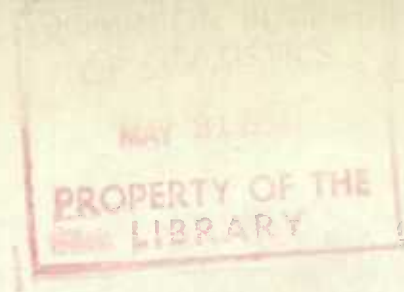


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RAILWAY TRANSPORT 1953 PART 1

(Comparative Summary Statistics 1949 to 1953)

Published by Authority of
The Right Honourable C. D. Howe, Minister of Trade and Commerce

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NOTICE

Reports Published in the Railway Transport Series

1. Railway Transport (Annual) Published in five sections punched to allow filing in a ring binder.
 - Part I — Comparative Summary Statistics 19--- to 19--
 - Part II — Financial and Employment Statistics
 - Part III — Equipment, Way and Track, and Fuel Consumption Statistics
 - Part IV — Operating and Traffic Statistics
 - Part V — Freight Carried by Principal Commodity Classes
2. Carloadings (Four times a month)
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5. Summary of Monthly Railway Freight Traffic Reports (Annual)
6. Canadian National Railways (Annual)
7. Canadian Pacific Railway Company (Annual)
8. Railway Employees and Their Compensation (Reference Paper)

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RAILWAY TRAVEL

1903

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PART I

CHAPTER I. THE RAILWAY TRAVELLER

The first chapter of the book is devoted to a general description of the railway system of the country. It begins with a brief history of the railways, and then proceeds to a description of the various classes of trains, and the different methods of travelling by rail. The chapter concludes with a list of the principal railway companies, and a table of the rates of fares.

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RAILWAY TRANSPORT

1953

PART I

(Comparative Summary Statistics 1949 to 1953)

This is the fifth and last of five parts being released under the title "Railway Transport, 1953". Page 2 lists the names of the parts forming the complete 1953 statistical report.

As the heading suggests this section of the report provides a summary of data found in parts 2 to 5 of Railway Transport, 1953, together with comparable data for the preceding four years. The data contained herein includes Newfoundland statistics except as otherwise specified.

Track Mileage

Single track mileage, increased by new lines built over the Canadian National Railways and the Pacific Great Eastern Railway Company during 1953, totalled 43,162.80 miles at December 31st, 1953, up 209.50 from 1952 and 184.10 from 1949. Comparing single track mileage at the end of 1953 with that at the end of 1949 on a provincial basis, an increase of 143 miles to 4,979 miles is indicated in Manitoba while British Columbia mileage shows an increase of 71 to 3,959 miles but Ontario trackage decreased by 76 to 10,386 miles. Industrial track was extended 253 miles to 2,178 during the past four years and yard track and sidings 432 to 10,869 miles. Total length of all tracks at December 31st, 1953 amounted to 58,695 miles, up 861 miles from 57,834 at the end of 1949. All changes in single track mileage for the past four years were confined exclusively to the standard gauge track (4 feet 8½ inches), thus the 3½ foot track operated by the Canadian National Railways and the 3 foot track operated by the British Yukon Railway Company were unchanged in length.

Investments, Capital, etc.

Government aid given to railways to December 31st, 1953 totalled \$218,893,583. This cumulative total has remained unchanged since 1938. Eighty per cent of the aid was provided by the Federal Government. Land granted to railways at the end of 1953 amounted to 47,640,167 acres of which about two-thirds was granted by the Federal Government. Investment in road and equipment amounted to \$4,328,569,388 at December 31st, 1953, an addition of \$205,135,829 during 1953. Of the latter sum, \$196,647,760 was spent during 1953 for additions and betterments. Capital outlay for new lines during the year was a net \$8,197,662.

Railway Capital at the end of 1953 amounted to \$3,861,756,258, an increase of \$146,547,586 during the year. Stocks accounted for 55.0 per cent of all railway capital. Of the \$510,713,955 Govern-

ment guaranteed bonds, \$510,248,955 were Canadian National issues. Ever increasing reserves concurring with the development of railways rose from \$790,766,566 at the end of 1952 to \$829,493,134 at December 31, 1953, an addition of \$38,726,568. Some 86 per cent or \$709,568,773 of the total represents reserves for depreciation on road and rolling stock.

Operations

Gross earnings amounted to \$1,205,935,414 during 1953, up from \$1,172,158,665 in 1952 but operating expenses rose to \$1,100,393,836 from \$1,057,186,304 leaving a lower net of \$105,541,578 as compared with \$114,972,361 for 1952 and \$111,006,727 in 1951. Tax accruals dropped to \$38,254,851 in 1953 from \$40,263,395 in 1952 but interest on funded and unfunded debt increased to \$50,967,749 from \$44,733,512. The credit balance carried to balance sheets amounted to \$11,696,210 in 1953 versus \$17,016,781 in 1952 and \$14,321,907 in 1951. Of the \$1,205,935,414 in gross earnings during 1953, rail line revenues accounted for \$1,148,598,557 or 95.3 per cent of which \$971,758,543 represented revenues from freight and compares with \$941,947,985 for 1952 and \$875,962,306 for 1951. Revenues from passengers, however, amounted to \$85,975,687 during 1953, as against \$90,712,586 in 1952 and \$89,005,763 in 1951. Water line receipts of \$4,884,241 during 1953 includes 90.3 per cent or \$4,412,659 in revenue from freight, up considerably from \$3,925,550 in 1952. Incidental revenues increased to \$52,225,581 in 1953 from \$47,170,205 in 1952 and \$43,720,556 in 1951. Of the \$1.1 billion in operating expenses during 1953 \$513,690,185 was spent on transportation-rail line, compared with \$501,873,165 for 1952 and \$466,677,046 for 1951. Maintenance of equipment and maintenance of way and structures amounted to \$254,035,999 and \$227,049,996 respectively during 1953.

As a result of the smaller volume of freight and fewer passengers carried than in 1952, rolling stock moved a considerably reduced mileage during 1953. Locomotive miles fell to 181,107,710 miles in 1953 from 189,331,873 in 1952; train miles dropped to 131,975,175 from 136,880,740; freight car miles fell to 3,464,559,675 from 3,568,210,848 and passenger car miles dropped to 430,726,717 miles from 431,234,562. Locomotive miles per mile of road declined to 4,208 from 4,405; train miles per mile of road dropped to 3,135 from 3,260; tons originated per mile of road fell to 3,630 from 3,773; and passengers carried per mile of road dropped to 668 from 702. Average freight revenue per mile of road increased to \$22,833 from \$22,180 due to higher receipts and was up \$29,810,558 to

\$971,758,543 for 1953. Average passenger train revenue per mile of road fell to \$3,854.14 from \$3,886.25. The operating ratio (percentage of operating expenses over operating revenues) increased to 91.25 per cent from 90.19.

Freight carried, excluding interchange between Canadian railways, amounted to 156,249,259 tons during 1953 as compared with 162,175,381 in 1952 and 161,260,521 in 1951. The forest products group led the decline and was down to 16,194,487 tons in 1953 from 19,330,157 in 1952. Animal products carried increased slightly to 1,868,285 tons from 1,693,690 in 1952.

Equipment

Freight cars in service increased steadily during the past four years; at December 31st, 1953 there were 187,980 units in service as compared with 186,557 in 1952 and 177,614 in 1949. Freight cars have increased in capacity, averaging 47,526 tons each at December 31st, 1953 as compared with 46,822 in 1952 and 45,335 in 1949. Most types of cars in service at December 31st, 1953 were more numerous than one year earlier, especially gondola cars, up 1,051 to 17,603, and hopper cars, up 1,515 to 11,598; box cars, however were reduced by 2,075 in number to 119,753.

Passenger cars in service at the end of 1953 totalled 6,456, up from 6,328 in 1952 and 6,224 in 1949. Greatest increase was in baggage, express and postal cars, up 186 to 2,430 from 2,244 in 1952. Cars in company service were also greater in number at December 31st, 1953 with 18,725 as against 18,170 in 1952.

Table 17 shows the rising importance of the diesel locomotive in railway transportation. Steam locomotives which totalled 4,351 at the end of 1949 dropped to 3,829 in 1953 whereas diesel electric locomotives with 246 units in 1949 almost quadrupled to 956 in 1953. Total locomotives in service increased from 4,627 in 1949 to 4,818 in 1953.

Fuel, Rails, Ties

Fuel consumption for locomotive purposes in tables 18 and 19 is shown in tons equivalent of coal. A smaller tonnage of fuel was consumed during 1953, with a total of 11,689,481 tons versus 12,767,902 for 1952. The costs were \$99,544,216 and \$108,581,772 for the two years respectively. Fuel consumed per 100 locomotive miles dropped substantially to 7.52 tons in 1953 from 7.90 in 1952 for freight locomotives and to 5.67 tons from 5.71 for passenger locomotives. A total of 444,489 tons of rail were laid in previously constructed track during 1953 versus 461,413 during 1952 and 31,426 tons were laid in new track and extensions as against 32,948 in 1952. Cross-ties placed in previously constructed track numbered 7,545,783 units of which 6,690,587 were treated. Cross-ties placed in new track and extensions numbered 467,044 units of which 429,259 were treated. During 1953, 2,144,237 hardwood cross-ties were purchased by

the railways, up 19.3 per cent from 1,796,647 in 1952 whereas purchases of softwood cross-ties dropped 27.2 per cent to 7,840,568 from 10,777,053.

