

1964

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PT. I CATALOGUE NO.

52-207

ANNUAL



RAILWAY TRANSPORT

1964

PART I

(Comparative Summary Statistics 1960-1964)

Published by Authority of
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation Section

February 1966
8504-552

Price: 50 cents

ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa

Reports Published by the
Public Finance and Transportation Division
dealing with

RAILWAY TRANSPORT STATISTICS

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Feb. '66

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The interpretation of abbreviations and symbols used throughout this report is as follows:

ABBREVIATIONS

k.d. — Knocked down.
l.c.l. — Less than carload.
n.o.s. — Not otherwise specified.

SYMBOLS

.. figures not available.
— nil or zero.
r revised figures.

RAILWAY TRANSPORT

1964

PART I

(Comparative Summary Statistics 1960-1964)

Presented in this report is a five-year summary of common carrier railway operations in Canada covering the period 1960-64 inclusive.

The term "common carrier" as referred to throughout the railway transport series means any person who holds himself out to the general public to transport passengers and/or goods for compensation.

Statistics of the Cartier Railway, which are shown independently in the last line of each table and excluded from totals in Parts III, IV and V of this 1964 railway transport series, have also been excluded from 1964 data summarized herein. Details relating to the physical characteristics and work done by this road are, however, included in the 1962 and 1963 columns and this fact should be considered when year to year comparisons are made.

Track Operated

The total point-to-point first main track mileage of line haul railways in Canada (excluding mileage operated jointly by two or more roads) was 43,355 at the close of 1964, down 674 miles from 1960. The total route mileage of all tracks operated by these rail lines, including main track, industrial track and sidings aggregated 58,243, down 950 miles over the five-year period.

Investments, Capital and Reserves

The net investment in road and equipment property during 1964 rose 0.8 per cent to \$107 million, increasing cumulative investments to December 31, of that year to \$7,134 million. The rate of growth of investments in road and equipment property increased in each of the five years. The 1964 figure was 1.5 per cent greater than that of 1963 and 5.8 per cent above 1960.

During 1964 capital stock rose 0.4 per cent to \$4,997 million. Funded debt guaranteed by the Federal Government dropped \$11 million, while that guaranteed by Provincial Governments increased by \$17 million. Reserves, other liabilities and deferred credits increased by about \$102 million to \$2,322,296,001 in 1964. Amounts set aside for depreciation, which accounted for 90 per cent of the total reserves, increased \$117 million.

Financial Summary

Gross income of railways has continued to improve over recent years but the 1964 figure remained below that of either 1955 or 1956.

Railway operating revenues were at an all time high of \$1,324 million in 1964, up 9.4 per cent over 1963 and 1.8 per cent above the peak year of 1956. Operating expenses, including rents and taxes have also increased over the years. The \$1,241 million recorded in 1964 was up 8.0 per cent over 1963 and 6.0 per cent over the 1956 total.

Freight revenues in 1964 were the highest in railway history. The \$1,170 earned in that year was 17.8 per cent higher than the 1960 total and 5.4 per cent above that of the previous peak attained in 1956. Passenger receipts in 1964 were up for the first time since 1960, increasing to \$63.7 million from \$59.5 million in the earlier year but \$5.5 million below 1960.

In the principal groups of operating expenses, transportation costs during 1964 were \$40.2 million above those of 1963; equipment maintenance outlays rose \$17.5 million; and road maintenance expenses increased \$6.1 million. In relation to 1960, transportation and equipment maintenance costs were \$43.0 million and \$27.7 million higher, respectively.

Traffic

Revenue tons transported by rail in Canada (including freight interchanged between domestic railways) increased to 211.0 million tons during 1964, up 17.7 million tons over 1963 and 32.2 million tons over 1960. Revenue ton-miles (a practical measure of the volume of freight service performed) aggregated 85.0 billion, an increase of 9.2 billion over 1963 and 19.6 billion over 1960. The average length of haul was 448 miles in 1964 up from 441 in 1963 and 413 in 1960.

Passenger traffic continued the recent upward trend which started in 1962 with an 11.0 per cent increase in 1964 over 1963 to 22,914,810. This was 17.5 per cent more passengers than were carried in 1960.

Equipment

The number of freight-carrying cars in service at the close of 1964 (excluding privately owned units) stood at 179,854, down 1,865 units from 1963 and down 11,699 units from 1960. The average capacity, however, increased to 53.3 tons in 1964 from 52.4 tons in 1963 and 51.4 tons in 1960.

Passenger cars have continued to decline over the five-year period, dropping from 5,119 in 1960 to 3,985 in 1964.

The number of locomotives in service has decreased over the 1960-64 period. Only one coal burning locomotive remained in service during 1964, a drop of six from 1963 and down 402 from 1960. Diesel units have declined 66 units to 3,281 in the latter year but only 27 units since 1960.

Fuel

The consumption of diesel oil by locomotives during 1964 amounted to 390.2 million gallons, up 32.7 million gallons over 1963 and 49.3 million gallons above 1960.

The consumption of crude oil, which first appeared as a locomotive fuel in 1961, increased to 2,454,666 gallons in 1964.

Accidents

A total of 251 persons were killed and 1,769 injured in train accidents during 1964. This compares with 226 killed and 1,587 injured in 1963 and 262 killed and 1,586 injured in 1960. Of the 1964 total, 156 employees, passengers and pedestrians were killed and 467 were injured at highway crossings.

A total of 96,343 days were lost by employees through injuries in train and non-train accidents in 1964 compared with 89,499 days in 1963 and 102,714 days in 1960.

Highway Crossings

Highway crossings in Canada at the close of 1964 totalled 33,669 as against 33,493 in the previous year and 33,500 in 1960.

November 8, 1965.

TABLE 1. Mileage Operated by Area at December 31,¹ 1960-64

	1960	1961	1962	1963	1964
	number				
First main track:					
Newfoundland	934	933	935	934	934
Prince Edward Island	284	279	279	279	279
Nova Scotia	1,316	1,298	1,270	1,315	1,314
New Brunswick	1,783	1,783	1,782	1,772	1,760
Quebec	5,228	5,224	5,348	5,361	5,163
Ontario	10,245	10,188	10,137	10,116	10,073
Manitoba	5,056	4,954	4,898	4,860	4,858
Saskatchewan	8,721	8,606	8,588	8,577	8,566
Alberta	5,679	5,689	5,683	5,683	5,682
British Columbia	4,386	4,338	4,337	4,329	4,329
Yukon	58	58	58	58	58
In United States	339	339	339	339	339
Totals	44,029	43,689	43,654	43,623	43,355
Second main track					
Other main track	2,243	2,150	2,081	2,016	2,010
Industrial track	45	48	48	56	56
Yard track and sidings	1,248	1,262	1,266	1,265	1,281
Totals, all tracks	59,193	58,782	58,759	58,511	58,243
Gauge of first main track:					
4 ft. 8½ inches	43,211	42,870	42,835	42,806	42,538
3 ft. 6 inches	728	729	729	727	727
3 ft.	90	90	90	90	90
First main track owned but not operated	21	21	21	19	19

¹ Excludes line operated under trackage rights.TABLE 2. First Main Track Mileage by Area at December 31,¹ 1960-64

	1960	1961	1962	1963	1964
	number				
Newfoundland					
Increase over previous year	934.20 —	933.20 D 1.00	935.40 2.20	934.20 D 1.20	934.20 —
Prince Edward Island					
Increase over previous year	284.50 D 0.30	278.60 D 5.90	278.60	278.80	278.60
Nova Scotia					
Increase over previous year	1,316.30 D 17.00	1,298.00 D 18.30	1,270.40 D 27.60	1,314.80 D 44.40	1,314.50 D 0.30
New Brunswick					
Increase over previous year	1,782.70 D 35.00	1,782.60 D 0.10	1,782.40 D 0.20	1,771.50 D 10.90	1,759.60 D 11.90
Quebec					
Increase over previous year	5,227.50 D 0.70	5,223.80 D 3.70	5,347.80 D 124.00	5,360.80 D 13.00	5,183.80 D 197.00
Ontario					
Increase over previous year	10,245.20 D 175.80	10,188.50 D 56.70	10,136.80 D 51.70	10,116.50 D 20.30	10,073.00 D 43.50
Manitoba					
Increase over previous year	5,055.90 D 51.40	4,953.70 D 102.20	4,897.50 D 56.20	4,860.30 D 37.20	4,858.00 D 2.30
Saskatchewan					
Increase over previous year	8,721.00 D 0.40	8,606.50 D 114.50	8,587.90 D 18.60	8,576.90 D 11.00	8,565.70 D 11.20
Alberta					
Increase over previous year	5,678.60 D 1.10	5,688.90 D 10.30	5,683.00 D 5.90	5,682.60 D 0.40	5,681.90 D 0.70
British Columbia					
Increase over previous year	4,386.20 D 1.90	4,337.90 D 48.30	4,337.30 D 0.60	4,329.40 D 7.90	4,329.00 D 0.40
Yukon					
Increase over previous year	57.70 —	57.70 —	57.70 —	57.70 —	57.70 —
United States					
Increase over previous year	339.20 D 1.10	339.40 D 0.20	339.40 —	339.40 —	339.40 —
Totals	44,029.00	43,688.80	43,654.20	43,622.70	43,355.40
Increase over previous year	D 178.90	D 340.20	D 34.60	D 31.50	D 267.30

¹ Excludes line operated under trackage rights.

D—Decrease.

