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RAILWAY TRANSPORT

1960

PART I

(Comparative Summary Statistics 1956 to 1960)

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- nil or zero.
- * revised figures.

RAILWAY TRANSPORT

1960

PART I

(Comparative Summary Statistics 1956 to 1960)

Track Mileage

Common carrier railways in Canada operated a total of 44,029 miles of first main track at the close of 1960, a decline of 180 miles over the previous year, but an increase of 377 miles over the 43,652 miles recorded in 1956. During the five year period, second main track mileage declined 233 miles to 2,243 and industrial track was reduced 1,136 miles to 1,248. Yard track and sidings rose 310 miles to 11,628 between 1956 and 1960, while the total mileage of all tracks declined 637 miles to 59,193.

Investments, Capital and Reserves

Road and equipment property investments to December 31, 1960 amounted to \$6,744,706,342, up \$107.3 million over 1959 and \$1.0 billion since 1956. Railway capital increased \$785.2 million during the five years under review to a total of \$4,970,399,496, and reserves and unadjusted credits increased \$302.8 million to \$1,773,701,035 at the close of 1960.

Operations

Railway operating revenues during the year 1960 totalled \$1,151,655,456, a decline of 6.0 per cent from \$1,224,567,928 in 1959 and a drop of 11.5 per cent from the record high of \$1,300,623,923 established in 1956. Receipts from the movement of freight accounted for 86.2 per cent of all operating revenues in 1960 compared with 86.4 per cent in 1959 and 85.4 per cent in 1956. Passenger traffic accounted for 6.0 per cent of the 1960 total as against 6.6 per cent four years earlier.

Railway operating expenses, including rents and taxes, totalled \$1,109,470,426 in the current year, down 4.9 per cent from \$1,166,306,724 in the previous year and 5.3 per cent from 1956. The operating ratio (relation between railway operating expenses and revenues) was 96.34 per cent in 1960; 95.24 per cent a year earlier; and 90.06 per cent in 1956.

Revenue freight carried by railways operating in Canada, excluding traffic interchanged between domestic carriers, totalled 158.5 million tons in 1960 in contrast to 166.1 million a year earlier and 189.6 million in 1956. Ton-miles in 1960 dropped to 65.4 billion, while the length of haul per ton rose to 413 miles. This compares with 68.0 billion

ton-miles in 1959 for an average haul of 409 miles, and 78.8 billion ton-miles in 1956 and a haul of 416 miles.

Passenger traffic continued to drop in 1960 with 19.5 million persons travelling by rail as against 20.9 million in 1959 and 26.1 million in 1956. The average passenger journey was 116.1 miles in 1960 compared with 116.8 miles in 1959 and 111.5 miles in 1956.

Equipment

Railway freight cars in operation during 1960 numbered 191,553, down from 194,512 a year earlier and 191,974 in 1956. The average capacity of freight cars increased over the five years under review, rising to 51.4 tons in 1960 from 51.1 in the previous year and 49.6 tons in 1956.

Passenger cars in service have declined steadily during the five year period, dropping to 5,119 units in 1960 in contrast to 5,456 units in 1959 and 6,220 units four years earlier.

The Canadian National Railways completed their dieselization program during 1960 retiring all remaining steam locomotives from service, while the Canadian Pacific Railway Company had only 364 steam units to retire at the end of the year. Steam locomotives in Canadian service at the close of 1960 numbered 403 units, down from 1,514 units in 1959 and 2,849 units in 1956. Diesel units, on the other hand, totalled 3,308 in 1960, up from 3,155 a year previous and 1,895 in 1956.

Fuel, Rails and Ties

The consumption of diesel oil continued to rise over the five year period, increasing to 340.9 million gallons in 1960 in contrast to 331.6 million in 1959 and 211.9 million in 1956. Fuel oil, however has dropped rapidly from 231.2 million gallons in 1956 to 7.2 million in 1960 and bituminous coal has dropped from 5.6 million tons to less than half a million over the five years under review. The average cost of diesel oil declined to 13.2 cents per gal in 1960 from 13.8 cents in 1956. The average cost of fuel oil has declined to 4.9 cents in 1960 from 5.9 cents in 1956, whereas the average cost of bituminous coal has increased to \$10.60 per ton from \$9.32 four years earlier.

Accidents

A total of 262 persons was killed and 1,586 injured in train accidents during the year 1960 compared with 303 killed and 1,818 injured in the previous year. Of the current year totals, 164 persons were killed and 434 were injured at highway crossings. A further breakdown shows that 36 of the 164 fatalities occurred at protected crossings, while 128 of these deaths took place at unprotected crossings. An additional 10 persons died as a result of non-train accidents (around shops, sheds, etc.) and 1,905 were injured.

A total of 102,714 days was lost by employees through injuries incurred in train and non-train accidents during the year 1960 in contrast to 113,159 a year earlier, and 151,411 in 1956.

Highway Crossings

Highway crossings in Canada at the close of 1960 totalled 33,500 as against 33,293 in 1959. Of the current total 4,662 were protected crossings and 28,838 unprotected. This compares with 4,314 and 28,979 in 1959.

October 16, 1961.

TABLE 1. Mileage Operated, by Area, on December 31¹

	1956	1957	1958	1959	1960
	number				
First main track mileage:					
Newfoundland	934	934	934	934	934
Prince Edward Island	285	285	285	285	284
Nova Scotia	1,391	1,370	1,336	1,333	1,316
New Brunswick	1,799	1,818	1,818	1,818	1,783
Quebec	4,940	5,097	5,096	5,228	5,228
Ontario	10,516	10,513	10,466	10,421	10,245
Manitoba	4,974	5,005	5,004	5,004	5,056
Saskatchewan	8,721	8,721	8,721	8,721	8,721
Alberta	5,680	5,680	5,680	5,680	5,679
British Columbia	4,015	4,070	4,388	4,388	4,386
Yukon	58	58	58	58	58
In United States	339	339	339	339	339
Totals	43,652	43,890	44,125	44,209	44,029
Second track	2,476	2,471	2,444	2,350	2,243
Other main track	45
Industrial track	2,384	1,208	1,216	1,219	1,248
Yard track and sidings	11,318	11,528	11,534	11,616	11,628
Totals all tracks	59,830	59,097	59,319	59,394	59,193
Gauge of single (first main) track:					
4 ft. 8½ inches	42,833	43,071	43,306	43,391	43,211
3 ft. 6 inches	729	729	729	728	728
3 ft.	90	90	90	90	90
Single track owned but not operated	38	38	22	21	21

¹ Excludes trackage rights.TABLE 2. Railway Track Mileage—First Main Track Miles, by Area, on December 31¹

	1956	1957	1958	1959	1960
	number				
Newfoundland	934.60	934.60	934.60	934.20	934.20
Increase over previous year	24.50	—	—	—	—
Prince Edward Island	284.80	284.80	284.80	284.80	284.50
Increase over previous year	—	—	—	—	D 0.30
Nova Scotia	1,391.40	1,370.00	1,335.70	1,333.30	1,316.30
Increase over previous year	D 9.20	D 21.40	D 34.30	D 2.40	D 17.00
New Brunswick	1,798.70	1,817.70	1,817.70	1,817.70	1,782.70
Increase over previous year	D 1.80	19.00	—	—	D 35.00
Quebec	4,939.80	5,096.60	5,095.90	5,228.20	5,227.50
Increase over previous year	3.50	156.80	D 0.70	132.30	D 0.70
Ontario	10,516.00	10,513.50	10,466.60	10,421.00	10,245.20
Increase over previous year	140.80	D 2.50	D 46.90	D 45.60	D 175.80
Manitoba	4,974.00	5,004.60	5,004.50	5,004.50	5,055.90
Increase over previous year	D 4.80	30.60	D 0.10	—	51.40
Saskatchewan	8,720.80	8,720.90	8,720.80	8,720.60	8,721.00
Increase over previous year	D 0.30	0.10	D 0.10	D 0.20	0.40
Alberta	5,680.10	5,680.00	5,679.50	5,679.70	5,678.60
Increase over previous year	21.20	D 0.10	D 0.50	0.20	D 1.10
British Columbia	4,015.10	4,070.60	4,388.40	4,388.10	4,386.20
Increase over previous year	33.90	55.50	317.80	D 0.30	D 1.90
Yukon	57.70	57.70	57.70	57.70	57.70
Increase over previous year	—	—	—	—	—
United States	339.10	339.10	339.10	339.10	339.20
Increase over previous year	—	—	—	—	0.10
Totals	43,652.10	43,890.10	44,125.30	44,208.90	44,029.00
Increase over previous year	207.80	238.00	235.20	83.60	179.90

¹ Excludes trackage rights.

D—Decrease.

TABLE 3. Investments in Road and Equipment Property, Year Ended December 31

	1956 ^r	1957 ^r	1958 ^r	1959 ^r	1960
	dollars				
Investment changes during the year:					
Road	280,648,789	226,971,459	174,390,869	134,823,880	113,587,736
Equipment	148,235,337	189,383,255	133,068,199	78,487,442	Cr. 12,920,826
General	7,871,446	Cr. 77,635,769	Cr. 1,673,544	Cr. 816,428	Cr. 35,546
Undistributed (see below)	12,156,689	16,761,171	2,253,817	42,668,998	6,742,707
Totals	448,912,261	355,480,116	308,039,341	255,163,892	107,374,071
Total investments to December 31	5,707,460,087¹	6,074,129,038²	6,382,168,379	6,637,332,271	6,744,706,342
Undistributed:					
Non-rail property:					
Canadian National Railways	6,245,238	6,573,570	6,017,011	1,861,030	6,538,741
Canadian Pacific Railway Company	5,790,522	9,943,881	Cr. 3,825,030	36,878,761	122,830
Other railways	120,929	243,720	61,836	3,929,207	81,136
Totals	12,156,689	16,761,171	2,253,817	42,668,998	6,742,707

¹ A re-statement of investment totals by railways adopting the new Uniform Classification of Accounts in 1956 and the year-to-date investments in non-rail property, not previously available, has increased the cumulative figure by \$481,268,776.

² Includes investments totalling \$12,188,835 of the British Columbia Electric Railway which reported for the first time in the railway transport series.