Accidents

Accidents resulting from the movement of trains shown in Table 28 numbered 2,669 during 1953, the lowest in the five year period 1949-53, mainly accounted for by a much smaller number of accidents recorded as "other causes". As a result, fewer persons were killed and injured during the year under review. As indicated in Table 30 a total of 290 persons were killed during 1953, down substantially from 375 in 1952 with marked improvement in deaths of trainmen, dropping to 13 from 35 in 1952. Persons injured totalled 2,781 during 1953 as compared with 3,156 a year earlier; 398 fewer trainmen were injured. Table 29 which records causes of accidents involving passengers and employees shows a total of 3 passengers killed during 1953 as against 2 one year earlier; but only 30 employees were killed versus 61 in 1952 with reductions in fatalities resulting from collisions between railway rolling stock and pedestrians struck by trains, locomotives or cars at other points than highway crossings. There were 133 passengers injured during 1953, up slightly from 125 during 1952; about half of the injuries were caused by derailments. Employees injuries dropped considerably, to 2,017 in 1953 from 2,430 a year earlier with greatest improvement in the "other causes" type of injuries.

Fatalities resulting from non-train accidents totalled 15 during 1953, down from 18 in 1952. Injuries fell to 4,044 from 4,753 in 1952 with the reduction accounted for mainly by fewer injuries to shopmen, down 254 to 1,428 and to trackmen, down 292 to 1,382.

Accidents at highway crossings brought death to 157 persons of which 51 were killed in urban areas and 106 in rural areas. Persons riding in motor vehicles accounted almost exclusively for the fatalities, 48 were killed in urban areas and 101 in rural areas. A total of 450 persons were injured at highway crossings of which 171 were injured at urban crossings and 279 at rural crossings. Of the total persons riding in motor vehicles, 157 accounted for injuries at urban crossings and 259 at rural crossings.

Highway Crossings

The number of highway crossings amounted to 33,043 at December 31st, 1953, for an increase of 89 crossings during the year. The number increased in most provinces especially in Newfoundland, up 34 to 257 and Manitoba, up 31 to 4,380. Protected crossings increased by 73 during 1953 to total 3,514 of which 50 were added in urban areas and 23 in rural areas. About 43 per cent of all protected crossings at the end of 1953 were safeguarded by automatic signals, 648 urban and 878 rural. Unprotected crossings rose by 16 to 29,529 at December 31st, 1953; 100 more in urban areas but 84 fewer in rural areas.

TABLE 1. Mileage Operated in Provinces for Year ended December 31

	1949	1950	1951	1952	1953
Single (First Main) track mileage:					
Newfoundland	705	705	705	705	705
Prince Edward Island	286	286	285	285	285
Nova Scotia	1,396	1,397	1,396	1,396	1,396
New Brunswick	1,835	1,835	1,835	1,834	1,834
Quebec	4,791	4,795	4,789	4,830	4,829
Ontario	10,462	10,458	10,440	10,384	10,386
Manitoba	4,836	4,834	4,834	4,834	4,979
Saskatchewan	8,739	8,739	8,739	8,739	8,733
Alberta	5,643	5,643	5,647	5,660	5,660
British Columbia	3,888	3,890	3,889	3,889	3,959
Yukon	58	58	58	58	58
In United States	339	339	339	339	339
Total single track	42,978	42,979	42,856	42,953	43,163
Second track	2,494	2,498	2,487	2,488	2,485
Industrial track	1,925	1,979	2,068	2,130	2,178
Yard track and sidings	10,437	10,541	10,639	10,720	10,869
Total all tracks	57,834	57,997	58,150	58,291	58,695
Gauge of single (First Main) track:					
4 ft. 8½ inches	42,183	42,184	42,161	42,158	42,368
3 ft. 6 inches	705	705	705	705	705
3 ft.	90	90	90	90	90
Single track owned but not operated	153	145	145	49	51

TABLE 2. Railway Mileage in Canada - Single Track Miles by Provinces, for Year ended December 31

	1949	1950	1951	1952	1953
Newfoundland	705.10	705.10	705.10	705.10	705.10
Increase over previous year	705.10	—	—	—	—
Prince Edward Island	286.20	286.20	284.70	284.70	284.80
Increase over previous year	0.10	—	D 1.50	—	0.10
Nova Scotia	1,396.30	1,396.60	1,396.20	1,396.20	1,395.80
Increase over previous year	—	0.30	D 0.40	—	D 0.40
New Brunswick	1,834.70	1,834.60	1,834.60	1,834.40	1,834.40
Increase over previous year	—	D 0.10	—	D 0.20	—
Quebec	4,791.20	4,794.80	4,789.20	4,829.70	4,829.50
Increase over previous year	26.40	3.60	D 5.60	40.50	D 0.20
Ontario	10,462.40	10,458.10	10,439.80	10,383.70	10,385.60
Increase over previous year	D 1.60	D 4.30	D 18.30	D 56.10	1.90
Manitoba	4,835.70	4,834.00	4,834.00	4,834.10	4,978.50
Increase over previous year	0.10	D 1.70	—	0.10	144.40
Saskatchewan	8,738.80	8,738.80	8,738.80	8,738.60	8,733.10
Increase over previous year	0.50	—	—	D 0.20	D 5.50
Alberta	5,643.20	5,643.20	5,646.80	5,660.40	5,660.40
Increase over previous year	—	—	3.60	13.60	—
British Columbia	3,888.20	3,890.10	3,889.40	3,889.50	3,958.70
Increase over previous year	D 0.20	1.90	D 0.70	0.10	69.20
Yukon	57.70	57.70	57.70	57.70	57.70
Increase over previous year	—	—	—	—	—
United States	339.20	339.20	339.20	339.20	339.20
Increase over previous year	—	—	—	—	—
Total	42,978.70	42,978.40	42,955.50	42,953.30	43,162.80
Increase over previous year	730.40	D 0.30	D 22.90	D 2.20	209.50

D - Decrease
r. Revised

TABLE 3. Aid to Railways — to Year ended December 31¹

	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Government of Canada.....	172,200,223	172,200,223	172,200,223	172,200,223	172,200,223
Provincial.....	33,391,669	33,391,669	33,391,669	33,391,669	33,391,669
Municipal.....	13,301,691	13,301,691	13,301,691	13,301,691	13,301,691
Total	218,893,583	218,893,583	218,893,583	218,893,583	218,893,583

1. Includes subsidies granted to electric railways.

TABLE 4. Land Grants, at December 31, 1953

Granted by	Bonus grants	Grants for Right of Way, Station Grounds, and Townsite purposes	Total
	acres	acres	acres
Government of Canada.....	31,783,654.88	97,967.60	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 ¹
Total	47,292,373.89	347,793.23	47,640,167.12

1. Includes 4,065,076 acres repurchased from B.C. Southern and Columbia and Western Railways.

TABLE 5. Aid Granted to Railways by Governments and Municipalities to December 31, 1953

Changes since 1942 Report

Cash subsidies — nil
Land Grants

Name of railway	Name of Province	By Government of Canada	By Provincial Government	Total
		acres	acres	acres
Alberta Central (Canadian Pacific)	Alberta	—	1.95	1.95
Canadian Northern Pacific.....	British Columbia	—	3.40	3.40
Grand Trunk Pacific	Alberta	—	63.00	63.00
Kettle Valley	British Columbia	—	1.09	1.09
Manitoba Northern (Canadian National)	Manitoba	—	6.70	6.70
Pacific Great Eastern.....	British Columbia	—	0.69	0.69
Total		—	76.83	76.83

TABLE 6. Investment in Road and Equipment for Year ended December 31

	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
New lines:					
Road	1,428,972	6,285,165	6,301,717	11,431,609	8,352,231
Equipment	—	—	1,552,117	19,210	35,287
General	33,409	50,634	53,901	52,510	Cr. 189,856
Total	1,462,381	6,335,799	7,907,735	11,503,329	8,197,662
Additions and betterments:					
Road	25,643,350	25,523,673	42,260,214	42,243,299	40,667,130
Equipment	75,393,226	52,666,164	107,478,591	128,696,815	156,012,197
General	Cr. 7,175	54,058	Cr. 70,318	70,585	102,847
Undistributed	Cr. 3,494	3,399	Cr. 2,381	Cr. 2,539	Cr. 134,414
Total	101,025,907	78,247,294	149,666,106	171,008,160	196,647,760
Undistributed (see detail below)	261,234	Cr. 2,645,822	Cr. 1,318,920	Cr. 37,797	290,407
Total investments as at Dec. 31	3,702,767,675	3,784,704,946	3,940,959,867	4,123,433,559	4,328,569,388
Undistributed—Details:					
Canadian National:					
Separately operated properties	114,167	Cr. 74,520	Cr. 479,619	165,473	1,980,336
Non-cash items	206,067	1,946,933	Cr. 1	Cr. 195,270	Cr. 44,529
Canadian Pacific—Leased lines	Cr. 59,000	—	Cr. 839,300	Cr. 8,000	Cr. 1,645,400
St. Lawrence and Adirondack—Adjustments	—	Cr. 657,683	—	—	—
Temiscouata—acquired by C.N.R.	—	Cr. 3,860,552	—	—	—

TABLE 7. Railway Capital for Year ended December 31

	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Stocks	1,268,677,473	1,341,405,562	1,341,029,778	2,191,133,066	2,122,243,835
Debenture stock	308,056,819	308,056,526	305,175,994	305,175,994	300,449,021
Funded debt	1,692,898,968	1,826,346,222	1,925,488,160	1,308,899,612	1,439,063,402
Total	3,269,633,260	3,475,808,310	3,571,693,932	3,715,208,672	3,861,756,258

TABLE 8. Railway Bonds Guaranteed for Year ended December 31, 1953

Name of railway	Guaranteed by		Total amount outstanding
	Government of Canada	New Brunswick	
	\$	\$	\$
Canadian National	466,000,000	—	466,000,000
Canadian Northern	5,636,506	—	5,636,506
“ “ Ontario	3,597,518	—	3,597,518
“ “ Alberta	550,727	—	550,727
Grand Trunk Pacific	34,464,204	—	34,464,204
Total Canadian National	510,248,955	—	510,248,955
Fredericton and Grand Lake	—	465,000	465,000
Grand Total	510,248,955	465,000	510,713,955¹