TABLE 3. Investments in Road and Equipment Property at December 31, 1960-64

	1960	1961	1962	1963	1964
dollars					
Investment changes during the year:					
Road	113,587,736	72,244,687	70,674,769	125,463,519	74,388,731
Equipment	Cr. 12,920,826	Cr. 30,683,878	7,258,657	Cr. 16,753,029	40,086,021
General	Cr. 35,546	3,152,244	Cr. 243,729	84,786	45,989
Undistributed (see below)	6,742,707	40,971,544	12,905,861	Cr. 2,626,787	Cr. 7,538,650
Totals	107,374,071	85,684,597	90,595,558	106,168,489	106,982,091
Total investments to December 31	6,744,706,342	6,830,390,939	6,920,986,497	7,027,154,986	7,134,137,077
Undistributed:					
Non-rail property:					
Canadian National Railways	6,538,741	15,506,157	10,513,908	3,771,974	7,219,816
Canadian Pacific Railway Company	122,830	25,492,752	2,581,950	Cr. 8,845,548	Cr. 17,639,710
Other railways	81,136	Cr. 27,365	Cr. 189,997	2,446,787	2,881,244
Totals	6,742,707	40,971,544	12,905,861	Cr. 2,626,787	Cr. 7,538,650

TABLE 4. Railway Capital at December 31, 1960-64

	1960	1961	1962	1963	1964
dollars					
Stock					
Stock	2,433,278,796	2,455,989,031	2,476,603,604	2,496,496,085	2,522,599,327
Debenture stock	292,548,888	292,548,888	292,548,888	292,548,888	292,548,888
Funded debt	2,244,571,812	2,234,316,735	2,245,189,028	2,183,556,139	2,181,454,852
Totals	4,970,399,496	4,982,854,654	5,014,341,520	4,974,601,112	4,996,603,067

TABLE 5. Funded Debt Guaranteed at December 31, 1964

Name of railway	Guaranteed by		Total outstanding
	Government of Canada	Provincial Governments	
dollars			
Canada and Gulf Terminal Railway	—	190,000	190,000
Canadian National Railways	1,367,811,500	—	1,367,811,500
Ontario Northland Railway	—	18,221,000	18,221,000
Pacific Great Eastern Railway	—	138,412,300	138,412,300
Totals	1,367,811,500	156,823,300	1,524,634,800

TABLE 6. Reserves, Other Liabilities and Deferred Credits at December 31,¹ 1960 - 1964

	1960	1961	1962	1963	1964
dollars					
Depreciation reserves:					
Road and equipment	1,605,833,495	1,672,107,680	1,757,446,877	1,854,633,351	1,967,053,781
Other properties	91,728,040	106,866,009	115,579,571	117,775,854	122,147,269
Other reserves:					
Pension and welfare	8,269,039	8,485,589	8,949,614	9,326,168	9,556,659
Insurance	29,014,278	29,424,374	29,921,365	32,764,547	32,723,762
Equalization	91,602	89,139	77,840	90,506	87,269
Other liabilities and deferred credits:					
Interest in default	—	—	—	—	—
Other deferred liabilities	18,378,968	17,615,227	16,305,074	19,885,856	19,257,349
Tax equalization reserve	87,142,624	100,398,259	114,208,416	123,695,202	116,500,567
Premium on funded debt	—	—	—	—	—
Other unadjusted credits	36,382,589	39,777,533	41,272,505	42,568,666	39,614,638
Reserve for investments	10,814,636	18,243,786	19,035,935	19,517,083	15,354,687
Totals	1,887,655,271	1,993,007,596	2,102,797,197	2,220,257,233	2,322,296,001

¹ Includes United States lines of Canadian National and Canadian Pacific Railways.TABLE 7. Income and Retained Income Accounts at December 31,¹ 1960 - 64

	1960	1961	1962	1963	1964
dollars					
Income account					
Railway operating revenues	1,151,655,456	1,156,480,700	1,165,296,722	1,210,209,799	1,324,422,492
Railway operating expenses ²	1,049,581,887	1,053,229,206	1,061,569,880	1,083,078,444	1,161,645,916
Net railway operating revenues	102,073,569	103,251,494	103,726,842	127,131,355	162,776,576
Tax accruals	59,888,539	61,203,319	58,092,192	66,452,082	79,612,739
Railway operating income	42,185,030	42,048,175	45,634,650	60,679,273	83,163,837
Other income:					
Rail and non-rail ³	25,545,534	16,198,145	37,012,102	43,796,235	47,846,006
Gross income	67,730,564	58,246,320	82,646,752	104,475,508	131,009,843
Deductions:					
Other rents	370,018	390,734	389,082	395,613	494,983
Separately operated properties — Loss	443,838	—	—	1,659	—
Income transferred to other companies	—	—	1,990	527,107	200,422
Other income charges	1,268,877	325,072	962,444	501,746	801,336
Provision for income tax — Other	1,364,569	1,732,021	3,781,827	3,320,551	1,046,571
Fixed charges ⁴	92,914,721	85,529,106	85,502,922	87,202,622	86,879,430
Totals	96,362,023	87,976,933	90,638,265	91,949,298	89,222,742
Net income	Dr. 28,631,459	Dr. 29,730,613	Dr. 7,991,513	12,526,210	41,787,101
Retained income					
Dividend appropriations	61,462,274	34,320,011	33,999,592	46,128,473	73,656,277
Other appropriations and misc. debits	3,768,173	2,352,590	3,629,414	9,651,197	6,300,101
Total debits	65,230,447	36,672,601	37,629,006	55,779,670	79,956,378
Total credits	Dr. 72,886,018	Cr. 80,983,846	Cr. 59,009,671	76,074,675	117,814,275
Balance to general balance sheet	Dr. 20,975,888	Cr. 14,580,632	Cr. 13,389,152	32,821,215	79,644,998

¹ Excludes puliman, 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, 1960-64

	1960	1961	1962	1963	1964
dollars					
Operating revenues:					
Railway line:					
Freight	992,739,695	1,012,969,006	1,019,548,627	1,067,288,649	1,169,534,379
Passenger	69,154,309	61,229,591	60,616,581	59,540,654	63,738,236
Baggage	307,093	275,504	269,608	187,377	203,395
Sleeping, parlour and chair car	10,227,842	8,587,575	8,841,354	8,381,417	8,857,891
Mail	17,432,364	16,905,032	16,333,763	15,947,761	16,191,214
Express	21,779,676	16,121,148	17,568,697	14,796,200	14,929,866
Other passenger train	27,793	24,537	17,533	22,510	19,310
Milk	193,789	167,383	119,624	130,150	107,486
Switching	7,728,402	7,135,785	7,604,645	7,088,936	8,013,367
Water transfers - Freight	1,733,109	1,626,927	1,630,032	1,802,681	1,762,588
Passenger	179,100	186,100	213,399	222,669	262,088
Totals	1,121,503,172	1,125,228,588	1,132,763,863	1,175,409,004	1,283,619,820
Incidental:					
Dining and buffet car	7,008,090	6,120,676	7,190,275	7,618,651	11,133,813
News service and restaurant	3,573,583	3,235,191	3,326,077	3,472,058	3,800,182
Station, train, etc., privileges	637,415	556,740	531,158	583,727	627,579
Storage - Parcels and baggage	100,104	77,865	86,225	63,075	66,113
Freight	329,986	416,892	338,226	313,713	232,246
Demurrage	3,681,627	3,169,844	3,363,408	3,601,550	4,128,253
Grain elevators	1,537,607	1,730,377	1,288,843	1,892,934	1,191,485
Wharves	2,052,159	2,077,067	1,701,894	1,712,778	2,777,605
Rents of buildings, etc.	3,627,231	3,803,741	3,701,518	4,061,927	4,362,727
Other	7,487,538	10,051,031	11,081,594	11,535,667	12,474,314
Totals	30,035,340	31,239,424	32,609,218	34,856,080	40,794,317
Joint facilities, Cr. balance	116,944	12,688	Dr. 76,359	Dr. 55,285	8,355
Total railway operating revenues	1,151,655,456	1,156,480,700	1,165,296,722	1,210,209,799	1,324,422,492
Operating expenses:					
Road maintenance	243,990,846	243,445,087	239,680,724	242,919,240	248,974,935
Equipment maintenance	249,473,225	249,354,157	250,173,628	259,696,627	277,232,769
Traffic	28,866,434	29,027,607	29,022,709	30,607,450	32,401,928
Transportation - Railway line	424,924,203	423,367,291	424,859,293	427,697,154	467,893,539
Miscellaneous operations	14,506,531	13,595,042	13,476,328	14,687,066	19,444,051
General expenses	88,863,980	94,960,331	101,758,052	105,810,868	110,369,441
Totals	1,050,625,219	1,053,749,515	1,058,970,734	1,081,418,405	1,156,316,705
Equipment rents - Dr.	Cr. 1,615,965	Ct. 1,236,788	1,704,868	594,322	4,826,449
Joint facility rents - Dr.	572,633	716,479	894,278	1,065,717	502,762
Railway tax accruals	59,888,539	61,203,319	58,092,192	66,452,082	79,612,739
Total railway operating expenses	1,109,470,426	1,114,432,525	1,119,662,072	1,149,530,526	1,241,258,655

TABLE 9. Operating Statistics, 1960-64

	1960	1961	1962	1963	1964
Average first main track mileage					
45,085 44,936 44,815 44,738 44,359					
Locomotive miles:					
Steam:					
Freight	601,910	31,677	—	—	—
Passenger	393,283	303	—	—	—
Train switching	50,851	—	—	—	—
Yard switching	627,406	172,003	—	—	—
Total transportation service	1,673,450	203,983	—	—	—
Work train service	155,334	2,225	—	—	—
Diesel:					
Freight	64,342,704	61,362,516	61,311,000	63,871,156	68,025,256
Passenger	28,006,632	25,161,665	23,752,530	22,813,495	23,782,150
Train switching	3,620,276	3,332,998	3,314,788	3,261,339	3,507,194
Yard switching	25,972,344	25,073,403	24,873,129	24,939,560	25,733,838
Total transportation service	121,941,956	114,930,582	113,251,447	114,885,550	121,048,428
Work train service	2,352,258	2,231,688	—	—	—

* Discontinued 1962. Detail not considered statistically useful.

