-	6	17	20	45	14	6	3	-	-
1949	-	1	6	17	20	45	14	6	2	-	-
1950	-	2	6	17	21	44	15	6	1	-	-
1951	-	2	6	18	22	44	15	6	1	-	-
Alberta -											
1946	5	-	10	17	25	53	10	13	1	-	-
1947	5	-	9	18	25	53	10	13	1	-	-
1948	5	-	9	17	25	55	10	13	1	-	-
1949	4	-	9	17	20	55	13	15	4	-	-
1950	6	-	9	17	25	55	12	14	1	-	-
1951	6	2	10	20	25	53	12	17	1	-	-
British Columbia -											
1946	6	5	29	42	7	48	13	15	2	-	-
1947	6	5	29	42	7	47	14	18	2	-	-
1948	5	5	29	41	7	48	17	20	2	-	-
1949	5	5	29	42	6	51	17	20	2	-	-
1950	5	5	29	43	6	52	17	20	2	-	-
1951	5	5	29	45	8	51	18	20	2	-	-
Total -											
1946	184	18	246	380	495	529	441	643	74	9	-
1947	183	15	245	381	498	526	467	666	73	8	-
1948	184	15	246	384	501	530	491	695	70	8	-
1949	177	16	247	385	496	532	518	725	68	5	-
1950	178	17	251	385	504	531	551	746	62	5	-
1951	179	20	254	388	523	524	586	761	55	6	-
United States -											
1946	-	-	1	8	8	11	7	16	6	1	-
1947	1	-	1	8	8	11	7	16	6	1	-
1948	1	1	1	8	8	11	8	16	6	-	-
1949	1	1	1	8	8	11	8	17	6	-	-
1950	1	1	1	8	8	11	8	18	6	-	-
1951	1	1	1	8	8	11	8	18	6	-	-
Total, Canada & U.S. -											
1946	184	18	247	388	503	540	448	659	80	10	-
1947	184	15	246	389	506	537	474	682	79	9	-
1948	185	16	247	392	509	541	499	711	76	8	-
1949	178	17	248	393	504	543	526	742	74	5	-
1950	179	18	252	393	512	542	559	764	68	5	-
1951	180	21	255	396	531	535	594	779	61	6	-