1. Does not include \$3,728,436 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 Federal Government.

TABLE 9. Reserves of Railways for Year ended December 31¹

	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Depreciation:					
Road and rolling stock	555,371,861	594,956,194	633,670,650	671,703,751	709,568,773
Other properties	80,403,839	84,434,327	87,136,585	86,356,939	86,384,444
Operating and deferred maintenance	28,796,413	8,229,872	5,499,075	281,995	307,478
Insurance and casualty	25,926,987	28,495,369	27,303,944	26,611,448	27,894,882
Investment	3,498,643	4,068,165	2,940,483	1,645,781	1,181,330
Other	8,124,864	7,226,715	7,217,934	4,166,652	4,156,227
Total reserves	702,122,607	725,410,642	763,768,671	790,766,566	829,493,134

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

TABLE 10. Income Account for Year ended December 31

	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Gross earnings from operation	894,397,264	958,985,751	1,088,583,789	1,172,158,665	1,205,935,414
Operating expenses	831,456,446	833,726,562	977,577,062	1,057,186,304	1,100,393,836
Net operating revenue	62,940,818	125,259,189	111,006,727	114,972,361	105,541,578
Tax accruals	18,160,336	32,276,513	36,384,511	40,263,395	38,254,851
Railway operating income	44,780,482	92,982,676	74,622,216	74,708,966	67,286,727
Other Income:					
From outside operations - Net	5,648,239	5,697,943	10,579,118	7,245,053	4,103,583
From other sources	40,385,987	41,867,820	41,075,994	35,683,658	35,685,882
Gross income	90,814,708	140,548,439	126,277,328	117,637,675	107,076,192
Deductions:					
Hire of freight cars Dr. balance	10,873,218	9,299,137	10,819,128	12,912,973	8,675,450
Lease of other roads	4,985,140	4,628,115	4,494,322	4,341,619	4,304,585
Other rents	4,803,065	4,912,199	5,272,590	5,521,280	5,992,850
Other properties loss	5,716,845	-	-	-	-
Interest on funded and unfunded debt	68,688,037	65,859,459	67,015,766	44,733,512	50,967,749
Other deductions	10,194,123	7,491,657	7,821,607	7,556,644	3,836,895
Total	103,260,428	92,190,567	95,423,413	75,066,038	73,777,529
Net Income	Dr. 12,445,720	48,357,872	30,853,915	42,571,637	33,498,663
Disposal of net income:					
Dividends - Common	17,730,690	32,354,990	22,112,062	23,212,308	22,752,828
Preferred	3,920,768	3,436,648	3,376,010	3,292,709	3,422,603
Sinking funds and reserves	440,009	484,695	451,039	582,350	590,245
Investment in railways and miscellaneous	1,480,762	942,745	3,896,927	1,075,799	717,541
Total debits	23,572,229	37,219,078	29,836,038	28,163,166	27,483,217
Total credits	1,405,062	3,937,107	13,304,030	2,608,310	5,680,764
Balance to General Balance Sheet	Cr. 34,612,887	Cr. 15,075,901	Cr. 14,321,907	Cr. 17,016,781	Cr. 11,696,210

TABLE 11. Gross Earnings for Year ended December 31

	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Rail line:					
Freight.....	707,401,177	769,149,967	875,962,306	941,947,985	971,758,543
Passenger.....	85,082,087	78,553,778	89,005,763	90,712,586	85,975,687
Excess baggage.....	390,938	346,063	358,912	354,712	341,306
Sleeping cars.....	8,947,770	8,320,013	9,321,109	10,828,710	10,484,407
Parlour and chair cars.....	850,115	766,115	787,951	849,339	833,105
Mail.....	9,388,085	14,655,661	12,472,970	13,445,596	15,322,839
Express.....	35,933,394	36,048,678	42,037,100	49,658,174	51,785,959
Other Passenger train.....	91,948	86,002	85,196	91,654	85,236
Milk.....	606,094	557,453	578,340	571,827	569,524
Switching.....	6,459,701	6,613,116	8,107,649	9,748,591	9,478,787
Other freight train.....	—	8,679	—	—	—
Water transfer—freight.....	1,040,032	1,231,001	1,410,404	1,586,159	1,483,057
“ “ — passenger.....	356,917	380,924	456,612	518,419	480,107
Total.....	856,348,258	916,717,450	1,040,586,312	1,120,313,752	1,148,598,557
Water line:					
Freight.....	2,972,838	3,000,027	3,644,487	3,925,550	4,412,659
Passenger.....	481,383	306,665	377,283	424,817	418,682
Excess baggage.....	—	—	51	102	42
Mail.....	8,617	7,456	2,638	2,581	3,781
Express.....	3,617	1,956	3,530	2,475	1,671
Other.....	51,211	38,015	39,885	46,458	47,406
Total.....	3,517,666	3,354,119	4,067,874	4,401,983	4,884,241
Incidental:					
Dining and buffet.....	5,934,453	5,549,684	6,550,303	7,028,691	7,142,572
Hotel and restaurant.....	1,782,098	1,699,185	1,911,433	1,872,779	1,811,835
Station, train, etc., privileges.....	3,355,682	3,104,653	3,467,850	3,642,956	3,638,959
Parcel room.....	215,015	173,628	192,944	199,544	186,549
Storage—freight.....	342,513	325,786	730,893	649,199	711,972
“ — baggage.....	115,047	93,635	118,767	130,662	114,291
Demurrage.....	2,032,464	1,848,226	3,860,716	4,158,876	3,910,483
Telegraph and telephone.....	10,230,710	11,683,990	13,309,116	15,340,436	17,564,438
Grain elevators.....	1,290,254	1,241,925	1,432,173	1,983,173	2,217,728
Stockyards.....	—	—	—	—	—
Rents of buildings, etc.....	1,850,952	1,924,280	1,925,379	2,206,136	3,098,162
Miscellaneous.....	5,990,271	10,135,451	10,185,516	9,930,059	11,799,244
Power.....	55,380	43,288	35,466	27,694	29,348
Total.....	33,194,839	37,823,731	43,720,556	47,170,205	52,225,581
Joint facilities, Cr. balance.....	1,136,501	1,090,451	209,047	272,725	227,035
Gross earnings.....	894,397,264	958,985,751	1,088,583,789	1,172,158,665	1,205,835,414
Operating expenses:					
Maintenance of way and structures.....	164,891,364	163,998,704	202,490,988	215,411,186	227,049,996
Maintenance of equipment.....	186,067,026	189,507,197	224,184,671	243,341,926	254,035,999
Traffic.....	17,612,056	18,591,724	19,958,080	21,297,453	22,839,459
Transportation—Rail line.....	404,063,535	402,263,256	466,677,046	501,873,165	513,690,185
Transportation—Water line.....	1,969,910	1,730,951	1,976,191	2,161,503	2,396,527
Miscellaneous operations.....	15,018,118	14,308,788	15,605,498	16,010,424	16,420,059
General expenses.....	41,834,437	43,325,942	46,684,588	57,090,647	63,961,611
Total.....	831,456,446	833,726,562	977,577,062	1,057,186,304	1,100,393,836

TABLE 12. Operating Statistics for Year ended December 31

	1949	1950	1951	1952	1953
Average single track mileage.....	42,863	42,982	42,945	42,980	43,039
Locomotive miles:					
Steam:					
Freight.....	87,546,030 ¹	85,090,069	85,913,629	82,046,387	69,920,253
Passenger.....	44,871,662 ¹	42,413,540	45,076,508	45,432,211	43,026,173
Total.....	132,417,692¹	127,503,609	130,990,137	127,478,598	112,946,426
Switching.....	27,669,621 ¹	26,463,597	27,093,914	24,981,802	21,624,703
Non-revenue.....	3,589,407 ¹	3,659,562	4,180,027	3,408,739	2,875,529
Grand Total.....	163,676,720¹	157,626,768	162,264,078	155,869,139	137,446,658
Other:					
Freight.....	1,459,097 ¹	3,722,852	9,798,115	15,478,017	22,380,619
Passenger.....	1,257,798 ¹	1,749,884	1,961,478	3,163,016	5,007,725
Total.....	2,716,895¹	5,472,736	11,759,593	18,641,033	27,388,344
Switching.....	7,950,120 ¹	9,566,490	11,576,677	14,358,059	15,678,935
Non-revenue.....	25,858 ¹	102,566	185,779	463,642	593,773
Grand Total.....	10,692,873¹	15,141,792	23,522,049	33,462,734	43,661,052