TABLE 9. Operating Statistics, 1960-64 - Continued

	1960	1961	1962	1963	1964
Locomotive miles - Concluded:					
Other:					
Freight	126,679	102,738	23,487 ^r	15,792 ^r	11,895
Passenger	136,769	188,773	251,197	270,225	279,028
Train switching	91,266	64,116	11,665 ^r	11,326 ^r	11,161
Yard switching	75,814	62,847	65,970	57,264	27,255
Total transportation service	430,528	418,474	352,319	354,609	329,339
Total:					
Freight	65,071,293	61,496,931	61,334,487 ^r	63,886,948 ^r	68,037,151
Passenger	28,536,684	25,350,741	24,003,727	23,083,720	24,061,178
Train switching	3,762,393	3,397,114	3,326,453 ^r	3,272,667 ^r	3,518,355
Yard switching	26,675,564	25,308,253	24,939,099	24,996,824	25,761,083
Grand total transportation service	124,045,934	115,553,039	113,603,766	113,240,159	121,377,767
Grand total work train service	2,507,592	2,233,913	1	1	1
Train miles:					
Freight - Drawn by locomotive	63,887,230	60,592,587	60,307,977	62,639,073	66,784,772
Passenger - Drawn by locomotive	27,869,238	25,017,043	23,369,055	22,426,461	23,356,785
Drawn by self-propelled car	6,623,714	6,113,625	5,848,198	5,813,023	5,273,905
Totals	34,492,952	31,130,668	29,217,253	28,239,484	28,630,690
Total transportation service	98,380,182	91,723,255	89,525,230	90,878,557	95,415,462
Work train service	2,443,096	2,003,554	2,085,116	2,309,955	1,919,893
Freight car miles - Transportation service:					
In freight trains:					
Freight loaded	2,028,846,873	1,996,837,285	2,003,297,777	2,103,242,993	2,276,917,484
Freight empty	1,156,562,477	1,176,025,443	1,190,733,466	1,297,171,950	1,422,743,681
Carsense	64,414,510	61,722,930	62,143,573	64,660,810	69,025,365
Totals	3,249,823,860	3,234,585,658	3,256,174,816	3,465,075,753	3,768,666,530
In passenger trains - Transportation service	5,920,116	6,426,964	6,084,469	7,351,545	13,702,507
Total transportation service	3,255,743,976	3,241,012,622	3,262,259,285	3,472,427,298	3,782,389,037
Work train service	12,104,988	10,332,405	8,633,201	10,366,143	7,477,104
Passenger car miles - Transportation service:					
In passenger trains:					
Locomotive drawn:					
Self-propelled car	139,162	100,849	63,557	118,680	393,740
Coach (including colonist)	71,624,451	63,329,286	58,475,251	58,499,899	65,313,985
Sleeping, parlour and observation	90,602,918	75,457,769	72,044,374	71,296,489	85,126,332
Dining	15,047,731	12,866,781	13,099,362	14,288,329	19,299,312
Express	70,753,773	66,845,328	63,705,209	56,641,357	53,886,162
Other head-end	55,468,406	54,216,296	51,769,082	49,689,531	49,311,879
Other	2,143,957	1,930,960	2,099,628	1,801,006	1,542,359
Totals	305,780,398	274,747,269	261,256,463	252,335,291	274,873,769
Self-propelled car drawn:					
Self-propelled	10,624,808	10,148,251	10,027,462	9,996,539	9,795,233
Coach (including colonist)	851,265	796,666	814,984	890,168	915,980
Sleeping, parlour and observation	-	-	-	-	-
Dining	-	-	-	-	-
Express	27,854	2,784	378	8,964	-
Other head-end	4,724	1,902	308	-	-
Other	156	139	74	152	-
Totals	11,508,807	10,949,742	10,843,206	10,895,823	10,711,213
Total drawn (locomotive and self-propelled car):					
Self-propelled car	10,763,970	10,249,100	10,091,019	10,115,219	10,188,973
Coach (including colonist)	72,475,716	64,125,952	59,290,235	59,390,067	66,229,965
Sleeping, parlour and observation	90,602,918	75,457,769	72,044,374	71,296,489	85,126,332
Dining	15,047,731	12,866,781	13,099,362	14,288,329	19,299,312
Express	70,781,627	66,848,112	63,705,587	56,650,321	53,886,162
Other head-end	55,473,130	54,218,198	51,769,390	49,689,531	49,311,879
Other	2,144,113	1,931,099	2,099,702	1,801,158	1,542,359
Totals	317,289,205	285,697,011	272,099,669	263,231,114	285,584,982
In freight trains - Transportation service	27,706,623	26,215,396	24,850,002	22,711,103	23,356,401
Totals transportation service	344,995,828	311,912,407	296,949,671	285,942,217	308,941,383
Work train service	7,144	4,366	3,398	13,254	1,998

^r Discontinued 1962. Detail not considered statistically useful.

TABLE 9. Operating Statistics, 1960-64 - Continued

	1960	1961	1962	1963	1964
Averages:					
Locomotive miles in transportation service per mile of road	2,751	2,572	2,535	2,576	2,736
Train miles in transportation service per mile of road	2,182	2,041	1,998	2,031	2,151
Loaded freight cars per freight train	31.76	32.96	33.22	33.58	34.09
Empty " " " " "	18.10	19.41	19.74	20.71	21.30
Total freight train cars per freight train	50.87	53.38	53.99	55.32	56.43
Passenger train cars per passenger train drawn by locomotive	10.97	10.98	11.18	11.25	11.77
Passenger cars per passenger train drawn by locomotive	5.83	5.55	5.59	5.79	6.46
Freight traffic - Revenue freight (tons - 2,000 lb.):					
Originated on Canadian railways	133,854,651	131,127,797	138,435,127	148,834,318	164,786,979
Received from U.S. connections	24,607,483	21,952,520	22,495,214	22,901,308	24,909,406
Total tons originated	158,462,134	153,080,317	160,930,341	171,735,626	189,696,385
Interchanged between Canadian railways	20,374,634	21,438,087	21,908,835	21,617,906	21,349,007
Total tons	178,836,768	174,518,404	182,839,176	193,353,532	211,045,392
Tons carried one mile	'000 65,444,784	65,828,403	67,937,162	75,796,023	85,032,999
Tons originated per mile of road	3,515	3,407	3,591	3,839	4,276
Tons carried one mile (rail line) per mile of road	1,451,410	1,464,492	1,515,811	1,694,071	1,916,805
Average miles hauled per revenue ton - All railways ²	413	430	422	441	448
Freight traffic - Revenue and non-revenue freight (tons - 2,000 lb.):					
Tons carried	188,374,920	183,337,077	194,203,150	205,877,076	219,042,535
Tons carried one mile	'000 67,325,782	67,630,310	69,686,371	77,620,128	86,767,613
Tons per loaded car mile in transportation service (revenue and non-revenue)	33.11	33.79	34.71	36.81	37.92
Gross ton miles - Freight train cars	'000 146,062,923	145,388,910	148,190,351	161,029,748	179,143,759
Passenger train cars	'000 22,801,891	20,444,377	19,794,222	19,464,049	20,581,890
Totals	'000 168,864,815	163,833,287	167,984,573	180,493,797	199,725,649
Gross ton miles per freight train mile	2,286	2,399	2,457	2,571	2,682
Gross ton miles (transportation service) per mile of road	3,745,477	3,690,433	3,748,401	4,034,463	4,502,483
Train hours - Freight service	3,152,478	2,898,801	2,827,247	3,132,623	3,289,075
Passenger traffic:					
Passengers carried	19,497,233	18,783,732	19,257,772	20,635,664	22,914,810
Passengers carried one mile	'000 2,263,795	1,960,591	2,018,842	2,069,565	2,681,284
Passengers carried per mile of road	432	418	430	461	517
Passengers carried one mile per mile of road	50,212	43,631	45,048	46,260	60,444
Average number of passengers per passenger train car in transportation service	7	6	7	7	9
Average number of passengers per passenger car in transportation service	13	13	14	14	16
Average passenger journey	116.1	104.4	104.8	100.3	117.0
Freight revenues - Rail line:					
Freight receipts	\$ 992,739,695	1,012,969,006	1,019,548,627	1,067,288,649	1,169,534,379
Switching receipts	\$ 7,728,402	7,135,785	7,604,645	7,088,936	8,013,367
Other freight train receipts and water transfers	\$ 1,733,109	1,626,927	1,630,032	1,802,681	1,762,588
Total freight revenues	\$ 1,002,201,206	1,021,731,718	1,028,783,304	1,076,180,266	1,179,310,334
Average freight revenue per mile of road	\$ 22,229	22,737	22,956	24,055	26,586
Average freight receipts per mile of road	\$ 22,019	22,542	22,750	23,856	26,365
Average freight receipts per freight train mile	\$ 15.54	16.72	16.91	17.04	17.51
Average freight receipts per loaded freight car mile in transportation service	¢ 48.82	50.61	50.78	50.61	51.11
Average freight receipts per ton originated	¢ 6.26	6.62	6.34	6.21	6.17
Average freight receipts per ton mile	¢ 1.517	1.539	1.501	1.408	1.375
Passenger revenues - Rail line:					
Passenger receipts	\$ 69,154,309	61,229,591	60,616,581	59,540,654	63,738,236
Sleeper, parlour and chair car receipts	\$ 10,227,842	8,587,575	8,841,354	8,381,417	8,857,891
Baggage	\$ 307,093	275,504	269,608	187,377	203,395
Mail	\$ 17,432,364	16,905,032	16,333,763	15,947,761	16,191,214
Express	\$ 21,779,676	16,121,148	17,568,697	14,796,200	14,929,866
Milk	\$ 193,789	167,383	119,624	130,150	107,486
Other passenger train revenue and water transfers	\$ 206,893	210,637	230,932	245,179	281,398
Total passenger train revenues	\$ 119,301,966	103,496,870	103,980,559	99,228,738	104,309,486
Average passenger train revenue per mile of road	\$ 2,646.16	2,303.21	2,320.02	2,218.00	2,351.48
Average passenger train revenue per passenger train mile	\$ 3.46	3.32	3.56	3.51	3.64
Average passenger train revenue per passenger train car in transportation service	¢ 34.58	33.18	35.02	34.70	33.76
Average passenger receipts per passenger per railway	¢ 3.55	3.26	3.15	2.89	2.78
Average passenger receipts per passenger mile	¢ 3.05	3.12	3.00	2.88	2.88
Average passenger receipts per passenger car in transportation service	¢ 38.52	39.57	41.55	41.17	38.64
Average sleeper, etc., receipts per sleeper, etc. car miles	¢ 11.26	11.31	12.19	11.69	10.55

² Computed by dividing total ton-miles by tons of freight originated.

TABLE 9. Operating Statistics, 1960-64 - Concluded

	1960	1961	1962	1963	1964
Gross revenues from operations:					
Freight, switching	\$ 1,002,201,206	1,021,731,718	1,028,783,304	1,076,180,286	1,179,310,334
Passenger	\$ 119,301,966	103,496,870	103,980,559	99,228,738	104,309,486
Other earnings from operation	\$ 30,152,284	31,252,112	32,532,859	34,800,795	40,802,872
Totals	\$ 1,151,655,456	1,156,480,700	1,165,296,722	1,210,209,799	1,324,422,492
Operating expenses	\$ 1,109,470,426	1,114,432,525	1,119,662,072	1,149,530,526	1,241,258,655
Net operating revenue	\$ 42,185,030	42,048,175	45,634,650	60,679,273	83,163,837
Operating ratio	\$ 96.34	96.36	96.08	94.99	93.72
Gross revenue per mile of road	\$ 25,544	25,736	26,002	27,051	29,857
Gross revenue per revenue train mile	\$ 11.71	12.61	13.02	13.32	13.88

TABLE 10. Taxes, 1960-64

	1960	1961	1982	1963	1964
dollars					
Provincial and municipal:					
Newfoundland	31,073	32,768	20,245	35,317	154,288
Prince Edward Island	5,595	5,601	9,494	Cr. 5,264	3,861
Nova Scotia	144,755	140,359	260,278	193,214	239,278
New Brunswick	516,399	361,625	405,391	421,270	371,312
Quebec	5,312,696	5,216,070	7,052,968	7,256,475	7,430,519
Ontario ¹	6,526,949	6,733,910	8,197,368	7,381,647	7,675,772
Manitoba	1,427,962	1,532,004	1,581,493	1,568,355	2,088,869
Saskatchewan	1,330,769	1,308,843	1,400,007	1,434,644	1,553,803
Alberta	1,070,398	1,110,957	1,171,552	1,212,322	1,169,740
British Columbia	2,426,545	2,653,397	2,479,861	2,552,488	3,067,538
Yukon	28,394	19,247	28,540	22,417 ²	23,760
Income and excise tax	31,823,040	33,511,027	26,477,599	34,573,871	47,551,721
Unemployment insurance	5,909,725	5,602,066	5,483,198	5,725,441	5,516,219
Other special tax	116,285	124,985	613,122 ³	1,258,402 ⁴	Cr. 161,236 ⁴
Outside Canada	3,315,072	2,926,115	2,982,744	2,875,469	2,988,082
Totals	59,985,657	61,278,974	58,163,860	66,526,068	79,673,516
Taxes paid by railway bridge companies	14,423	12,096	9,385	26,268	29,861
" " " pullman company	-	-	-	-	-
Grand totals	60,000,080	61,291,070	58,173,245	66,532,336	79,703,377

¹ Includes taxes on Lake Erie and Detroit River Railway which are paid as rent by the Chesapeake and Ohio Railway (Père Marquette District).² Includes \$495,000 Provision for possible taxation on Crown properties.³ Includes \$660,000 Provision for possible taxation on Crown properties and \$598,402 special taxes.⁴ Includes a Cr. of \$1,155,000 reversal of prior years provision for taxation on Crown property and \$993,764 special taxes.

