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RAILWAY TRANSPORT

1954

PART 1

(Comparative Summary Statistics 1950 to 1954)

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

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation and Public Utilities Section

8504-523-124

Price 25 cents

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1956.

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, 1950 to 1954
 - Part II — Financial and Employment Statistics, 1954
 - Part III — Equipment, Way and Track, and Fuel Consumption Statistics, 1954
 - Part IV — Operating and Traffic Statistics, 1954
 - Part V — Freight Carried by Principal Commodity Classes, 1954
2. Carloadings (Four times a month).*
3. Railway Freight Traffic (Monthly).
4. Railway Operating Statistics (Monthly and Annual Summary).
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).

* Once a month the carloading report contains tables giving "Indexes and cars of Revenue Freight Loadings". This information was issued in a separate monthly report until February, 1951.

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Note: Traffic statistics have been presented according to two commodity classifications. In table 14A they are presented on the basis of the "Canadian Freight Commodity Statistics Classification" which became effective January 1, 1954. In table 14B the data is shown according to the classification in use prior to January 1, 1954.



RAILWAY TRANSPORT

1954

PART I

(Comparative Summary Statistics 1950 to 1954)

This is the fifth and last of five parts released under the title "Railway Transport, 1954". Page 2 lists the names of the parts forming the complete 1954 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, 1954, together with comparable data for the preceding four years. Additional information not contained in the other sections is also presented. Data on Newfoundland statistics is included throughout the report.

Track Mileage

Single track, or first main track, mileage at December 31, 1954 amounted to 43,132.00 miles, a decrease of 30.80 miles from 43,162.80 at December 31, 1953. The major decline occurred in Saskatchewan, down 12.00 to 8,721.10; Alberta, down 9.20 to 5,651.20; and, Ontario, down 7.40 to 10,378.20 miles. Second main track remained unchanged at 2,485 miles while industrial tracks increased 3 miles to 2,181 and yard tracks and sidings by 93 miles to 10,962. As a result the mileage of all tracks in Canada totalled 58,760 at December 31, 1954, up 65 miles from 58,695 one year earlier. All changes in single track mileage during the last five years have been confined 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 remain unchanged in length.

Investments, Capital, etc.

Government aid given to railways to December 31, 1954 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 1954 amounted to 47,640,167 acres of which about two-thirds was granted by the Federal Government. Investment in road and equipment amounted to \$4,550,195,674 at December 31, 1954, an addition of \$221,626,286 during 1954. Of the latter sum, \$215,164,133 was spent during the year for additions and betterment while capital outlay during 1954 amounted to \$6,279,550 for new lines.

Railway capital at the end of 1954 amounted to \$3,975,594,115, an increase of \$113,837,857 during the year. Stocks accounted for 55.5 per cent of all railway capital. Of the \$910,713,955 Government guaranteed bonds \$910,248,955 were Canadian National Railways issues. Reserves rising concurrently with the development of railways were up

from \$829,493,134 at the end of 1953 to \$870,198,611 at December 31, 1954, an addition of \$40,705,477. Some 85.7 per cent or \$745,713,464 of the total represents reserves for depreciation on road and rolling stock.

Operations

Gross earnings amounted to \$1,095,440,918 for the year 1954, down from \$1,205,935,414 in 1953 and operating expenses declined to \$1,019,534,989 from \$1,100,393,836 leaving a lower net of \$75,905,929 as compared with \$105,541,578 for 1953 and \$114,972,361 for 1952. Tax accruals dropped to \$36,833,996 in 1954 from \$38,254,851 as did income from other sources, which fell to \$31,559,494 from \$35,885,882. With regard to other deductions, the most substantial improvement occurred in hire of freight cars which decreased to \$2,805,607 from \$8,675,450. There was an overall surplus of \$97,433,051 for 1954 as against \$11,696,210 one year earlier. The 1954 surplus, however, includes a credit of \$117,284,859, the amount being interest charges written off by the Pacific Great Eastern Railway Company, the exclusion of which converts the net for railways in 1954 to a deficit of \$19,851,808. Rail line revenues accounted for \$1,039,445,979 of the \$1,095,440,918 gross earnings for 1954. Freight revenue was \$872,438,270 compared with \$971,758,543 for 1953. Water line receipts (mainly freight) dropped to \$4,059,593 from \$4,884,241 and incidental revenues decreased slightly to \$51,733,999 from \$52,225,581. Of the \$1,019,534,989 in operating expenses during 1954, \$474,946,205 was spent on transportation rail line compared with \$513,690,185 in 1953. Maintenance of equipment and maintenance of way and structures expenditures amounted to \$227,234,735 and \$206,712,991 respectively for 1954.

As a result of the smaller volume of freight and fewer passengers carried than in 1953, rolling stock moved at considerably reduced mileage during 1954. Locomotive miles in transportation service fell to 160,343,529 miles in 1954 from 177,638,408 in 1953; train miles dropped to 121,079,337 from 131,975,175; freight car miles fell to 3,094,036,321 from 3,454,052,167; and, passenger car miles dropped to 416,929,020 from 430,645,050. Locomotive miles per mile of road declined to 3,793 from 4,208; train miles per mile of road dropped to 2,872 from 3,135; tons originated per mile of road fell to 3,321 from 3,630; and, passengers carried per mile of road dropped to 658 from 668. Average freight revenue per mile of road decreased to \$20,458 from \$22,833 due to a drop in freight receipts to \$872,438,270 from \$971,758,543. Average passenger train revenue per mile of road fell to \$3,646.01 from \$3,854.14. The

operating ratio for the industry (percentage of operating expenses over operating revenues) increased to 93.07 per cent from 91.25.

Freight carried, excluding interchange tonnage between Canadian railways, amounted to 143,194,840 tons during 1954 as compared with 156,249,259 in 1953 and 162,175,381 in 1952.

Equipment

Freight cars in service increased steadily during the last five years; at December 31, 1954 there were 189,351 units in service as compared with 187,980 in 1953 and 175,597 in 1950. Freight cars again increased in average capacity at 48.092 tons each on December 31, 1954 as compared with 47.526 in 1953 and 45.562 in 1950. Most types of cars in service were more numerous at the end of 1954 than one year earlier, especially in the coal car group, i.e. ballast cars up 305 to 2,245 gondola cars, up 866 to 18,469, hopper cars up 531 to 12,129 and ore cars up 586 to 2,555; box cars, however, were reduced by 983 units to 118,770.

Passenger cars in service at December 31, 1954 totalled 6,648, up from 6,456 in 1953. Greatest increase was in sleeping cars up to 956 units from 801. Cars in company service were also greater in number at the end of 1954 with 19,023 as against 18,725 in 1953.

Of interest is the continuing dieselization of the railways. Steam locomotives numbered 3,586 units at the end of 1954, versus 3,829 one year earlier, whereas diesel electric units rose to 1,152 from 956. Total locomotives in service dropped to 4,771 units from 4,818 due to the economies achieved through the use of diesel equipment.

Fuel, Rails, Ties

Fuel consumption for locomotive purposes in tables 18 and 19 is shown in tons equivalent of coal. The conversion factors applied to diesel and fuel oil are presently under review and data in tables 18 and 19 while comparable over the five year period should be used with caution. A smaller tonnage of fuel was consumed during 1954, with a total of 10,284,945 tons versus 11,689,481 for 1953. The costs were \$85,849,065 and \$99,544,216 for the two years respectively. Fuel consumed per 100 locomotive miles dropped to 7.29 tons in 1954 from 7.52 in 1953 for freight locomotives but rose to 5.94 tons from 5.67 for passenger locomotives. A total of 399,962 tons of rail were laid in previously constructed track during 1954 versus 444,489 during 1953 and 42,988 tons were laid in new track and extensions as against 31,426 in 1953. Cross-ties placed in previously constructed track numbered 6,376,354 units of which 5,778,193 were treated.

Cross-ties placed in new track and extensions numbered 384,039 units of which 345,285 were treated. During 1954, 1,525,148 hardwood cross-ties were purchased by the railways, down substantially from 2,144,237 in 1953 and purchases of softwood cross-ties dropped to 5,038,043 from 7,840,568.

Accidents

Accidents resulting from the movements of trains shown in Table 28 numbered 2,287 during 1954, a substantial improvement from 2,669 for 1953. As indicated in Table 30 a total of 281 persons were killed during 1954, compared with 290 for 1953. Persons injured totalled 2,359 during 1954 as against 2,781 one year earlier, the decrease accounted for mainly by 304 fewer trainmen injured. Table 29 which records causes of accidents involving passengers and employees shows a total of 4 passengers killed during 1954 as against 3 one year earlier; and, 37 employees killed versus 30 in 1953. There were 215 passengers injured during 1954 as compared with 133 for 1953 with injuries resulting from collisions between railway rolling stock increasing by 79 to 96. Employee injuries dropped considerably to 1,646 from 2,017 in 1953 with greatest improvement in the "getting on or off trains" and "other causes" type of injuries.

Fatalities resulting from non-train accidents totalled 16 during 1954 as compared with 15 in 1953. Injuries improved tremendously, dropping to 3,132 in 1954 from 4,044 with the reduction accounted for mainly by fewer injuries to shopmen, down 326 to 1,102 and to trackmen, down 402 to 980.

Accidents at highway crossings brought death to 152 persons of which 42 were killed in urban areas, and 110 in rural areas. Persons riding in motor vehicles accounted for almost all of the fatalities, 34 were killed in urban areas and 106 in rural areas. A total of 413 persons were injured at highway crossings of which 201 were injured at urban crossings and 212 at rural crossings. Persons riding in motor vehicles accounted for 192 injuries at urban crossings and 179 at rural crossings.

Highway Crossings

The number of highway crossings amounted to 33,216 at December 31, 1954, an increase of 173 crossings during the year. The number increased in most provinces especially in British Columbia, where crossings were up 104 to 1,526. Protected crossings increased by 85 during 1954 to total 3,599 of which 47 were added in urban areas and 38 in rural areas. About 44 per cent of all protected crossings at the end of 1954 were safeguarded by automatic signals, 683 urban and 910 rural. Unprotected crossings rose by 88 to 29,617 at December 31, 1954. There were 63 more in urban areas and 25 more in rural areas.

TABLE 1. Mileage Operated in Provinces on December 31

	1950	1951	1952	1953	1954
Single (First Main) track mileage:					
Newfoundland	705	705	705	705	705
Prince Edward Island	286	285	285	285	285
Nova Scotia	1,397	1,396	1,396	1,396	1,392
New Brunswick	1,835	1,835	1,834	1,834	1,834
Quebec	4,795	4,789	4,830	4,829	4,831
Ontario	10,458	10,440	10,384	10,386	10,378
Manitoba	4,834	4,834	4,834	4,979	4,979
Saskatchewan	8,739	8,739	8,739	8,733	8,721
Alberta	5,643	5,647	5,660	5,650	5,651
British Columbia	3,890	3,889	3,889	3,959	3,959
Yukon	58	58	58	58	58
In United States	339	339	339	339	339
Total single track	42,979	42,956	42,953	43,163	43,132
Second track	2,498	2,487	2,488	2,485	2,485
Industrial track	1,979	2,068	2,130	2,178	2,181
Yard track and sidings	10,541	10,639	10,720	10,869	10,962
Total all tracks	57,997	58,150	58,291	58,695	58,760
Gauge of single (First Main) track:					
4 ft. 8½ inches	42,184	42,161	42,158	42,368	42,337
3 ft. 6 inches	705	705	705	705	705
3 ft.	90	90	90	90	90
Single track owned but not operated	145	145	49	51	51

TABLE 2. Railway Mileage in Canada — Single Track Miles by Provinces, on December 31

	1950	1951	1952	1953	1954
Newfoundland					
Increase over previous year	705.10	705.10	705.10	705.10	705.40
D	—	—	—	—	0.30
Prince Edward Island	286.20	284.70	284.70	284.80	284.80
Increase over previous year	—	D 1.50	—	0.10	—
Nova Scotia	1,396.60	1,396.20	1,396.20	1,395.80	1,392.30
Increase over previous year	0.30	D 0.40	—	D 0.40	3.50
New Brunswick	1,834.60	1,834.60	1,834.40	1,834.40	1,834.40
Increase over previous year	D 0.10	—	D 0.20	—	—
Quebec	4,794.80	4,789.20	4,829.70	4,829.50	4,830.60
Increase over previous year	3.60	D 5.60	40.50	D 0.20	1.10
Ontario	10,458.10	10,439.80	10,383.70	10,385.60	10,378.20
Increase over previous year	D 4.30	D 18.30	D 56.10	D 1.90	D 7.40
Manitoba	4,834.00	4,834.00	4,834.10	4,978.50	4,978.50
Increase over previous year	D 1.70	—	D 0.10	144.40	—
Saskatchewan	8,738.80	8,738.80	8,738.60	8,733.10	8,721.10
Increase over previous year	—	—	D 0.20	D 5.50	12.00
Alberta	5,643.20	5,646.80	5,660.40	5,660.40	5,651.20
Increase over previous year	—	3.60	13.60	—	9.20
British Columbia	3,890.10	3,889.40	3,889.50	3,958.70	3,958.60
Increase over previous year	1.90	D 0.70	D 0.10	69.20	D 0.10
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	D 42,978.40	D 42,955.50	D 42,953.30	D 43,162.80	D 43,132.00
Increase over previous year	D 0.30	D 22.90	D 2.20	D 209.50	D 30.80

D — Decrease.

r. Revised.