1. Excludes Newfoundland.

TABLE 12. Operating Statistics for Year ended December 31 - Continued

	1949 ¹	1950	1951	1952	1953
Locomotive miles - Concluded:					
Total locomotive miles:					
Freight.....	89,005,127	88,812,921	95,711,744	97,524,404	92,300,872
Passenger.....	46,129,460	44,163,424	47,037,986	48,595,227	48,033,898
Total.....	135,134,587	132,976,345	142,749,730	146,119,631	140,334,770
Switching.....	35,619,741	36,030,087	38,670,591	39,339,861	37,303,638
Non-revenue.....	3,615,265	3,762,128	4,365,806	3,872,381	3,469,302
Grand Total.....	174,369,593	172,768,560	185,786,127	189,331,873	181,107,710
Train miles:					
Drawn by locomotives:					
Freight.....	81,648,053	81,397,148	87,181,640	89,217,123	84,997,904
Passenger.....	44,342,869	42,454,046	44,976,228	46,500,973	45,817,723
Total.....	125,990,922	123,851,194	132,157,868	135,718,096	130,815,627
Non-revenue.....	2,519,889	2,610,302	3,569,927	3,235,091	2,970,608
Drawn by motor unit car:					
Freight.....	—	—	—	—	—
Passenger.....	1,337,140	1,290,118	1,224,719	1,162,644	1,159,548
Total.....	1,337,140	1,290,118	1,224,719	1,162,644	1,159,548
Non-revenue.....	—	—	—	—	—
Total revenue train miles:					
Freight.....	81,648,053	81,397,148	87,181,640	89,217,123	84,997,904
Passenger.....	45,680,009	43,744,164	46,200,947	47,663,617	46,977,271
Total.....	127,328,062	125,141,312	133,382,587	136,880,740	131,975,175
Freight car miles - In revenue freight trains:					
Freight loaded.....	2,076,080,614	2,102,531,537	2,276,541,387	2,334,490,314	2,258,006,659
Freight empty.....	934,222,404	910,635,517	1,021,239,544	1,128,795,456	1,105,920,390
Caboose.....	81,330,429	80,779,907	86,560,261	88,516,401	84,603,493
Total.....	3,091,633,447	3,093,946,961	3,384,341,192	3,551,802,171	3,448,530,542
Freight car miles - Loaded and Empty (including Caboose):					
In passenger trains.....	5,971,147	5,740,568	6,148,868	6,128,057	5,521,625
In non-revenue trains.....	10,171,891	9,674,468	10,560,435	10,280,620	10,507,508
Grand Total.....	3,107,776,485	3,109,361,997	3,401,050,495	3,568,210,848	3,464,559,675
Passenger car miles - In revenue passenger trains:					
Drawn by locomotives:					
Motor unit car.....	693	1,205	—	—	4,016
Passenger.....	107,303,641	98,943,058	107,181,552	108,673,364	104,669,376
Sleeper, parlour and observation.....	112,269,854	107,139,493	111,980,449	116,747,648	118,000,631
Dining.....	17,678,507	17,568,796	18,044,472	18,911,183	17,674,252
Express.....	79,122,075	77,264,158	81,776,817	89,338,482	93,475,650
Other passenger train car.....	65,272,412	68,043,455	69,479,647	72,403,369	70,770,144
Total.....	381,647,182	366,960,165	388,462,937	406,074,246	404,594,069
Drawn by motor unit cars:					
Motor unit car.....	1,388,884	1,329,251	1,264,264	1,257,292	1,310,412
Passenger.....	1,005,410	987,843	989,882	1,014,135	1,246,031
Sleeper, parlour and observation.....	—	157	—	—	—
Dining.....	—	—	—	—	—
Express.....	44,067	26,779	19,411	19,587	12,440
Other passenger train car.....	45,456	26,189	17,018	39,136	28,639
Total.....	2,483,817	2,370,219	2,290,575	2,330,150	2,597,522
Total passenger train car miles in revenue passenger trains:					
Motor unit car.....	1,389,577	1,330,456	1,264,264	1,257,292	1,314,428
Passenger.....	108,309,051	99,930,901	108,171,434	109,687,499	105,915,407
Sleeper, parlour and observation.....	112,269,854	107,139,650	111,950,449	116,747,848	118,000,631
Dining.....	17,678,507	17,568,796	18,044,472	18,911,183	17,674,252
Express.....	79,166,142	77,290,937	81,796,228	89,358,069	93,488,090
Other passenger train car.....	65,317,868	66,069,644	69,496,665	72,442,505	70,798,783
Total.....	384,130,999	369,330,384	390,753,512	408,404,396	407,191,591
In freight trains.....	23,216,336	23,382,013	24,337,565	22,743,661	23,453,459
In non-revenue trains.....	73,894	88,158	87,657	86,505	81,667
Grand Total.....	407,421,229	392,800,555	415,178,734	431,234,562	430,726,717
Motor bus miles.....	293,533	342,700	357,877	388,902	351,984
Motor truck miles.....	—	—	—	—	—
Averages:					
Locomotive miles per mile of road.....	4,119	4,020	4,326	4,405	4,208
Train miles per mile of road.....	3,067	2,972	3,189	3,260	3,135
Loaded freight cars per freight train.....	25.43	25.83	26.11	26.17	26.57
Empty.....	11.44	11.19	11.71	12.65	13.01
Total freight train cars per freight train.....	37.87	38.01	38.82	39.81	40.57
Passenger train cars per passenger train drawn by locomotive.....	8.61	8.64	8.64	8.73	8.83
Passenger cars per passenger train drawn by locomotive.....	4.95	4.85	4.87	4.85	4.86

1. Excludes Newfoundland.

2. Includes all trailer car miles in motor unit trains.

3. Includes motor unit car miles.

TABLE 12. Operating Statistics for Year ended December 31 — Concluded

	1949	1950	1951	1952	1953
Freight traffic—Revenue Freight—Tons:					
Originated on Canadian railways ¹	108,560,203	108,147,330	121,835,765	125,336,346	119,985,980
Rec'd from Foreign connections ²	34,159,228	36,070,989	39,424,756	36,839,035	36,263,279
Total tons originated	142,719,431	144,218,319	161,260,521	162,175,381	156,249,259
Interchanged between Canadian Railways	19,572,795	20,140,601	23,102,905	22,881,773	20,502,377
Total tons	162,292,226	164,358,920	184,363,426	185,057,154	176,751,636
Tons carried one mile (thousands)	56,338,231	55,537,900	64,300,418	68,430,417	65,267,016
Tons originated per mile of road	3,330	3,355	3,755	3,773	3,630
Tons carried one mile per mile of road	1,314,379	1,292,120	1,497,274	1,592,146	1,516,462
Average tons per freight train	689 ¹	682	738	767	768
Average haul per ton, all railways—miles (Originating)	396 ¹	385	399	422	418
Freight traffic—Revenue and non-revenue freight:					
Tons carried	182,036,486	184,477,378	205,073,912	206,132,601	195,661,999
Tons carried one mile (thousands)	61,660,198	60,789,130	69,690,709	73,961,106	70,350,357
Average tons per loaded car mile	29.65 ¹	28.91	30.61	31.68	31.16
Gross ton miles (thousands)	133,306,378 ¹	133,103,840	148,547,147	156,671,342	151,194,542
Gross ton miles per freight train mile	1,633 ¹	1,635	1,704	1,756	1,779
Gross ton miles per mile of road	3,148,920 ¹	3,096,734	3,459,009	3,645,215	3,512,966
Passenger traffic:					
Passengers carried	34,883,803	31,139,092	30,995,604	30,167,145	28,736,159
Passengers carried one mile (thousands)	3,193,174	2,816,154	3,110,241	3,151,261	2,985,944
Passengers carried per mile of road	818 ¹	724	722	702	668
Passengers carried one mile per mile of road	74,573 ¹	65,519	72,424	73,319	69,378
Average number of passengers per passenger train	69 ¹	64	67	66	64
Average number of passengers per passenger train car	8 ¹	8	8	8	7
Average number of passengers per passenger car	14 ¹	14	14	14	13
Average distance each railway carried a passenger	91.2 ¹	90.4	100.3	104.5	103.9
Freight revenue—rail line:					
Freight receipts	\$ 707,401,177	\$ 769,149,967	\$ 875,962,306	\$ 941,947,985	\$ 971,758,543
Switching receipts	\$ 6,459,701	\$ 6,613,116	\$ 8,107,649	\$ 9,748,591	\$ 9,478,787
Other freight train receipts and water transfers	\$ 1,040,032	\$ 1,239,680	\$ 1,410,404	\$ 1,586,159	\$ 1,483,057
Total freight revenue	\$ 714,900,910	\$ 777,002,763	\$ 885,480,359	\$ 953,282,735	\$ 982,720,387
Average freight revenue per mile of road	\$ 16,794 ¹	\$ 18,077	\$ 20,619	\$ 22,180	\$ 22,833
Average freight receipts per mile of road	\$ 16,627 ¹	\$ 17,895	\$ 20,397	\$ 21,916	\$ 22,579
Average freight receipts per freight train mile	\$ 8.62 ¹	\$ 9.45	\$ 10.05	\$ 10.56	\$ 11.43
Average freight receipts per loaded freight car mile	\$ 33.9 ¹	\$ 36.6	\$ 38.48	\$ 40.35	\$ 43.04
Average freight receipts per ton originated	\$ 4.96 ¹	\$ 5.33	\$ 5.43	\$ 5.81	\$ 6.22
Average freight receipts per ton mile	\$ 1.252 ¹	\$ 1.385	\$ 1.362	\$ 1.377	\$ 1.489
Passenger revenue—rail line:					
Passenger receipts	\$ 85,082,087	\$ 78,553,778	\$ 89,005,763	\$ 90,712,586	\$ 85,975,687
Sleeper, parlour, observation car receipts	\$ 9,797,885	\$ 9,086,128	\$ 10,109,060	\$ 11,678,049	\$ 11,317,512
Excess baggage	\$ 390,938	\$ 346,063	\$ 358,912	\$ 354,712	\$ 341,306
Mail	\$ 9,388,085	\$ 14,655,861	\$ 12,472,970	\$ 13,445,596	\$ 15,322,839
Express	\$ 35,933,394	\$ 36,048,678	\$ 42,037,100	\$ 49,658,174	\$ 51,785,959
Milk	\$ 806,094	\$ 557,453	\$ 578,340	\$ 571,627	\$ 569,524
Other passenger train revenue and water transfer	\$ 448,665	\$ 466,926	\$ 543,608	\$ 610,073	\$ 565,343
Total passenger train revenue	\$ 141,647,348	\$ 139,714,687	\$ 155,105,953	\$ 167,031,017	\$ 165,878,170
Average passenger train revenue per mile of road	\$ 3,288.28 ¹	\$ 3,250.54	\$ 3,611.73	\$ 3,886.25	\$ 3,854.14
Average passenger train revenue per passenger train mile	\$ 3.05 ¹	\$ 3.19	\$ 3.38	\$ 3.50	\$ 3.53
Average passenger train revenue per passenger train car mile	\$ 36.2 ¹	\$ 37.8	\$ 39.7	\$ 40.80	\$ 40.74
Average passenger receipts per passenger per railway	\$ 2.43 ¹	\$ 2.52	\$ 2.87	\$ 3.01	\$ 2.99
Average passenger receipts per passenger mile	\$ 2.66 ¹	\$ 2.79	\$ 2.86	\$ 2.88	\$ 2.88
Average passenger receipts per passenger car mile	\$ 37.87 ¹	\$ 37.69	\$ 40.20	\$ 39.84	\$ 38.17
Average sleeper, etc., receipts per sleeper, etc., car miles	\$ 8.6 ¹	\$ 8.5	\$ 9.0	\$ 10.0	\$ 9.6
Revenue water line:					
Freight	\$ 2,972,838	\$ 3,000,027	\$ 3,644,487	\$ 3,925,550	\$ 4,412,659
Passenger, baggage, mail, express	\$ 493,617	\$ 316,077	\$ 383,502	\$ 429,975	\$ 424,176
Other	\$ 51,211	\$ 38,015	\$ 39,885	\$ 46,458	\$ 47,406
Total	\$ 3,517,666	\$ 3,354,119	\$ 4,067,874	\$ 4,401,983	\$ 4,884,241
Gross Earnings from operation, rail and water:					
Freight, rail and water	\$ 717,873,748	\$ 780,002,790	\$ 889,124,846	\$ 957,208,285	\$ 987,133,046
Passenger, rail and water	\$ 142,140,965	\$ 140,030,764	\$ 155,489,455	\$ 167,460,992	\$ 166,302,346
Other earnings from operation	\$ 34,382,551	\$ 38,952,197	\$ 43,969,488	\$ 47,489,388	\$ 52,500,022
Total	\$ 894,397,264	\$ 958,985,751	\$ 1,088,583,789	\$ 1,172,158,665	\$ 1,205,935,414
Operating expenses	\$ 831,458,446	\$ 833,726,562	\$ 977,577,062	\$ 1,057,186,304	\$ 1,100,393,836
Net operating revenue	\$ 62,940,818	\$ 125,259,189	\$ 111,006,727	\$ 114,972,361	\$ 105,541,578
Operating ratio	92.61 ¹	86.94	89.80	90.19	91.25
Gross earnings per mile of road	\$ 20,944 ¹	\$ 22,311	\$ 25,348	\$ 27,272	\$ 28,020
Gross earnings per revenue train mile	\$ 6.96 ¹	\$ 7.66	\$ 8.16	\$ 8.58	\$ 9.14