TABLE 11. Traffic Carried, 1960-64

	1960	1961	1962	1963	1964
tons (2,000 lb.)					
Products of agriculture:					
Wheat	13,293,302	15,155,289	13,403,510	16,311,535	21,154,965
Corn	844,471	838,465	1,046,821	966,449	1,037,039
Sorghum grains	23,144	35,491	18,305	13,525	1,508
Oats	1,186,626	982,668	935,985	1,556,288	1,229,384
Barley	2,657,617	2,710,432	1,740,092	2,189,993	2,706,816
Rye	141,647	142,393	207,256	180,329	218,557
Rice	38,167	39,457	57,484	61,971	70,967
Grain, n.o.s.	47,354	61,093	78,613	52,314	53,951
Flour, wheat	1,639,965	1,480,964	1,504,838	1,545,738	1,859,599
Meal, corn	18,696	20,031	19,457	19,461	24,323

TABLE 11. Traffic Carried, 1960-64—Continued

	1960	1961	1962	1963	1964
tons (2,000 lb.)					
Products of agriculture—Concluded:					
Flour, edible, n.o.s.	84,410	135,757	86,094	81,668	231,181
Cereal food preparations, n.o.s.	256,594	272,014	235,262	244,213	275,501
Mill products, n.o.s.	1,299,575	1,269,924	1,149,053	1,248,380	1,722,438
Hay	65,271	114,416	61,864	61,374	27,608
Straw	7,900	27,983	7,731	1,077	749
Tobacco, unmanufactured	58,784	49,714	59,051	58,469	63,690
Tobacco siftings, sweepings and waste	2,479	1,150	3,665	915	1,005
Cotton in bales	117,837	124,567	127,779	122,761	139,923
Cotton linters, noils, and regins	36,140	35,064	32,427	40,012	38,020
Cottonseed	222	278	184	74	306
Cottonseed oil cake and meal	9,643	4,588	1,641	2,376	3,319
Cottonseed hulls and bran	1,418	3,792	638	223	1,970
Soybeans	51,165	100,285	103,315	85,107	115,298
Soybean oil cake and meal	551,795	511,437	564,859	507,990	258,237
Vegetable and nut oil cake and meal, n.o.s.	35,184	39,830	35,307	35,164	57,080
Apples, fresh, not frozen	91,286	87,105	81,400	108,180	116,196
Bananas, fresh	153,723	111,456	98,286	84,622	75,233
Berries, fresh, not frozen	2,620	1,770	1,441	577	1,014
Cantaloupes and melons, n.o.s.	59,098	27,510	37,027	37,576	58,729
Grapes, fresh	81,553	79,529	84,650	101,423	101,158
Lemons, limes, and citrus fruits, n.o.s.	20,535	16,332	20,055	16,152	17,923
Oranges and grapefruit	192,861	162,180	146,767	150,548	201,788
Peaches, fresh, not frozen	22,026	22,054	18,177	15,293	12,714
Pears, fresh, not frozen	20,563	18,905	20,189	24,981	23,650
Watermelons	29,348	20,130	19,470	23,216	9,829
Fruits, fresh, n.o.s., not frozen	31,336	31,464	40,273	26,203	44,711
Fruits, dried, dehydrated, and evaporated, n.o.s.	27,398	22,050	24,265	20,964	25,537
Fruits and berries, fresh, frozen	18,321	14,385	19,494	15,465	20,004
Coffee	84,384	72,942	77,183	77,036	58,221
Cabbage	28,923	26,594	18,803	25,349	26,345
Celery	38,994	38,761	32,028	46,308	52,257
Lettuce	78,571	83,849	89,031	111,925	147,619
Onions, dry	39,475	26,661	32,583	46,598	58,411
Potatoes, other than sweet	710,573	611,646	806,160	797,953	845,992
Tomatoes	77,518	70,589	73,609	69,614	62,285
Vegetables, fresh, n.o.s., not frozen	153,832	160,072	143,014	164,362	135,487
Beans and peas, dried	91,322	106,559	105,893	120,689	125,813
Vegetables, dried, dehydrated, and evaporated, n.o.s.	4,066	3,753	2,631	2,378	3,427
Vegetables, fresh, frozen	28,179	40,889	28,292	33,475	46,220
Peanuts	12,036	10,012	23,048	21,936	29,927
Sugar beets	689,596	650,597	477,670	609,150	618,206
Malt, n.o.s.	367,653	413,224	365,659	412,017	444,392
Flaxseed	540,562	481,201	451,432	366,712	656,616
Seeds, n.o.s.	406,221	309,475	261,652	270,750	239,115
Products of agriculture, n.o.s.	94,480	133,665	95,926	113,116	134,116
Totals	26,666,459	28,012,441	25,177,337	29,303,974	35,686,429
Animals and products:					
Horses, mules, ponies, and asses	11,865	10,378	9,894	9,575	8,917
Cattle and calves, single-deck	261,878	275,807	227,117	191,741	231,713
Calves, double-deck	1,331	3,147	4,300	2,830	1,934
Sheep and goats, single-deck	6,042	6,810	3,805	2,085	2,158
Sheep and goats, double-deck	10,280	14,026	11,726	5,491	3,402
Swine, single-deck	115,703	95,770	70,394	48,083	41,621
Swine, double-deck	22,399	36,529	49,087	61,726	72,960
Meats, fresh, n.o.s.	515,420	473,206	473,199	547,921	641,330
Meats, cooked, cured, dried, and smoked	46,483	38,237	40,452	52,377	52,487
Packing house products, edible, n.o.s.	201,008	106,527	77,954	72,052	63,021
Margarine, n.o.s.	18,609	25,459	24,853	22,596	16,356
Poultry, live	736	465	377	157	307
Poultry, dressed and frozen	28,636	35,298	34,728	34,743	31,020

TABLE 11. Traffic Carried, 1960-64 - Continued

	1960	1961	1962	1963	1964
tons (2,000 lb.)					
Animals and products — Concluded:					
Eggs	5,414	4,122	3,137	6,318	2,794
Butter	54,931	55,309	50,649	53,251	75,154
Cheese	54,919	50,152	56,911	67,274	58,821
Dairy products, n.o.s.	2,899	3,260	2,521	3,537	13,623
Wool and mohair in grease	25,802	31,004	23,246	18,188	16,508
Wool and mohair, n.o.s.	12,205	15,966	13,399	11,118	13,023
Hides, skins, and pelts, n.o.s.	123,089	144,118	135,044	116,614	127,207
Leather, n.o.s.	2,839	2,235	4,408	4,958	3,076
Sea food, n.o.s.	52,223	49,353	38,357	37,142	48,658
Fish and sea animal oil	19,115	32,099	49,520	43,169	27,116
Animals and products, n.o.s.	101,625	109,935	103,206	116,091	110,093
Totals	1,695,451	1,619,212	1,508,284	1,529,037	1,664,139
Products of mines:					
Anthracite coal, n.o.s.	1,377,962	1,134,688	977,969	962,083	790,245
Anthracite coal to breakers and washeries	142	14,180	34,024	—	—
Bituminous coal	11,259,474	10,461,389	10,184,111	10,002,904	10,449,727
Coke	1,582,395	1,571,791	1,356,092	1,394,295	1,764,196
Iron ore	18,688,634	16,897,166	24,239,159	27,698,186	25,725,343
Aluminum ore and concentrates	2,930,538	2,165,061	1,841,664	1,857,330	2,300,742
Copper ore and concentrates	653,964	686,243	769,427	885,001	1,213,601
Copper-nickel (nickel) ore and concentrates	3,009,773	3,850,102	2,857,401	2,135,841	2,940,797
Lead ore and concentrates	299,652	307,980	286,608	309,923	413,208
Zinc ore and concentrates	641,965	836,525	1,168,650	1,198,566	1,735,568
Ores and concentrates, n.o.s.	2,162,310	1,574,260	1,068,747	977,514	740,188
Barytes	48,305	35,999	20,413	48,898	28,286
Clay and bentonite	390,868	361,187	414,708	459,980	536,612
Sand, Industrial	715,965	744,445	805,784	791,512	931,571
Gravel and sand, n.o.s.	5,592,658	5,048,931	5,452,696	5,722,289	6,839,214
Stone and rock: broken, ground, and crushed	5,952,700	5,237,255	5,017,049	5,430,004	5,387,391
Fluxing stone and raw dolomite	261,907	139,391	73,054	77,704	571,399
Stone, rough, n.o.s.	56,266	109,940	149,799	79,530	45,485
Stone, finished, n.o.s.	27,382	19,991	18,133	18,483	22,709
Petroleum, crude	633,632	523,317	642,770	424,980	455,007
Asphalt	382,186	331,243	333,485	349,628	346,500
Salt	1,167,670	1,275,427	1,587,575	1,194,617	1,268,105
Phosphate rock	668,903	796,295	1,024,374	1,023,821	1,159,566
Sulphur	406,308	532,604	775,359	1,309,600	1,890,805
Asbestos, not further processed than milled	1,067,202	1,073,129	1,073,988	1,054,276	1,206,608
Gypsum, crude	3,431,907	4,002,471	4,451,586	4,841,053	4,888,650
Products of mines, n.o.s.	2,130,527	1,657,634	1,592,217	1,580,954	1,590,858
Totals	65,541,195	61,388,644	68,236,842	71,828,970	75,242,381
Products of forests:					
Logs, butts, and bolts	2,070,962	1,655,832	2,240,469	2,300,412	2,563,702
Posts, poles, and piling, wooden	413,744	401,548	362,210	332,550	314,981
Wood fuel	16,077	11,595	11,855	9,165	8,764
Ties, railroad	107,847	69,661	57,934	68,272	73,993
Pulpwood	4,794,373	4,574,296	4,867,930	4,857,912	6,026,932
Lumber, shingles, and lath	6,361,573	6,398,233	6,608,073	6,941,623	7,241,194
Box, crate, and cooperage materials	50,166	45,412	45,448	41,128	43,470
Veneer, plywood, and built-up wood	735,936	859,210	855,776	887,076	989,971
Rosin and turpentine	21,450	20,653	18,221	58,063	19,869
Products of forests, n.o.s.	388,069	455,264	373,409	431,242	448,568
Totals	14,960,197	14,491,704	15,441,325	15,927,443	17,731,444
Manufactures and miscellaneous:					
Gasoline	3,534,790	2,958,634	2,812,250	2,917,987	2,755,919
Fuel, road, and petroleum residual oils, n.o.s.	3,326,756	2,980,107	3,111,273	3,498,344	3,894,587
Lubricating oils and greases	351,257	328,767	325,160	317,619	343,044
Petroleum products, refined, n.o.s.	638,562	620,376	713,974	913,140	1,131,137