TABLE 4. Railway Capital on December 31

	1956	1957	1958	1959	1960
	dollars				
Stocks	2,279,840,474	2,272,913,039	2,354,013,053	2,376,415,625	2,433,278,796
Debenture stock	292,646,839	292,646,644	292,646,644	292,646,644	292,548,888
Funded debt	1,812,706,551	1,764,660,210	1,953,114,826	2,122,675,213	2,244,571,812
Totals	4,185,193,864	4,330,219,893	4,599,774,523	4,791,737,482	4,970,399,496

TABLE 5. Funded Debt Guaranteed at December 31, 1960

Name of railway	Guaranteed by		Total outstanding
	Government of Canada	Provincial Governments	
	dollars		
Canada and Gulf Terminal Railway	—	290,000	290,000
Canadian National Railways	1,639,050,000	—	1,639,050,000
Canadian Northern Ontario Railway	3,597,518	—	3,597,518
Canadian Northern Alberta Railway	—	—	—
Grand Trunk Pacific Railway	34,464,204	—	34,464,204
Grand Trunk Railway	97,756	—	97,756
Totals	1,677,209,478	—	1,677,209,478
Ontario Northland Railway	—	8,802,000	8,802,000
Pacific Great Eastern Railway	—	110,116,600	110,116,600
Grand totals	1,677,209,478	119,208,600	1,796,418,076

TABLE 6. Reserves and Unadjusted Credits at December 31¹

	1956	1957	1958	1959	1960
	dollars				
Depreciation reserves:					
Road and equipment	1,295,953,912	1,398,893,774	1,464,050,212	1,553,177,751	1,605,645,731
Other properties	82,792,742	88,456,681	85,778,147	94,838,841	91,728,045
Other reserves and unadjusted credits:					
Insurance reserves	28,582,075	28,600,762	28,609,623	28,619,651	29,009,278
Equalization reserves	90,049	116,000	103,899	111,026	91,602
Premium on funded debt	—	—	—	—	—
Reserve for investments	770,201	795,713	2,285,091	6,117,773	10,814,636
Other unadjusted credits	62,700,857	40,957,551	37,333,989	36,310,583	36,411,743
Totals	1,470,889,836	1,557,820,481	1,618,160,961	1,719,175,625	1,773,701,035

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

TABLE 7. Income and Retained Income Accounts, at December 31¹

	1956	1957	1958	1959	1960
	dollars				
Income account					
Railway operating revenues	1,300,623,923	1,263,147,930	1,163,735,417	1,224,567,928	1,151,655,456
Railway operating expenses ²	1,130,187,564	1,150,055,128	1,083,342,821	1,106,158,160	1,049,561,887
Net railway operating revenues	170,436,359	113,092,802	80,392,596	118,409,768	102,073,569
Tax accruals	50,149,499	53,475,018	48,934,683	60,148,564	59,888,539
Railway operating income	120,286,860	59,617,784	31,457,913	58,261,204	42,185,030
Other income:					
Rail and non-rail ³	46,914,608	30,173,795	18,996,399	21,742,363	25,545,534
Gross income	167,201,468	89,791,579	50,454,312	80,003,567	67,730,564
Deductions:					
Hire of freight cars debit balance	11,816,362	—	—	—	—
Rent for leased roads	6,168,861	—	—	—	—
Other rents	5,068,065	555,111	443,798	390,903	370,018
Other properties loss	4,859	14,424	1,134	—	443,838
Fixed charges ⁴	49,173,370	57,633,170	70,075,548	76,111,172	92,914,721
Other deductions	3,264,141	2,036,988	1,193,067	2,351,976	2,633,446
Totals	75,495,658	60,239,693	71,713,547	78,854,051	96,362,023
Net income	91,705,810	29,551,886	Dr. 21,259,235	1,149,516	Dr. 28,631,459
Retained income					
Dividend appropriations	55,450,494	28,394,886	27,277,094	28,749,308	61,462,274
Sinking and reserve funds	933,905	—	—	—	—
Other appropriations and misc. debits	1,266,289	8,854,904	Cr. 5,511,002	2,393,666	3,768,173
Total debits	57,650,688	37,249,790	21,766,092	31,142,974	65,230,447
Total credits	9,406,915	45,237,403	76,315,349	50,726,175	72,886,016
Balance to general balance sheet	Cr. 42,135,763	Cr. 37,539,499	Cr. 33,290,022	Cr. 20,732,717	Dr. 20,975,888

¹ Excludes pullman, tunnel and bridge company data.

² Includes equipment rents and joint facility rents.

³ Includes net income of express, commercial communications, highway transport (rail) and non-rail operations.

⁴ Includes rent for leased roads, interest on funded and unfunded debt, etc.

TABLE 8. Gross Earnings, Year Ended December 31

	1956	1957	1958	1959	1960
	dollars				
Operating revenues:					
Rail line:					
Freight	1,110,115,769	1,080,053,400	995,853,940	1,058,009,762	992,739,695
Passenger	85,282,091	86,851,789	77,318,387	73,587,794	69,154,309
Baggage	384,391	361,424	296,432	267,034	307,093
Sleeping, parlour and chair car	11,954,093	11,893,425	10,434,058	10,766,016	10,227,842
Mail	13,975,220	15,397,282	15,171,791	17,679,091	17,432,364
Express	26,137,537	22,408,506	22,348,264	23,069,446	21,779,676
Other passenger train	21,278	21,353	20,137	21,169	27,793
Milk	533,262	451,171	336,291	258,384	193,789
Switching	10,844,024	9,652,416	8,536,836	8,203,102	7,728,402
Water transfers—Freight	884,191	935,070	1,043,008	1,756,263	1,733,109
“ “ —Passenger	133,172	139,382	129,192	173,500	179,100
Totals	1,260,265,028	1,228,165,218	1,131,488,336	1,193,791,561	1,121,503,172
Water line:					
Freight	3,171,244	—	—	—	—
Passenger	69,442	—	—	—	—
Baggage	—	—	—	—	—
Mail	2,605	—	—	—	—
Express	—	—	—	—	—
Other	33,865	—	—	—	—
Totals	3,277,156	—	—	—	—
Incidental:					
Dining and buffet car	8,248,419	8,814,497	7,223,064	7,201,090	7,008,090
New service and restaurant	4,615,125	4,045,964	3,707,471	3,761,426	3,573,583
Station, train, etc., privileges	645,243	711,237	640,680	652,218	637,415
Storage—Parcels and baggage	247,667	225,684	152,736	137,850	100,104
Storage—Freight	488,319	480,789	390,183	422,494	329,986
Demurrage	5,237,366	4,717,878	3,526,272	3,878,475	3,681,627
Telegraph and telephone	2,282,708	—	—	—	—
Grain elevators	2,223,293	1,895,024	1,762,486	1,637,512	1,537,607
Wharves	1,692,346	2,448,295	1,891,586	1,906,808	2,052,159
Rents of buildings, etc.	3,144,908	3,365,022	3,423,476	3,460,756	3,627,231
Other	7,810,801	8,204,082	9,288,699	7,531,056	7,487,538
Totals	36,636,195	34,908,472	32,006,653	30,589,685	30,035,340
Joint facilities, Cr. balance	445,544	74,240	240,428	186,682	116,944
Total railway operating revenues	1,300,623,923	1,263,147,930	1,163,735,417	1,224,567,928	1,151,655,456
Operating expenses:					
Road maintenance	249,628,976	265,104,802	248,593,455	259,958,839	243,990,846
Equipment maintenance	251,328,643	256,689,993	253,744,614	256,778,520	249,473,225
Traffic	25,301,141	27,334,536	27,208,205	29,140,473	28,866,434
Transportation—Railway line	492,725,055	478,428,123	440,116,687	443,292,012	424,924,203
Transportation—Water line	1,504,625	—	—	—	—
Miscellaneous operations	18,807,259	16,555,093	14,824,857	14,787,822	14,506,531
General expenses	88,564,769	92,774,391	95,852,643	99,167,863	88,863,980
Totals	1,127,860,468	1,136,886,938	1,080,340,461	1,103,125,529	1,050,625,219
Equipment rents—Dr.	1,019,751	10,854,129	2,369,950	2,127,313	Cr. 1,615,965
Joint facility rents—Dr.	1,307,345	2,314,061	632,410	905,318	572,633
Railway tax accruals	41,151,010	53,475,018	48,934,683	60,148,564	59,888,539
Total railway operating expenses	1,171,338,574	1,203,530,146	1,132,277,504	1,166,306,724	1,109,470,426

TABLE 9. Operating Statistics, Year Ended December 31

	1956	1957	1958	1959	1960
Average first main track mileage	44,777	44,839	45,165	45,199	45,085
Locomotive miles:					
Steam:					
Freight	51,950,504	30,464,021	13,155,971	6,806,200	601,910
Passenger	22,172,066	15,306,104	8,477,994	2,842,106	393,283
Train switching	4,833,507	3,031,435	1,356,082	495,291	50,851
Yard switching	9,717,613	5,999,219	2,709,734	1,578,154	627,406
Total transportation service	88,673,690	54,800,779	25,699,781	11,721,751	1,673,450
Work train service	2,963,561	1,895,251	927,485	686,965	155,334
Diesel:					
Freight	41,774,251	51,347,032	58,670,214	63,662,881	64,342,704
Passenger	19,626,922	22,533,529	26,060,580	29,104,784	28,006,632
Train switching	2,211,081	3,066,719	3,705,693	3,461,220	3,620,775
Yard switching	21,426,100	23,306,161	24,484,346	25,911,225	25,972,344
Total transportation service	85,038,354	100,253,441	112,920,833	122,140,110	121,941,956
Work train service	1,029,437	1,648,744	2,396,410	2,985,114	2,352,258

TABLE 9. Operating Statistics, Year Ended December 31 - Continued

	1956	1957	1958	1959	1960
Locomotive miles - Concluded:					
Other:					
Freight	23,566	131,665	144,121	116,344	126,679
Passenger	181,834	167,751	133,731	158,361	136,769
Train switching	11,914	111,261	116,123	102,645	91,266
Yard switching	638,110	555,185	393,797	138,172	75,814
Total transportation service	855,424	965,862	787,772	515,522	430,528
Work train service	255	1,151	1,444	963	-
Total:					
Freight	93,748,321	81,942,718	71,970,306	70,585,425	65,071,293
Passenger	41,980,822	38,007,384	34,672,305	32,105,251	28,536,684
Train switching	7,056,502	6,209,415	5,177,898	4,059,156	3,762,393
Yard switching	31,781,823	29,860,565	27,587,877	27,627,551	26,675,584
Grand total transportation service	174,567,468	156,020,082	139,408,386	134,377,383	124,045,934
Grand total work train service	3,993,253	3,545,146	3,325,339	3,673,042	2,507,592
Train miles:					
Freight - Drawn by locomotive	87,088,493	77,991,848	68,655,553	68,351,068	63,887,230
Passenger - Drawn by locomotive	40,584,028	37,167,426	34,020,053	31,470,367	27,869,238
Drawn by motor unit car	3,198,596	4,462,528	6,525,670	6,741,943	6,623,714
Total	43,782,624	41,629,954	40,545,723	38,212,310	34,492,952
Total transportation service	130,871,117	119,621,802	109,201,276	106,563,378	98,380,182
Work train service	3,416,068	3,036,954	2,811,591	3,248,722	2,443,096
Freight car miles - Transportation service:					
In freight trains:					
Freight loaded	2,505,852,103	2,261,794,462	2,127,077,809	2,105,287,849	2,028,846,873
Freight empty	1,297,369,929	1,200,715,219	1,128,340,412	1,148,347,366	1,156,562,477
Caboose	87,452,585	77,586,464	69,089,769	68,531,468	64,414,510
Totals	3,890,694,617	3,540,096,145	3,324,507,990	3,322,166,683	3,249,823,860
In passenger trains - Transportation service	5,001,898	5,095,813	4,234,399	5,311,417	5,920,116
Total transportation service	3,895,696,515	3,545,191,958	3,328,742,389	3,327,478,100	3,255,743,976
Work train service	10,522,436	10,827,174	12,629,683	13,229,403	12,104,988
Passenger car miles - Transportation service:					
In passenger trains:					
Locomotive drawn:					
Motor unit car	98,843	91,536	118,746	116,650	139,162
Coach (including colonist)	92,209,267	86,344,575	78,777,596	75,984,243	71,624,451
Sleeping, parlour and observation	119,955,823	115,521,764	103,448,969	97,344,470	90,602,918
Dining	17,181,286	16,984,749	15,375,488	15,388,461	15,047,731
Express	87,711,539	86,390,587	80,375,634	80,479,871	70,753,773
Other head-end	71,176,791	68,137,224	66,300,568	61,065,423	55,468,406
Other	2,350,564	2,334,679	2,230,405	2,279,848	2,143,957
Totals	390,684,113	375,805,114	346,627,406	332,658,966	305,780,398
Motor unit car drawn:					
Motor unit	4,791,384	7,706,726	10,584,416	10,872,958	10,624,608
Coach (including colonist)	1,177,670	913,118	804,339	653,008	851,265
Sleeping, parlour and observation	-	-	-	-	-
Dining	-	-	-	-	-
Express	26,129	11,851	10,084	18,414	27,854
Other head-end	11,561	8,871	6,611	9,960	4,724
Other	2,631	-	15	-	156
Totals	6,009,375	8,640,566	11,405,465	11,554,340	11,508,807
Total drawn (locomotive and motor unit car):					
Motor unit car	4,890,227	7,798,262	10,703,162	10,989,608	10,763,970
Coach (including colonist)	93,386,937	87,257,693	79,581,935	76,637,251	72,475,716
Sleeping, parlour and observation	119,955,823	115,521,764	103,448,969	97,344,470	90,602,918
Dining	17,181,286	16,984,749	15,375,488	15,388,461	15,047,731
Express	87,737,668	86,402,438	80,385,718	80,498,285	70,781,627
Other head-end	71,188,352	68,146,095	66,307,179	61,075,383	55,473,130
Other	2,353,195	2,334,679	2,230,420	2,279,848	2,144,113
Totals	396,693,488	384,445,680	358,032,871	344,213,306	317,289,205
In freight trains - Transportation service	23,994,175	24,729,373	24,307,734	23,337,961	27,706,623
Total transportation service	420,687,663	409,175,053	382,340,605	367,551,267	344,995,828
Work train service	76,165	93,342	59,209	36,558	7,144