1. Excludes Newfoundland.

2. Adjusted for foreign grain loaded from port elevators.

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

TABLE 13. Taxes for Year ended December 31

	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Provincial:					
Newfoundland.....	4,064	59	4,310	6,335	7,235
Prince Edward Island.....	3,829	3,829	3,787	3,773	3,835
Nova Scotia.....	87,080	88,558	83,302	101,804	103,263
New Brunswick.....	126,158	149,530	200,953	209,359	232,259
Quebec.....	2,701,631	2,787,114	1,601,197	3,373,060	3,408,129
Ontario.....	3,260,951	3,468,467	4,035,643	3,359,791	3,341,957
Manitoba.....	1,035,342	1,830,129	1,384,025	1,463,915	1,046,768
Saskatchewan.....	660,280	625,318	720,669	757,476	612,862
Alberta.....	583,251	609,718	682,188	722,036	794,663
British Columbia.....	1,203,062	1,219,824	1,307,451	1,397,329	1,430,286
Yukon.....	7,596	13,059	10,287	9,168	15,727
Income and excess profits tax.....	2,797,492	15,193,201	18,954,092	21,194,224	19,874,444
Unemployment insurance.....	3,379,833	3,788,952	4,779,879	4,991,465	4,863,134
Other special tax.....	242,173	271,613	277,259	305,540	22,345
Outside Canada.....	2,114,305	2,269,719	2,383,722	2,401,360	2,527,103
Total.....	18,207,047	32,319,090	36,428,764	40,296,635	38,284,010
Taxes paid by railway bridge companies.....	4,891	4,298	5,272	14,780	26,522
" " " Pullman Company.....	Cr. 24,765	—	—	—	—
Grand Total.....	18,187,173	32,323,388	36,434,036	40,311,415	38,310,532

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

TABLE 14. Traffic Handled for Year ended December 31¹

	1949	1950	1951	1952	1953
	Tons				
Agricultural products:					
Wheat.....	12,861,460	10,180,638	15,444,631	19,026,645	18,463,859
Corn.....	1,011,225	928,237	962,224	914,140	973,051
Oats.....	2,523,349	1,998,361	2,679,391	3,219,709	3,188,551
Barley.....	2,184,213	1,815,905	2,910,465	4,449,143	4,145,961
Rye.....	383,464	251,726	260,290	409,862	436,414
Flaxseed.....	268,626	103,917	216,167	304,565	335,737
Other Grain.....	347,990	330,294	354,650	387,762	410,030
Flour.....	2,012,513	1,996,281	2,222,861	2,233,819	2,043,808
Other mill products.....	2,463,699	2,478,974	2,565,747	2,584,815	2,327,895
Hay and straw.....	242,658	228,792	176,994	89,421	121,864
Cotton.....	204,733	226,042	210,137	190,311	168,695
Apples (fresh).....	228,086	249,086	191,554	156,580	135,674
Other fruit (fresh).....	610,833	567,896	615,445	627,500	680,520
Potatoes.....	930,629	864,257	731,980	765,848	765,393
Other fresh vegetables.....	457,588	460,283	481,071	443,716	477,111
Other agricultural products.....	1,559,255	1,694,169	1,715,791	1,598,937	1,631,234
Total.....	28,290,321	24,375,858	31,739,398	37,402,773	36,305,797
Animal products:					
Horses.....	42,842	64,119	70,636	50,711	44,472
Cattle and calves.....	667,524	591,652	446,577	346,098	403,819
Sheep.....	31,329	27,510	23,440	18,704	20,284
Hogs.....	234,870	223,765	218,516	264,111	201,465
Dressed meats (fresh).....	618,291	551,334	545,615	310,400	472,609
Dressed meats (cured, salted, canned).....	83,736	76,822	60,171	35,883	46,104
Other packing house products (edible).....	192,239	135,884	209,481	149,755	137,982
Poultry (live).....	259	26	69	18	15
Eggs.....	61,060	21,597	14,250	13,938	9,037
Butter.....	78,189	80,015	87,763	56,718	51,086
Cheese.....	98,124	70,412	84,735	58,356	65,047
Wool.....	67,160	80,489	66,324	56,766	63,125
Hides and leather.....	166,565	151,949	134,084	121,138	136,749
Other animal products (non-edible).....	197,287	226,651	234,666	211,094	216,491
Total.....	2,539,475	2,302,225	2,196,327	1,693,690	1,868,285
Mine products:					
Anthracite coal.....	4,099,390	4,481,323	4,110,389	3,879,154	2,911,118
Bituminous coal.....	13,946,461	15,058,571	14,505,205	13,796,988	12,270,030
Sub-bituminous coal.....	2,340,378	2,400,271	2,151,652	2,090,353	1,719,554
Lignite coal.....	1,521,762	1,787,973	1,802,473	1,641,374	1,562,262
Coke.....	1,805,620	1,899,872	2,223,652	2,145,360	1,802,753
Iron ore and concentrates.....	1,993,804	3,084,845	3,386,400	2,904,764	2,877,518
Copper ore and concentrates.....	2,203,150	2,142,768	2,144,342	2,075,401	2,081,020
Other ores and concentrates.....	7,518,998	7,085,333	7,753,787	7,896,390	8,048,730
Base bullion, matte, pig and ingot (non-ferrous metals).....	1,330,464	1,427,581	1,446,910	1,428,033	1,451,520
Sand and gravel.....	3,118,677	3,582,966	3,900,617	4,503,818	5,646,813
Stone (crushed, ground, broken).....	2,629,652	2,788,301	3,486,464	3,903,012	4,087,903
Slate, dimension or block stone.....	190,990	142,822	134,799	102,373	116,574
Crude petroleum.....	1,748,495	1,814,069	696,969	629,241	626,179
Asphalt (natural, by product petroleum).....	551,757	557,585	584,068	653,141	582,474
Salt.....	586,485	656,451	716,970	709,582	684,468
Other mine products.....	6,155,367	6,837,689	7,030,409	6,462,948	6,612,742
Total.....	51,741,450	55,748,420	56,055,106	54,821,932	53,081,658

1. Duplications excluded.

TABLE 14. Traffic Handled for Year ended December 31¹ - Concluded

	1949	1950	1951	1952	1953
	Tons				
Forest products:					
Logs, posts, poles, piling	1,439,447	1,350,064	1,832,259	2,372,333	1,947,648
Cordwood and other firewood	457,848	440,306	355,213	282,089	178,459
Ties	78,053	64,341	107,500	179,250	129,996
Pulpwood	6,555,770	5,521,412	9,970,231	8,663,783	5,878,947
Lumber, timber, box, crate and cooperage material	6,418,854	7,778,428	7,867,659	7,153,936	7,237,941
Plywood	193,197	246,911	286,756	308,095	438,548
Other forest products	453,229	428,877	416,299	370,671	382,948
Total	15,596,398	15,830,339	20,835,917	19,330,157	16,194,487
Manufactures and miscellaneous:					
Gasoline	3,268,421	3,199,869	3,421,566	3,922,987	3,966,463
Petroleum oils and other petroleum products (except asphalt and gasoline)	2,538,047	3,026,258	3,300,499	3,537,783	3,644,721
Sugar	654,862	552,522	492,742	496,578	483,381
Iron, pig and bloom	961,551	1,069,188	1,365,847	1,225,251	644,168
Rails and fastenings	258,285	243,207	256,515	244,547	218,235
Iron and steel (bar-sheet-structural pipe)	2,720,250	2,633,274	3,501,728	3,454,358	3,409,566
Castings, machinery and boilers	540,974	484,961	626,182	606,424	632,651
Cement	2,070,993	1,843,911	1,962,339	2,106,435	2,457,627
Brick and artificial stone	628,081	664,385	815,328	761,783	694,953
Lime and plaster	662,499	725,955	790,933	706,519	684,174
Sewer pipe and drain tile	87,929	87,109	102,432	77,526	90,814
Agricultural implements and vehicles other than autos	745,433	640,197	704,808	679,948	579,892
Automobiles, auto trucks and auto parts	2,102,622	2,517,930	2,456,566	2,302,126	2,809,963
Household goods and settlers' effects	33,215	28,426	27,227	20,566	15,554
Furniture	98,749	104,360	116,535	113,151	112,338
Liquor, beverages	786,728	656,073	761,907	842,741	798,753
Fertilizers, all kinds	2,091,058	1,962,785	1,936,017	1,901,624	1,819,385
Newsprint paper	3,747,561	3,844,113	4,056,679	4,010,699	3,927,865
Other paper	735,367	841,928	970,935	889,415	880,062
Paperboard, pulpboard and wallboard (paper)	629,879	696,908	790,236	674,119	769,079
Wood pulp	1,791,868	2,311,057	2,750,103	2,178,170	2,074,796
Fish (fresh, frozen, cured, etc.)	138,730	113,566	102,412	105,815	92,488
Canned goods (all canned food products except meats)	1,088,062	1,141,738	1,193,636	1,115,122	1,098,424
Other manufactures and miscellaneous	12,558,566	13,242,557	14,709,644	14,087,194	14,175,317
Merchandise (all L.C.L. freight)	3,612,057	3,329,200	3,220,957	2,865,946	2,718,363
Total	44,551,787	45,961,477	50,433,773	48,926,829	48,799,032
Grand total	142,719,431	144,218,319	161,260,521	162,175,381	156,249,259