TABLE 3. Aid to Railways - Cumulative Total to December 31¹

	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
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, Cumulative Total at December 31, 1954

Granted by	Bonus grants	Grants for Right of Way, Station Grounds, and Townsite purposes	Total
	acres	acres	acres
Government of Canada	31,783,354.88	97,987.80	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, 1954

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, Year ended December 31

	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
New lines:					
Road	6,285,165	5,301,717	11,431,609	8,352,231	6,187,944
Equipment	—	1,552,117	19,210	35,287	45,952
General	50,634	53,901	52,510	Cr. 189,856	45,654
Total	6,335,799	7,907,735	11,503,329	8,197,662	6,279,550
Additions and betterments:					
Road	25,523,673	42,260,214	42,243,299	40,657,130	32,502,009
Equipment	52,666,164	107,478,591	128,695,815	156,012,197	192,303,720
General	54,058	Cr. 70,318	70,585	102,847	Cr. 9,621,920
Undistributed	3,399	Cr. 2,381	Cr. 2,539	Cr. 134,414	Cr. 19,676
Total	78,247,294	149,666,106	171,008,160	196,647,760	215,164,133
Undistributed (see detail below)	Cr. 2,645,822	Cr. 1,318,920	Cr. 37,797	290,407	182,603
Total investments as at Dec. 31	3,784,704,946	3,940,959,367	4,123,433,559	4,328,569,388	4,550,195,674
Undistributed — Details:					
Canadian National:					
Separately operated properties	Cr. 74,520	Cr. 479,619	165,473	1,980,336	48,803
Non-cash items	1,946,933	Cr. 1	Cr. 195,270	Cr. 44,529	136,800
Canadian Pacific — Leased lines	—	Cr. 839,300	Cr. 8,000	Cr. 1,645,400	Cr. 3,000
St. Lawrence and Adirondack — Adjustments	Cr. 657,683	—	—	—	—
Temiscouata — acquired by C.N.R.	Cr. 3,860,552	—	—	—	—

TABLE 7. Railway Capital on December 31

	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
Stocks	1,341,405,562	1,341,029,778	2,101,133,086	2,122,243,835	2,206,969,715
Debenture stock	308,056,526	305,175,994	305,175,994	300,449,021	292,809,133
Funded debt	1,826,346,222	1,925,488,160	1,308,899,612	1,439,063,402	1,475,815,267
Total	3,475,808,310	3,571,693,932	3,715,208,672	3,861,756,258	3,975,594,115

TABLE 8. Railway Bonds Guaranteed, Year ended December 31, 1954

Name of railway	Guaranteed by		Total amount outstanding
	Government of Canada	New Brunswick	
Canadian National	\$ 866,000,000	—	\$ 866,000,000
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	910,248,955	—	910,248,955
Fredericton and Grand Lake	—	465,000	465,000
Grand Total	910,248,955	465,000	910,713,955¹

1. Does not include \$173,930 perpetual debenture stock and guaranteed stock of the Grand Trunk Railway, now part of the Canadian National system on which interest and dividends are guaranteed by the Federal Government.

TABLE 9. Reserves of Railways at December 31¹

	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
Depreciation:					
Road and rolling stock	594,956,194	633,670,650	671,703,751	709,568,773	745,713,464
Other properties	84,434,327	87,136,585	86,356,939	86,384,444	90,014,272
Operating and deferred maintenance	8,229,872	5,499,075	281,995	307,478	291,992
Insurance and casualty	26,495,369	27,303,944	26,611,448	27,894,882	28,763,573
Investment	4,068,165	2,940,483	1,645,781	1,181,330	1,260,221
Other	7,226,715	7,217,934	4,166,652	4,156,227	4,155,089
Total reserves	725,410,642	763,768,671	790,766,566	829,493,134	870,198,611

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

TABLE 10. Income Account, Year ended December 31

	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
Gross earnings from operation					
Gross earnings from operation	950,985,751	1,088,583,789	1,172,158,665	1,205,935,414	1,095,440,918
Operating expenses	833,726,562	977,577,062	1,057,186,304	1,100,393,836	1,019,534,989
Net operating revenue	125,259,189	111,006,727	114,972,361	105,541,578	75,905,929
Tax accruals	32,276,513	36,384,511	40,263,395	38,254,851	36,833,996
Railway operating income	92,982,676	74,622,216	74,708,966	67,286,727	39,071,933
Other Income:					
From outside operations — Net	5,697,943	10,579,118	7,245,053	4,103,583	3,362,906
From other sources	41,867,820	41,075,994	35,683,656	35,885,882	31,559,494
Gross income	140,548,439	128,277,328	117,637,675	107,276,192	73,994,333
Deductions:					
Hire of freight cars Dr. balance	9,299,137	10,819,128	12,912,973	8,675,450	2,805,607
Lease of other roads	4,628,115	4,494,322	4,341,619	4,304,585	4,283,824
Other rents	4,912,199	5,272,590	5,521,290	5,992,850	6,281,502
Other properties loss	—	—	—	—	—
Interest on funded and unfunded debt	65,859,459	67,015,766	44,733,512	50,967,749	49,147,227
Other deductions	7,491,657	7,821,607	7,556,644	3,836,895	3,237,570
Total	92,190,567	95,423,413	75,066,038	73,777,529	65,755,730
Net Income	48,357,872	30,853,915	42,571,637	33,498,663	8,238,603
Disposal of net income:					
Dividends — Common	32,354,990	22,112,062	23,212,308	22,752,828	22,854,778
Preferred	3,436,648	3,376,010	3,292,709	3,422,603	3,139,101
Sinking funds and reserves	484,695	451,039	582,350	590,245	595,805
Investment in railways and miscellaneous	942,745	3,896,927	1,075,799	717,541	4,643,020
Total debits	37,219,078	29,836,038	28,163,166	27,483,217	31,232,704
Total credits	3,937,107	13,304,030	2,608,310	5,680,764	120,427,152
Balance to General Balance Sheet	Cr. 15,075,901	Cr. 14,321,907	Cr. 17,016,781	Cr. 11,696,210	Cr. 97,433,051

TABLE 11. Gross Earnings, Year ended December 31

	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
Rail line:					
Freight.....	769,119,967	975,962,306	941,947,985	971,758,543	872,438,270
Passenger.....	78,553,778	89,005,763	90,712,586	85,975,687	82,106,355
Excess baggage.....	346,063	358,912	354,712	341,306	330,247
Sleeping cars.....	8,330,013	9,321,109	10,828,710	10,494,407	10,113,918
Parlour and chair cars.....	756,115	787,951	849,339	933,105	862,217
Mail.....	11,655,661	12,472,370	13,445,596	15,322,839	14,928,153
Express.....	36,048,678	42,037,100	49,659,174	51,785,959	47,882,419
Other passenger train.....	86,002	85,196	91,654	85,236	55,003
Milk.....	557,453	578,340	571,827	569,524	529,482
Switching.....	6,613,116	8,107,649	9,748,591	9,478,787	8,451,222
Other freight train.....	8,679	—	—	—	—
Water transfer—freight.....	1,231,001	1,410,404	1,586,159	1,483,057	1,326,134
" " —passenger.....	380,924	458,612	518,419	430,107	422,560
Total	916,717,450	1,040,586,312	1,120,313,752	1,148,598,557	1,039,445,979
Water line:					
Freight.....	3,000,027	3,644,487	3,925,550	4,412,659	3,600,226
Passenger.....	306,665	377,283	424,817	418,682	408,725
Excess baggage.....	—	51	102	42	80
Mail.....	7,455	2,638	2,581	3,781	2,988
Express.....	1,956	3,530	2,475	1,671	684
Other.....	38,015	39,985	46,458	47,406	46,890
Total	3,334,119	4,067,874	4,401,983	4,884,241	4,059,593
Incidental:					
Dining and buffet.....	5,549,681	6,550,303	7,028,691	7,142,572	7,457,524
Hotel and restaurant.....	1,699,195	1,911,433	1,872,779	1,811,835	1,851,557
Station, train, etc., privileges.....	3,104,653	3,467,850	3,642,956	3,638,959	3,633,294
Parcel room.....	173,628	192,944	199,544	186,549	167,883
Storage—freight.....	325,786	730,893	649,199	711,972	567,555
" " baggage.....	93,635	118,767	130,662	114,291	101,600
Demurrage.....	1,848,226	3,860,716	4,158,976	3,910,483	3,011,584
Telegraph and telephone.....	11,692,990	13,309,116	15,340,436	17,564,438	18,735,208
Grain elevators.....	1,241,925	1,432,173	1,983,173	2,217,728	1,801,257
Stockyards.....	—	—	—	—	—
Rents of buildings, etc.....	1,924,230	1,925,379	2,206,136	3,098,182	2,702,344
Miscellaneous.....	10,135,451	10,185,516	9,930,059	11,799,244	11,668,893
Power.....	43,288	35,466	27,694	29,348	35,300
Total	37,823,731	43,720,556	47,170,205	52,225,581	51,733,999
Joint facilities, Cr. balance.....	1,090,451	209,047	272,725	227,035	201,347
Gross earnings	958,985,751	1,088,583,789	1,172,158,665	1,205,935,414	1,095,440,918
Operating expenses:					
Maintenance of way and structures.....	163,998,704	202,490,988	215,411,186	227,049,996	206,712,991
Maintenance of equipment.....	189,507,197	224,184,671	243,341,926	254,035,999	227,234,735
Traffic.....	18,591,724	19,958,080	21,297,453	22,839,459	22,846,030
Transportation—Rail line.....	402,263,256	466,877,046	501,873,165	513,690,185	474,946,205
Transportation—Water line.....	1,730,951	1,976,191	2,161,503	2,396,527	2,172,460
Miscellaneous operations.....	14,308,788	15,605,498	16,010,424	16,420,059	16,157,387
General expenses.....	43,325,942	46,684,589	57,090,647	63,961,611	69,455,181
Total	833,726,562	977,577,062	1,057,186,304	1,100,383,836	1,019,534,989