TABLE 9. Operating Statistics, Year Ended December 31 - Continued

	1956	1957	1958	1959	1960
Averages:					
Locomotive miles in transportation service per mile of road ..	3,899	3,480	3,087	2,973	2,751
Train miles in transportation service per mile of road	2,923	2,668	2,418	2,358	2,182
Loaded freight cars per freight train	28.77	29.00	30.98	30.80	31.76
Empty	14.90	15.40	16.43	16.80	18.10
Total freight train cars per freight train	44.68	45.39	48.42	48.60	50.87
Passenger train cars per passenger train drawn by locomotive ..	9.63	10.11	10.19	10.57	10.97
Passenger cars per passenger train drawn by locomotive	5.23	5.43	5.36	5.51	5.83
Freight traffic - Revenue freight (tons - 2,000 lb.):					
Originated on Canadian railways	156,518,082	143,349,331	129,238,306	140,504,572	133,854,651
Received from U.S. connections	33,090,190	30,694,830	24,203,450	25,590,577	24,607,483
Total tons originated	189,608,272	174,044,161	153,441,756	166,095,149	158,462,134
Interchanged between Canadian railways	24,469,563	22,846,795	20,758,175	20,107,417	20,374,634
Total tons	214,077,835	196,890,956	174,199,931	186,202,566	178,836,768
Tons carried one mile	'000 78,819,966	'000 71,047,229	'000 66,356,829	'000 67,956,540	'000 65,444,784
Tons originated per mile of road	4,234	3,882	3,397	3,675	3,515
Tons carried one mile (rail line) per mile of road	1,760,135	1,584,343	1,469,050	1,503,362	1,451,410
Average miles hauled per ton (revenue freight)	416	408	432	409	413
Freight traffic - Revenue and non-revenue freight (tons - 2,000 lb.):					
Tons carried	230,365,659	210,727,725	187,147,036	198,478,611	188,374,920
Tons carried one mile	'000 83,104,975	'000 74,452,460	'000 68,914,260	'000 70,259,613	'000 67,325,782
Tons per loaded car mile in transportation service (revenue and non-revenue)	33.12	32.86	32.35	33.31	33.11
Gross ton miles - Freight train cars	'000 174,840,163	'000 156,434,901	'000 146,138,505	'000 148,159,968	'000 146,062,923
- Passenger train cars	'000 28,789,247	'000 27,912,465	'000 25,823,179	'000 24,901,935	'000 22,801,891
- Totals	'000 203,629,409	'000 184,347,366	'000 171,961,684	'000 173,061,903	'000 168,864,815
Gross ton miles per freight train mile	2,008	2,006	2,129	2,168	2,286
Gross ton miles (transportation service) per mile of road	4,547,634	4,111,318	3,807,410	3,828,888	3,745,477
Train hours - Freight service	4,857,731	4,137,107	3,516,971	3,454,714	3,152,478
Passenger traffic:					
Passengers carried	26,070,766	22,965,974	21,376,438	20,939,928	19,497,233
Passengers carried one mile	'000 2,907,568	'000 2,925,133	'000 2,485,861	'000 2,445,654	'000 2,263,795
Passengers carried per mile of road	582	512	473	463	432
Passengers carried one mile per mile of road	64,934	65,236	55,040	54,109	50,212
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	12	13	13
Average passenger journey	111.5	127.4	116.3	116.8	116.1
Freight revenues - Rail line:					
Freight receipts	\$ 1,100,115,769	\$ 1,080,053,400	\$ 995,853,940	\$ 1,056,009,762	\$ 992,739,695
Switching receipts	\$ 10,844,024	\$ 9,652,416	\$ 8,536,836	\$ 8,203,102	\$ 7,728,402
Other freight train receipts and water transfers	\$ 884,191	\$ 935,070	\$ 1,043,008	\$ 1,756,263	\$ 1,733,109
Total freight revenues	\$ 1,121,843,984	\$ 1,090,640,886	\$ 1,005,433,784	\$ 1,067,969,127	\$ 1,002,201,206
Average freight revenue per mile of road	\$ 25,054	\$ 24,323	\$ 22,261	\$ 23,628	\$ 22,229
Average freight receipts per mile of road	\$ 24,792	\$ 24,087	\$ 22,049	\$ 23,408	\$ 22,019
Average freight receipts per freight train mile	\$ 12.75	\$ 13.85	\$ 14.51	\$ 15.48	\$ 15.54
Average freight receipts per loaded freight car mile in transportation service	¢ 44.24	¢ 47.67	¢ 46.74	¢ 50.16	¢ 48.82
Average freight receipts per ton originated	\$ 5.85	\$ 6.21	\$ 6.49	\$ 6.37	\$ 6.26
Average freight receipts per ton mile	¢ 1.409	¢ 1.520	¢ 1.501	¢ 1.557	¢ 1.517
Passenger revenues - Rail line:					
Passenger receipts	\$ 85,282,091	\$ 86,851,789	\$ 77,318,387	\$ 73,587,794	\$ 69,154,309
Sleeper, parlour and chair car receipts	\$ 11,954,093	\$ 11,893,425	\$ 10,434,058	\$ 10,766,016	\$ 10,227,842
Baggage	\$ 384,391	\$ 361,424	\$ 296,432	\$ 267,034	\$ 307,093
Mail	\$ 13,975,220	\$ 15,397,282	\$ 15,171,791	\$ 17,679,091	\$ 17,432,364
Express	\$ 26,137,537	\$ 22,408,506	\$ 22,348,264	\$ 23,069,446	\$ 21,779,676
Milk	\$ 533,262	\$ 451,171	\$ 336,291	\$ 258,384	\$ 193,769
Other passenger train revenue and water transfers	\$ 154,450	\$ 160,735	\$ 149,329	\$ 194,669	\$ 206,893
Total passenger train revenues	\$ 138,421,044	\$ 137,524,332	\$ 126,054,552	\$ 125,822,434	\$ 119,301,966
Average passenger train revenue per mile of road	\$ 3,091.34	\$ 3,067.07	\$ 2,790.10	\$ 2,783.74	\$ 2,646.16
Average passenger train revenue per passenger train mile	\$ 3.16	\$ 3.30	\$ 3.11	\$ 3.29	\$ 3.46
Average passenger train revenue per passenger train car in transportation service	¢ 32.90	¢ 33.61	¢ 32.97	¢ 34.23	¢ 34.58
Average passenger receipts per passenger per railway	\$ 3.27	\$ 3.78	\$ 3.62	\$ 3.51	\$ 3.53
Average passenger receipts per passenger mile	¢ 2.93	¢ 2.97	¢ 3.11	¢ 3.01	¢ 3.05
Average passenger receipts per passenger car in transportation service	¢ 37.56	¢ 39.66	¢ 38.45	¢ 38.45	¢ 38.52
Average sleeper, etc., receipts per sleeper, etc. car miles	¢ 9.9	¢ 10.2	¢ 10.0	¢ 11.03	¢ 11.26

TABLE 9. Operating Statistics, Year Ended December 31 — Concluded

	1956	1957	1958	1959	1960
Revenues — Water line:					
Freight	\$ 3,171,244	—	—	—	—
Passenger, baggage, mail, express	\$ 72,047	—	—	—	—
Other	\$ 33,865	—	—	—	—
Totals	\$ 3,277,156	—	—	—	—
Gross earnings from operation, rail and water:					
Freight, switching, rail and water	\$ 1,125,015,228	1,090,640,886	1,005,433,784	1,067,969,127	1,002,201,206
Passenger, rail and water	\$ 138,526,956	137,524,332	126,054,552	125,822,434	119,301,966
Other earnings from operation	\$ 37,081,739	34,982,712	32,247,081	30,776,367	30,152,284
Totals	\$ 1,300,623,923	1,263,147,930	1,163,735,417	1,224,567,928	1,151,635,456
Operating expenses	\$ 1,171,338,574	1,203,530,146	1,132,277,504	1,166,306,724	1,109,470,426
Net operating revenue	\$ 129,285,349	59,617,784	31,457,913	58,261,204	42,185,030
Operating ratio	\$ 90.06	95.28	97.30	95.24	96.34
Gross earnings per mile of road	\$ 29,047	28,171	25,766	27,093	25,544
Gross earnings per revenue train mile	\$ 9.94	10.56	10.66	11.49	11.71

TABLE 10. Taxes, Year Ended December 31

	1956	1957	1958	1959	1960
dollars					
Provincial and municipal:					
Newfoundland	10,072	9,889	8,329	25,350	31,073
Prince Edward Island	3,156	261	261	15,062	5,595
Nova Scotia	100,243	110,956	114,815	135,421	144,755
New Brunswick	197,631	227,944	263,456	477,771	516,399
Quebec	2,282,002	4,188,467	4,314,446	5,608,360	5,312,696
Ontario ¹	4,022,292	5,347,794	5,183,699	6,218,050	6,526,949
Manitoba	1,704,738	1,525,857	1,510,596	507,196	1,427,962
Saskatchewan	898,690	1,265,760	895,785	1,257,310	1,330,769
Alberta	805,410	887,183	893,782	1,059,085	1,070,398
British Columbia	1,738,459	1,956,971	2,851,967	2,208,256	2,426,545
Yukon	15,871	22,239	16,737	23,496	28,394
Income and excise tax	30,564,453	30,144,178	25,573,672	34,812,379	31,823,040
Unemployment insurance	4,846,939	4,689,916	4,293,569	4,550,421	5,909,725
Other special tax	78,712	105,140	132,788	161,013	116,285
Outside Canada	2,926,271	3,039,949	2,949,624	3,161,974	3,315,072
Totals	50,194,939	53,522,504	49,003,526	60,221,144	59,985,657
Taxes paid by railway bridge companies	39,965	41,680	27,202	43,303	14,423
" " " pullman company	—	—	—	—	—
Grand totals	50,234,904	53,564,184	49,030,728	60,264,447	60,000,080

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 11. Traffic Handled in Year Ended December 31

	1956	1957	1958	1959	1960
tons (2,000 lb.)					
Products of agriculture:					
Wheat	16,325,517	13,160,234	14,553,875	13,794,365	13,293,302
Corn	1,072,044	1,102,442	929,562	845,755	844,471
Sorghum grains	1	20,378	18,545	9,396	23,144
Oats	1,811,875	1,709,666	1,490,516	1,372,154	1,186,626
Barley	3,635,185	2,775,941	3,402,804	3,272,853	2,657,617
Rye	418,853	161,949	210,658	149,493	141,647
Rice	1	44,301	31,702	27,478	38,167
Grain, n.o.s.	176,761	44,871	35,799	26,194	47,354
Flour, wheat	1,428,791	1,449,408	1,629,846	1,689,048	1,639,965
Meal, corn	1	21,185	8,945	14,802	18,696

See footnotes at end of table.