1. Duplications excluded.

TABLE 15. Freight Cars in Service for Year ended December 31¹

	Number	Capacity - Tons	
		Total	Average
Automobile:			
1949	6,075	249,270	41.032
1950	6,087	249,520	40.992
1951	6,396	265,440	41.501
1952	7,330	302,810	41.311
1953	7,580	315,200	41.693
Ballast:			
1949	1,772	84,320	47.585
1950	1,862	90,975	48.859
1951	1,803	88,625	49.154
1952	1,847	92,580	50.125
1953	1,940	97,130	50.067
Box:			
1949	118,576	5,161,762	43.531
1950	116,332	5,086,872	43.727
1951	121,318	5,375,132	44.306
1952	121,828	5,447,152	44.712
1953	119,753	5,396,727	45.065
Flat:			
1949	10,951	469,714	42.892
1950	11,263	487,479	43.281
1951	11,062	478,639	43.269
1952	11,748	517,864	44.081
1953	11,690	515,849	44.127

1. Table revised for 1949, 1950 and 1951 restating classification of cars, for full description see page 6 of Part 1, 1952.

TABLE 15. Freight Cars in Service for Year ended December 31¹ - Concluded-

	Number	Capacity - Tons	
		Total	Average
Gondola:			
1949.....	14,135	868,645	61.453
1950.....	13,922	859,643	61.747
1951.....	14,098	874,654	62.041
1952.....	16,552	1,048,144	63.324
1953.....	17,603	1,122,142	63.747
Hopper:			
1949.....	9,100	534,365	58.721
1950.....	8,903	525,175	58.989
1951.....	8,897	528,070	59.354
1952.....	10,083	616,965	61.189
1953.....	11,598	737,490	63.588
Ore:			
1949.....	1,902	111,230	58.481
1950.....	1,954	116,390	59.565
1951.....	1,902	114,180	60.032
1952.....	1,878	113,040	60.192
1953.....	1,969	119,810	60.848
Refrigerator:			
1949.....	7,921	324,777	41.002
1950.....	8,050	332,512	41.306
1951.....	8,231	344,612	41.868
1952.....	8,691	368,012	42.344
1953.....	9,438	405,142	42.927
Stock:			
1949.....	6,648	225,625	33.939
1950.....	6,655	227,615	34.202
1951.....	6,509	223,295	34.306
1952.....	6,284	215,505	34.294
1953.....	6,057	207,815	34.310
Tank:			
1949.....	454	19,430	42.797
1950.....	469	20,535	43.785
1951.....	460	20,165	43.837
1952.....	268	10,975	40.951
1953.....	328	15,385	46.905
Other:			
1949.....	80	3,050	38.125
1950.....	100	3,750	37.500
1951.....	49	1,960	40.000
1952.....	48	1,920	40.000
1953.....	44	1,320	30.000
Total:			
1949.....	177,614	8,052,188	45.335
1950.....	175,597	8,000,466	45.562
1951.....	180,725	8,314,772	46.008
1952.....	186,557	8,734,967	46.822
1953.....	187,980	8,934,010	47.526

1. Table revised for 1949, 1950 and 1951 restating classification of cars, for full description see page 6 of Part I, 1952.

TABLE 16. Passenger Cars in Service for Year ended December 31

	1949	1950	1951	1952	1953
Motor unit passenger.....	54	52	49	55	59
Coach.....	2,173	2,211	2,169	2,088	2,064
Combination passenger.....	337	337	339	339	331
Colonist.....	347	333	315	302	291
Dining.....	195	196	196	183	180
Farlow.....	175	176	153	162	161
Sleeping.....	775	795	803	805	801
Baggage, express and postal.....	1,766	1,808	2,201	2,244	2,430
Other.....	402	430	141	150	139
Total ¹	6,224	6,338	6,366	6,328	6,456
Cars in company service:					
Caboose.....	3,138	3,150	3,187	3,209	3,301
All other.....	13,942	14,124	14,456	14,961	15,424
Total.....	17,080	17,274	17,643	18,170	18,725
Cars leased (included in above).....	229	219	307	314	703
Motor buses.....	11	10	13	13	14
Motor trucks.....	13	14	20	21	22

1. Includes Pullman Co. cars in Canadian Service.

TABLE 17. Locomotives in Service for Year ended December 31

	1949	1950	1951	1952	1953
Locomotives:					
Steam:					
Coal burning	4,351	3,730	3,553	3,423	3,162
Oil burning	1	542	555	591	667
Diesel electric — "A" units	246	350	491	670	848
"B" units	2	2	83	93	108
Electric	30	33	33	33	33
Total	4,627	4,655	4,715	4,810	4,818
Leased (included in above)	55	58	51	46	37
Tractive power, average pounds per locomotive	41,923	42,179	42,488	42,283	42,741

1. Included with coal burning locomotives.
2. Included with "A" units.

TABLE 18. Fuel Consumed by Locomotives for Year ended December 31

Class of Locomotive	1949	1950	1951	1952	1953
	Tons				
Freight	8,095,289	7,970,156	8,381,479	8,295,311	7,455,570
Passenger	2,740,255	2,586,827	2,759,780	2,793,665	2,739,994
Switching	1,489,814	1,450,705	1,521,024	1,410,861	1,258,669
Non-revenue	255,751	265,612	300,153	268,065	235,248
Total tons	12,581,109	12,273,300	12,962,436	12,767,902	11,689,481
Total cost	\$ 100,451,839	97,598,120	105,325,378	108,581,772	99,544,216
Average cost per ton	\$ 7.98	7.95	8.13	8.50	8.52
Rail motor cars:					
Gasoline	233,304	250,189	213,333	151,510	117,176
Diesel oil	223,319	199,042	217,083	223,928	228,590
Fuel oil	—	—	—	—	—
Total cost	\$ 87,505	88,709	81,319	70,066	62,295
Motor buses and motor trucks:					
Gasoline	57,304	71,542	73,086	82,221	72,553
Total cost	\$ 22,313	28,683	29,917	33,303	29,496

TABLE 19. Fuel Consumed per 100 Locomotive Miles¹ for Year ended December 31

Class of Locomotive	1949	1950	1951	1952	1953
	Tons				
Freight	8.42	8.30	8.12	7.90	7.52
Passenger	5.90	5.81	5.82	5.71	5.67
Switching	5.29	5.10	4.95	4.48	4.18
Non-revenue	7.07	7.06	6.88	6.92	6.78

1. Table 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.

TABLE 20. Cost of Fuel per 100 Locomotive Miles¹ for Year ended December 31

Class of Locomotive	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Freight.....	67.25	65.99	65.94	67.15	64.03
Passenger.....	47.07	46.21	47.31	48.55	48.27
Switching.....	42.25	40.56	40.20	38.13	35.56
Non-revenue.....	56.48	56.14	55.86	58.87	57.74

1. See footnote 1 table 19. This table excludes fuel used in rail motor cars.

TABLE 21. Consumption of Fuel for Purposes Other than Locomotive Fuel for Year ended December 31

	1949	1950	1951	1952	1953
Anthracite..... tons	12,020	13,618	17,285	14,826	10,216
Bituminous..... "	682,484	662,595	578,701	533,716	541,437
Lignite..... "	314,236	352,341	398,282	393,828	385,077
Fuel oil..... gals.	20,044,806	23,755,514	27,709,573	29,108,217	35,493,136
Diesel oil..... "	2,976,716	2,887,302	2,665,646	3,456,992	3,138,941
Gasoline..... "	2,848,039	2,951,759	3,241,246	3,195,883	3,167,178

TABLE 22. Rails Laid in Track for Year ended December 31

	1949 ¹	1950	1951	1952	1953
	Tons				
In previously constructed track:					
New open hearth.....	199,597	266,160	221,877	206,199	209,068
Relay.....	213,861	222,328	257,489	253,215	232,675
Other.....	848	645	989	1,999	2,746
Total.....	414,306	489,133	480,355	461,413	444,489
In new track and extensions:					
New open hearth.....	869	490	3,300	588	413
Relay.....	17,679	13,567	27,498	31,959	30,857
Other.....	162	132	299	401	156
Total.....	18,710	14,189	31,097	32,948	31,426

1. Long tons (2,240 lbs.).

TABLE 23. Total Switch and Bridge Ties Placed in Track for Year ended December 31

	1949	1950	1951	1952	1953
Treated—No. of M bd. feet.....	16,494	12,399	12,228	10,552	12,336
Average cost..... \$	89.89	86.48	91.25	126.00	133.56
Untreated—No. of M bd. feet.....	4,834	4,092	3,778	2,990	3,533
Average cost..... \$	67.36	71.59	80.03	138.87	117.06
Total—No. of M bd. feet.....	21,328	16,491	16,006	13,542	15,869
Average cost..... \$	84.78	82.79	88.60	128.84	129.89