TABLE 12. Operating Statistics, Year ended December 31

	1950	1951	1952	1953	1954
Average single track mileage					
	42,982	42,945	42,980	43,039	43,124
Locomotive miles:					
Steam:					
Freight.....	85,090,069	85,913,629	82,046,387	69,920,253	53,531,789
Passenger.....	42,413,540	45,076,508	45,432,211	43,026,173	37,653,228
Train switching.....	7,144,495	7,339,665	7,095,846	6,108,367	5,084,857
Yard switching.....	19,319,102	19,754,249	17,885,956	15,516,336	11,459,871
Total transportation service	153,967,206	158,084,051	152,460,400	134,571,129	107,739,745
Work train service.....	3,659,562 ¹	4,180,027 ¹	3,408,739 ¹	2,875,529 ¹	2,571,020
Diesel:					
Freight.....	3,722,852 ²	9,798,115 ²	15,478,017 ²	22,380,619 ²	27,013,591
Passenger.....	1,749,884 ²	1,961,478 ²	3,163,016 ²	5,007,725 ²	7,768,354
Train switching.....	441,109 ²	586,192 ²	773,739 ²	1,054,995 ²	1,459,095
Yard switching.....	9,125,381 ²	10,990,485 ²	13,584,320 ²	14,623,940 ²	15,605,322
Total transportation service	15,039,226²	23,336,270²	32,999,092²	43,067,279²	51,846,362
Work train service.....	102,566 ^{1,2}	165,779 ^{1,2}	463,642 ^{1,2}	593,773 ^{1,2}	643,015

RAILWAY TRANSPORT

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

	1950	1951	1952	1953	1954
Locomotive miles - concluded					
Other:					
Freight	5	5	5	5	40,890
Passenger	5	5	5	5	302,357
Train switching	5	5	5	5	9,995
Yard switching	5	5	5	5	404,180
Total transportation service	5	5	5	5	757,422
Work train service	5	5	5	5	1,545
Total:					
Freight	88,812,921	95,711,744	97,524,404	92,300,372	80,586,270
Passenger	44,163,424	47,037,956	48,595,227	48,033,898	45,723,939
Train switching	7,585,604	7,925,857	7,869,585	7,163,362	6,553,947
Yard switching	29,444,483	30,744,734	31,470,276	30,140,276	27,479,373
Grand total transportation service	169,006,432	181,420,321	185,459,492	177,638,408	160,343,529
Grand total work train service	3,762,128 ¹	4,365,806 ¹	3,872,381 ¹	3,469,302 ¹	3,215,680
Train miles:					
Freight - drawn by locomotive	91,397,148	97,181,640	89,217,123	84,997,904	75,334,348
Passenger - drawn by locomotive	42,454,046	44,976,228	46,500,973	45,817,723	44,239,876
" - drawn by motor unit car	1,290,119	1,224,719	1,162,644	1,159,548	1,505,213
" - total	43,744,164	46,200,947	47,663,617	46,977,271	45,745,089
Total transportation service	125,141,312	133,382,587	136,880,740	131,975,175	121,079,337
Work train service	2,610,302 ¹	3,569,027 ¹	3,235,091 ¹	2,970,608 ¹	2,773,385
Freight car miles:					
In freight trains - transportation service:					
Freight loaded	2,102,531,537	2,276,541,387	2,334,490,314	2,258,006,559	2,019,981,076
Freight empty	910,635,517	1,021,239,544	1,129,795,456	1,105,920,390	993,551,500
Caboose	80,779,907	86,580,261	88,516,401	84,603,493	74,992,270
Total	3,093,946,961	3,384,341,192	3,551,802,171	3,448,530,542	3,088,504,846
In passenger trains - transportation service	5,740,568	6,148,868	6,128,057	5,521,625	5,531,473
total transportation service	3,099,687,529	3,390,490,060	3,557,930,228	3,454,052,167	3,094,036,321
Work train service	9,674,468 ¹	10,560,435 ¹	10,230,520 ¹	10,507,508 ¹	8,921,273
Passenger car miles:					
In passenger trains - transportation service:					
Locomotive drawn:					
Motor unit car	1,205	—	—	4,016	37,387
Coach (including colonist)	98,943,058	107,131,552	108,673,364	104,669,376	95,609,190
Sleeping, parlour and observation	107,139,493	111,980,449	116,747,948	118,000,631	117,987,634
Dining	17,568,796	19,044,472	18,911,183	17,674,252	17,163,902
Express	77,264,158	81,776,817	99,338,182	93,475,650	88,903,505
Other head-end	66,043,455	69,479,547	72,403,369	70,770,144	68,003,313
Other	4	4	4	4	2,445,259
Total	366,960,163	388,162,937	406,074,246	404,594,069	330,150,170
Motor unit car drawn:					
Motor unit	1,329,251	1,264,264	1,257,292	1,310,412	1,291,952
Coach (including colonist)	987,843	989,882	1,014,135	1,246,031	936,858
Sleeping, parlour and observation	157	—	—	—	2,480
Dining	—	—	—	—	—
Express	26,779	19,411	19,587	12,440	11,684
Other head-end	26,189	17,018	39,136	28,639	25,937
Other	4	4	4	4	1,308
Total	2,370,219	2,290,575	2,330,150	2,597,522	2,770,329
Total drawn (locomotive and motor unit car):					
Motor unit car	1,330,456	1,264,264	1,257,292	1,314,428	1,291,329
Coach (including colonist)	99,930,901	108,171,434	109,587,499	105,915,407	95,546,049
Sleeping, parlour and observation	107,139,650	111,980,449	116,747,848	118,000,631	117,990,114
Dining	17,568,796	18,044,472	18,911,183	17,674,252	17,163,902
Express	77,290,937	81,796,228	89,358,069	93,488,090	88,915,189
Other head-end	56,059,644	69,496,665	72,442,505	70,798,783	68,029,250
Other	4	4	4	4	2,446,567
Total	369,330,384	390,753,512	408,104,396	407,191,591	392,920,399
In freight trains - transportation service	23,382,013	24,337,565	22,743,661	23,453,459	24,008,621
Total transportation service	392,712,397	415,091,077	431,148,057	430,645,050	416,929,020
Work train service	88,158 ¹	87,657 ¹	86,305 ¹	81,557 ¹	40,255
Motor bus miles	342,700	357,877	388,902	351,984	310,954
Motor truck miles	—	—	—	—	—

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

	1950	1951	1952	1953	1954
Averages:					
Locomotive miles in transportation service per mile of road	3,232	4,224	4,315	4,127	3,718
Train miles in transportation service per mile of road	2,911	3,106	3,185	3,066	2,808
Loaded freight cars per freight train	25.93	26.11	26.17	26.57	25.81
Empty " " " "	11.19	11.71	12.65	13.01	13.19
Total freight train cars per freight train	38.01	38.82	39.91	40.57	41.00
Passenger train cars per passenger train drawn by locomotive	8.64	8.64	9.73	8.83	8.82
Passenger cars per passenger train drawn by locomotive ...	4.85	4.87	4.95	4.86	4.83
Freight traffic - revenue freight (tons-2000 lbs.):					
Originated on Canadian railways ⁶	108,147,330	121,835,765	125,336,346	119,985,990	109,854,729
Received from foreign connections	36,270,989	39,424,756	36,839,035	36,263,279	33,340,111
Total tons originated	144,218,319	161,260,521	162,175,381	156,249,259	143,194,840
Interchanged between Canadian railways	20,140,601	23,102,905	22,881,773	20,502,377	19,275,173
Total tons	164,358,920	184,363,426	183,057,154	176,751,636	162,470,013
Tons carried one mile ('000)	55,537,900	64,300,418	68,430,417	65,267,016	57,547,300
Tons originated per mile of road	3,355	3,755	3,773	3,630	3,321
Tons carried one mile (rail line) per mile of road	1,291,020	1,496,207	1,591,019	1,515,247	1,333,216
Average haul per ton, originated (revenue-non-revenue) miles	385	399	422	418	402
Freight traffic - revenue and non-revenue freight (tons-2000 lb.):					
Tons carried	184,477,378	205,073,912	206,132,601	195,661,999	177,281,690
Tons carried one mile ('000)	60,739,130	69,690,709	73,961,106	70,350,357	61,335,952
Tons per loaded car mile in transportation service (revenue and non-revenue)	28.86	30.56	31.63	31.11	30.34
Gross ton miles - freight train cars ('000)	133,103,840	148,547,147	156,671,342	151,194,542	133,201,042
- passenger train cars ('000)	1	1	1	1	29,337,598
- total ('000)	133,103,840	148,547,147	156,671,342	151,194,542	162,538,740
Gross ton miles per freight train mile	1,635	1,704	1,756	1,779	1,768
Gross ton miles (transportation service) per mile of road	3,096,734 ⁸	3,450,009 ⁸	3,645,215 ⁸	3,512,966 ⁸	3,789,102
Train hours - freight service	1	1	1	1	4,111,539
Passenger traffic:					
Passengers carried	31,139,092	30,995,604	30,167,145	28,736,159	28,396,528
Passengers carried one mile ('000)	2,816,154	3,110,241	3,151,261	2,985,944	2,863,037
Passengers carried per mile of road	724	722	702	669	658
Passengers carried one mile per mile of road	65,519	72,424	73,319	69,378	66,391
Average number of passengers per passenger train car in transportation service	7	7	7	7	7
Average number of passengers per passenger car in transportation service	13	13	13	13	13
Average distance each railway carried a passenger	90.4	100.3	104.5	103.9	100.9
Freight revenues - rail line:					
Freight receipts	\$ 769,149,967	\$ 975,962,306	\$ 941,947,995	\$ 971,758,543	\$ 872,439,270
Switching receipts	\$ 6,613,116	\$ 8,107,649	\$ 9,748,591	\$ 9,478,787	\$ 8,451,222
Other freight train receipts and water transfers	\$ 1,239,680	\$ 1,410,404	\$ 1,585,159	\$ 1,483,057	\$ 1,326,134
Total freight revenues	\$ 777,002,763	\$ 885,480,359	\$ 953,282,735	\$ 982,720,347	\$ 882,215,626
Average freight revenue per mile of road	\$ 18,077	\$ 20,619	\$ 22,180	\$ 22,833	\$ 20,458
Average freight receipts per mile of road	\$ 17,895	\$ 20,397	\$ 21,916	\$ 22,579	\$ 20,231
Average freight receipts per freight train mile	\$ 9.45	\$ 10.95	\$ 10.56	\$ 11.43	\$ 11.58
Average freight receipts per loaded freight car mile in transportation service	\$ 36.52	\$ 38.42	\$ 40.29	\$ 42.98	\$ 43.12
Average freight receipts per ton originated	\$ 5.33	\$ 5.43	\$ 5.81	\$ 6.22	\$ 6.09
Average freight receipts per ton mile	\$ 1.326	\$ 1.363	\$ 1.377	\$ 1.490	\$ 1.517
Passenger revenues - rail line:					
Passenger receipts	\$ 78,553,778	\$ 89,005,763	\$ 90,712,586	\$ 85,975,697	\$ 82,106,355
Sleeper, parlor, observation car receipts	\$ 9,086,128	\$ 10,109,060	\$ 11,678,049	\$ 11,317,512	\$ 10,976,135
Excess baggage	\$ 346,063	\$ 358,912	\$ 354,712	\$ 341,306	\$ 330,247
Mail	\$ 14,655,661	\$ 12,472,970	\$ 13,445,596	\$ 15,322,339	\$ 14,928,153
Express ⁷	\$ 36,043,678	\$ 42,037,100	\$ 49,658,174	\$ 51,785,959	\$ 47,882,418
Milk	\$ 557,453	\$ 578,340	\$ 571,827	\$ 569,524	\$ 529,482
Other passenger train revenue and water transfers	\$ 465,926	\$ 543,808	\$ 610,073	\$ 565,343	\$ 477,563
Total passenger train revenues	\$ 139,714,687	\$ 155,105,953	\$ 167,031,017	\$ 165,878,170	\$ 157,230,353
Average passenger train revenue per mile of road	\$ 3,250.54	\$ 3,611.73	\$ 3,986.25	\$ 3,854.14	\$ 3,646.01
Average passenger train revenue per passenger train mile	\$ 3.19	\$ 3.36	\$ 3.50	\$ 3.53	\$ 3.44
Average passenger train revenue per passenger train car in transportation service	\$ 35.52	\$ 37.37	\$ 38.74	\$ 38.52	\$ 37.71
Average passenger receipts per passenger per railway	\$ 2.52	\$ 2.87	\$ 3.01	\$ 2.99	\$ 2.99
Average passenger receipts per passenger mile	\$ 2.79	\$ 2.86	\$ 2.88	\$ 2.88	\$ 2.87
Average passenger receipts per passenger car in transportation service	\$ 35.77	\$ 38.16	\$ 38.10	\$ 36.54	\$ 36.40
Average sleeper, etc., receipts per sleeper, etc. car miles	\$ 9.4	\$ 9.9	\$ 9.9	\$ 9.5	\$ 9.2