TABLE 11. Traffic Handled in Year Ended December 31 - Continued

	1956	1957	1958	1959	1960
	tons (2,000 lb.)				
Products of agriculture - Concluded:					
Flour, edible, n.o.s.	1	179,202	121,176	88,181	84,410
Cereal food preparations, n.o.s.	210,483	245,592	224,103	227,547	256,594
Mill products, n.o.s.	3,894,092	1,611,246	1,533,200	1,377,744	1,299,575
Hay	96,101	75,159	65,558	51,784	65,271
Straw		4,161	2,719	8,017	7,900
Tobacco, unmanufactured	3	62,176	55,884	62,368	58,784
Tobacco siftings, sweepings and waste	3	1,889	724	2,397	2,479
Cotton in bales	180,654	120,061	105,418	114,070	117,837
Cotton linters, noils, and regins		39,425	36,313	38,777	36,140
Cottonseed	3	497	455	740	222
Cottonseed oil cake and meal	3	3,384	2,675	1,445	9,643
Cottonseed hulls and bran	3	1,073	501	641	1,418
Soybeans	1	113,733	109,196	84,584	51,165
Soybean oil cake and meal	3	725,497	615,175	610,674	551,795
Vegetable and nut oil cake and meal, n.o.s.	3	52,843	54,322	39,071	35,184
Apples, fresh, not frozen	119,921	114,388	143,819	91,371	91,286
Bananas, fresh	4	160,119	149,014	138,808	153,723
Berries, fresh, not frozen	4	1,947	2,542	2,421	2,620
Cantaloupes and melons, n.o.s.	4	22,638	22,261	23,173	59,098
Grapes, fresh	4	84,258	77,122	74,805	81,553
Lemons, limes, and citrus fruits, n.o.s.	288,866	28,301	13,529	16,825	20,535
Oranges and grapefruit		235,125	184,997	218,178	192,861
Peaches, fresh, not frozen	4	15,890	20,617	18,102	22,026
Pears, fresh, not frozen	4	24,604	21,645	23,747	20,563
Watermelons	4	24,483	25,196	23,547	29,348
Fruits, fresh, n.o.s., not frozen	4	25,271	30,902	30,612	31,336
Fruits, dried, dehydrated, and evaporated, n.o.s.	3	33,557	29,997	29,824	27,398
Fruits and berries, fresh, frozen	394,524	52,938	24,490	21,399	18,321
Coffee	3	64,376	60,425	69,908	84,384
Cabbage	3	24,175	24,160	26,483	28,923
Celery	3	52,568	40,524	42,883	38,994
Lettuce	3	103,734	79,980	79,142	78,571
Onions, dry	3	42,356	43,778	38,995	39,475
Potatoes, other than sweet	826,805	711,248	805,168	745,537	710,573
Tomatoes	3	82,468	71,952	73,083	77,518
Vegetables, fresh, n.o.s., not frozen	3	183,964	156,824	136,464	153,832
Beans and peas, dried	3	168,795	100,313	112,708	91,322
Vegetables, dried, dehydrated, and evaporated, n.o.s.	3	3,748	3,688	3,398	4,066
Vegetables, fresh, frozen	554,352	45,568	38,367	28,836	28,179
Peanuts	3	20,330	11,763	11,336	12,036
Sugar beets	489,650	503,166	528,386	744,565	689,596
Malt, n.o.s.	3	388,778	342,160	371,223	367,653
Flaxseed	708,969	986,951	551,963	575,003	540,562
Seeds, n.o.s.	3	333,470	374,390	214,357	406,221
Products of agriculture, n.o.s.	2,137,519	110,690	89,572	92,379	94,480
Totals	34,770,962	28,376,417	29,309,235	27,988,690	26,666,459
Animals and products:					
Horses, mules, ponies and asses	6	19,215	18,297	13,417	11,865
Cattle and calves, single-deck	385,585	444,412	390,399	284,677	261,878
Calves, double-deck		3,196	2,942	1,392	1,331
Sheep and goats, single-deck	6	15,352	12,208	8,104	6,042
Sheep and goats, double-deck	6	2,958	2,246	7,006	10,280
Swine, single-deck	210,893	153,157	170,985	179,194	115,703
Swine, double-deck		16,221	7,863	13,332	22,399
Meats, fresh, n.o.s.	521,084	453,218	341,359	369,193	515,420
Meats, cooked, cured, dried, and smoked		55,238	44,177	43,000	46,483
Packing house products, edible, n.o.s.	177,424	121,745	102,939	119,551	201,008
Margarine, n.o.s.	7	15,106	17,813	19,255	18,609
Poultry, live	55,527 ^o	474	165	267	736
Poultry, dressed and frozen	9	36,268	27,963	31,588	28,636

See footnotes at end of table.

TABLE 11. Traffic Handled in Year Ended December 31 - Continued

	1956	1957	1958	1959	1960
	tons (2,000 lb.)				
Animals and products - Concluded:					
Eggs		8,937	9,751	6,202	5,414
Butter	156,251	61,118	51,665	57,776	54,931
Cheese		66,006	43,776	47,344	54,919
Dairy products, n.o.s. ¹⁰		1,641	817	1,739	2,899
Wool and mohair in grease	54,376	29,368	24,224	34,084	25,802
Wool and mohair, n.o.s.		13,189	11,808	11,901	12,205
Hides, skins, and pelts, n.o.s.	161,242	176,677	140,852	119,909	123,089
Leather, n.o.s. ¹⁰		10,199	7,847	4,246	2,839
Sea food, n.o.s.	92,780	72,626	67,178	54,554	52,223
Fish and sea animal oil	¹⁰	42,320	34,395	24,508	19,115
Animals and products, n.o.s.	270,042	121,311	103,209	119,149	101,625
Totals	2,085,204	1,939,952	1,634,878	1,571,388	1,695,451
Products of mines:					
Anthracite coal, n.o.s.	2,976,996	2,015,949	1,615,208	1,555,670	1,377,962
Anthracite coal to breakers and washeries		113,417	193	104	142
Bituminous coal	15,875,557	14,657,576	12,854,100	11,949,461	11,259,474
Coke	2,059,478	2,107,206	1,585,402	1,581,553	1,582,395
Iron ore	19,935,587	19,708,408	13,573,784	22,313,720	18,688,634
Aluminum ore and concentrates	2,958,920	2,701,634	2,475,750	2,678,959	2,930,538
Copper ore and concentrates	2,288,515	959,726	461,096	461,025	653,964
Copper-nickel (nickel) ore and concentrates	2,521,748	3,320,720	2,411,503	3,006,697	3,009,773
Lead ore and concentrates	¹¹	269,167	213,766	212,683	299,652
Zinc ore and concentrates	¹¹	738,008	715,509	676,516	641,965
Ores and concentrates, n.o.s.	3,191,193	1,569,036	1,435,749	1,491,191	2,162,310
Barytes	¹²	45,745	33,945	61,300	48,305
Clay and bentonite	¹²	436,499	368,198	423,382	390,868
Sand, industrial	¹²	841,219	728,465	778,562	715,965
Gravel and sand, n.o.s.	6,375,001	5,863,111	6,268,653	5,664,251	5,592,658
Stone and rock: broken, ground, and crushed	4,372,832	7,777,451	7,017,430	6,694,809	5,952,700
Fluxing stone and raw dolomite	¹³	301,668	362,416	420,989	261,907
Stone, rough, n.o.s.	127,468	113,953	99,761	83,223	56,266
Stone, finished, n.o.s.		36,015	29,941	25,211	27,382
Petroleum, crude	1,390,515	771,845	660,020	683,745	633,632
Asphalt	593,189	465,183	476,373	434,834	382,186
Salt	1,148,924	1,065,401	995,527	1,125,429	1,167,670
Phosphate rock	¹²	682,337	600,779	578,922	668,903
Sulphur	227,183	352,933	302,155	259,032	406,308
Asbestos, not further processed than milled	897,417	1,016,392	900,404	993,863	1,067,202
Gypsum, crude	3,714,421	3,394,968	1,924,907	4,631,854	3,431,907
Products of mines, n.o.s.	7,741,741	1,997,328	1,784,890	2,191,449	2,130,527
Totals	78,396,685	73,322,895	59,895,924	71,178,434	65,541,195
Products of forests:					
Logs, butts, and bolts	2,228,379	1,488,999	1,493,119	1,649,650	2,070,962
Posts, poles, and piling, wooden		585,996	394,232	407,745	413,744
Wood fuel	73,266	45,736	31,007	27,651	16,077
Ties, railroad	¹³	118,376	59,139	48,397	104,847
Pulpwood	7,172,754	6,544,706	4,731,075	4,121,483	4,794,373
Lumber, shingles, and lath	8,353,301	6,739,323	6,749,095	7,230,133	6,361,573
Box, crate, and cooperage materials		57,719	53,326	52,101	50,166
Veneer, plywood, and built-up wood	754,098	644,128	720,563	796,102	735,936
Rosin and turpentine	¹⁴	25,536	26,935	25,507	21,450
Products of forests, n.o.s.	376,247	395,441	298,426	377,349	388,069
Totals	18,958,045	16,645,960	14,556,917	14,736,118	14,960,197
Manufactures and miscellaneous:					
Gasoline	4,219,667	4,188,529	3,951,838	3,758,267	3,534,790
Fuel, road, and petroleum residual oils, n.o.s.	3,527,492	3,429,061	3,390,436	3,493,058	3,326,756
Lubricating oils and greases	1,610,189	364,243	338,506	387,239	351,257
Petroleum products, refined, n.o.s.		808,810	721,745	686,466	638,562

See footnotes at end of table.