Number of Highway Crossings

Total Protected			Unprotected			Grand Total			Year Ended December 31
Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	
-	3	3	24	189	213	24	192	216	Newfoundland - 1949
1	3	4	23	193	216	24	196	220	1950
1	3	4	23	196	219	24	199	223	1951
7	14	21	35	215	250	42	229	271	Prince Edward Island - 1946
7	14	21	35	215	250	42	229	271	1947
7	14	21	35	215	250	42	229	271	1948
7	14	21	35	215	250	42	229	271	1949
7	14	21	35	215	250	42	229	271	1950
7	14	21	35	215	250	42	229	271	1951
90	109	199	155	675	830	245	784	1,029	Nova Scotia - 1946
90	111	201	155	673	828	245	784	1,029	1947
90	111	201	155	673	828	245	784	1,029	1948
92	113	205	154	671	825	246	784	1,030	1949
92	123	215	155	661	816	247	784	1,031	1950
92	122	214	155	662	817	247	784	1,031	1951
54	114	168	132	771	903	186	885	1,071	New Brunswick - 1946
54	114	168	132	772	904	186	886	1,072	1947
54	118	172	133	767	900	187	885	1,072	1948
56	124	180	131	761	892	187	885	1,072	1949
59	127	186	130	758	888	189	885	1,074	1950
61	128	189	128	757	885	189	885	1,074	1951
272	226	498	369	2,214	2,583	641	2,440	3,081	Quebec - 1946
280	235	515	375	2,197	2,572	655	2,432	3,087	1947
293	245	538	363	2,191	2,554	656	2,436	3,092	1948
297	246	543	366	2,184	2,550	663	2,430	3,093	1949
304	255	559	381	2,175	2,556	685	2,430	3,115	1950
316	260	576	420	2,133	2,553	736	2,393	3,129	1951
809	834	1,643	1,499	5,319	6,818	2,308	6,153	8,461	Ontario - X 1946
825	836	1,661	1,513	5,304	6,817	2,338	6,140	8,478	X 1947
838	854	1,692	1,512	5,297	6,809	2,350	6,151	8,501	1948
847	865	1,712	1,512	5,283	6,795	2,359	6,148	8,507	1949
865	863	1,728	1,558	5,278	6,836	2,423	6,141	8,564	1950
892	862	1,754	1,545	5,232	6,777	2,437	6,094	8,531	1951
57	23	80	504	3,701	4,205	561	3,724	4,285	Manitoba - 1946
59	23	82	502	3,707	4,209	561	3,730	4,291	1947
57	23	80	503	3,712	4,215	560	3,735	4,295	1948
56	24	80	504	3,727	4,231	560	3,751	4,311	1949
63	24	87	498	3,731	4,229	561	3,755	4,316	1950
68	26	94	499	3,732	4,231	567	3,758	4,325	1951
43	66	109	441	7,577	8,018	484	7,643	8,127	Saskatchewan - 1946
43	67	110	444	7,576	8,020	487	7,643	8,130	1947
43	68	111	447	7,580	8,027	490	7,648	8,138	1948
42	69	111	448	7,587	8,035	490	7,656	8,146	1949
43	69	112	451	7,594	8,045	494	7,663	8,157	1950
44	70	114	451	7,608	8,059	495	7,678	8,173	1951
51	83	134	271	4,010	4,281	322	4,093	4,415	Alberta - 1946
50	84	134	274	4,017	4,291	324	4,101	4,425	1947
50	85	135	280	3,987	4,267	330	4,072	4,402	1948
50	87	137	283	3,990	4,273	333	4,077	4,410	1949
53	86	139	284	3,997	4,281	337	4,083	4,420	1950
54	92	146	337	3,977	4,314	391	4,069	4,460	1951
57	110	167	278	896	1,174	335	1,006	1,341	British Columbia - 1946
58	112	170	279	901	1,180	337	1,013	1,350	1947
60	114	174	283	914	1,197	343	1,028	1,371	1948
59	118	177	281	915	1,196	340	1,033	1,373	1949
59	120	179	283	923	1,206	342	1,043	1,385	1950
62	122	184	290	921	1,211	352	1,043	1,395	1951
1,440	1,579	3,019	3,684	25,378	29,062	5,124	26,957	32,081	Total - 1946
1,466	1,596	3,062	3,709	25,362	29,071	5,175	26,958	32,133	1947
1,492	1,632	3,124	3,711	25,336	29,047	5,203	26,968	32,171	1948
1,506	1,663	3,169	3,738	25,522	29,260	5,244	27,185	32,429	1949
1,546	1,684	3,230	3,798	25,525	29,323	5,344	27,209	32,553	1950
1,597	1,699	3,296	3,883	25,433	29,316	5,480	27,132	32,612	1951
22	36	58	24	98	122	46	134	180	United States - 1946
23	36	59	24	98	122	47	134	181	1947
24	36	60	23	99	122	47	135	182	1948
24	37	61	23	98	121	47	135	182	1949
24	38	62	23	97	120	47	135	182	1950
24	38	62	23	97	120	47	135	182	1951
1,462	1,615	3,077	3,708	25,476	29,184	5,170	27,091	32,261	Total, Canada & U.S. - 1946
1,489	1,632	3,121	3,733	25,460	29,193	5,222	27,092	32,314	1947
1,516	1,668	3,184	3,734	25,435	29,169	5,250	27,103	32,353	1948
1,530	1,700	3,230	3,761	25,620	29,381	5,291	27,320	32,611	1949
1,570	1,722	3,292	3,821	25,622	29,443	5,391	27,344	32,735	1950
1,621	1,737	3,358	3,906	25,530	29,436	5,527	27,267	32,794	1951

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