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

	1950	1951	1952	1953	1954
Revenues — water line:					
Freight	\$ 3,000,027	3,644,497	3,925,550	4,412,659	3,600,226
Passenger, baggage, mail, express	\$ 316,077	383,502	429,375	424,176	412,477
Other	\$ 38,015	39,295	46,458	47,406	46,890
Total	\$ 3,354,119	4,067,874	4,401,982	4,884,241	4,059,593
Gross earnings from operation, rail and water:					
Freight, rail and water	\$ 780,002,790	889,124,846	957,208,285	987,133,046	885,815,852
Passenger, rail and water	\$ 140,030,764	155,489,455	167,480,992	166,302,346	157,642,830
Other earnings from operation	\$ 38,952,197	43,969,488	47,489,338	52,500,022	51,982,236
Total	\$ 958,985,751	1,088,583,789	1,172,158,665	1,205,935,414	1,095,440,918
Operating expenses:					
Net operating revenue	\$ 833,726,562	977,577,062	1,057,186,304	1,100,393,836	1,019,534,989
Operating ratio	% 96.94	99.90	90.19	91.25	93.07
Gross earnings per mile of road	\$ 22,311	25,343	27,272	29,020	25,402
Gross earnings per revenue train mile	\$ 7.66	9.16	8.56	9.14	9.05

1. Non-revenue in which "work train service" is included.
2. Included "Other" locomotive miles.
3. Included with "Diesel" locomotive miles.
4. Included with "Other head-end" car miles.
5. Not reported.
6. Adjusted for foreign grain loaded from port elevators.
7. Includes gross revenues of express traffic handled by Canadian National Railways.
8. Gross ton miles — freight trains only.

TABLE 13. Taxes, Year ended December 31

	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
Provincial:					
Newfoundland	59	4,310	6,335	7,335	13,329
Prince Edward Island	3,829	3,787	3,773	3,835	3,825
Nova Scotia	88,558	83,302	101,804	103,263	109,748
New Brunswick	149,530	200,953	209,359	232,259	190,735
Quebec	2,757,114	1,601,197	3,373,060	3,408,129	3,492,491
Ontario	3,468,487	4,035,643	3,359,791	3,341,957	3,429,732
Manitoba	1,830,129	1,384,925	1,463,915	1,046,768	1,058,556
Saskatchewan	625,318	720,669	757,476	612,962	672,246
Alberta	609,718	682,188	722,036	794,663	837,433
British Columbia	1,219,824	1,307,451	1,397,329	1,430,286	1,597,480
Yukon	13,059	10,287	9,168	15,727	13,214
Income and excess profits tax	15,193,201	18,954,092	21,194,224	19,874,444	18,666,029
Unemployment Insurance	3,789,952	4,779,879	4,991,465	4,863,134	4,382,264
Other special tax	271,613	277,259	305,540	22,345	62,108
Outside Canada	2,269,710	2,383,722	2,401,360	2,527,103	2,342,045
Total	32,319,090	36,428,764	40,296,635	38,284,010	36,871,026
Taxes paid by railway bridge companies	4,298	5,272	14,780	26,522	24,160
" " Pullman Company	—	—	—	—	—
Grand Total	32,323,388	36,434,036	40,311,415	38,310,532	36,895,186

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 14A. Traffic Handled in Year ended December 31¹

	1950	1951	1952	1953	1954
Tons (2000 lb)					
Agricultural Products:					
Wheat	10,190,638	15,444,631	19,026,645	18,463,859	11,501,780
Corn	928,237	962,224	914,140	973,051	958,187
Oats	1,998,361	2,679,391	3,219,709	3,188,551	2,477,983
Barley	1,915,905	2,910,465	4,449,143	4,145,961	3,402,943
Rye	251,726	260,290	409,862	436,414	381,346
Flaxseed	103,917	216,167	304,565	335,737	325,127
Grain, n.o.s.					130,255
Flour, wheat	1,996,281	2,222,861	2,233,819	2,043,908	1,842,171
Cereal Food preparations	7	7	7	7	213,501
Mill products, n.o.s.	2,479,974	2,565,747	2,584,815	2,327,995	2,812,505
Fay and straw	228,792	176,994	98,421	121,864	117,446
Cotton: raw, linters, noils and regins	226,042	210,137	190,311	168,695	154,086
Apples, fresh or fresh frozen	249,086	191,554	156,580	135,674	139,703
Citrus fruits	8	8	8	8	265,087

COMPARATIVE SUMMARY STATISTICS 1950 TO 1954

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TABLE 14A. Traffic Handled in Year ended December 31¹ - Continued

	1950	1951	1952	1953	1954
Tons (2000 lb.)					
Agricultural products -- concluded:					
Fruits, fresh or fresh frozen, n.o.s.	567,896	615,445	627,500	699,520	403,437
Potatoes	864,257	731,980	765,848	765,393	748,739
Vegetables, fresh or fresh frozen, n.o.s. ....	..	..	..	..	492,767
Sugar beets ....	..	..	..	..	605,618
Agricultural products, n.o.s. ....	..	..	..	..	1,521,428
Total	24,375,858	31,739,398	37,402,773	36,305,797	28,434,112
Animals and animal products:					
Cattle and calves....	591,652	446,577	346,098	403,819	393,032
Hogs	223,765	218,516	264,111	201,455	197,754
Animals, n.o.s. and live poultry....	91,655 ²	94,145 ²	69,433 ²	64,771 ²	61,375
Dressed meats, fresh, frozen, or cured, also dressed poultry	623,156 ³	605,786 ³	346,283 ³	518,713 ³	566,956
Packing house products (edible), n.o.s.	135,384	209,481	149,755	137,982	132,400
Butter, cheese and eggs....	172,024 ⁴	186,748 ⁴	129,012 ⁴	125,170 ⁴	136,599
Wool....	80,490	66,324	56,766	63,125	45,520
Hides....	..	..	..	..	118,117
Fish....	113,566	102,412	105,915	92,488	92,480
Animal products, n.o.s. ....	..	..	..	..	248,354
Total ....	..	..	..	..	1,992,487
Mine products:					
Anthracite coal	4,481,323	4,110,389	3,370,154	2,911,118	2,737,944
Bituminous coal....	19,246,915 ⁵	18,459,330 ⁵	17,528,715 ⁵	15,551,848 ⁵	15,438,742
Coke	1,899,372	2,223,652	2,145,360	1,302,753	1,541,979
Iron ore and concentrates....	3,084,845	3,395,400	2,904,764	2,877,518	2,512,218
Copper ore and concentrates....	2,142,768	2,144,342	2,075,401	2,081,020	2,276,026
Copper-nickel (nickel) ore and concentrates....	9	9	9	9	1,851,463
Bauxite (aluminum) ore and concentrates....	9	9	9	9	3,419,073
Ores and concentrates, n.o.s.	7,085,333	7,753,787	7,895,390	8,048,730	3,127,293
Common sand and gravel....	3,582,966	3,900,617	4,503,818	5,646,813	5,123,134
Stone and rock (broken, crushed, ground or riprap)....	2,788,301	3,485,464	3,903,012	4,087,903	2,759,503
Block stone (finished or rough)....	142,822	134,799	102,373	110,574	138,724
Asbestos, not further processed than milled....	10	10	10	10	747,445
Gypsum, crude....	10	10	10	10	2,079,128
Petroleum, crude....	1,814,069	895,969	629,241	626,179	795,087
Asphalt....	557,585	564,069	653,141	582,474	515,252
Salt....	536,451	716,970	709,592	694,458	744,921
Mineral products, n.o.s.	6,837,699	7,030,409	6,462,948	6,612,742	5,844,822
Total ....	..	..	..	..	51,654,704
Forest products:					
Logs, pilings, poles, posts and ties....	1,414,405 ⁶	1,939,759 ⁶	2,551,583 ⁶	2,077,644 ⁶	1,855,530
Cordwood and fuel wood....	430,306	355,213	282,089	178,459	126,082
Pulpwood....	5,521,412	9,970,231	8,563,783	5,878,947	6,131,399
Lumber, timber, lath, shingles; box, crate or cooperage stock....	7,779,428	7,867,659	7,153,936	7,237,941	7,093,440
Plywood, veneers and built-up wood....	246,911	286,756	308,095	438,548	514,868
Forest products, n.o.s.	428,977	416,299	370,671	382,948	307,115
Total	15,830,339	20,835,917	19,330,157	16,194,487	16,028,934
Manufactures and miscellaneous products:					
Gasoline....	3,199,869	3,421,566	3,922,987	3,966,463	3,731,134
Fuel oil (incl. bunker and diesel oil)....	..	..	..	..	2,927,634
Petroleum and coal products, n.o.s. ....	..	..	..	..	1,290,180
Rubber: natural or synthetic....	..	..	..	..	205,507
Iron and steel: bloom, ingot or pig....	1,069,198	1,365,837	1,225,251	644,168	554,425
Iron and steel: bar, pipe, sheet or structural....	2,633,274	3,501,728	3,454,358	3,409,566	2,312,794
Iron and steel: castings and forgings....	11	11	11	11	50,792
Rails and fastenings....	243,207	256,515	244,547	218,235	155,725
Scrap and waste metal....	..	..	..	..	933,103
Aluminum: bar, ingot, etc....	..	..	..	..	538,326
Matte....	..	..	..	..	271,677
Copper: bar, ingot, etc....	..	..	..	..	387,035
Nickel: bar, ingot, etc....	..	..	..	..	51,392
Metals and alloys, n.o.s. ....	..	..	..	..	615,534
Agricultural implements, farm tractors and parts....	640,197	704,808	679,949	579,892	346,931
Automobiles and parts: freight or passenger....	2,517,930	2,456,566	2,302,126	2,809,963	1,514,478
Machines, machinery and parts, n.o.s. (excl. business and home)....	484,061	626,182	605,421	632,651	531,250
Fertilizers, n.o.s.	1,962,785	1,936,017	1,901,624	1,819,385	1,657,029
Chemicals and acids, n.o.s. ....	..	..	..	..	2,161,797
Cement....	1,843,911	1,962,339	2,106,435	2,457,627	2,335,043
Brick, building tile and artificial stone....	664,385	815,328	761,783	694,953	643,503
Lime and plaster....	725,955	790,933	706,519	684,174	625,699
Sewer pipe and drain tile (not metal)....	87,109	102,432	77,526	90,814	89,281
Woodpulp....	2,311,057	2,750,103	2,178,170	2,074,796	2,210,580
Newspaper paper....	3,844,113	4,056,679	4,010,699	3,927,865	4,082,615
Printing and wrapping paper....	841,928	970,935	889,415	880,062	811,341
Paper and paper articles, n.o.s. (excl. building, roofing or scrap paper)....	12	12	12	12	340,170

TABLE 14A. Traffic Handled in Year ended December 31¹ — Concluded

	1950	1951	1952	1953	1954
Tons (2000 lb.)					
Manufactures and miscellaneous products — concluded:					
Paperboard, pulpboard and wallboard.....	696,902	790,236	674,119	769,079	953,106
Building paper, prepared roofing and insulating materials, n.o.s. ....	..	..	..	..	307,492
Furniture and parts: home, office or store.....	104,360	116,535	113,151	112,338	108,454
Sugar.....	552,522	492,742	496,578	483,381	473,684
Beverages.....	656,073	751,207	842,741	798,753	730,632
Food products, n.o.s., in containers.....	1,141,739	1,193,636	1,115,122	1,093,424	1,388,358
Sulphur: natural or synthetic .....	..	..	..	..	153,644
Glass, glassware and earthenware .....	..	..	..	..	266,305
Scrap and waste paper and rags.....	..	..	..	..	301,277
Manufactures and miscellaneous, n.o.s. ....	..	..	..	..	6,741,311
Total.....	..	..	..	..	42,809,238
Total all carload shipments	140,889,119	158,039,564	159,309,433	153,530,896	140,979,525
All l.c.l. freight	3,329,200	3,220,957	2,365,948	2,718,363	2,215,315
Grand total	144,218,319	161,260,521	162,175,381	156,249,259	143,194,840

Note: Footnotes 2 to 6 provide a breakdown of accounts which have been combined in the 1954 Freight Commodity Statistics Classification but were detailed separately in the former classification. Footnotes 7 to 12 relate to accounts which are separately detailed in the new classification but were combined with other commodities prior to 1954.