TABLE 11. Traffic Handled in Year Ended December 31 - Continued

	1956	1957	1958	1959	1960
	tons (2,000 lb.)				
Manufactures and miscellaneous - Continued:					
Gases, other than petroleum n.o.s.	15	329, 147	289, 294	372, 983	404, 819
Cottonseed oil	16	19, 067	18, 209	22, 979	25, 744
Linseed oil	16	24, 046	18, 748	20, 369	17, 799
Soybean oil	16	114, 231	120, 363	126, 058	114, 413
Vegetable and nut oils, n.o.s.	16	97, 281	96, 324	90, 338	71, 387
Oils, n.o.s.	16	17, 098	12, 283	10, 340	15, 032
Oil foots, sediment, and tank bottoms	16	7, 280	9, 609	13, 658	11, 739
Rubber, crude, natural, and synthetic	236, 655	250, 453	213, 950	238, 992	217, 871
Rubber goods, n.o.s.	16	20, 616	13, 556	11, 004	13, 260
Chemicals, n.o.s.		1, 115, 469	915, 975	960, 434	970, 282
Sulphuric acid		101, 905	142, 704	97, 955	79, 965
Acids, n.o.s.	2, 538, 116	98, 091	96, 343	86, 578	104, 740
Sodium (soda) products		916, 136	940, 890	987, 816	1, 098, 227
Alcohol, n.o.s.		46, 010	48, 588	62, 161	57, 807
Blacks, n.o.s.	16	55, 177	40, 084	47, 995	37, 748
Fertilizers, n.o.s.	1, 977, 645	1, 986, 451	2, 085, 949	2, 026, 396	2, 126, 095
Insecticides and fungicides, n.o.s.	16	29, 006	19, 244	18, 911	22, 309
Tar, pitch, and creosote	17	276, 813	239, 690	220, 690	188, 178
Tanning material, n.o.s.	16	7, 662	6, 992	6, 834	3, 624
Paint, paint material, putty, and varnish	16	136, 832	121, 235	110, 514	111, 237
Plastics	16	61, 358	62, 278	77, 371	101, 043
Cellulose articles, n.o.s.	16	5, 023	5, 840	4, 880	7, 793
Drugs, medicines, and toilet preparations	16	27, 163	28, 872	25, 922	25, 401
Aluminum: bar, ingot, pig, and slab	613, 766	454, 353	446, 917	351, 552	390, 892
Aluminum, n.o.s.	16	78, 759	66, 714	58, 843	76, 512
Copper: Ingots, and pig	524, 345	343, 799	415, 535	485, 314	547, 524
Copper, brass, and bronze, n.o.s.	16	263, 846	264, 157	250, 143	291, 392
Lead and zinc: bar, ingot, and pig	18	446, 697	433, 890	427, 724	432, 606
Lead and zinc, n.o.s.	18	16, 777	6, 316	6, 615	4, 374
Magnesium metal and alloy	18	9, 367	4, 922	12, 391	11, 898
Alloys for steel manufacture	18	200, 403	108, 736	141, 312	147, 277
Matte	312, 549	332, 183	213, 358	308, 320	326, 530
Metals and alloys, n.o.s.	791, 905	95, 589	85, 702	55, 920	71, 206
Iron, pig		488, 883	235, 197	292, 742	185, 334
Iron and steel: billet, bloom, and ingot	1, 255, 254	445, 612	263, 927	490, 940	439, 018
Iron and steel: bar, rod, and slab		677, 605	500, 097	453, 975	411, 593
Iron and steel, n.o.s.	16	37, 658	28, 315	57, 318	104, 027
Iron and steel nails and wire (woven and not woven) n.o.s.	16	165, 003	131, 169	126, 732	100, 675
Manufactured iron and steel		2, 903, 175	1, 978, 248	2, 551, 179	2, 446, 212
Cast iron pipe and fittings	4, 235, 100	32, 664	25, 828	26, 323	20, 490
Iron and steel pipe and fittings, n.o.s.		1, 036, 392	669, 098	419, 144	484, 215
Tanks, n.o.s.	16	47, 680	27, 217	28, 469	31, 876
Agricultural implements, n.o.s.		206, 027	221, 925	265, 866	235, 245
Agricultural implement parts, n.o.s.	326, 577	23, 158	16, 157	20, 006	15, 420
Machinery and machines, n.o.s.		634, 408	478, 748	456, 363	434, 324
Machinery parts	826, 203	141, 735	105, 147	103, 996	97, 907
Business and office machines, n.o.s.	16	1, 873	1, 358	1, 292	1, 594
Railway equipment moved on own wheels	16	66, 192	45, 338	32, 854	46, 021
Railway equipment, S.U. not moved on own wheels	16	10, 440	3, 405	7, 949	4, 215
Railway equipment parts	16	104, 565	45, 191	56, 441	50, 387
Rails and railway track material, Iron and steel	252, 017	289, 336	206, 961	180, 395	135, 313
Vehicles, other than motor	16	21, 670	41, 412	18, 712	16, 501
Automobiles, passenger		395, 508	298, 297	346, 606	407, 635
Automobiles, freight	2, 428, 709	72, 316	39, 080	52, 552	54, 432
Vehicles, motor, n.o.s.	19	257, 517	192, 538	177, 592	135, 105
Military vehicles, n.o.s.	16	11, 346	6, 454	7, 075	3, 315
Automobiles and autotrucks, K.D.	20	102, 477	38, 514	26, 398	40, 605
Vehicle parts, n.o.s.	20	1, 561, 771	1, 142, 338	1, 383, 550	1, 493, 782
Airplanes, aircraft, and parts	20	9, 278	9, 147	4, 528	3, 987
Tires and tubes, rubber	16	99, 252	90, 349	109, 150	98, 624
Guns, small arms, and parts, n.o.s.	16	3, 923	3, 183	4, 240	4, 757

See footnotes at end of table.

TABLE 11. Traffic Handled in Year Ended December 31 - Continued

	1956	1957	1958	1959	1960
	tons (2,000 lb.)				
Manufactures and miscellaneous - Continued:					
Ammunition and explosives	16	125,753	97,375	103,775	82,622
Cement: natural and portland	2,620,710	2,090,040	1,762,716	1,471,829	1,212,139
Cement, n.o.s.	16	110,876	48,026	69,989	115,189
Brick, common	843,200	22,568	39,612	24,437	23,210
Brick, n.o.s. and building tile		346,799	296,059	334,977	327,365
Refractories	693,708	319,972	207,762	274,863	296,441
Artificial stone, n.o.s.		25,702	27,699	36,446	37,219
Lime, n.o.s.	106,099	381,424	548,948	623,993	510,532
Plaster: stucco and wall		142,218	175,643	150,282	108,653
Sewer pipe and drain tile (not metal)	106,099	70,323	76,979	61,074	47,350
Broken or ground brick, blocks, crockery, and glass	16	23,444	13,607	11,539	15,756
Woodpulp	2,659,767	2,479,597	2,312,458	2,547,531	2,518,188
Scrap paper and rags	353,825	312,210	279,062	300,045	259,464
Newsprint paper	4,578,441	4,573,228	4,115,818	4,256,951	4,236,852
Printing paper, n.o.s.	985,476	627,325	600,519	678,469	744,351
Wrapping paper		237,480	232,471	230,955	218,065
Paper bags	386,752	77,275	63,176	64,532	64,127
Paper and paper articles, n.o.s.		345,640	346,286	330,852	349,652
Printed matter, n.o.s.	16	32,303	28,424	46,338	39,758
Paperboard, fibreboard, and pulpboard	1,204,184	632,183	616,000	627,458	604,726
Wallboard		409,913	449,840	448,931	380,414
Building paper and prepared roofing materials	426,263	200,178	230,995	199,850	173,955
Insulating materials, n.o.s.		139,105	130,094	142,586	114,232
Building woodwork and millwork	16	61,161	54,992	61,880	50,743
Building materials, n.o.s.	16	30,992	26,413	21,772	20,367
Buildings and houses, fabricated and portable, n.o.s.	16	10,248	11,743	9,913	8,406
Asbestos articles, n.o.s.	16	5,303	2,696	6,701	4,846
Electrical equipment and parts, n.o.s.	16	173,128	137,962	125,370	118,527
Furnaces, heaters, radiators, and parts	16	43,992	40,936	39,789	34,911
Bathroom and lavatory fixtures and sinks	16	31,424	26,577	27,273	21,375
Hardware, n.o.s.	16	28,291	23,741	24,149	21,271
Glass	319,313	70,700	70,165	86,558	76,915
Glassware, n.o.s.		54,148	47,465	41,942	47,495
Glass bottles, jars, and packing glasses, n.o.s.	11,812	136,810	132,629	134,479	138,705
Chinaware, crockery and earthenware		11,812	9,392	11,746	8,611
Woodenware	16	32,730	24,013	24,433	26,320
Household utensils, n.o.s.	16	7,190	4,713	8,355	9,160
Refrigerators, freezing apparatus, and parts	16	79,498	73,945	86,463	76,411
Laundry equipment	16	40,527	42,068	51,341	41,878
Stoves, ranges and parts	16	31,383	25,532	30,233	25,993
Floor covering	16	55,134	52,045	48,278	28,891
Furniture, n.o.s.	108,881	94,926	77,002	78,175	71,789
Furniture parts		3,893	2,892	4,779	5,319
Tools and parts, n.o.s.	16	8,009	4,382	4,808	5,106
Abrasives, other than crude	16	38,379	32,394	26,420	19,679
Bagging: burlap, cotton, gunny, and jute, n.o.s.	16	17,475	17,188	16,562	22,626
Bags: burlap, cotton, gunny, and jute, n.o.s.	16	8,285	6,044	6,989	8,079
Cotton cloth and cotton fabrics, n.o.s.	16	17,412	21,481	22,775	23,499
Cotton factory products	16	30,021	20,783	21,112	20,168
Synthetic fibre and yarns (rayon and nylon)	16	7,018	5,158	7,621	8,248
Cloth and fabrics, n.o.s.	16	14,630	10,901	10,617	4,854
Rope, cordage, and binder twine, n.o.s.	16	43,284	34,331	33,880	29,112
Boots, shoes, and findings, n.o.s.	16	13,219	9,069	11,086	11,827
Luggage and handbags, n.o.s.	16	1,115	806	676	957
Athletic, gymnasium, playground, and sporting equipment, n.o.s.	16	4,413	2,253	3,217	4,533
Games and toys	16	7,792	6,885	7,497	7,672
Liquors, alcoholic, n.o.s.	811,342	132,586	118,300	116,759	108,477
Wine		56,275	53,103	43,053	43,570
Liquors, malt		546,377	474,255	520,828	563,381
Beverages, n.o.s.		9,196	10,745	11,281	16,513

See footnotes at end of table.

TABLE 11. Traffic Handled in Year Ended December 31 — Concluded

	1956	1957	1958	1959	1960
	tons (2,000 lb.)				
Manufactures and miscellaneous — Concluded:					
Ice	¹⁶	20,467	13,789	10,442	7,715
Syrup and molasses, refined	²¹	144,742	141,104	130,920	123,622
Molasses, residual	²¹	53,599	63,045	84,414	90,902
Sugar	489,698	450,568	495,748	534,144	576,991
Candy and confectionery	¹⁶	90,069	83,469	81,522	84,110
Food products, n.o.s., in cans and packages, not frozen	1,511,230	1,424,459	1,474,708	1,419,692	1,440,969
Food products, n.o.s. frozen	²¹	49,687	40,664	47,875	43,209
Starch	¹⁶	125,541	101,221	104,186	94,957
Soap and cleaning and washing compounds	¹⁶	160,325	161,981	163,823	163,153
Matches	¹⁶	7,338	4,542	3,195	2,490
Feed, animal and poultry, n.o.s.	¹⁶	1,682,704	1,673,102	1,538,891	1,364,632
Manufactured tobacco, n.o.s.	¹⁶	10,094	8,537	9,317	8,820
Cigarettes	¹⁶	26,383	39,100	43,827	38,136
Containers, metal	¹⁶	175,183	171,967	172,491	166,830
Containers, wooden	¹⁶	19,609	17,553	21,452	25,343
Containers, fibreboard and paperboard, K.D.	¹⁶	86,071	82,748	87,770	80,328
Containers, n.o.s.	¹⁶	66,897	53,832	51,686	51,465
Containers, returned empty	¹⁶	261,309	226,429	246,043	250,148
Scrap iron and scrap steel		1,149,816	808,408	1,268,048	1,128,166
Iron and steel borings, turnings, etc.	1,999,799	66,052	34,521	50,728	53,197
Furnace slag		51,155	43,300	63,762	76,783
Waste materials for remelting, n.o.s.		314,306	234,561	310,861	316,345
Waste materials, n.o.s.	¹⁶	196,632	164,172	163,028	170,542
Manufactures and miscellaneous, n.o.s.	7,338,176	2,750,497	3,141,472	3,957,585	4,229,786
Total manufactures and miscellaneous	53,113,053	51,690,052	46,534,971	49,162,943	48,285,917
Grand totals, carload traffic	187,323,949	171,975,276	151,931,925	164,637,573	157,149,219
All L.C.L. freight	2,284,323	2,068,885	1,509,831	1,457,576	1,312,915
Grand totals, carload and L.C.L. traffic	169,608,272	174,044,161	153,441,756	166,095,149	158,462,134