TABLE 11. Traffic Carried, 1960-64 - Continued

	1960	1961	1962	1963	1964
tons (2,000 lb.)					
Manufactures and miscellaneous - Continued:					
Gases, other than petroleum, n.o.s.	404,819	436,481	450,605	486,062	600,709
Cottonseed oil	25,744	26,496	29,149	32,666	49,405
Linseed oil	17,799	14,375	13,690	12,158	14,838
Soybean oil	114,413	73,239	111,816	110,833	51,377
Vegetable and nut oils, n.o.s.	71,387	93,480	99,003	87,071	68,589
Oils, n.o.s.	15,032	19,057	20,892	23,408	35,302
Oil foots, sediment, and tank bottoms	11,739	11,678	26,727	19,597	5,950
Rubber crude, natural, and synthetic	217,871	192,634	220,382	209,121	202,615
Rubber goods, n.o.s.	13,260	12,481	11,639	11,138	11,401
Chemicals, n.o.s.	970,282	966,304	1,209,510	1,135,773	1,703,832
Sulphuric acid	79,965	84,765	94,851	173,333	208,196
Acids, n.o.s.	104,740	80,894	87,833	110,449	76,073
Sodium (soda) products	1,098,227	1,053,703	1,003,581	1,105,284	1,271,022
Alcohol, n.o.s.	57,807	55,125	57,869	64,937	86,658
Blacks, n.o.s.	37,748	45,163	67,480	58,909	60,758
Fertilizers, n.o.s.	2,126,095	2,207,462	2,523,154	3,352,315	3,693,204
Insecticides and fungicides, n.o.s.	22,309	24,242	24,103	20,385	18,062
Tar, pitch, and creosote	188,178	146,584	138,507	120,286	155,681
Tanning material, n.o.s.	3,624	6,038	4,998	2,706	3,367
Paint, paint material, putty and varnish	111,237	123,582	127,011	125,824	138,401
Plastics	101,043	97,584	127,950	131,334	172,236
Cellulose articles, n.o.s.	7,793	8,066	12,600	16,907	20,121
Drugs, medicines, and toilet preparations	25,401	20,273	21,648	17,719	19,767
Aluminum: bar, ingot, pig, and slab	390,892	366,121	463,543	520,501	519,107
Aluminum, n.o.s.	76,512	69,341	81,120	115,192	106,834
Copper: ingots, and pig	547,594	526,188	508,630	513,606	344,984
Copper, brass, and bronze, n.o.s.	291,393	273,019	242,081	257,218	441,540
Lead and zinc: bar, ingot, and pig	432,606	443,701	474,234	459,294	515,850
Lead and zinc, n.o.s.	4,374	3,454	4,514	6,264	6,881
Magnesium metal and alloy	11,893	7,556	8,353	8,958	8,664
Alloys for steel manufacture	147,277	127,197	141,265	137,026	125,699
Matte	326,530	346,400	309,065	247,665	265,506
Metals and alloys, n.o.s.	71,206	109,212	104,371	115,852	102,925
Iron, pig	185,334	163,128	188,848	235,054	238,190
Iron and steel: billet, bloom, and ingot	439,018	257,957	323,772	310,151	375,121
Iron and steel: bar, rod, and slab	411,593	522,473	461,795	592,255	856,992
Iron and steel, n.o.s.	104,027	51,755	148,456	189,916	52,637
Iron and steel nails and wire (woven and not woven) n.o.s.	100,675	91,578	101,018	95,794	94,947
Manufactured iron and steel	2,446,212	2,037,542	2,318,205	2,467,202	3,329,606
Cast iron pipe and fittings	20,490	17,722	19,667	22,232	71,129
Iron and steel pipe and fittings, n.o.s.	484,215	638,178	397,551	429,705	601,102
Tanks, n.o.s.	31,876	27,186	29,329	38,799	29,838
Agricultural implements, n.o.s.	235,245	203,375	212,266	256,703	274,072
Agricultural implement parts, n.o.s.	15,420	18,467	14,169	16,011	29,455
Machinery and machines, n.o.s.	434,324	362,597	398,600	379,472	659,164
Machinery parts	97,907	89,434	118,518	126,478	160,180
Business and office machines, n.o.s.	1,594	1,387	1,566	911	1,553
Railway equipment moved on own wheels	46,021	47,903	55,631	71,637	87,126
Railway equipment, S.U. not moved on own wheels	4,215	5,004	6,786	5,625	4,894
Railway equipment parts	50,387	56,125	56,053	50,826	84,128
Rails and railway track material, iron and steel	135,313	113,295	138,999	199,972	176,534
Vehicles, other than motor	16,501	16,418	17,224	16,864	23,442
Automobiles, passenger	407,635	368,209	428,990	527,263	652,264
Automobiles, freight	54,432	51,119	60,957	78,999	116,244
Vehicles, motor, n.o.s.	135,105	114,935	117,319	121,436	119,367
Military vehicles, n.o.s.	3,315	3,425	8,969	5,622	7,081
Automobiles and autotrucks, k.d.	40,625	27,104	25,919	28,341	32,283
Vehicle parts, n.o.s.	1,493,782	1,226,692	1,487,882	1,508,242	1,478,011
Airplanes, aircraft, and parts	3,987	4,993	3,519	2,653	1,573
Tires and tubes, rubber	98,624	88,852	95,601	96,140	99,172
Guns, small arms, and parts, n.o.s.	4,757	3,603	2,150	1,294	1,008

TABLE 11. Traffic Carried, 1960 - 64 - Continued

	1960	1961	1962	1963	1964
tons (2,000 lb.)					
Manufactures and miscellaneous - Continued:					
Ammunition and explosives.....	86,622	56,811	71,607	69,958	68,771
Cement: natural and portland.....	1,212,139	1,415,440	1,403,637	1,313,805	1,721,043
Cement, n.o.s.....	115,189	129,818	155,943	137,221	66,704
Brick, common.....	23,210	19,571	31,188	23,834	88,086
Brick, n.o.s. and building tile.....	327,365	302,656	273,942	226,853	140,731
Refractories.....	296,441	260,368	255,504	249,104	276,993
Artificial stone, n.o.s.....	37,219	47,294	36,649	43,936	59,448
Lime, n.o.s.....	510,532	465,824	651,363	666,360	636,416
Plaster: stucco and wall.....	108,653	98,850	109,539	95,120	86,215
Sewer pipe and drain tile (not metal).....	47,350	42,230	46,392	49,255	15,176
Broken or ground brick, blocks, crockery, and glass.....	15,756	13,999	29,930	17,937	33,324
Woodpulp.....	2,518,188	2,688,225	3,048,415	3,186,693	3,431,137
Scrap paper and rags.....	259,464	260,674	289,613	291,629	332,406
Newspaper paper.....	4,236,852	4,397,864	4,232,493	4,121,218	4,497,987
Printing paper, n.o.s.....	744,351	631,455	732,065	747,906	798,921
Wrapping paper.....	218,065	199,756	204,814	187,808	199,823
Paper bags.....	64,127	61,549	58,303	57,123	62,629
Paper and paper articles, n.o.s.....	349,652	339,031	373,281	403,813	447,220
Printed matter, n.o.s.....	39,758	42,221	51,146	34,417	26,572
Paperboard, fibreboard, and pulpboard.....	604,726	596,732	607,082	663,429	726,708
Wallboard.....	380,414	326,374	351,497	336,529	352,170
Building paper and prepared roofing materials.....	173,955	156,084	148,496	138,795	151,099
Insulating materials, n.o.s.....	114,232	109,396	103,194	101,949	113,916
Building woodwork and millwork.....	50,743	56,422	57,775	47,970	59,304
Building materials, n.o.s.....	20,367	19,943	25,892	20,423	13,655
Buildings and houses, fabricated and portable, n.o.s.....	8,406	6,996	18,746	11,539	14,597
Asbestos articles, n.o.s.....	4,846	4,862	4,903	5,416	7,315
Electrical equipment and parts, n.o.s.....	118,527	102,612	107,588	109,101	138,629
Furnaces, heaters, radiators, and parts.....	34,911	30,905	30,600	25,708	31,409
Bathroom and lavatory fixtures and sinks.....	21,375	22,190	18,952	18,998	18,791
Hardware, n.o.s.....	21,271	24,073	18,014	14,860	23,379
Glass.....	76,915	73,304	86,034	78,179	102,901
Glassware, n.o.s.....	47,495	42,742	48,198	41,521	48,173
Glass bottles, jars, and packing glasses, n.o.s.....	138,705	118,156	154,164	129,594	142,331
Chinaware, crockery and earthenware.....	8,611	7,545	8,197	8,201	8,618
Woodenware.....	26,320	25,898	23,064	23,836	32,993
Household utensils, n.o.s.....	9,160	7,504	7,631	6,306	6,617
Refrigerators, freezing apparatus, and parts.....	76,411	67,428	67,678	71,666	67,274
Laundry equipment.....	41,878	39,525	42,520	40,029	40,316
Stoves, ranges and parts.....	25,993	21,875	20,216	19,576	22,048
Floor covering.....	28,891	27,945	32,629	61,115	64,903
Furniture, n.o.s.....	71,789	61,036	68,018	71,119	82,059
Furniture parts.....	5,319	3,468	3,533	4,362	6,382
Tools and parts, n.o.s.....	5,106	5,138	4,345	3,531	4,658
Abrasives, other than crude.....	19,679	18,871	35,530	29,291	25,928
Bagging: burlap, cotton, gunny, and jute, n.o.s.....	22,626	25,184	30,279	34,171	29,475
Bags: burlap, cotton, gunny, and jute, n.o.s.....	8,079	12,864	4,698	3,637	4,887
Cotton cloth and cotton fabrics, n.o.s.....	23,499	23,689	25,542	26,528	32,279
Cotton factory products.....	20,168	17,736	16,711	17,448	15,501
Synthetic fibre and yarns (rayon and nylon).....	8,248	5,053	16,182	16,123	23,565
Cloth and fabrics, n.o.s.....	4,854	5,907	11,437	13,375	13,540
Rope, cordage, and binder twine, n.o.s.....	29,112	27,631	38,697	37,363	37,340
Boots, shoes, and findings, n.o.s.....	11,827	10,464	12,502	9,027	10,220
Luggage and handbags, n.o.s.....	957	862	918	1,085	80
Athletic, gymnasium, playground, and sporting equipment, n.o.s.....	4,533	3,513	3,675	3,465	2,457
Games and toys.....	7,672	6,903	6,207	6,943	8,642
Liquors, alcoholic, n.o.s.....	108,477	105,405	118,295	118,628	128,005
Wine.....	43,570	42,965	40,347	42,787	42,773
Liquors, malt.....	563,381	650,130	646,918	642,845	635,292
Beverages, n.o.s.....	16,513	18,182	18,536	20,603	21,332