1. Commodities listed under new freight classification. Duplications excluded.
2. Includes "Poultry (live); "Horses"; and, "Sheep".
3. Includes "Dressed meats or dressed poultry (fresh or frozen)"; and, "Dressed meats (cured, salted)".
4. Includes "Eggs"; "Butter"; and, "Cheese".
5. Includes "Bituminous coal"; "Sub-bituminous coal"; and "Lignite coal".
6. Includes "Logs, posts, poles, piling" and, "Ties".
7. Included with "Mill products, n.o.s."
8. Included with "Fruits, fresh or fresh frozen, n.o.s."
9. Included with "Ores and concentrates, n.o.s."
10. Included with "Mine products, n.o.s."
11. Included with "Machinery, machinery and parts n.o.s. (excluding business and home)".
12. Included with "Printing and wrapping paper".

.. not available

n.o.s. — not otherwise specified

c.l. = carload total

TABLE 14B. Traffic Handled in Year ended December 31¹

	1950	1951	1952	1953	1954
Tons (2000 lb.)					
Agricultural products:					
Wheat.....	10,180,638	15,444,631	19,926,645	18,463,850	11,501,780
Corn.....	923,237	962,224	914,140	973,051	958,197
Oats.....	1,998,361	2,679,391	3,219,709	3,189,551	2,477,933
Barley.....	1,815,305	2,910,465	4,119,143	4,115,961	3,402,943
Rye.....	251,726	260,290	409,962	436,414	381,346
Flaxseed.....	103,917	216,187	304,565	335,737	325,127
Other grain.....	330,294	354,650	387,762	410,030	..
Flour.....	1,996,281	2,222,881	2,233,919	2,043,903	1,842,171
Other mill products.....	2,479,974	2,565,747	2,584,815	2,327,395	3,026,006 ²
Hay and straw.....	228,792	176,994	89,121	121,864	117,446
Cotton.....	226,042	210,137	190,311	165,695	154,020
Apples (fresh).....	210,086	191,354	156,580	135,674	139,703
Other fruit (fresh).....	567,396	615,445	627,500	680,520	859,574 ³
Potatoes.....	864,257	731,980	765,818	765,393	748,739
Other fresh vegetables.....	460,283	481,071	443,716	477,111	..
Other agricultural products.....	1,694,169	1,713,791	1,598,937	1,631,234	..
Total	24,375,858	31,739,398	37,402,773	36,303,797	28,194,112
Animal products:					
Horses.....	64,119	70,636	50,711	44,472	61,375
Cattle and calves.....	591,652	446,577	346,098	403,819	393,032
Sheep.....	27,510	23,440	18,704	20,284	.. ⁴
Hogs.....	223,765	218,516	264,111	201,465	197,754
Dressed meats (fresh).....	551,334	545,615	310,400	472,609	566,856
Dressed meats (cured, salted, canned).....	76,822	60,171	35,883	46,104	.. ⁵
Other packing house products (edible).....	135,884	209,481	149,755	137,982	132,400
Poultry (live).....	26	69	18	15	5
Eggs.....	21,597	14,250	13,938	9,037	10
Butter.....	80,015	87,763	56,718	51,086	10
Cheese.....	70,412	94,735	58,356	65,047	136,593
Wool.....	80,489	66,324	56,766	63,125	45,820
Hides and leather.....	151,949	131,094	121,138	136,749	..
Other animal products (non-edible).....	226,651	234,666	211,094	216,491	..
Total	2,302,225	2,196,327	1,693,690	1,868,285	..

See footnotes at end of table.

TABLE 14B. Traffic Handled in Year ended December 31¹ — Concluded

	1950	1951	1952	1953	1954
	Tons (2000 lb.)				
Mine products:					
Anthracite coal	4,181,323	4,119,399	3,879,154	2,911,113	2,737,944
Bituminous coal	15,058,571	14,505,205	13,796,388	12,270,030	15,438,742
Sub-bituminous coal	2,430,271	2,151,652	2,090,353	1,719,554	11
Lignite coal	1,767,973	1,802,473	1,641,374	1,562,252	11
Coke	1,339,372	2,223,652	2,145,360	1,802,753	1,541,979
Iron ore and concentrates	3,064,845	3,386,490	2,904,764	2,877,518	2,512,218
Copper ore and concentrates	2,142,768	2,144,342	2,075,401	2,081,020	2,275,026
Other ores and concentrates	7,085,333	7,753,787	7,896,390	8,048,730	8,399,329 ⁴
Base bullion, matte, pig and ingot (non-ferrous metals)	1,427,581	1,446,910	1,428,033	1,451,520	..
Sand and gravel	3,582,966	3,909,617	4,503,818	5,646,813	5,123,134
Stone (crushed, ground, broken)	2,758,301	3,496,454	3,903,012	4,087,903	2,759,503
Slate, dimension or block stone	142,922	134,799	102,373	116,574	132,724
Crude petroleum	1,314,069	696,969	629,241	626,179	795,087
Asphalt (natural, by product petroleum)	557,585	561,068	653,141	582,474	515,252
Salt	656,451	716,970	709,582	684,468	744,921
Other mine products	6,837,699	7,030,409	6,452,948	6,612,742	8,671,395 ⁵
Total	55,748,420	56,055,106	54,821,932	53,081,658	
Forest products:					
Logs, posts, poles, piling	1,350,064	1,832,259	2,372,333	1,947,648	1,855,530
Cordwood and other firewood	440,306	355,213	282,089	173,459	126,082
Ties	64,341	107,500	179,250	129,996	12
Pulpwood	5,521,412	9,970,231	8,663,783	5,877,947	6,131,899
Lumber, timber, box, crate and cooperage material	7,778,428	7,867,659	7,153,936	7,237,941	7,093,440
Plywood	246,911	286,756	308,095	439,548	514,868
Other forest products	428,877	416,299	370,671	382,948	307,115
Total	15,830,339	20,835,917	19,330,157	16,194,487	16,028,934
Manufactures and miscellaneous:					
Gasoline	3,199,869	3,421,566	3,922,987	3,966,463	3,731,134
Petroleum oils and other petroleum products (except asphalt and gasoline)	3,026,258	3,300,499	3,537,783	3,644,721	..
Sugar	552,522	492,742	496,578	483,381	473,684
Iron, pig and bloom	1,069,183	1,365,947	1,225,251	644,168	554,425
Rails and fastenings	243,207	256,515	244,547	219,235	155,725
Iron and steel (bar-sheet-structural pipe)	2,633,274	3,501,728	3,154,358	3,409,566	2,312,794
Castings, machinery and boilers	484,961	626,182	606,424	632,651	582,042 ⁶
Cement	1,843,911	1,952,339	2,106,435	2,457,627	2,335,043
Brick and artificial stone	664,385	815,328	761,783	694,953	643,503
Lime and plaster	725,955	790,933	706,519	584,174	625,699
Water pipe and drain tile	87,109	102,432	77,526	90,814	89,281
Agricultural implements and vehicles other than autos.	640,197	704,809	679,943	579,892	346,931
Automobiles, auto trucks and auto parts	2,517,930	2,456,566	2,302,126	2,809,173	1,514,178
Household goods and settlers' effects	29,426	27,227	20,566	15,554	..
Furniture	104,360	116,535	113,151	112,338	108,454
Liquor, beverages	656,073	761,907	342,741	795,753	730,332
Fertilizers, all kinds	1,962,705	1,936,017	1,901,924	1,819,385	1,667,029
Newsprint paper	3,344,113	4,056,679	4,010,699	3,927,965	4,082,515
Other paper	841,929	970,935	889,415	980,062	1,151,511 ⁷
Paperboard, pulpboard and wallboard (paper)	696,908	799,236	674,119	769,079	953,176
Wood pulp	2,311,057	2,750,103	2,178,170	2,074,796	2,210,580
Fish (fresh, frozen, cured, etc.)	113,566	102,412	105,815	97,488	92,480
Canned goods (all canned food products except meats)	1,141,738	1,193,636	1,115,122	1,098,424	1,388,358
Other manufactures and miscellaneous	13,242,557	14,702,641	14,097,194	14,175,317	..
Merchandise (all l.c.l. freight)	3,329,200	3,220,957	2,855,948	2,718,363	2,215,315
Total	45,961,477	50,433,773	48,926,829	48,799,032	..
Grand total	144,218,319	161,260,521	162,175,381	156,249,259	143,194,840

Note: Footnotes 2 to 7 provide a breakdown of accounts for those commodities which have been separated into two or more accounts in the new classification. Footnotes 8 to 12 relates to accounts which were grouped in the new classification.

1. Commodities listed under the freight classification in use prior to 1954. Duplications excluded.
2. Includes "Cereal food preparations" and "Mill products, n.o.s.".
3. Includes "Citrus fruits" and "Fruits, fresh or fresh frozen, n.o.s.".
4. Includes "Copper-nickel (nickel) ore and concentrates", "Bauxite (aluminum) ore and concentrates" and "Ores and concentrates, n.o.s.".
5. Includes "Asbestos, not further processed than milled", "Crude gypsum" and "Mine products, n.o.s.".
6. Includes "Iron and steel: castings and forgings" and "Machinery, machinery and parts, n.o.s. (excl. business and home)".
7. Includes "Printing and wrapping paper" and "Paper and paper articles, n.o.s. (excl. building, roofing or scrap paper)".
8. Included with "Horses".
9. Included with "Dressed meats (fresh)".
10. Included with "Cheese".
11. Included with "Bituminous coal".
12. Included with "Logs, posts, poles, piling".