- ¹ Included with "Grain n.o.s."
² Included with "Mill products, n.o.s."
³ Included with "Products of agriculture, n.o.s."
⁴ Included with "Fruits and berries, fresh, frozen."
⁵ Included with "Vegetables, fresh, frozen."
⁶ Included with "Poultry, live."
⁷ Included with "Packing house products, edible, n.o.s."
⁸ Includes animals, n.o.s.
⁹ Included with "Meats, cooked, cured, dried, smoked and fresh, n.o.s."
¹⁰ Included with "Animals and products, n.o.s."
¹¹ Included with "Ores and concentrates, n.o.s."
¹² Included with "Products of mines, n.o.s."
¹³ Included with "Logs, posts, poles and piling etc."
¹⁴ Included with "Products of forests, n.o.s."
¹⁵ Included with "Chemicals and acids, n.o.s."
¹⁶ Included with "Manufactures and miscellaneous n.o.s."
¹⁷ Included with "Petroleum products, refined, n.o.s."
¹⁸ Included with "Metals and alloys, n.o.s."
¹⁹ Included with "Machines, machinery and parts, n.o.s."
²⁰ Included with "Automobiles, passenger and freight, n.o.s."
²¹ Included with "Food products, n.o.s. in cans and packages not frozen."

TABLE 12. Freight Cars in Service on December 31¹

	Number	Capacity	
		Total	Average
		tons (2,000 lb.)	
Automobile:			
1956	6,370	267,890	42.055
1957	6,733	298,430	44.323
1958	6,722	297,980	44.329
1959	7,270	324,390	44.620
1960	7,249	323,480	44.624
Ballast:			
1956	2,156	113,405	52.600
1957	2,646	150,595	56.914
1958	2,708	155,305	57.350
1959	3,140	185,315	59.018
1960	3,128	184,575	59.007

See footnote at end of table.

TABLE 12. Freight Cars in Service on December 31¹ - Concluded

	Number	Capacity	
		Total	Average
tons (2,000 lb.)			
Box:			
1956	118,353	5,454,477	46.087
1957	121,346	5,630,010	46.396
1958	117,604	5,480,130	46.598
1959	114,181	5,343,735	46.801
1960	111,217	5,224,718	46.978
Flat:			
1956	11,876	543,966	45.804
1957	11,975	552,174	46.111
1958	12,058	564,019	46.776
1959	12,270	576,114	46.953
1960	12,645	606,611	47.972
Gondola:			
1956	19,052	1,233,350	64.736
1957	19,904	1,298,734	65.250
1958	20,522	1,345,802	65.579
1959	20,428	1,341,115	65.651
1960	20,310	1,334,443	65.704
Hopper:			
1956	12,870	839,730	65.247
1957	13,788	906,850	65.771
1958	15,493	1,029,895	66.475
1959	15,601	1,039,805	66.650
1960	15,578	1,041,790	66.876
Ore:			
1956	5,465	437,645	80.081
1957	5,967	477,520	80.027
1958	6,004	477,745	79.571
1959	5,964	474,730	79.599
1960	5,930	473,261	79.808
Refrigerator:			
1956	9,906	430,835	43.492
1957	10,022	437,700	43.674
1958	10,184	445,740	43.769
1959	10,155	447,475	44.065
1960	10,076	449,260	44.587
Stock:			
1956	5,501	189,245	34.402
1957	5,141	176,055	34.245
1958	5,195	182,210	35.074
1959	5,025	178,860	35.594
1960	4,917	178,655	36.334
Tank:			
1956	389	19,060	48.997
1957	384	18,880	49.167
1958	382	18,780	49.162
1959	455	22,470	49.385
1960	472	23,360	49.492
Other:			
1956	16	940	58.750
1957	1	70	70.000
1958	21	670	31.905
1959	23	810	35.217
1960	31	1,050	33.871
Totals:			
1956	191,974 ²	9,530,543	49,645
1957	197,907	9,947,018	50,261
1958	196,893	9,998,276	50,780
1959	194,512	9,934,819	51,076
1960	191,553	9,841,203	51,376

¹ Excludes privately-owned railway cars.² Includes 20 cars not specified as to type.

TABLE 13. Passenger Cars in Service on December 31

	1956	1957	1958	1959	1960
Self-propelled passenger train cars	90	129	139	128	111
Coach	1,799	1,597	1,486	1,409	1,342
Combination passenger	340	343	328	182	172
Colonist	178	136	124	96	88
Dining	186	183	174	159	149
Parlour	173	167	162	143	137
Sleeping	925	879	900	919	861
Baggage, express and postal	2,404	2,398	2,336	2,353	2,218
Other	112	110	84	67	41
Totals¹	6,220²	5,942	5,733	5,456	5,119
Cars in company service:					
Caboose	3,283	3,312	3,225	3,148	3,051
All other	16,106	16,274	16,322	16,273	16,114
Totals	19,389	19,586	19,547	19,421	19,165
Cars leased (included in above)	3,554	4,379	5,190	5,012	4,417

¹ Includes Pullman Co. Cars in Canadian service.² Includes 13 cars not specified as to type.

TABLE 14. Locomotives in Service on December 31

	1956	1957	1958	1959	1960
	number				
Locomotives:					
Steam:					
Coal burning	2,228	1,857	1,483	1,143	335
Oil burning	621	537	477	371	68
Diesel electric:					
"A" units	385	414	401	449	447
"B" units	144	161	175	180	184
Road switcher units	850	1,194	1,570	1,802	1,952
Yard switcher units	516	603	653	724	725
Electric	46	55	64	51	41
Totals	4,790	4,821	4,823	4,720	3,752
Leased (included in above)	35	43	135	128	36
Tractive power, average pounds per locomotive	49,236	50,768	52,095	53,368	55,791

TABLE 15. Fuel Consumed by Motive Power at December 31

	1956	1957	1958	1959	1960
Locomotives					
Consumption:					
Bituminous coal	ton 5,587,297	3,322,147	1,393,823	554,260	76,485
Fuel oil	gal. 231,192,474	155,590,345	91,021,295	64,136,202	7,258,458
Diesel oil	" 211,938,153	260,944,237	295,461,518	331,644,445	340,891,926
Gasoline	—	—	—	—	—
Cost:					
Bituminous coal	\$ 52,060,431	33,148,990	14,231,574	5,825,692	810,998
Fuel oil	\$ 13,642,421	9,425,022	4,107,486	2,792,234	354,489
Diesel oil	\$ 29,135,542	36,706,285	40,265,144	45,582,540	45,163,403
Gasoline	—	—	—	—	—
Average cost per ton or gal.					
Bituminous coal	\$ 9.32	9.98	10.21	10.51	10.60
Fuel oil	¢ 5.90	6.06	4.51	4.35	4.88
Diesel oil	¢ 13.75	14.07	13.63	13.74	13.25
Gasoline	—	—	—	—	—
Rail Motor Cars, etc.					
Consumption:					
Fuel oil	gal. —	—	—	—	—
Diesel oil	gal. 1,485,688	2,882,997	4,068,693	4,465,484	4,758,567
Gasoline	" 98,724	105,937	82,625	32,102	28,146
Total cost	\$ 230,855	439,899	549,928	614,833	660,398

TABLE 16. Consumption of Fuel for Purposes Other than Locomotive Fuel in Year Ended December 31

	1956	1957	1958	1959	1960
Anthracite	15,778	10,665	9,570	14,206	9,676
Bituminous	642,651	479,210	386,635	377,565	300,638
Sub-bituminous	—	—	—	—	19,275
Lignite	342,902	290,240	248,771	255,256	250,553
Fuel oil	36,372,206	36,812,519	36,271,974	37,941,658	39,110,742
Diesel oil	6,475,890	6,884,040	7,302,408	6,790,643	7,698,115
Gasoline	3,041,456	2,750,397	2,597,286	2,716,579	2,267,597
Gas	99,362,598	1,172,952,706	1,191,673,446	1,168,492,863	837,958,806

TABLE 17. Rails Laid in Track in Year Ended December 31

	1956	1957	1958	1959	1960
	tons (2,000 lb.)				
In previously constructed track:					
New open hearth	225,213	233,146	227,148	194,204	177,999
Relay	193,877	207,425	183,973	190,848	152,743
Other	2,544	4,446	1,757	247	172
Totals	421,634	445,017	412,878	385,299	330,914
In new track and extensions:					
New open hearth	10,873	19,299	21,758	3,302	2,013
Relay	44,460	35,630	43,816	26,287	24,365
Other	217	535	26	79	111
Totals	55,550	55,464	65,600	29,668	26,489

TABLE 18. Total Switch and Bridge Ties Placed in Track, Year Ended December 31

	1956	1957	1958	1959	1960
Treated—M bd. feet	No. 7,495	12,697	12,218	10,440	10,368
Average cost	\$ 116.49	120.75	120.32	116.22	124.33
Untreated—M bd. feet	No. 5,491	4,107	2,883	1,956	539
Average cost	\$ 109.03	105.19	97.06	108.07	94.35
Totals—M bd. feet	No. 12,986	16,804	15,101	12,396	11,037
Average cost	\$ 113.33	116.95	115.88	114.93	121.40

TABLE 19. Cross-Ties Purchased, Year Ended December 31

	1956	1957	1958	1959	1960
	number				
Hardwood:					
Beech	194,547	281,386	317,402	250,961	135,446
Birch	396,770	573,781	567,207	420,018	250,865
Maple	604,651	836,120	768,480	524,381	295,007
Oak	75,088	327,421	61,483	62,252	311,590
Other hardwood	47,116	43,043	34,776	29,583	27,456
Totals	1,318,172	2,061,751	1,749,348	1,287,195	1,020,364
Softwood:					
Cedar	14,105	6,221	8,217	6,793	8,114
Fir	1,005,856	1,579,167	531,305	328,956	329,645
Hemlock	288,643	604,132	191,350	84,336	57,198
Pine	3,962,087	5,976,686	3,679,659	2,792,759	2,542,754
Tamarack	11,930	18,968	4,062	1,004	—
Other softwood	41,182	85,378	43,317	26,618	5,582
Totals	5,323,803	8,270,552	4,474,058	3,240,466	2,943,293

TABLE 20. Cross-Ties Placed in Track, Year Ended December 31

	1956	1957	1958	1959	1960
In previously constructed track:					
Treated ties	No. 5,622,856	5,606,632	5,455,969	4,518,536	3,745,360
Untreated ties	" 352,231	424,447	320,408	216,840	153,894
Totals	" 5,975,087	6,031,079	5,776,377	4,735,376	3,899,254
In new track and extensions:					
Treated ties	" 505,138	537,199	454,206	573,715	408,757
Untreated ties	" 186,756	472,470	695,506	21,439	19,277
Totals	" 691,894	1,009,669	1,149,712	595,154	428,034
Average cost:					
Treated ties	\$ 3.14	3.09	3.02	3.08	3.00
Untreated ties	\$ 2.09	1.86	1.68	1.84	1.76