TABLE 11. Traffic Carried, 1960-64 - Concluded

	1960	1961	1962	1963	1964
tons (2,000 lb.)					
Manufactures and miscellaneous - Concluded:					
Ice	7,715	1,425	4,147	6,631	3,882
Syrup and molasses, refined	123,622	143,512	173,031	189,251	210,799
Molasses, residual	90,902	56,933	70,097	87,610	108,076
Sugar	576,991	547,980	579,327	610,582	604,509
Candy and confectionery	84,110	86,660	90,046	84,731	88,611
Food products, n.o.s., in cans and packages, not frozen	1,440,969	1,313,466	1,338,341	1,389,141	1,482,549
Food products, n.o.s. frozen	43,209	48,290	63,926	56,756	63,308
Starch	94,957	95,001	109,180	116,981	136,625
Soap and cleaning and washing compounds	163,153	143,362	177,320	186,280	167,051
Matches	2,490	3,482	3,765	3,732	3,800
Feed, animal and poultry, n.o.s.	1,364,632	1,233,505	1,487,652	1,555,022	1,618,957
Manufactured tobacco, n.o.s.	8,820	6,457	4,368	4,850	3,193
Cigarettes	38,136	44,748	40,445	31,332	29,610
Containers, metal	168,830	158,603	171,140	165,179	145,129
Containers, wooden	25,343	28,275	28,487	32,180	32,918
Containers, fibreboard and paperboard, k.d.	80,328	63,172	67,718	57,522	49,998
Containers, n.o.s.	51,465	44,456	49,474	47,650	63,490
Containers, returned empty	250,148	258,034	256,977	244,248	233,637
Scrap iron and scrap steel	1,128,166	1,139,926	1,131,288	1,413,518	1,656,025
Iron and steel borings, turnings, etc.	53,197	30,566	58,056	38,985	36,283
Furnace slag	76,783	85,832	115,034	167,504	255,263
Waste materials for remelting, n.o.s.	316,345	275,741	265,225	266,567	286,493
Waste materials, n.o.s.	170,542	107,440	83,728	73,434	174,219
Manufactures and miscellaneous, n.o.s.	4,229,786	4,483,817	4,788,212	4,899,548	5,770,735
Total manufactures and miscellaneous	48,285,917	46,378,066	49,342,838	52,062,773	58,413,648
Grand totals, carload traffic	157,149,219	151,890,067	159,706,626	170,652,197	188,738,041
All l.c.l. freight	1,312,915	1,190,250	1,223,715	1,083,429	958,344
Grand totals, carload and l.c.l. traffic	158,462,134	153,080,317	160,930,341	171,735,626	189,696,385

TABLE 12. Freight Cars in Service at December 31,¹ 1960-64

	Number	Capacity	
		Total	Average
tons (2,000 lb.)			
Automobile:			
1960	7,249	323,480	44.624
1961	7,225	322,490	44.635
1962	7,204	321,570	44.638
1963	7,113	317,300	44.608
1964	6,907	307,290	44.490
Ballast:			
1960	3,126	184,575	59,007
1961	3,113	183,785	59,038
1962	3,054	179,040	58,625
1963	3,009	176,770	58,747
1964	2,977	177,065	59,478

¹ Excludes privately-owned railway cars.

TABLE 12. Freight Cars in Service at December 31,¹ 1960-64 - Concluded

	Number	Capacity	
		Total	Average
tons (2,000 lb.)			
Box:			
1960	111,217	5,224,718	46.978
1961	108,239	5,103,650	47.152
1962	106,988	5,058,825	47.284
1963	104,593	4,956,759	47.391
1964	103,108	4,905,624	47.578
Flat:			
1960	12,645	606,611	47.972
1961	12,164	585,230	48.112
1962	12,261	601,297	49.041
1963	12,430	618,276	49.741
1964	12,755	653,072	51.201
Gondola:			
1960	20,310	1,334,443	65.704
1961	20,168	1,321,680	65.534
1962	19,729	1,299,412	65.863
1963	19,323	1,276,935	66.084
1964	19,046	1,332,675	69.971
Hopper:			
1960	15,578	1,041,790	66.876
1961	15,571	1,043,360	67.007
1962	16,089	1,080,495	67.157
1963	16,031	1,077,913	67.239
1964	16,981	1,151,500	67.811
Ore:			
1960	5,930	473,261	79.608
1961	5,892	467,691	79.377
1962	6,379	517,071	81.058
1963	6,337	523,902	82.674
1964	5,977	488,422	81.717
Refrigerator:			
1960	10,076	449,260	44.587
1961	8,635	394,500	45.686
1962	8,207	387,600	47.228
1963	7,806	371,512	47.583
1964	7,555	366,862	48.559
Stock:			
1960	4,917	178,655	36.334
1961	4,589	167,860	36.579
1962	4,352	161,790	37.176
1963	3,952	149,690	37.877
1964	3,281	128,350	39.119
Tank:			
1960	472	23,360	49.492
1961	479	23,570	49.207
1962	544	27,497	50.546
1963	546	27,034	49.513
1964	526	25,762	48.977
Other:			
1960	31	1,050	33.871
1961	312	12,870	41.250
1962	362	17,120	47.273
1963	579	30,260	52.263
1964	741	41,120	55.493
Totals:			
1960	191,553	9,841,203	51.376
1961	186,387	9,626,686	51.649
1962	185,169	9,651,717	52.124
1963	181,719	9,526,351	52.424
1964	179,854	9,577,742	53.253

¹ Excludes privately-owned railway cars.

TABLE 13. Passenger Cars in Service at December 31, 1960-64

	1960	1961	1962	1963	1964
Self-propelled passenger train cars	111	103	99	98	100
Coach	1,342	1,237	1,142	1,054	1,037
Combination passenger	172	152	145	135	131
Colonist	88	81	53	50	46
Dining	149	134	131	131	137
Parlour	137	127	122	129	135
Sleeping	861	804	716	676	645
Baggage, express and postal	2,218	2,061	1,933	1,866	1,721
Other	41	38	37	33	33
Totals¹	5,119	4,737	4,378	4,172	3,985
Cars in company service:					
Caboose	3,051	2,902	2,748	2,635	2,560
All other	16,114	15,774	15,760	15,232	14,680
Totals	19,165	18,676	18,508	17,867	17,240
Cars leased (included in above)	4,417	4,353	4,190	5,298	4,516

¹ Includes Pullman Co. cars in Canadian service.

TABLE 14. Locomotives in Service at December 31, 1960-64

	1960	1961	1962	1963	1964
number					
Locomotives:					
Steam:					
Coal burning	335	144	104	1	1
Oil burning	68	53	34	6	—
Diesel electric:					
"A" units	447	446	442	450	420
"B" units	184	183	181	186	176
Road switcher units	1,952	1,956	1,975	1,994	1,981
Yard switcher units	725	724	722	717	704
Electric	41	41	39	31	22
Totals	3,752	3,547	3,497	3,385	3,304
Leased (included in above)	36	36	52	102	45
Tractive power, average pounds per locomotive	55,791	56,597	56,807	58,141	58,213

TABLE 15. Fuel Consumed by Motive Power at December 31, 1960-64

	1960	1961	1962	1963	1964
Locomotives					
Consumption:					
Bituminous coal	ton	76,485	10,581	512	569
Fuel oil	gal.	7,258,458	70,233	52,004	10,758
Diesel oil	"	340,891,928	337,701,023	339,605,658	357,547,063
Crude oil	"	—	985,106	3,307,668	2,099,419
Gasoline	"	—	—	600	—
Cost:					
Bituminous coal	\$	810,998	104,381	5,058	6,061
Fuel oil	\$	354,489	6,445	5,570	1,145
Diesel oil	\$	45,163,403	44,430,226	45,153,704	47,640,076
Crude oil	\$	—	84,587	298,215	198,851
Gasoline	\$	—	—	165	—
Average cost per ton or gal.:					
Bituminous coal	\$	10.60	9.86	9.88	10.65
Fuel oil	¢	4.88	9.18	10.71	10.64
Diesel oil	¢	13.25	13.16	13.30	13.32
Crude oil	¢	—	8.59	9.02	9.47
Gasoline	¢	—	—	27.50	—
Rail motor cars, etc.					
Consumption:					
Fuel oil	gal.	—	—	—	—
Diesel oil	gal.	4,758,567	4,556,252	4,194,857	4,343,539
Gasoline	gal.	28,146	29,266	33,450	30,742
Total cost	\$	660,398	608,988	566,119	593,292
					587,629

TABLE 16. Fuel Consumed for Heating and Other Railway Purposes, 1960-64

		1960	1961	1962	1963	1964
Anthracite.....	ton	9,676	8,931	5,115	5,334	3,278
Bituminous.....	"	300,638	249,512	213,814	187,608	147,117
Sub-bituminous.....	"	19,275	46,671	21,069	12,173	8,951
Lignite.....	"	250,553	163,533	146,620	119,425	124,089
Fuel oil.....	gal.	39,110,742	40,257,975	42,492,114	45,002,764	48,860,620
Diesel oil.....	"	7,698,115	10,682,498	13,580,303	11,534,719	12,744,565
Gasoline.....	"	2,267,597	4,020,399	3,700,567	4,420,055	4,195,536
Gas.....	cu. ft.	837,958,806	820,786,896	1,036,420,240	1,219,892,053	1,082,397,651

TABLE 17. Rails Laid in Track, 1960-64

	1960	1961	1962	1963	1964
tons (2,000 lb.)					
In previously constructed track:					
New open hearth.....	177,999	132,629	118,636	152,692	140,049
Relay.....	152,743	149,829	145,951	115,924	135,260
Other.....	172	1,705	1,083	465	1,071
Totals	330,914	284,163	265,670	269,081	276,380
In new track and extension:					
New open hearth.....	2,013	4,036	1,844	1,624	308
Relay.....	24,365	39,216	25,847	23,206	28,794
Other.....	111	168	388	1,790	366
Totals	26,489	43,422	28,079	26,620	29,468