TABLE 15. Freight Cars in Service on December 31¹

	Number	Capacity — Tons (2000 lb.)	
		Total	Average
Automobile:			
1950	6,087	249,520	40,992
1951	6,396	265,440	41,501
1952	7,330	302,910	41,311
1953	7,560	315,200	41,693
1954	7,439	310,390	41,725

TABLE 15. Freight Cars in Service on December 31¹ — Concluded

	Number	Capacity — Tons (2000 lbs.)	
		Total	Average
Ballast:			
1950.....	1,362	90,375	49,859
1951.....	1,903	88,625	49,154
1952.....	1,347	92,580	50,125
1953.....	1,940	97,130	50,067
1954.....	2,245	117,975	52,149
Box:			
1950.....	116,332	5,096,872	43,727
1951.....	121,318	5,375,132	44,306
1952.....	121,829	5,447,152	44,712
1953.....	119,753	5,396,727	45,065
1954.....	118,770	5,398,312	45,452
Flat:			
1950.....	11,263	487,479	43,281
1951.....	11,062	478,639	43,269
1952.....	11,749	517,264	44,081
1953.....	11,690	515,849	44,127
1954.....	11,782	525,383	44,592
Gondola:			
1950.....	13,922	959,643	61,747
1951.....	11,098	874,654	62,041
1952.....	16,552	1,049,144	63,324
1953.....	17,603	1,122,142	63,747
1954.....	18,459	1,186,328	64,233
Hopper:			
1950.....	8,903	525,175	58,989
1951.....	8,897	528,070	59,354
1952.....	10,083	616,985	61,189
1953.....	11,598	737,490	63,588
1954.....	12,120	781,470	64,430
Ore:			
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	60,948
1954.....	2,555	149,075	58,346
Refrigerator:			
1950.....	8,050	332,512	41,306
1951.....	9,231	344,612	41,860
1952.....	8,691	360,012	42,344
1953.....	9,438	405,142	42,927
1954.....	9,583	413,338	43,132
Stock:			
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
1954.....	5,972	205,565	34,421
Tank:			
1950.....	469	20,535	43,785
1951.....	460	20,165	43,837
1952.....	268	10,975	40,951
1953.....	328	15,385	46,905
1954.....	393	18,075	49,793
Other:			
1950.....	100	3,750	37,500
1951.....	49	1,950	40,000
1952.....	48	1,920	40,000
1953.....	44	1,320	30,000
1954.....	44	1,320	30,000
Total:			
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
1954.....	189,351	9,105,331	48,392

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

TABLE 16. Passenger Cars in Service on December 31

	1950	1951	1952	1953	1954
Motor unit passenger	52	49	55	59	63
Coach	2,211	2,169	2,088	2,064	2,133
Combination passenger	337	339	339	331	323
Colonist	333	315	302	291	254
Dining	196	196	183	180	196
Parlour	176	153	162	161	174
Sleeping	795	803	805	801	956
Baggage, express and postal	1,808	2,201	2,244	2,430	2,418
Other	430	141	150	139	131
Total¹	6,338	6,366	6,328	6,456	6,648
Cars in company service:					
Caboose	3,150	3,187	3,209	3,301	3,296
All other	14,124	14,456	14,961	15,424	15,727
Total	17,274	17,643	18,170	18,725	19,023
Cars leased (included in above)	219	307	314	703	703
Motor buses	10	13	13	14	13
Motor trucks	14	20	21	22	22

1. Includes Pullman Co. cars in Canadian Service.

TABLE 17. Locomotives in Service on December 31

	1950	1951	1952	1953	1954
Locomotives:					
Steam:					
Coal burning	3,730	3,553	3,423	3,162	2,871
Oil burning	542	555	591	667	715
Diesel electric - "A" units	350	491	670	848	1,022
"B" units	1	83	93	108	130
Electric	33	33	33	33	33
Total	4,655	4,715	4,810	4,818	4,771
Leased (included in above)	58	51	46	37	36
Tractive power, average pounds per locomotive	42,179	42,488	42,283	42,741	42,622

1. Included with "A" units.

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

Class of Locomotive	1950	1951	1952	1953	1954
Tons (2,000 lb.)					
Freight	7,970,156	8,381,479	8,295,311	7,455,570	6,335,044
Passenger	2,586,827	2,759,780	2,793,665	2,739,994	2,730,338
Switching	1,450,705	1,521,024	1,410,861	1,258,669	1,006,344
Non-revenue	265,612	300,153	268,065	235,248	213,219 ¹
Total tons	12,273,300	12,962,436	12,767,902	11,689,481	10,284,945
Total cost	\$ 97,598,120	105,325,378	108,581,772	99,544,216	85,849,065
Average cost per ton	\$ 7.95	8.13	8.50	8.52	8.35
Rail motor cars:					
Gasoline	gals. 250,189	213,333	151,510	117,176	81,796
Diesel oil	" 199,042	217,083	223,928	228,590	457,170
Fuel oil	" —	—	—	—	—
Total cost	\$ 88,709	81,319	70,066	62,295	86,710
Motor buses and motor trucks:					
Gasoline	gals. 71,542	73,086	82,221	72,553	64,970
Diesel oil	gals. —	—	—	—	2,274
Total cost	\$ 28,683	29,917	33,303	29,496	26,192

1. Work train service only.

Note: Tonnage based on conversion factors applied to diesel oil and fuel oil consumption. These conversion factors are presently under review and data based on them must be used with caution.

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

Class of Locomotive	1950	1951	1952	1953	1954
Tons (2,000 lb.)					
Freight	8.30	8.12	7.90	7.52	7.29
Passenger	5.81	5.82	5.71	5.67	5.94
Switching	5.10	4.95	4.48	4.18	3.66 ²
Non-revenue	7.06	6.88	6.92	6.78	6.63 ²

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.

2. Work train service only.

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

Class of Locomotive	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
Freight.....	65.99	65.94	67.15	64.03	60.87
Passenger.....	46.21	47.31	48.55	48.27	49.55
Switching.....	40.56	40.20	38.13	35.56	30.57
Non-revenue	56.14	55.86	58.87	57.74	55.35 ²

1. See footnote 1 table 19. This table excludes fuel used in rail motor cars.
 2. Work train service only.

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

	1950	1951	1952	1953	1954
Anthracite	tons	13,618	17,285	14,826	10,216
Bituminous.....	"	662,595	578,701	533,716	541,437
Lignite	"	352,341	398,282	393,828	385,077
Fuel oil	gals.	23,755,514	27,709,573	29,108,217	35,493,136
Diesel oil.....	"	2,887,302	2,665,646	3,456,992	3,138,941
Gasoline.....	"	2,951,759	3,241,246	3,195,883	3,167,178

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

	1950	1951	1952	1953	1954
Tons (2000 lb.)					
In previously constructed track:					
New oper. hearth.....	266,160	221,877	206,199	209,068	221,724
Relay	222,328	257,489	253,215	232,675	177,769
Other	645	989	1,999	2,746	469
Total.....	489,133	480,355	461,413	444,489	399,962
In new track and extensions:					
New open hearth	490	3,300	588	413	3,774
Relay	13,567	27,498	31,959	30,857	38,768
Other	132	299	401	156	446
Total.....	14,189	31,097	32,948	31,426	42,988

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

	1950	1951	1952	1953	1954
Treated - No. of M bd. feet.....	12,399	12,228	10,552	12,336	11,264
Average cost	\$ 86.48	91.25	126.00	133.56	139.36
Untreated - No. of M bd. feet	4,092	3,778	2,990	3,533	2,447
Average cost	\$ 71.59	80.03	138.87	117.06	111.33
Total - No. of M bd. feet.....	16,491	16,006	13,542	15,869	13,711
Average cost	\$ 82.79	88.60	128.84	129.89	134.34

TABLE 24. Number of Cross-Ties Purchased, Year ended December 31

Kind	1950	1951	1952	1953	1954
Hardwood					
Ash	—	—	—	—	—
Oak	38,012	37,463	30,057	66,280	60,643
Elm	—	2,477	18,422	14,388	13,099
Chestnut	—	—	—	—	—
Beech	82,499	121,665	225,931	265,093	521,953
Birch	429,842	418,214	763,465	945,218	302,806
Maple	235,118	281,717	706,426	796,790	573,893
Unclassified	69,484	56,157	52,346	56,468	52,754
Total	854,955	917,693	1,796,647	2,144,237	1,525,148
Softwood					
Cypress	6,616	16,052	1,831	1,602	519
Cedar	46,049	39,151	111,979	123,096	40,911
Hemlock	179,352	177,703	635,348	380,089	207,332
Fir	963,138	1,259,419	1,934,658	1,127,029	966,150
Pine	3,678,674	3,824,780	6,937,687	5,816,516	3,727,293
Poplar	—	—	2,858	1,040	—
Tamarack	279,611	315,600	517,527	325,145	12,745
Spruce	49,623	121,209	372,941	164,424	69,304
Unclassified	3,207	43,275	262,224	1,627	19,789
Total	5,206,270	5,797,189	10,777,053	7,840,368	5,038,043

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

	1950	1951	1952	1953	1954
In previously constructed track:					
Treated ties	No.	6,600,171	6,369,026	6,322,857	6,690,587
Untreated ties	No.	1,255,795	907,869	1,031,157	855,196
Total	No.	7,855,966	7,276,895	7,354,014	7,545,783
In new track and extension:					
Treated ties	No.	154,644	334,441	404,240	429,259
Untreated ties	No.	59,461	96,883	75,245	37,785
Total	No.	214,105	431,324	479,485	467,044
Average cost:					
Treated ties	\$	2.32	2.38	2.77	3.18
Untreated ties	\$	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, Year ended December 31

	1950	1951	1952	1953	1954
Trainmen	2	3	3	5	4
Trackmen	2	4	4	1	1
Switch tenders, etc	—	—	1	—	—
Stationmen	1	—	2	—	—
Shopmen	1	1	2	—	3
Telegraph employees	—	—	—	—	—
Other employees	—	—	—	—	—
Passengers	2	2	—	2	1
Trespassers	3	3	1	3	2
Non-trespassers	2	7	7	3	10
Postal-clerks, etc	—	—	—	3	—
Total	13	20	20	17	21

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

		Class of Accident	1950	1951	1952	1953	1954
Trainmen	Number	Train	1,759	1,894	1,963	1,565	1,261
" "	"	Non-train	172	115	93	74	71
" "	Days absent		55,155	58,001	57,016	50,024	41,693
Trackmen	Number	Train	175	111	135	123	90
" "	"	Non-train	2,266	1,993	1,674	1,382	980
" "	Days absent		69,437	56,050	52,555	51,197	40,086
Switch tenders, etc.	Number	Train	133	167	154	158	128
" " "	"	Non-train	43	57	46	43	31
" " "	Days absent		9,768	7,414	7,156	7,245	5,738
Stationmen	Number	Train	15	13	15	17	9
" " "	"	Non-train	756	773	663	564	461
" " "	Days absent		19,067	16,946	15,879	15,325	13,182
Shopmen	Number	Train	42	66	50	40	29
" " "	"	Non-train	2,218	1,885	1,692	1,428	1,102
" " "	Days absent		59,216	47,724	43,218	36,968	30,507
Telegraph employees	Number	Train	7	4	9	14	9
" " "	"	Non-train	135	154	166	182	138
" " "	Days absent		3,882	3,075	4,122	5,388	4,829
Other employees	Number	Train	113	86	104	100	120
" " "	"	Non-train	274	333	265	227	225
" " "	Days absent		9,270	9,906	7,215	7,830	9,405
Total	Number	Train	2,244	2,341	2,430	2,017	1,646
" " "	"	Non-train	5,864	5,310	4,589	3,900	3,008
" " "	Days absent		225,795	199,116	187,171	173,977	145,440

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

Causes	1950	1951	1952	1953	1954
Coupling and uncoupling	101	110	107	97	72
Collisions - between:					
Railway rolling stock	92	76	111	70	59
Trains or locomotives and motor vehicles or horse-drawn vehicles:					
At highway crossings	346	398	368	406	336
At other points	19	34	50	49	39
Track cars or hand cars and motor vehicles or horse-drawn vehicles:					
At highway crossings	11	10	20	14	19
At other points	4	1	2	3	5
Pedestrians struck by trains or locomotives, cars or hand cars, etc.					
At highway crossings	26	21	20	15	20
At other points	180	210	183	167	116
Derailments	32	36	21	43	85
Locomotives or cars breaking down	3	1	1	-	7
Getting on or off trains	477	552	555	476	354
Falling from trains, locomotives or cars	101	159	193	139	105
Striking overhead or other obstructions	26	27	25	37	15
Other causes	1,320	1,443	1,472	1,153	1,055
Total	2,738	3,078	3,128	2,669	2,287

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

Causes	1950	1951	1952	1953	1954
Number of persons killed					
Passengers					
Coupling and uncoupling	—	—	—	—	—
Collisions — between:					
Railway Rolling Stock	16	—	—	—	1
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	—	—	—	—	1
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	—	—	1
Derailments	—	—	—	1	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	—	—	—	—	—
Other causes	—	2	1	1	—
Total	18	4	2	3	4
Employees					
Coupling and uncoupling	2	7	2	1	4
Collisions — between:					
Railway Rolling Stock	20	17	27	8	8
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	1	2	—	—	—
At other points	—	—	—	—	—
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	—	1	1	1	1
At other points	—	1	—	—	—
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	1	—	—	—	—
At other points	13	20	12	6	4
Derailments	5	7	5	6	8
Locomotives or cars breaking down	1	1	—	—	—
Getting on or off trains	1	3	1	—	1
Falling from trains, locomotives or cars	5	4	3	2	3
Striking overhead or other obstructions	1	—	1	—	2
Other causes	4	6	9	6	6
Total	54	69	61	30	37
Number of persons injured					
Passengers					
Coupling and uncoupling	—	—	—	1	—
Collisions — between:					
Railway Rolling Stock	133	21	45	17	96
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	1	15	1	3	1
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	—	—	2
Derailments	2	13	3	65	52
Locomotives or cars breaking down	—	—	—	—	1
Getting on or off trains	40	34	21	21	20
Falling from trains, locomotives or cars	5	23	4	3	4
Striking overhead or other obstructions	—	—	—	—	—
Other causes	81	84	51	23	39
Total	262	191	125	133	215