TABLE 24. Cross-Ties Purchased for Year ended December 31

Kind	1949	1950	1951	1952	1953
Hardwood					
Ash.....	—	—	—	—	—
Oak.....	31,041	38,012	37,463	30,057	66,280
Elm.....	—	—	2,477	18,422	14,388
Chestnut.....	—	—	—	—	—
Beech.....	118,436	82,499	121,665	225,931	265,093
Birch.....	758,815	429,842	418,214	783,465	945,218
Maple.....	376,302	235,118	281,717	706,426	796,790
Unclassified.....	27,225	69,484	56,157	52,346	56,468
Total	1,311,819	854,935	917,693	1,796,647	2,144,237
Softwood					
Cypress.....	14,364	6,616	16,052	1,831	1,602
Cedar.....	64,338	46,049	39,151	111,979	123,096
Hemlock.....	278,866	179,352	177,703	635,348	280,089
Fir.....	1,308,256	963,138	1,259,419	1,934,658	1,127,029
Pine.....	4,914,992	3,676,674	3,824,780	6,937,687	5,816,516
Poplar.....	—	—	—	2,858	1,040
Tamarack.....	501,851	279,611	315,600	517,527	325,145
Spruce.....	84,038	49,623	121,209	372,941	164,424
Unclassified.....	28,761	3,207	43,275	282,224	1,627
Total	7,175,466	5,206,270	5,797,189	10,777,053	7,840,568

TABLE 25. Cross-Ties Placed in Track for Year ended December 31

	1949	1950	1951	1952	1953
In previously constructed track:					
Treated ties.....	6,366,917	6,600,171	6,369,026	6,322,857	6,690,587
Untreated ties.....	1,736,095	1,255,795	907,869	1,031,157	855,196
Total	8,103,012	7,855,966	7,276,895	7,354,014	7,545,783
In new track and extension:					
Treated ties.....	264,089	154,644	334,441	404,240	429,259
Untreated ties.....	53,222	59,461	96,883	75,245	37,785
Total	317,311	214,105	431,324	479,485	467,044
Average cost:					
Treated ties..... \$	2.32	2.32	2.38	2.77	3.18
Untreated ties..... \$	1.38	1.32	1.50	1.80	1.84

TABLE 26. Number of Persons Injured in Train and Non-Train Accidents and Dying after Twenty-four Hours for Year ended December 31

	1949	1950	1951	1952	1953
Trainmen.....	2	2	3	3	5
Trackmen.....	1	2	4	4	1
Switch tenders, etc.	—	—	—	1	—
Stationmen.....	1	1	—	2	—
Shopmen.....	4	1	1	2	—
Telegraph employees.....	—	—	—	—	—
Other employees.....	1	—	—	—	—
Passengers.....	3	2	2	—	2
Trespassers.....	3	3	3	1	3
Non-trespassers.....	12	2	7	7	3
Postal-clerks, etc.	—	—	—	—	3
Total	27	13	20	20	17

TABLE 27. Time Lost by Employees Through Injuries Incurred in Train and Non-train Accidents for Year ended December 31

		Class of Accident	1949	1950	1951	1952	1953
Trainmen	Number	Train	1,945	1,759	1,894	1,963	1,565
"	"	Non-train	136	172	115	93	74
"	Days absent		62,993	55,155	58,001	57,016	50,024
Trackmen	Number	Train	118	175	111	135	123
"	"	Non-train	2,434	2,266	1,993	1,674	1,382
"	Days absent		72,900	69,437	56,050	52,555	51,197
Switch tenders, etc.	Number	Train	158	133	167	154	158
"	"	Non-train	63	43	57	46	43
"	Days absent		10,742	9,768	7,414	7,166	7,245
Stationmen	Number	Train	6	15	13	15	17
"	"	Non-train	772	756	773	663	564
"	Days absent		17,594	19,067	16,946	15,879	15,325
Shopmen	Number	Train	38	42	66	50	40
"	"	Non-train	2,440	2,218	1,885	1,682	1,428
"	Days absent		63,231	59,216	47,724	43,218	36,968
Telegraph employees	Number	Train	16	7	4	9	14
"	"	Non-train	164	135	154	166	182
"	Days absent		4,603	3,882	3,075	4,122	5,388
Other employees	Number	Train	137	113	86	104	100
"	"	Non-train	367	274	333	265	227
"	Days absent		13,090	9,270	9,906	7,215	7,830
Total	Number	Train	2,418	2,244	2,341	2,430	2,017
"	"	Non-train	6,376	5,864	5,310	4,589	3,900
"	Days absent		245,153	225,795	199,116	187,171	173,977

TABLE 28. Number of Accidents Resulting from the Movement of Trains for Year ended December 31

Causes	1949	1950	1951	1952	1953
Coupling and uncoupling	117	101	110	107	97
Collisions — between:					
Railway rolling stock	62	92	76	111	70
Trains or locomotives and motor vehicles or horse-drawn vehicles:					
At highway crossings	400	346	398	368	406
At other points		19	34	50	49
Track cars or hand cars and motor vehicles or horse-drawn vehicles:					
At highway crossings	22	11	10	20	14
At other points		4	1	2	3
Pedestrians struck by trains or locomotives, cars or hand cars, etc.					
At highway crossings	15	26	21	20	15
At other points	216	180	210	183	167
Deraillments	33	32	36	21	43
Locomotives or cars breaking down	2	3	1	1	—
Getting on or off trains	626	477	552	555	476
Falling from trains, locomotives or cars	152	101	159	193	139
Striking overhead or other obstructions	28	26	27	25	37
Other causes	1,516	1,320	1,443	1,472	1,159
Total	3,189	2,738	3,078	3,128	2,669

TABLE 29. Train Accidents — By Cause, for Year ended December 31

Causes	1949	1950	1951	1952	1953
Number of persons killed					
Passengers					
Coupling and uncoupling	—	—	—	—	—
Collisions — between:					
Railway Rolling Stock	1	16	—	—	—
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	—	—	—	—	—
At other points	—	—	—	—	—
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	—	—	—	—	—
At other points	—	—	—	—	—
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	—	—	—	—	—
At other points	—	1	1	—	—
Derailments	—	—	—	—	1
Locomotives or cars breaking down	—	—	—	—	—
Getting on or off trains	—	1	—	—	—
Falling from trains, locomotives or cars	—	—	1	1	1
Striking overhead or other obstructions	—	—	2	1	1
Other causes	—	—	—	—	—
Total	1	18	4	2	3
Employees					
Coupling and uncoupling	3	2	7	2	1
Collisions — between:					
Railway Rolling Stock	6	20	17	27	8
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	4	1	2	—	—
At other points	—	—	—	—	—
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	2	—	1	1	1
At other points	—	—	1	—	—
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	—	1	—	—	—
At other points	18	13	20	12	6
Derailments	7	5	7	5	6
Locomotives or cars breaking down	—	1	1	—	—
Getting on or off trains	2	1	3	1	—
Falling from trains, locomotives or cars	4	5	4	3	2
Striking overhead or other obstructions	1	1	—	1	—
Other causes	5	4	6	9	6
Total	52	54	69	61	30
Number of persons injured					
Passengers					
Coupling and uncoupling	—	—	—	—	1
Collisions — between:					
Railway Rolling Stock	68	133	21	45	17
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	3	1	15	1	3
At other points	—	—	—	—	—
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	—	—	—	—	—
At other points	—	—	—	—	—
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	—	—	—	—	—
At other points	—	—	1	—	—
Derailments	16	2	13	3	65
Locomotives or cars breaking down	—	—	—	—	—
Getting on or off trains	89	40	34	21	21
Falling from trains, locomotives or cars	6	5	23	4	3
Striking overhead or other obstructions	—	—	—	—	—
Other causes	86	81	84	51	23
Total	268	262	191	125	133

TABLE 29. Train Accidents — By Cause, for Year ended December 31 — Concluded

Causes	1949	1950	1951	1952	1953
Number of persons injured					
Employees					
Coupling and uncoupling	118	103	103	106	77
Collisions — between:					
Railway Rolling Stock	88	98	105	115	67
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	18	3	12	6	2
At other points		—	—	—	3
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	30	21	13	26	18
At other points		7	—	2	2
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	—	1	2	—	—
At other points	53	50	50	36	32
Derailments	31	33	41	35	44
Locomotives or cars breaking down	2	3	4	1	—
Getting on or off trains	530	467	508	512	436
Falling from trains, locomotives or cars	118	95	134	172	114
Striking overhead or other obstructions	29	28	32	25	36
Other causes	1,401	1,335	1,337	1,394	1,186
Total	2,418	2,244	2,341	2,430	2,017

TABLE 30. Train Accidents — By Class of Victim, for Year ended December 31

Class of person	1949	1950	1951	1952	1953
Number of persons killed					
Employees:					
Trainmen	28	31	35	35	13
Switch tenders, watchmen, etc.	9	6	2	1	—
Stationmen	—	—	2	1	—
Shopmen	3	—	5	3	2
Trackmen	10	15	22	18	14
Telegraph employees	1	1	1	2	1
Other employees	1	1	2	1	—
Total employees	52	54	69	61	30
Passengers	1	18	4	2	3
Postal — express — pullman employees	2	—	3	4	6
Trespassers	85	81	77	100	77
Other persons	162	146	209	208	174
Grand total	302	299	362	375	290
Suicides	3	9	15	2	11
Number of persons injured ¹					
Employees:					
Trainmen	1,945	1,759	1,894	1,963	1,565
Switch tenders, watchmen, etc.	158	133	167	154	158
Stationmen	6	15	13	15	17
Shopmen	38	42	66	50	40
Trackmen	118	175	111	135	123
Telegraph employees	16	7	4	9	14
Other employees	137	113	86	104	100
Total employees	2,418	2,244	2,341	2,430	2,017
Passengers	268	262	191	125	133
Postal — express — pullman employees	16	26	19	38	62
Trespassers	101	82	83	82	90
Other persons	522	484	493	481	479
Grand total	3,325	3,098	3,127	3,156	2,781
Attempted suicides	1	2	1	3	—