TABLE 18. Total Switch and Bridge Ties Placed in Track, 1960-64

	1960	1961	1962	1963	1964
Treated - M bd. feet.....	No.	10,368	10,070	10,216	10,970
Average cost.....	\$	124.33	110.72	115.68	121.27
Untreated - M bd. feet.....	No.	539	326	1,075	309
Average cost.....	\$	94.35	79.42	124.84	101.05
Totals - M bd. feet	No.	11,037	10,396	11,291	11,279
Average cost.....	\$	121.40	109.74	116.55	120.71

TABLE 19. Cross-ties Purchased, 1960-64

	1960	1961	1962	1963	1964
number					
Hardwood:					
Beech.....	135,446	56,997	86,381	96,920	111,452
Birch.....	250,865	112,521	197,642	175,904	179,679
Maple.....	295,007	200,272	361,899	319,925	398,893
Oak.....	311,590	27,693	66,922	44,094	41,292
Other hardwood.....	27,456	29,276	25,979	45,055	16,677
Totals	1,020,364	426,759	738,823	681,898	747,993
Softwood:					
Cedar.....	8,114	6,097	7,843	10,438	10,591
Fir.....	329,645	205,298	205,527	263,865	241,981
Hemlock.....	57,198	48,298	21,873	24,819	42,936
Pine.....	2,542,754	1,362,842	1,247,089	2,375,985	1,906,614
Tamarack.....	—	38,644	1,840	—	1,071
Other softwood.....	5,582	18,481	10,542	4,084	1,496
Totals	2,953,293	1,679,660	1,494,714	2,679,191	2,204,689

TABLE 20. Cross-ties Placed in Track, 1960-64

		1960	1961	1962	1963	1964
In previously constructed track:						
Treated ties	No.	3,745,360	3,531,119	3,245,392	3,228,567	2,857,714
Untreated ties	"	153,894	93,791	98,967	62,826	79,221
Totals	"	3,899,254	3,624,910	3,344,359	3,291,393	2,936,935
In new track and extensions:						
Treated ties	"	408,757	483,822	457,103	390,044	375,964
Untreated ties	"	19,277	11,495	9,275	13,372	72,467
Totals	"	428,034	495,317	466,378	403,416	448,431
Average cost:						
Treated ties.....	\$	3.00	2.99	2.86	2.83	2.99
Untreated ties	\$	1.76	1.73	1.72	1.77	1.74

TABLE 21. Persons Injured in Train and Non-train Accidents and Dying after Twenty-four Hours, 1960-64

	1960	1961	1962	1963	1964
number					
Trainmen.....	—	1	—	—	1
Switchtenders, watchmen, etc.	—	—	—	—	—
Stationmen	—	—	—	—	—
Shopmen	—	2	—	—	—
Trackmen	1	—	3	—	1
Telegraph employees	—	—	—	—	—
Other employees	—	—	—	—	—
Passengers.....	—	—	—	—	—
Postal - Express - Pullman employees	—	—	—	—	—
Trespassers	1	1	2	2	—
Other persons.....	7	3	—	7	—
Totals	9	7	5	9	2

TABLE 22. Time Lost by Employees through Injuries Incurred in Train and Non-train Accidents, 1960-64

		Class of accident	1960	1961	1962	1963	1964
Trainmen							
Number	Train	619	641	637	596	737	
"	Non-train	81	63	62	63	90	
Days absent		27,543	20,399	23,546	23,184	25,259	
Switchtenders, watchmen, etc.							
Number	Train	112	86	80	74	94	
"	Non-train	27	24	29	20	17	
Days absent		5,540	3,158	4,461	3,923	3,640	
Stationmen							
Number	Train	6	4	6	8	16	
"	Non-train	215	320	431	514	581	
Days absent		7,087	10,523	11,137	12,501	14,430	
Shopmen							
Number	Train	8	21	13	21	26	
"	Non-train	545	590	558	457	468	
Days absent		16,149	15,358	14,945	15,722	16,576	
Trackmen							
Number	Train	58	47	43	43	47	
"	Non-train	668	693	642	680	612	
Days absent		36,198	29,596	26,113	27,127	27,459	
Telegraph employees							
Number	Train	3	9	1	1	5	
"	Non-train	101	112	131	83	103	
Days absent		2,654	3,286	3,761	2,296	2,516	
Other employees							
Number	Train	89	73	97	110	153	
"	Non-train	151	137	137	95	183	
Days absent		7,543	6,877	6,980	4,746	6,463	
Totals							
Number	Train	895	881	877	853	1,078	
"	Non-train	1,788	1,939	1,990	1,912	2,054	
Days absent		102,714	89,197	90,943	89,499	96,343	

TABLE 23. Accidents Resulting from the Movement of Trains, 1960-64

Causes	1960	1961	1962	1963	1964
number					
Coupling and uncoupling	49	57	55	40	46
Collisions - Between:					
Railway rolling stock	29	37	27	28	29
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	369	351	363	396	379
At other points	53	54	53	57	49
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	8	15	6	2	7
At other points	2	3	3	5	3
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	23	13	11	15	17
At other points	123	103	132	81	113
Derailments	71	48	65	40	22
Locomotives or cars breaking down	10	2	9	-	9
Getting on or off trains	222	264	229	254	297
Falling from trains, locomotives or cars	61	62	50	60	72
Striking overhead or other obstructions	24	21	20	19	9
Other causes	524	501	556	530	700
Totals	1,568	1,531	1,579	1,527	1,752

TABLE 24. Passengers and Employees Killed and Injured in Train Accidents - By Cause, 1960-64

Causes	1960	1961	1962	1963	1964
Number of persons killed					
Passengers					
Coupling and uncoupling	-	-	-	-	-
Collisions - Between:					
Railway rolling stock	1	-	-	-	-
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	-	-	-	-	7
At other points	-	-	-	-	-
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossing	-	-	-	-	-
At other points	-	-	-	-	-
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	-	-	-	-	-
At other points	-	1	-	-	-
Derailments	-	-	-	-	-
Locomotives or cars breaking down	-	-	-	-	-
Getting on or off trains	-	-	-	-	1
Falling from trains, locomotives or cars	-	-	-	2	-
Striking overhead or other obstructions	-	-	-	-	-
Other causes	1	-	-	-	-
Totals	2	1	-	2	8
Employees					
Coupling and uncoupling	-	2	1	-	-
Collisions - Between:					
Railway rolling stock	5	4	-	1	-
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossing	-	-	-	1	-
At other points	-	-	-	2	-
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	-	-	-	-	4
At other points	-	-	-	-	-
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	-	-	-	-	-
At other points	3	5	3	6	10
Derailments	4	-	1	3	1
Locomotives or cars breaking down	-	-	1	-	-
Getting on or off trains	2	2	1	4	1
Falling from trains, locomotives or cars	4	1	2	5	1
Striking overhead or other obstructions	-	-	-	-	-
Other causes	6	8	10	1	6
Totals	24	22	19	23	23

TABLE 24. Passengers and Employees Killed and Injured in Train Accidents — By Cause, 1960-64 — Concluded

Causes	1960	1961	1962	1963	1964
Number of persons injured					
Passengers					
Coupling and uncoupling	—	—	—	—	—
Collisions — Between:					
Railway rolling stock	104	16	9	4	1
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	8	6	26	—	20
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	—	—	—	—	—
Derailments	5	—	9	43	3
Locomotives or cars breaking down	—	—	—	—	—
Getting on or off trains	7	14	20	28	40
Falling from trains, locomotives or cars	1	1	—	2	2
Striking overhead or other obstructions	—	—	—	1	—
Other causes	26	36	42	78	72
Totals	151	73	106	157	138
Employees					
Coupling and uncoupling	47	55	50	40	45
Collisions — Between:					
Railway rolling stock	48	34	18	32	34
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	4	3	17	7	9
At other points	—	—	2	—	2
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	14	25	9	2	7
At other points	4	3	2	5	6
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	—	—	—	—	—
At other points	9	9	11	13	15
Derailments	29	19	21	39	15
Locomotives or cars breaking down	8	2	7	—	9
Getting on or off trains	200	231	191	203	244
Falling from trains, locomotives or cars	51	45	37	39	57
Striking overhead or other obstructions	19	14	18	15	9
Other causes	462	441	494	458	626
Totals	895	881	877	853	1,078

TABLE 25. Persons Killed and Injured in Train Accidents — By Class of Victim, 1960-64

Class of person	1960	1961	1962	1963	1964
Number of persons killed					
Employees:					
Trainmen	12	10	5	15	7
Switchtenders, watchmen, etc.	3	2	—	—	—
Stationmen	1	—	—	—	2
Shopmen	—	2	1	2	1
Trackmen	6	8	11	5	11
Telegraph employees	—	—	2	—	—
Other employees	2	—	—	1	2
Total employees	24	22	19	23	23
Passengers	2	1	—	2	8
Postal — Express — Pullman employees	1	—	1	—	—
Trespassers	52	46	72	43	63
Other persons	183	159	161	158	159
Grand totals	262	228	253	226	251
Suicides	6	4	5	7	5

TABLE 25. Persons Killed and Injured in Train Accidents — By Class of Victim, 1960-64 — Concluded

Class of person	1960	1961	1962	1963	1964
Number of persons injured ¹					
Employees:					
Trainmen	619	641	637	596	737
Switchtenders, watchmen, etc.	112	86	80	74	94
Stationmen	6	4	6	8	16
Shopmen	8	21	13	21	26
Trackmen	58	47	43	43	47
Telegraph employees	3	9	1	1	5
Other employees	89	73	97	110	153
Total employees	895	881	877	853	1,078
Passengers	151	73	106	157	138
Postal—Express—Pullman employees	14	11	11	15	18
Trespassers	63	67	57	45	42
Other persons	463	419	414	517	493
Grand totals	1,586	1,451	1,465	1,587	1,769
Attempted suicides	3	1	—	—	—

¹ See page 22 for time lost through injuries.

TABLE 26. Persons Killed and Injured in Non-train Accidents — By Cause, 1960-64

Causes	1960	1961	1962	1963	1964
Number of persons killed					
Handling traffic	—	2	3	2	—
Handling machinery, tools, etc.	—	10	4	3	—
Getting on or off locomotives and cars at rest	—	—	—	1	1
Other causes	10	9	13	5	11
Totals	10	21	20	11	12
Number of persons injured ¹					
Handling traffic	272	224	289	250	272
Handling machinery, tools, etc.	525	552	466	535	469
Getting on or off locomotives and cars at rest	74	69	96	51	57
Other causes	1,032	1,208	1,265	1,170	1,404
Totals	1,903	2,053	2,116	2,006	2,203

¹ See page 22 for time lost through injuries.