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

Causes	1950	1951	1952	1953	1954	Number of persons injured
Employees						
Coupling and uncoupling	103	103	106	77	70	
Collisions — between:						
Railway Rolling Stock	98	105	115	67	70	
Trains or locomotives and motor or horse-drawn vehicles:						
At highway crossings	3	12	6	2	13	
At other points	—	—	—	3	—	
Track or hand cars and motor or horse-drawn vehicles:						
At highway crossings	21	13	26	18	18	
At other points	7	—	2	2	3	
Pedestrians struck by trains, locomotives or cars:						
At highway crossings	1	2	—	—	—	
At other points	50	50	36	32	20	
Derailments	33	41	35	44	39	
Locomotives or cars breaking down	3	4	1	—	1	
Getting on or off trains	467	508	512	436	324	
Falling from trains, locomotives or cars	95	134	172	114	82	
Striking overhead or other obstructions	28	32	25	36	11	
Other causes	1,335	1,337	1,394	1,186	995	
Total	2,244	2,341	2,430	2,017	1,646	

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

Class of person	1950	1951	1952	1953	1954	Number of persons killed
Employees:						
Trainmen	31	35	35	13	24	
Switch tenders, watchmen, etc.	6	2	1	—	5	
Stationmen	—	2	1	—	1	
Shopmen	—	5	3	2	1	
Trackmen	15	22	18	14	3	
Telegraph employees	1	1	2	1	1	
Other employees	1	2	1	—	2	
Total employees	54	69	61	30	37	
Passengers	18	4	2	3	4	
Postal — express — pullman employees	—	3	4	6	—	
Trespassers	81	77	100	77	71	
Other persons	146	209	208	174	169	
Grand total	299	362	375	290	281	
Suicides	9	15	2	11	9	
Number of persons injured¹						
Employees:						
Trainmen	1,759	1,894	1,963	1,565	1,261	
Switch tenders, watchmen, etc.	133	167	154	158	128	
Stationmen	15	13	15	17	9	
Shopmen	42	66	50	40	29	
Trackmen	175	111	135	123	90	
Telegraph employees	7	4	9	14	9	
Other employees	113	86	104	100	120	
Total employees	2,244	2,341	2,430	2,017	1,646	
Passengers	262	191	125	133	215	
Postal — express — pullman employees	26	19	38	62	24	
Trespassers	82	83	82	90	57	
Other persons	484	493	481	479	417	
Grand total	3,098	3,127	3,156	2,781	2,359	
Attempted suicides	2	1	3	—	—	

1. See page 20 for time lost through injuries.

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

Causes	1950	1951	1952	1953	1954
Number of persons killed					
Handling traffic	—	4	—	—	1
Handling machinery, tools, etc.	1	—	2	1	1
Getting on or off locomotives and cars at rest	2	—	1	—	—
Other causes	15	24	15	14	14
Total	18	28	18	15	16
Number of persons injured ¹					
Handling traffic	1,775	1,641	1,500	1,263	914
Handling machinery, tools, etc.	1,202	1,024	790	780	551
Getting on or off locomotives and cars at rest	166	155	155	95	79
Other causes	2,908	2,648	2,308	1,926	1,588
Total	6,051	5,468	4,753	4,044	3,132

1. See page 20 for time lost through injuries.

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

Class of person	1950	1951	1952	1953	1954
Number of persons killed					
Employees:					
Stationmen	1	1	—	—	1
Shopmen	6	4	2	2	4
Trackmen	2	7	9	3	3
Other employees	4	3	2	—	3
Total employees	13	15	13	5	11
Passengers	—	1	—	1	—
Postal — express — pullman employees	2	2	—	—	—
Other persons	3	10	5	9	5
Grand total	18	28	18	15	16
Suicides	3	—	1	—	—
Number of persons injured ¹					
Employees:					
Stationmen	756	773	663	564	461
Shopmen	2,218	1,885	1,682	1,428	1,102
Trackmen	2,266	1,993	1,674	1,382	980
Other employees	624	659	570	526	465
Total employees	5,864	5,310	4,589	3,900	3,008
Passengers	35	30	58	48	36
Postal — express — pullman employees	93	91	42	63	29
Other persons	59	37	64	33	59
Grand total	6,051	5,468	4,753	4,044	3,132
Employee suicides	—	2	—	1	—

1. See page 20 for time lost through injuries.

TABLE 33. Accidents at Highway Crossings, 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:										
1950	—	—	—	1	3	—	—	—	3	1
1951	—	—	—	—	—	1	—	—	—	1
1952	—	—	1	—	1	—	—	—	2	—
1953	—	—	—	—	—	—	—	—	—	—
1954	—	—	—	—	6	—	—	—	6	—
Protected by automatic signals:										
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
1954	—	—	5	1	4	14	1	—	10	15
Protected by watchmen:										
1950	—	—	—	—	—	—	—	—	—	—
1951	—	—	—	—	1	—	—	—	1	—
1952	—	—	—	—	1	—	1	—	2	—
1953	—	—	—	—	—	—	—	—	—	—
1954	—	—	—	—	—	1	—	—	—	1
Total at protected crossings:										
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
1954	—	—	5	1	10	15	1	—	16	16
Unprotected:										
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
1954	—	2	2	1	24	91	—	—	26	94
Grand total:										
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
1954	—	2	7	2	34	106	1	—	42	110

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

	Employees and passengers		Pedestrians		Killed in				Total	
					Motor vehicles		Other vehicles			
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Number of persons injured										
Protected by gates:										
1950.....	—	—	2	—	5	2	—	—	7	2
1951.....	—	—	1	—	6	1	—	—	7	1
1952.....	—	—	2	—	1	—	—	—	3	—
1953.....	—	—	2	—	6	—	—	—	8	—
1954.....	—	—	2	—	10	—	—	—	12	—
Protected by automatic signals:										
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
1954.....	—	11	1	2	46	20	—	—	47	33
Protected by watchmen:										
1950.....	1	—	—	—	9	—	—	—	10	—
1951.....	2	—	—	—	17	—	—	3	19	3
1952.....	1	—	—	—	14	7	—	—	15	7
1953.....	—	—	—	—	17	—	1	—	18	—
1954.....	—	—	—	—	—	2	—	1	—	3
Total at protected crossings:										
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
1954.....	—	11	3	2	56	22	—	1	59	36
Unprotected:										
1950.....	—	25	5	4	169	163	6	4	180	196
1951.....	4	36	1	5	149	213	2	24	156	276
1952.....	2	24	2	1	109	226	2	3	115	254
1953.....	4	5	4	—	107	234	—	15	115	254
1954.....	2	6	4	1	136	157	—	12	142	176
Grand total:										
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
1954.....	2	17	7	3	192	179	—	13	201	212