TABLE 21. Persons Injured in Train and Non-Train Accidents and Dying after Twenty-four Hours, Year Ended December 31

	1956	1957	1958	1959	1960
	number				
Trainmen	2	1	2	1	—
Switchtenders, watchmen, etc.	—	—	—	—	—
Stationmen	—	—	—	—	—
Shopmen	4	1	2	—	—
Trackmen	2	1	2	3	1
Telegraph employees	—	—	—	—	—
Other employees	—	—	—	1	—
Passengers	—	—	—	2	—
Postal-Express—Pullman employees ..	—	—	—	—	—
Trespassers	1	—	—	—	1
Other persons	14	14	3	6	7
Totals	23	17	9	13	9

TABLE 22. Time Lost by Employees through Injuries Incurred in Train and Non-train Accidents, Year Ended December 31

		Class of accident	1956	1957	1958	1959	1960
Trainmen	Number	Train	1,184	936	728	754	619
	"	Non-train	114	148	126	104	81
	Days absent		51,933	33,462	30,818	31,536	27,543
Switchtenders, watchmen, etc.	Number	Train	195	138	109	127	112
	"	Non-train	35	37	28	30	27
	Days absent		8,023	7,564	5,324	5,302	5,540
Stationmen	Number	Train	12	11	4	5	6
	"	Non-train	362	272	256	239	215
	Days absent		9,802	7,942	8,294	7,141	7,087
Shopmen	Number	Train	42	35	26	16	8
	"	Non-train	1,117	1,016	764	739	545
	Days absent		29,965	25,549	23,313	22,941	16,149
Trackmen	Number	Train	109	121	80	76	58
	"	Non-train	807	919	836	760	668
	Days absent		41,652	35,394	35,390	35,950	36,198
Telegraph employees	Number	Train	7	12	10	5	3
	"	Non-train	102	121	129	119	101
	Days absent		4,044	3,457	4,010	3,542	2,654
Other employees	Number	Train	88	95	59	109	89
	"	Non-train	204	221	160	173	151
	Days absent		5,992	6,915	4,961	6,747	7,543
Totals	Number	Train	1,637	1,348	1,016	1,092	895
	"	Non-train	2,741	2,734	2,299	2,164	1,788
	Days absent		151,411	120,283	112,110	113,159	102,714

TABLE 23. Accidents Resulting from the Movement of Trains, Year Ended December 31

Causes	1956	1957	number		
			1958	1959	1960
Coupling and uncoupling	88	68	50	54	49
Collisions - Between:					
Railway rolling stock	68	59	36	48	29
Trains or locomotives and motor vehicles or horse-drawn vehicles:					
At highway crossings	449	371	310	424	369
At other points	50	51	40	57	53
Track cars or hand cars and motor vehicles or horse-drawn vehicles:					
At highway crossings	11	10	8	16	6
At other points	6	3	2	6	2
Pedestrians struck by trains or locomotives, cars or hand cars, etc.:					
At highway crossings	23	22	13	19	23
At other points	173	161	137	127	123
Derailments	76	61	84	71	71
Locomotives or cars breaking down	-	2	1	18	10
Getting on or off trains	398	348	271	255	222
Falling from trains, locomotives or cars	134	92	97	92	61
Striking overhead or other obstructions	34	31	12	28	24
Other causes	907	737	592	602	524
Totals	2,417	2,016	1,653	1,817	1,568

TABLE 24. Passengers and Employees Killed and Injured in Train Accidents - By Cause, Year Ended December 31

Causes	1956	1957	1958	1959	1960
Passengers					
Coupling and uncoupling	-	-	-	-	-
Collisions - Between:					
Railway rolling stock	2	-	-	2	1
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	-	-	-	5	-
At other points	-	-	-	-	-
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	-	-	-	-	-
At other points	1	-	-	-	-
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	-	-	-	-	-
At other points	-	-	-	-	-
Derailments	-	-	-	2	-
Locomotives or cars breaking down	-	-	-	-	-
Getting on or off trains	2	-	-	-	-
Falling from trains, locomotives or cars	-	2	-	-	-
Striking overhead or other obstructions	-	-	-	-	-
Other causes	2	-	1	-	1
Totals	7	2	1	9	2
Employees					
Coupling and uncoupling	2	-	3	-	-
Collisions - Between:					
Railway rolling stock	16	9	5	8	5
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	1	-	-	-	-
At other points	-	1	1	-	-
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	1	-	-	-	-
At other points	1	-	-	-	-
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	-	-	-	-	-
At other points	13	4	7	11	3
Derailments	4	2	2	2	4
Locomotives or cars breaking down	-	-	-	-	-
Getting on or off trains	3	2	3	1	2
Falling from trains, locomotives or cars	3	2	7	2	4
Striking overhead or other obstructions	1	2	-	3	-
Other causes	10	5	5	3	6
Totals	55	27	33	30	24

TABLE 24. Passengers and Employees Killed and Injured in Train Accidents — By Cause, Year Ended December 31 — Concluded

Causes	1955	1957	1958	1959	1960
	Number of persons injured				
Passengers					
Coupling and uncoupling	—	—	—	—	—
Collisions — Between:					
Railway rolling stock	9	14	4	74	104
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	—	1	—	21	8
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	—	—	—	1	—
At other points	1	—	—	1	—
Derailments	15	79	18	20	5
Locomotives or cars breaking down	—	2	—	—	—
Getting on or off trains	5	18	11	2	7
Falling from trains, locomotives or cars	8	—	3	2	1
Striking overhead or other obstructions	—	—	—	—	—
Other causes	46	29	47	30	26
Totals	84	143	83	151	151
Employees					
Coupling and uncoupling	85	67	46	50	47
Collisions — Between:					
Railway rolling stock	74	58	37	68	48
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	15	2	7	5	4
At other points	7	2	1	3	—
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	22	19	7	12	14
At other points	2	3	2	5	4
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	1	—	—	—	—
At other points	32	24	20	15	9
Derailments	37	31	22	24	29
Locomotives or cars breaking down	—	4	1	18	8
Getting on or off trains	384	323	244	245	200
Falling from trains, locomotives or cars	109	76	76	78	51
Striking overhead or other obstructions	25	28	11	26	19
Other causes	844	711	542	543	462
Totals	1,637	1,348	1,016	1,092	895

TABLE 25. Persons Killed and Injured in Train Accidents — By Class of Victim, Year Ended December 31

Class of person	1956	1957	1958	1959	1960
	Number of persons killed				
Employees:					
Trainmen	30	14	17	8	12
Switchtenders, watchmen, etc.	3	1	2	4	3
Stationmen	—	—	—	1	1
Shopmen	2	2	—	3	—
Trackmen	16	6	13	13	6
Telegraph-employees	2	2	—	1	—
Other employees	2	2	1	—	2
Total employees	55	27	33	30	24
Passengers	7	2	1	9	2
Postal — Express — Pullman employees	1	—	—	3	1
Trespassers	82	84	78	65	52
Other persons	214	197	192	196	183
Grand totals	359	310	304	303	262
Suicides	11	10	8	4	6

TABLE 25. Persons Killed and Injured in Train Accidents – By Class of Victim, Year Ended December 31 – Concluded

Class of person	1956	1957	1958	1959	1960
Number of persons injured ¹					
Employees:					
Trainmen	1,184	936	728	754	619
Switchtenders, watchmen, etc.	195	138	109	127	112
Stationmen	12	11	4	5	6
Shopmen	42	35	26	16	8
Trackmen	109	121	80	76	58
Telegraph employees	7	12	10	5	3
Other employees	88	95	59	109	89
Total employees	1,637	1,348	1,016	1,092	895
Passengers	84	143	83	151	151
Postal – Express – Pullman employees	20	18	13	14	14
Trespassers	56	77	51	56	63
Other persons	514	432	299	505	463
Grand totals	2,311	2,018	1,462	1,818	1,586
Attempted suicides	2	2	1	–	3

¹ See page 22 for time lost through injuries.

TABLE 26. Persons Killed and Injured in Non-Train Accidents – By Cause, Year Ended December 31

Causes	1956	1957	1958	1959	1960
Number of persons killed					
Handling traffic	2	–	–	–	–
Handling machinery, tools, etc.	5	2	3	3	–
Getting on or off locomotives and cars at rest	–	–	–	1	–
Other causes	13	13	20	9	10
Totals	20	15	23	13	10
Number of persons injured ¹					
Handling traffic	258	215	159	334	272
Handling machinery, tools, etc.	522	744	741	551	525
Getting on or off locomotives and cars at rest	105	116	95	92	74
Other causes	1,957	1,762	1,427	1,281	1,032
Totals	2,842	2,837	2,422	2,258	1,903

¹ See page 22 for time lost through injuries.

TABLE 27. Persons Killed and Injured in Non-Train Accidents – By Class of Victim, Year Ended December 31

Class of person	1956	1957	1958	1959	1960
Number of persons killed					
Employees:					
Trainmen	–	–	–	–	–
Switchtenders, watchmen, etc.	–	–	–	–	–
Stationmen	1	–	2	–	1
Shopmen	2	2	2	3	1
Trackmen	12	5	7	8	5
Telegraph employees	1	2	–	1	2
Other	–	–	2	–	–
Totals	16	9	13	12	9
Passengers	–	–	–	–	–
Postal clerks – Express – Pullman employees	–	2	1	1	1
Trespassers	1	3	2	–	–
Other persons	3	1	7	–	–
Grand totals	20	15	23	13	10
Suicides	–	1	1	1	–

TABLE 27. Persons Killed and Injured in Non-Train Accidents - By Class of Victim, Year Ended December 31 - Concluded

Class of person	1956	1957	1958	1959	1960
	Number of persons injured ¹				
Employees:					
Trainmen	114	148	126	104	81
Switchtenders, watchmen, etc.	35	37	28	30	27
Stationmen	362	272	256	239	215
Shopmen	1,117	1,016	764	739	545
Trackmen	807	919	836	760	668
Telegraph employees	102	121	129	119	101
Other	204	221	160	173	151
Totals	2,741	2,734	2,299	2,164	1,788
Passengers	42	50	41	42	64
Postal clerks - Express - Pullman employees	16	11	25	24	18
Trespassers	6	17	12	1	3
Other persons	37	25	45	27	32
Grand totals	2,842	2,837	2,422	2,258	1,905
Attempted suicides	1	1	1	-	-

¹ See page 22 for time lost through injuries.