1. See page 20 for time lost through injuries.

TABLE 31. Non-Train Accidents — By Cause, for Year ended December 31

Causes	1949	1950	1951	1952	1953
Number of persons killed					
Handling traffic.....	1	—	4	—	—
Handling machinery, tools, etc.	4	1	—	2	1
Getting on or off locomotives and cars at rest.....	—	2	—	1	—
Other causes	22	15	24	15	14
Total	27	18	28	18	15
Number of persons injured ¹					
Handling traffic.....	2,087	1,775	1,641	1,500	1,263
Handling machinery, tools, etc.	1,299	1,202	1,024	790	760
Getting on or off locomotives and cars at rest.....	184	166	155	155	95
Other causes	3,039	2,908	2,648	2,308	1,926
Total	6,609	6,051	5,468	4,753	4,044

1. See page 20 for time lost through injuries.

TABLE 32. Non-Train Accidents — By Class of Victim, for Year ended December 31

Class of person	1949	1950	1951	1952	1953
Number of persons killed					
Employees:					
Stationmen	3	1	1	—	—
Shopmen	4	6	4	2	2
Trackmen	11	2	7	9	3
Other employees	1	4	3	2	—
Total employees	19	13	15	13	5
Passengers	—	—	1	—	1
Postal — express — pullman employees	1	2	2	—	—
Other persons	7	3	10	5	9
Grand total	27	18	28	18	15
Suicides	2	3	—	1	—
Number of persons injured ¹					
Employees:					
Stationmen	772	756	773	663	564
Shopmen	2,440	2,218	1,885	1,682	1,428
Trackmen	2,434	2,266	1,993	1,674	1,382
Other employees	730	624	659	570	526
Total employees	6,376	5,864	5,310	4,589	3,900
Passengers	48	35	30	58	48
Postal — express — pullman employees	50	93	91	42	63
Other persons	135	59	37	64	33
Grand total	6,609	6,051	5,468	4,753	4,044
Attempted suicides.....	1	—	2	—	1

1. See page 20 for time lost through injuries.

TABLE 33. Accidents at Highway Crossings for Year ended December 31

	Employees and passengers		Pedestrians		Riding in				Total	
					Motor vehicles		Other vehicles			
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Number of persons killed										
Protected by gates:										
1949	—	—	—	—	—	—	—	—	—	—
1950	—	—	—	1	3	—	—	—	3	1
1951	—	—	—	—	—	1	—	—	—	1
1952	—	—	1	—	1	—	—	—	2	—
1953	—	—	—	—	—	—	—	—	—	—
Protected by automatic signals:										
1949	—	—	2	1	13	6	1	1	16	8
1950	—	—	5	—	13	7	1	—	19	7
1951	—	—	2	2	14	19	—	—	16	21
1952	—	—	4	1	18	25	—	—	22	26
1953	—	—	2	1	14	8	—	—	16	9
Protected by watchmen:										
1949	—	—	—	—	1	—	—	—	1	—
1950	—	—	—	—	—	—	—	—	—	—
1951	—	—	—	—	1	—	—	—	1	—
1952	—	—	—	—	1	—	1	—	2	—
1953	—	—	—	—	—	—	—	—	—	—
Total at protected crossings:										
1949	—	—	2	1	14	6	1	1	17	8
1950	—	—	5	1	16	7	1	—	22	8
1951	—	—	2	2	15	20	—	—	17	22
1952	—	—	5	1	20	25	1	—	26	26
1953	—	—	2	1	14	8	—	—	16	9
Unprotected:										
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
1952	1	—	4	2	28	96	—	2	33	100
1953	—	—	1	2	34	93	—	2	35	97
Grand total:										
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
1952	1	—	9	3	48	121	1	2	59	126
1953	—	—	3	3	48	101	—	2	51	106

TABLE 33. Accidents at Highway Crossings for Year ended December 31 — Concluded

	Employees and passengers		Pedestrians		Riding in				Total	
					Motor vehicles		Other vehicles			
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Number of persons injured										
Protected by gates:										
1949	—	—	4	—	—	1	—	—	4	1
1950	—	—	2	—	5	2	—	—	7	2
1951	—	—	1	—	6	1	—	—	7	1
1952	—	—	2	—	1	—	—	—	3	—
1953	—	—	2	—	6	—	—	—	8	—
Protected by automatic signals:										
1949	—	—	—	1	42	31	1	1	43	33
1950	—	—	1	—	49	24	7	2	57	26
1951	—	—	2	—	28	27	1	—	31	27
1952	2	4	2	1	32	29	2	1	38	35
1953	1	—	2	—	27	25	—	—	30	25
Protected by watchmen:										
1949	—	—	—	—	8	2	—	—	8	2
1950	1	—	—	—	9	—	—	—	10	—
1951	2	—	—	—	17	—	—	3	19	3
1952	1	—	—	—	14	7	—	—	15	7
1953	—	—	—	—	17	—	1	—	18	—
Total at protected crossings:										
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
1952	3	4	4	1	47	36	2	1	56	42
1953	1	—	4	—	50	25	1	—	56	25
Unprotected:										
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
1952	2	24	2	1	109	226	2	3	115	254
1953	4	5	4	—	107	234	—	15	115	254
Grand total:										
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
1952	5	28	6	2	156	262	4	4	171	296
1953	5	5	8	—	157	259	1	15	171	279

TABLE 34. Number of Highway Crossings at 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	1	—	—
1951	—	—	—	1	—	1	1	1	—	—
1952	—	—	—	1	—	1	1	1	—	—
1953	—	—	—	1	—	1	1	1	—	—
Prince Edward Island:										
1949	—	1	1	—	—	5	5	8	1	—
1950	—	1	1	—	—	5	5	8	1	—
1951	—	1	1	—	—	5	5	8	1	—
1952	—	1	1	—	—	5	5	8	1	—
1953	—	—	1	—	—	5	5	9	1	—
Nova Scotia:										
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
1952	7	—	23	13	14	24	43	84	6	1
1953	7	—	23	13	14	24	44	87	6	1
New Brunswick:										
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	—	—
1952	3	1	9	27	13	34	36	73	—	—
1953	8	—	9	27	13	35	33	77	—	—
Quebec:										
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
1952	48	2	29	45	136	82	111	155	5	1
1953	53	2	28	44	144	89	121	157	5	1
Ontario:										
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
1952	107	7	143	218	274	218	344	445	27	2
1953	106	8	147	209	277	199	358	473	23	2
Manitoba:										
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	—
1952	6	1	4	5	32	13	20	7	6	—
1953	9	2	4	5	31	13	20	6	5	—
Saskatchewan:										
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	—
1952	—	2	6	18	21	43	16	6	1	—
1953	—	2	6	19	21	42	18	5	1	—
Alberta:										
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	—
1952	6	2	10	20	25	53	18	17	—	—
1953	5	2	11	21	26	52	21	21	—	—
British Columbia:										
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	1
1952	5	6	29	46	7	50	18	20	2	1
1953	6	6	30	48	8	48	19	23	2	—
Total:										
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
1952	184	22	254	393	522	523	612	816	48	4
1953	194	22	259	387	534	508	640	859	43	4
United States:										
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	—
1952	1	1	1	8	8	11	8	18	7	—
1953	2	1	1	8	8	11	8	19	6	—
Total, Canada and U.S.:										
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
1952	185	23	255	401	530	534	620	834	55	4
1953	196	23	260	395	542	519	648	878	49	4

TABLE 34. Number of Highway Crossings at December 31

Total protected			Unprotected			Grand total			
Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	
—	3	3	24	189	213	24	192	216	Newfoundland:
1	3	4	23	193	216	24	196	220	1949
1	3	4	23	196	219	24	199	223	1950
1	3	4	24	195	219	25	198	223	1951
1	3	4	29	224	253	30	227	257	1952
									1953
7	14	21	35	215	250	42	229	271	Prince Edward Island:
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
7	14	21	35	215	250	42	229	271	1952
7	14	21	35	214	249	42	228	270	1953
									Nova Scotia:
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
93	122	215	179	659	838	272	781	1,053	1952
94	125	219	190	664	854	284	789	1,073	1953
									New Brunswick:
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
61	135	196	128	744	872	189	879	1,068	1952
63	139	202	128	740	868	191	879	1,070	1953
									Quebec:
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
329	285	614	416	2,119	2,535	745	2,404	3,149	1952
351	293	644	429	2,083	2,912	780	2,376	3,156	1953
									Ontario:
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
895	890	1,785	1,597	5,213	6,810	2,492	6,103	8,595	1952
911	891	1,802	1,637	5,144	6,781	2,548	6,035	8,583	1953
									Manitoba:
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
70	26	96	511	3,742	4,253	581	3,768	4,349	1952
69	26	95	517	3,768	4,285	586	3,794	4,380	1953
									Saskatchewan:
42	89	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
44	69	113	455	7,593	8,048	499	7,662	8,161	1952
46	68	114	430	7,589	8,019	476	7,657	8,133	1953
									Alberta:
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
59	92	151	350	3,999	4,349	409	4,091	4,500	1952
63	96	159	375	3,982	4,357	438	4,078	4,516	1953
									British Columbia:
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
61	122	183	291	928	1,219	352	1,050	1,402	1952
65	125	190	316	916	1,232	381	1,041	1,422	1953
									Total:
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
1,620	1,758	3,378	3,986	25,407	29,393	5,606	27,165	32,771	1952
1,670	1,780	3,450	4,066	25,324	29,410	5,756	27,104	32,860	1953
									United States:
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
25	38	63	23	97	120	48	135	183	1952
25	39	64	23	96	119	48	135	183	1953
									Total, Canada and U.S.:
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
1,645	1,796	3,441	4,009	25,504	29,513	5,654	27,300	32,954	1952
1,695	1,819	3,514	4,109	25,420	29,529	5,804	27,239	33,043	1953

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