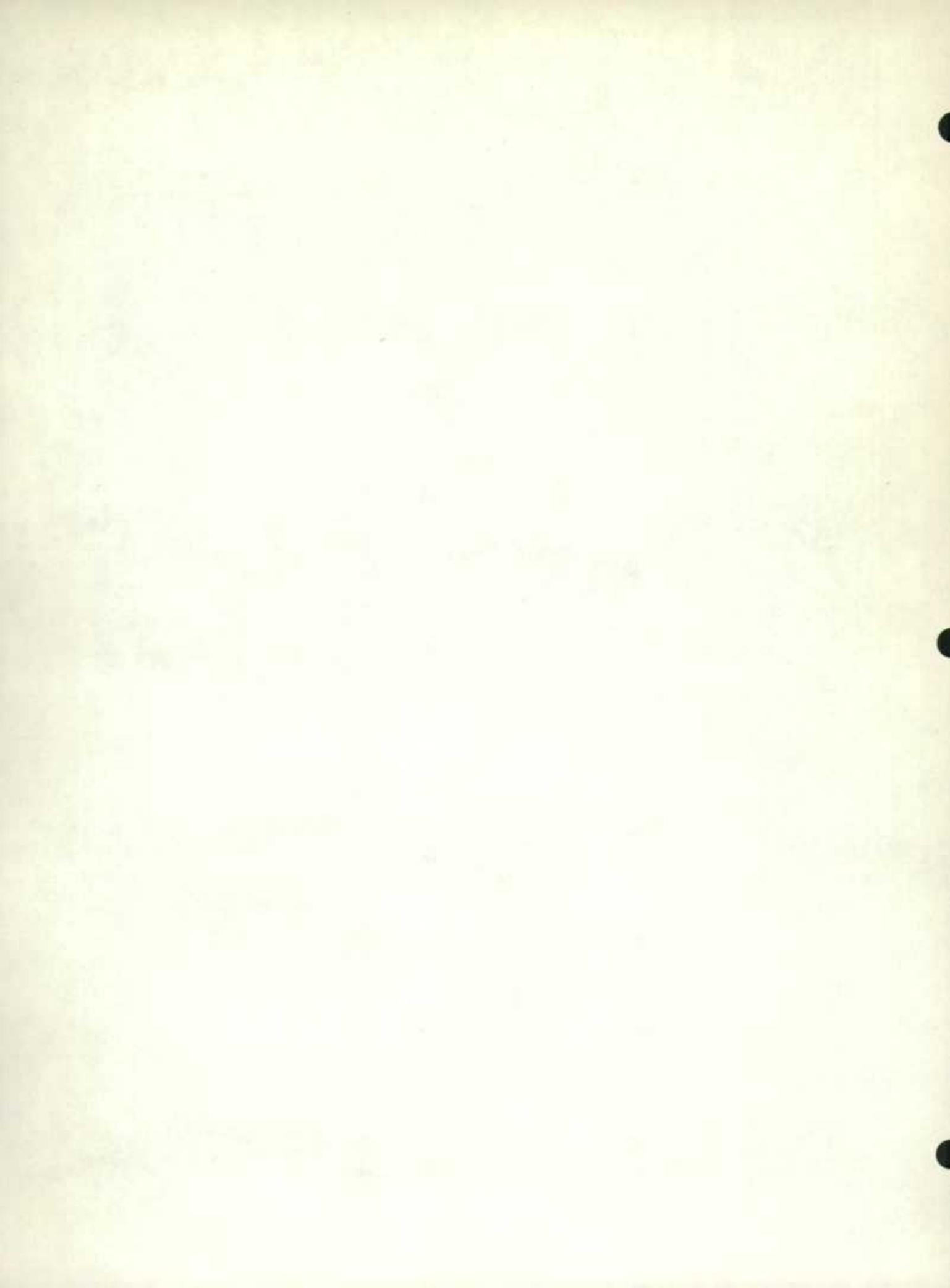
RAILWAY TRANSPORT

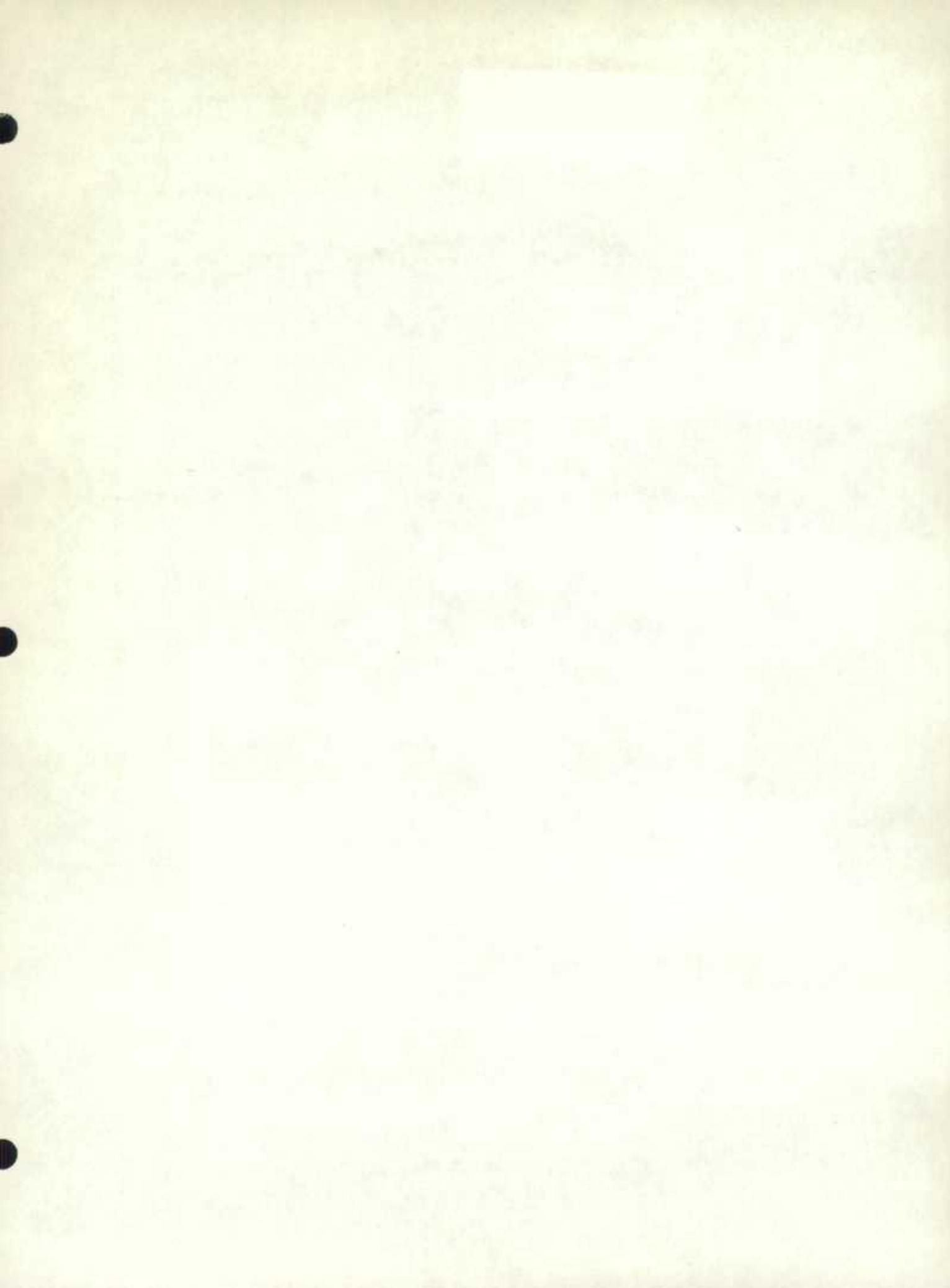
TABLE 34. Number of Highway Crossings at December 31

	Protected by										
	Gates		Bridges		Subways		Automatic signals		Watchmen		
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	
Newfoundland:											
1950.....	—	—	—	—	1	—	1	1	—	—	
1951.....	—	—	—	—	1	—	1	1	—	—	
1952.....	—	—	—	—	1	—	1	1	—	—	
1953.....	—	—	—	—	1	—	1	1	—	—	
1954.....	—	—	—	—	1	—	1	1	—	—	
Prince Edward Island:											
1950.....	—	1	1	—	—	—	5	5	1	—	
1951.....	—	1	1	—	—	—	5	5	1	—	
1952.....	—	1	1	—	—	—	5	5	1	—	
1953.....	—	—	1	—	—	—	5	5	1	—	
1954.....	—	—	1	—	—	—	5	5	1	—	
Nova Scotia:											
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	97	6	1	
1954.....	7	—	23	13	14	24	45	97	6	1	
New Brunswick:											
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	—	—	
1954.....	8	2	9	26	15	34	33	79	—	—	
Quebec:											
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	92	111	155	5	1	
1953.....	53	2	28	44	144	89	121	157	5	1	
1954.....	52	2	28	43	149	91	130	171	5	1	
Ontario:											
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	3	
1953.....	106	8	147	209	277	199	358	473	23	3	
1954.....	106	9	148	213	279	197	366	457	23	3	
Manitoba:											
1950.....	6	—	4	5	31	9	12	10	10	—	
1951.....	6	—	4	5	31	13	18	8	8	—	
1952.....	8	1	4	5	32	13	20	7	5	—	
1953.....	9	2	4	5	31	13	20	6	5	—	
1954.....	12	2	4	5	30	13	24	7	4	—	
Saskatchewan:											
1950.....	—	2	6	17	21	44	15	8	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	—	
1954.....	—	2	6	20	21	41	19	7	1	—	
Alberta:											
1950.....	6	—	9	17	25	55	12	14	1	—	
1951.....	6	2	10	20	25	53	12	17	—	—	
1952.....	6	2	10	20	25	53	18	17	—	—	
1953.....	5	2	11	21	26	52	21	21	—	—	
1954.....	5	—	8	22	27	52	21	24	—	—	
British Columbia:											
1950.....	5	5	29	43	6	52	17	20	2	—	
1951.....	5	5	29	45	9	51	18	20	2	1	
1952.....	5	6	29	46	7	50	18	20	2	—	
1953.....	6	6	30	48	8	48	19	23	2	—	
1954.....	7	6	32	49	7	48	31	18	4	2	
Total:											
1950.....	178	17	251	385	504	531	551	746	52	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	959	43	4	
1954.....	197	23	259	392	542	506	675	991	44	6	
United States:											
1950.....	1	1	1	8	8	11	8	18	6	—	
1951.....	1	1	1	8	8	11	8	18	6	—	
1952.....	1	1	1	9	8	11	8	19	7	—	
1953.....	2	1	1	8	8	11	8	19	6	—	
1954.....	2	1	1	8	8	11	8	19	6	—	
Total, Canada and U.S.:											
1950.....	179	18	252	393	512	542	559	764	68	5	
1951.....	180	21	255	396	531	533	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	
1954.....	199	24	260	400	550	517	683	910	50	6	

TABLE 34. Number of Highway Crossings at December 31

Total protected			Unprotected			Grand total			
Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	
1	3	4	23	103	216	24	196	220	Newfoundland:
1	3	4	23	106	219	24	199	223	1950
1	3	4	24	105	219	25	198	223	1951
1	3	4	29	224	253	30	227	257	1952
1	3	4	29	224	253	30	227	257	1953
1	3	4	29	224	253	30	227	257	1954
7	14	21	35	215	250	42	229	271	Prince Edward Island:
7	14	21	35	215	250	42	229	271	1950
7	14	21	35	215	250	42	229	271	1951
7	14	21	35	214	249	42	228	270	1952
7	15	22	35	213	248	42	228	270	1953
7	15	22	35	213	248	42	228	270	1954
92	123	215	155	661	916	247	784	1,031	Nova Scotia:
92	122	214	155	662	917	247	784	1,031	1950
93	122	215	170	659	938	272	781	1,053	1951
94	125	210	190	664	854	294	722	1,073	1952
95	125	220	189	664	853	284	789	1,073	1953
95	125	220	189	664	853	284	789	1,073	1954
59	127	196	130	753	938	189	885	1,074	New Brunswick:
61	128	199	128	757	935	199	835	1,074	1950
61	135	196	128	744	872	189	879	1,068	1951
63	139	202	128	740	869	191	879	1,070	1952
65	141	206	127	739	868	192	880	1,072	1953
65	141	206	127	739	868	192	880	1,072	1954
304	255	559	381	2,175	2,556	685	2,430	3,115	Quebec:
318	260	576	420	2,133	2,553	736	2,393	3,129	1950
329	285	614	416	2,119	2,535	745	2,404	3,149	1951
351	293	644	429	2,083	2,512	780	2,376	3,156	1952
364	308	672	413	2,092	2,505	777	2,400	3,177	1953
364	308	672	413	2,092	2,505	777	2,400	3,177	1954
898	853	1,728	1,558	5,278	6,936	2,423	6,141	8,564	Ontario:
872	852	1,754	1,545	5,232	6,777	2,437	6,094	8,531	1950
875	890	1,785	1,597	5,213	6,810	2,492	6,103	8,595	1951
875	891	1,802	1,637	5,144	6,781	2,542	6,035	8,583	1952
892	908	1,830	1,555	5,141	6,796	2,577	6,049	8,626	1953
892	908	1,830	1,555	5,141	6,796	2,577	6,049	8,626	1954
53	24	87	498	3,731	4,229	561	3,755	4,316	Manitoba:
58	28	94	490	3,732	4,231	567	3,759	4,325	1950
70	26	96	511	3,742	4,253	581	3,769	4,349	1951
69	26	95	517	3,768	4,285	586	3,794	4,380	1952
74	27	101	523	3,772	4,295	597	3,799	4,396	1953
74	27	101	523	3,772	4,295	597	3,799	4,396	1954
43	69	112	451	7,504	8,045	494	7,563	8,157	Saskatchewan:
44	70	114	451	7,608	8,959	495	7,678	8,173	1950
44	69	113	455	7,593	8,048	499	7,662	8,161	1951
45	68	114	430	7,539	8,019	476	7,657	8,133	1952
47	70	117	429	7,590	8,019	476	7,660	8,136	1953
47	70	117	429	7,590	8,019	476	7,660	8,136	1954
53	36	139	214	3,997	4,201	337	4,093	4,420	Alberta:
54	92	146	337	3,977	4,314	391	4,069	4,460	1950
59	92	151	330	3,999	4,349	409	4,091	4,500	1951
63	96	159	375	3,982	4,357	438	4,072	4,518	1952
61	98	159	363	3,976	4,339	424	4,074	4,498	1953
61	98	159	363	3,976	4,339	424	4,074	4,498	1954
59	120	170	233	923	1,206	342	1,043	1,385	British Columbia:
52	122	174	290	921	1,211	352	1,043	1,395	1950
61	122	173	291	928	1,219	352	1,050	1,402	1951
65	125	190	316	916	1,232	381	1,041	1,422	1952
81	123	204	324	938	1,322	465	1,061	1,526	1953
81	123	204	324	938	1,322	465	1,061	1,526	1954
1,546	1,684	3,230	3,799	25,525	29,323	5,344	27,209	32,553	Total:
1,597	1,699	3,296	3,883	25,433	29,316	5,480	27,132	32,512	1950
1,620	1,758	3,379	3,936	25,407	29,393	5,606	27,155	32,771	1951
1,670	1,790	3,450	4,095	25,324	29,410	5,756	27,104	32,360	1952
1,717	1,818	3,535	4,147	25,349	29,495	5,864	27,137	33,031	1953
1,717	1,818	3,535	4,147	25,349	29,495	5,864	27,137	33,031	1954
24	38	62	23	97	120	47	135	182	United States:
24	38	62	23	97	120	47	135	182	1950
25	38	63	23	97	120	48	135	183	1951
25	39	64	23	96	119	48	135	183	1952
25	39	64	25	96	121	50	135	185	1953
25	39	64	25	96	121	50	135	185	1954
1,570	1,722	3,292	3,821	25,622	29,443	5,391	27,344	32,733	Total, Canada and U.S.:
1,621	1,737	3,358	3,905	25,530	29,436	5,527	27,267	32,794	1950
1,645	1,796	3,411	4,009	25,504	29,513	5,654	27,300	32,954	1951
1,695	1,819	3,514	4,109	25,420	29,529	5,804	27,239	33,043	1952
1,742	1,857	2,599	4,172	25,443	29,617	5,914	27,302	33,216	1953
1,742	1,857	2,599	4,172	25,443	29,617	5,914	27,302	33,216	1954





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