TABLE 28. Persons Killed and Injured in Accidents at Highway Crossings, Year Ended December 31

	Employees and passengers		Pedestrians		Riding in				Total	
	Urban	Rural	Urban	Rural	Motor vehicles		Other vehicles		Urban	Rural
					Urban	Rural	Urban	Rural		
	Number of persons killed									
Protected by gates:										
1956	-	-	1	-	2	-	-	-	3	-
1957	-	-	1	1	-	-	-	-	1	1
1958	-	-	3	-	2	-	-	-	5	-
1959	-	-	2	-	1	-	-	-	3	-
1960	-	-	4	-	1	1	-	-	5	1
Protected by automatic signals:										
1956	-	-	2	-	17	11	-	-	19	11
1957	-	-	1	1	9	18	-	-	10	19
1958	-	-	2	-	8	14	-	-	10	14
1959	-	-	5	1	13	10	2	4	20	15
1960	-	-	4	1	15	3	5	-	24	4
Protected by watchmen:										
1956	-	-	1	-	3	-	-	-	4	-
1957	-	-	-	-	-	-	-	-	-	-
1958	-	-	-	-	-	1	-	-	-	1
1959	-	-	-	-	-	1	-	-	-	1
1960	-	-	-	-	2	-	-	-	2	-
Total at protected crossings:										
1956	-	-	4	-	22	11	-	-	26	11
1957	-	-	2	2	9	18	-	-	11	20
1958	-	-	5	-	10	15	-	-	15	15
1959	-	-	7	1	14	11	2	4	23	16
1960	-	-	8	1	18	4	5	-	31	5
Unprotected:										
1956	-	2	3	5	31	112	-	2	34	121
1957	-	-	2	3	35	106	-	1	37	110
1958	-	-	1	1	26	108	-	1	27	110
1959	-	5	2	1	40	72	6	14	48	92
1960	-	-	3	2	44	42	15	22	62	66
Grand totals:										
1956	-	2	7	5	53	123	-	2	60	132
1957	-	-	4	5	44	124	-	1	48	130
1958	-	-	6	1	36	123	-	1	42	125
1959	-	5	9	2	54	83	8	18	71	108
1960	-	-	11	3	62	46	20	22	93	71

TABLE 28. Persons Killed and Injured in Accidents at Highway Crossings, Year Ended December 31 — Concluded

	Employees and passengers		Pedestrians		Riding in				Total	
	Urban	Rural	Urban	Rural	Motor vehicles		Other vehicles		Urban	Rural
					Urban	Rural	Urban	Rural		
	Number of persons injured									
Protected by gates:										
1956.....	—	—	3	—	3	—	—	—	6	—
1957.....	—	—	—	—	1	—	—	—	1	—
1958.....	—	—	1	1	1	—	—	—	2	1
1959.....	2	—	1	—	4	—	—	—	7	—
1960.....	—	—	—	—	7	1	—	—	7	1
Protected by automatic signals:										
1956.....	1	—	2	—	48	36	7	—	58	36
1957.....	4	—	2	1	49	32	—	—	55	33
1958.....	—	2	1	—	28	20	1	—	30	22
1959.....	—	1	2	—	39	10	6	11	47	22
1960.....	7	—	5	—	61	4	8	—	81	4
Protected by watchmen:										
1956.....	2	1	—	—	7	1	—	—	9	2
1957.....	—	—	1	—	6	3	—	—	7	3
1958.....	1	—	—	—	6	3	—	—	7	3
1959.....	—	—	—	—	9	3	—	—	9	3
1960.....	—	—	—	—	5	—	—	—	5	—
Total at protected crossings:										
1956.....	3	1	5	—	58	37	7	—	73	38
1957.....	4	—	3	1	56	35	—	—	63	36
1958.....	1	2	2	1	35	23	1	—	39	26
1959.....	2	1	3	—	52	13	6	11	63	25
1960.....	7	—	5	—	73	5	8	—	93	5
Unprotected:										
1956.....	8	24	2	3	143	200	4	—	157	227
1957.....	5	11	5	3	84	196	—	—	94	210
1958.....	4	6	2	2	77	130	1	—	84	138
1959.....	5	30	2	1	149	149	43	19	199	199
1960.....	8	12	4	—	135	105	50	22	197	139
Grand totals:										
1956.....	11	25	7	3	201	237	11	—	230	265
1957.....	9	11	8	4	140	231	—	—	157	246
1958.....	5	8	4	3	112	153	2	—	123	164
1959.....	7	31	5	1	201	162	49	30	262	224
1960.....	15	12	9	—	208	110	58	22	290	144

TABLE 29. Highway Crossings at December 31

No.		Protected by									
		Gates		Bridges		Subways		Automatic signals		Watchmen	
		Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
		number									
Newfoundland:											
1	1956	—	—	—	1	—	1	1	1	—	—
2	1957	—	—	—	1	—	1	1	1	—	—
3	1958	—	—	—	1	—	1	3	2	—	—
4	1959	—	—	1	3	—	1	3	2	—	—
5	1960	—	—	1	5	—	1	3	2	—	—
Prince Edward Island:											
6	1956	—	—	1	—	—	5	5	12	1	—
7	1957	—	—	1	—	—	5	5	12	1	—
8	1958	—	—	1	—	—	5	5	12	1	—
9	1959	—	—	1	—	—	5	5	12	1	—
10	1960	—	—	1	—	—	5	5	14	1	—
Nova Scotia:											
11	1956	7	—	23	14	15	26	48	91	5	1
12	1957	7	—	23	14	16	26	49	101	5	—
13	1958	6	—	21	15	10	30	52	100	5	—
14	1959	6	2	21	15	10	31	56	113	5	—
15	1960	6	2	21	17	10	31	58	152	5	—
New Brunswick:											
16	1956	8	—	9	26	15	34	32	87	—	—
17	1957	8	—	10	27	15	34	37	98	—	—
18	1958	8	1	10	29	13	34	43	100	—	—
19	1959	8	—	11	33	13	33	47	116	—	—
20	1960	8	1	11	34	14	33	46	128	—	—
Quebec:											
21	1956	59	1	34	43	158	82	148	193	3	1
22	1957	61	1	37	44	159	83	156	217	3	1
23	1958	64	2	39	45	163	83	165	253	3	1
24	1959	59	4	43	51	164	82	197	262	2	1
25	1960	63	5	51	53	170	79	225	303	1	1
Ontario:											
26	1956	92	8	146	209	271	184	437	481	26	5
27	1957	98	17	150	217	270	184	452	490	26	3
28	1958	104	25	172	238	304	190	483	492	25	3
29	1959	107	31	183	250	305	189	516	518	24	3
30	1960	114	41	196	235	311	186	560	544	21	—
Manitoba:											
31	1956	10	4	4	6	29	13	29	7	3	—
32	1957	10	4	4	6	29	13	32	9	3	—
33	1958	16	4	4	6	30	13	33	12	3	—
34	1959	19	4	4	8	30	13	38	16	3	—
35	1960	19	5	4	8	31	9	43	25	3	—
Saskatchewan:											
36	1956	—	2	6	21	21	41	23	9	1	—
37	1957	—	2	6	22	21	41	25	16	1	—
38	1958	2	2	6	22	21	42	26	20	—	—
39	1959	3	2	6	22	21	42	31	29	—	—
40	1960	5	2	7	23	21	43	44	41	—	—
Alberta:											
41	1956	10	—	8	23	26	52	22	40	—	—
42	1957	12	—	8	26	28	51	25	54	—	—
43	1958	13	—	9	27	29	50	32	61	—	—
44	1959	15	—	9	31	29	50	37	70	—	—
45	1960	16	—	10	33	30	53	44	89	—	—
British Columbia:											
46	1956	6	7	31	51	7	46	31	22	4	—
47	1957	7	8	30	54	6	46	40	26	3	—
48	1958	7	6	31	57	7	49	37	27	3	7
49	1959	6	9	23	66	8	48	36	37	4	—
50	1960	7	9	27	68	12	62	37	54	4	—
Total — Canada:											
51	1956	192	22	262	394	542	484	776	943	43	7
52	1957	203	32	269	411	544	484	822	1,024	42	4
53	1958	220	40	293	440	577	497	879	1,079	40	11
54	1959	223	52	302	479	580	494	966	1,175	39	4
55	1960	238	65	329	476	599	502	1,065	1,352	35	1
United States:											
56	1956	3	1	2	7	9	10	8	20	5	—
57	1957	2	1	3	7	9	10	8	20	5	1
58	1958	2	1	3	7	9	11	8	20	5	1
59	1959	2	1	3	7	9	11	8	20	5	1
60	1960	2	1	3	7	9	11	8	21	5	1

TABLE 29. Highway Crossings at December 31

Total protected			Unprotected			Grand total			No.
Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	
					number				
1	3	4	37	235	272	38	238	276	1
1	3	4	48	237	285	49	240	289	2
3	4	7	67	222	289	70	226	296	3
4	6	10	66	221	287	70	227	297	4
4	8	12	66	221	287	70	229	299	5
7	17	24	35	211	246	42	228	270	6
7	17	24	35	211	246	42	228	270	7
7	17	24	39	212	251	46	229	275	8
7	17	24	39	214	253	46	231	277	9
7	19	26	39	212	251	46	231	277	10
98	132	230	186	666	852	284	798	1,082	11
100	141	241	186	657	843	286	798	1,084	12
94	145	239	215	606	821	309	751	1,060	13
98	161	259	211	586	797	309	747	1,056	14
100	202	302	210	548	758	310	750	1,060	15
64	147	211	127	705	832	191	852	1,043	16
70	159	229	121	689	810	191	848	1,039	17
74	164	238	144	669	813	218	833	1,051	18
79	182	261	141	646	787	220	828	1,048	19
79	196	275	141	623	764	220	819	1,039	20
402	320	722	499	2,013	2,512	901	2,333	3,234	21
416	346	762	501	2,024	2,525	917	2,370	3,287	22
434	384	818	517	2,002	2,519	951	2,386	3,337	23
465	400	865	569	1,919	2,488	1,034	2,319	3,353	24
510	441	951	599	1,858	2,457	1,109	2,299	3,408	25
972	887	1,859	1,664	5,008	6,672	2,636	5,895	8,531	26
996	911	1,907	1,662	4,972	6,634	2,658	5,883	8,541	27
1,088	948	2,036	1,758	4,874	6,632	2,846	5,822	8,668	28
1,135	991	2,126	1,753	4,839	6,592	2,888	5,830	8,718	29
1,202	1,006	2,208	1,766	4,656	6,422	2,968	5,662	8,630	30
75	30	105	569	3,768	4,337	644	3,798	4,442	31
78	32	110	571	3,725	4,296	649	3,757	4,406	32
86	35	121	576	3,732	4,308	662	3,767	4,429	33
94	41	135	574	3,731	4,305	668	3,772	4,440	34
100	47	147	571	3,757	4,328	671	3,804	4,475	35
51	73	124	431	7,586	8,017	482	7,659	8,141	36
53	81	134	432	7,593	8,025	485	7,674	8,159	37
55	86	141	435	7,652	8,087	490	7,738	8,228	38
61	95	156	428	7,583	7,991	489	7,658	8,147	39
77	109	186	414	7,434	7,878	491	7,573	8,064	40
66	115	181	387	3,992	4,379	453	4,107	4,560	41
73	131	204	388	3,946	4,334	461	4,077	4,538	42
83	138	221	392	3,936	4,328	475	4,074	4,549	43
90	151	241	392	3,934	4,326	482	4,085	4,567	44
100	175	275	386	4,014	4,400	486	4,189	4,675	45
79	126	205	357	869	1,226	436	995	1,431	46
86	134	220	361	839	1,200	447	973	1,420	47
85	146	231	355	843	1,198	440	989	1,429	48
77	160	237	337	816	1,153	414	976	1,390	49
87	193	280	369	924	1,293	456	1,117	1,573	50
1,815	1,850	3,665	4,292	25,053	29,345	6,107	26,903	33,010	51
1,880	1,955	3,835	4,305	24,893	29,198	6,185	26,848	33,033	52
2,009	2,067	4,076	4,498	24,748	29,246	6,507	26,815	33,322	53
2,110	2,204	4,314	4,510	24,469	28,979	6,620	26,673	33,293	54
2,266	2,396	4,662	4,561	24,277	28,838	6,827	26,673	33,500	55
27	38	65	25	93	118	52	131	183	56
27	39	66	25	95	120	52	134	186	57
27	40	67	26	102	128	53	142	195	58
27	40	67	26	102	128	53	142	195	59
27	41	68	26	101	127	53	142	195	60



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