TABLE 27. Persons Killed and Injured in Non-train Accidents — By Class of Victim, 1960-64

Class of person	1960	1961	1962	1963	1964
Number of persons killed					
Employees:					
Trainmen	—	—	2	—	—
Switchtenders, watchmen, etc.	—	—	—	—	—
Stationmen	1	3	2	2	3
Shopmen	1	7	2	1	2
Trackmen	5	7	6	4	4
Telegraph employees	2	1	—	—	1
Other	—	—	2	3	—
Totals	9	18	14	10	10
Passengers	—	—	—	—	—
Postal—Express—Pullman employees	1	—	3	1	—
Trespassers	—	3	1	—	1
Other persons	—	—	2	—	1
Grand totals	10	21	20	11	12
Suicides	—	1	1	—	—

TABLE 27. Persons Killed and Injured in Non-train Accidents — By Class of Victim, 1960-64 — Concluded

Class of person	1960	1961	1962	1963	1964
	Number of persons injured ¹				
Employees:					
Trainmen.....	81	63	62	63	90
Switchtenders, watchmen, etc.....	27	24	29	20	17
Stationmen.....	215	320	431	514	581
Shopmen.....	545	590	558	457	468
Trackmen.....	668	693	642	680	612
Telegraph employees.....	101	112	131	83	103
Other.....	151	137	137	95	183
Totals.....	1,788	1,939	1,990	1,912	2,054
Passengers.....	64	55	64	55	72
Postal — Express — Pullman employees.....	18	21	23	18	31
Trespassers.....	3	6	5	7	9
Other persons.....	32	32	34	14	37
Grand totals.....	1,905	2,053	2,116	2,006	2,203
Attempted suicides.....	—	—	—	1	1

¹ See page 22 for time lost through injuries.

TABLE 28. Persons Killed and Injured in Accidents at Highway Crossings, 1960-64

	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:											
1960	—	—	4	—	1	1	—	—	5	1	
1961	—	—	1	—	—	2	—	—	1	2	
1962	—	—	—	—	3	—	—	—	3	—	
1963	—	—	4	—	—	—	—	—	4	—	
1964	—	—	1	—	1	1	—	—	2	1	
Protected by automatic signals:											
1960	—	—	4	1	15	3	5	—	24	4	
1961	—	—	2	1	9	17	—	—	11	18	
1962	—	—	5	3	16	23	—	—	21	26	
1963	—	—	1	1	9	22	1	2	11	25	
1964	—	—	2	1	14	11	1	—	17	12	
Protected by watchmen:											
1960	—	—	—	—	2	—	—	—	2	—	
1961	—	—	—	—	—	—	—	—	—	—	
1962	—	—	—	—	—	—	—	—	—	—	
1963	—	—	—	—	—	1	—	—	—	1	
1964	—	—	—	—	—	—	—	—	—	—	
Otherwise protected:											
1960	—	—	3	2	44	42	15	22	62	66	
1961	—	—	2	3	40	60	1	—	43	63	
1962	—	—	1	2	25	67	—	—	26	69	
1963	—	1	1	1	31	69	1	2	33	73	
1964	—	11	2	1	44	66	—	—	46	78	
Totals:											
1960	—	—	11	3	62	46	20	22	93	71	
1961	—	—	5	4	49	79	1	—	55	83	
1962	—	—	6	5	44	99	—	—	50	95	
1963	—	1	6	2	40	92	2	4	48	99	
1964	—	11	5	2	59	78	1	—	65	91	

TABLE 28. Persons Killed and Injured in Accidents at Highway Crossings, 1960-64 - Concluded

	Employees and passengers		Pedestrians		Riding in				Total	
					Motor vehicles		Other vehicles			
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Number of persons injured										
Protected by gates:										
1960	—	—	—	—	7	1	—	—	7	1
1961	—	—	—	—	3	—	—	—	3	—
1962	—	—	—	—	2	—	—	—	2	—
1963	—	—	1	—	3	2	—	—	4	2
1964	—	1	2	—	6	—	1	—	9	1
Protected by automatic signals:										
1960	7	—	5	—	61	4	8	—	81	4
1961	2	2	3	2	63	18	1	—	69	22
1962	—	3	—	—	50	19	—	—	50	22
1963	3	—	1	—	63	40	2	—	69	40
1964	—	1	2	1	77	44	1	—	80	46
Protected by watchmen:										
1960	—	—	—	—	5	—	—	—	5	—
1961	—	—	—	—	6	4	1	—	9	4
1962	—	—	—	—	7	1	—	—	7	1
1963	—	—	1	—	13	—	—	—	14	—
1964	1	—	—	—	14	1	—	—	15	1
Otherwise protected:										
1960	8	12	4	—	135	105	50	22	197	139
1961	7	19	1	1	107	146	—	—	115	166
1962	2	47	—	1	116	155	1	1	119	204
1963	1	5	2	—	142	174	2	—	147	179
1964	7	26	4	1	162	115	—	—	173	142
Totals:										
1960	15	12	9	—	208	110	58	22	290	144
1961	9	21	4	3	181	168	2	—	196	192
1962	2	50	—	1	175	175	1	1	178	227
1963	4	5	5	—	221	216	4	—	234	221
1964	8	28	8	2	259	160	2	—	277	190

TABLE 29. Highway Crossings at December 31, 1960-64

No.		Protected by						
		Gates		Bridges		Subways		
		Urban	Rural	Urban	Rural	Urban	Rural	
number								
Newfoundland:								
1	1960	—	—	1	5	—	1	
2	1961	—	—	1	5	1	1	
3	1962	—	—	—	6	1	1	
4	1963	—	—	1	8	1	1	
5	1964	—	—	1	8	1	2	
Prince Edward Island:								
6	1960	—	—	1	—	—	5	
7	1961	—	—	1	—	—	5	
8	1962	—	—	1	—	—	5	
9	1963	—	—	1	—	—	5	
10	1964	—	—	1	—	—	5	
Nova Scotia:								
11	1960	6	2	21	17	10	31	
12	1961	4	2	21	20	12	32	
13	1962	4	2	21	20	12	32	
14	1963	3	2	23	20	12	32	
15	1964	2	2	23	20	12	32	
New Brunswick:								
16	1960	8	1	11	34	14	33	
17	1961	8	1	10	34	13	35	
18	1962	8	1	10	34	13	35	
19	1963	7	1	10	35	13	35	
20	1964	7	1	10	37	13	35	
Quebec:								
21	1960	63	5	51	53	170	79	
22	1961	61	14	59	54	160	78	
23	1962	61	16	61	51	184	75	
24	1963	57	18	62	55	185	76	
25	1964	57	17	64	61	197	79	
Ontario:								
26	1960	114	41	196	235	311	186	
27	1961	145	74	209	250	334	189	
28	1962	142	85	222	246	337	196	
29	1963	157	98	230	246	331	195	
30	1964	179	107	235	254	336	197	
Manitoba:								
31	1960	19	5	4	8	31	9	
32	1961	22	6	5	13	31	7	
33	1962	26	8	5	12	32	9	
34	1963	30	15	9	11	40	11	
35	1964	26	11	8	11	34	10	
Saskatchewan:								
36	1960	5	2	7	23	21	43	
37	1961	11	12	7	21	22	43	
38	1962	5	2	7	23	21	41	
39	1963	2	3	8	21	20	40	
40	1964	3	3	8	21	21	40	
Alberta:								
41	1960	16	—	10	33	30	53	
42	1961	17	1	9	34	32	52	
43	1962	16	1	10	43	36	49	
44	1963	16	1	10	43	35	47	
45	1964	21	1	11	44	35	47	
British Columbia:								
46	1960	7	9	27	68	12	62	
47	1961	10	11	36	67	12	63	
48	1962	12	8	40	76	14	63	
49	1963	10	10	62	77	15	65	
50	1964	12	9	64	84	17	60	
Total - Canada:								
51	1960	238	65	329	476	599	502	
52	1961	278	121	358	498	617	505	
53	1962	274	123	377	511	650	506	
54	1963	282	148	416	516	652	509	
55	1964	307	151	425	540	666	507	
United States:								
56	1960	2	1	3	7	9	11	
57	1961	2	1	3	7	9	11	
58	1962	2	1	3	7	9	11	
59	1963	2	1	3	7	9	11	
60	1964	2	1	3	7	9	11	

TABLE 29. Highway Crossings at December 31, 1960 - 64

Protected by				Otherwise protected		Total			No.
Automatic signals		Watchmen		Urban	Rural	Urban	Rural	Total	
Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Total	
				number					
3	2	—	—	66	221	70	229	299	1
4	3	—	—	67	220	73	229	302	2
3	7	—	—	63	217	67	231	298	3
3	7	—	—	62	218	67	234	301	4
9	9	—	—	56	215	67	234	301	5
5	14	1	—	39	212	46	231	277	6
5	14	1	—	39	206	46	225	271	7
5	18	1	—	39	202	46	225	271	8
7	21	1	—	37	199	46	225	271	9
8	23	1	—	36	197	46	225	271	10
58	152	5	—	210	548	310	750	1,060	11
61	180	5	—	212	563	315	797	1,112	12
62	196	5	—	212	505	316	755	1,071	13
69	208	5	1	207	494	319	757	1,076	14
72	226	5	1	205	476	319	757	1,076	15
46	128	—	—	141	623	220	819	1,039	16
40	134	—	—	139	562	210	766	976	17
41	144	—	—	139	555	211	769	980	18
46	150	—	—	135	551	211	772	983	19
51	154	—	—	130	524	211	751	962	20
225	303	1	1	599	1,858	1,109	2,299	3,408	21
232	350	1	1	650	1,742	1,163	2,239	3,402	22
246	393	1	1	665	1,674	1,218	2,210	3,426	23
272	422	1	—	660	1,645	1,237	2,216	3,455	24
291	467	1	—	662	1,574	1,272	2,198	3,470	25
560	544	21	—	1,766	4,656	2,968	5,662	8,630	26
588	569	12	—	1,804	4,268	3,092	5,350	8,442	27
622	603	12	—	1,890	4,309	3,225	5,439	8,664	28
614	640	12	1	1,880	4,157	3,224	5,337	8,561	29
645	694	11	—	1,935	4,113	3,341	5,365	8,708	30
43	25	3	—	571	3,757	671	3,804	4,475	31
47	34	3	8	552	3,644	660	3,710	4,370	32
44	58	3	—	524	3,587	634	3,674	4,308	33
68	78	4	—	626	3,447	777	3,562	4,339	34
61	84	—	—	520	3,575	649	3,691	4,340	35
44	41	—	—	414	7,464	491	7,573	8,064	36
44	34	—	—	409	7,436	493	7,546	8,039	37
61	55	—	1	396	7,425	490	7,547	8,037	38
67	60	—	1	401	7,451	498	7,576	8,074	39
80	70	—	1	394	7,441	506	7,576	8,082	40
44	89	—	—	386	4,014	486	4,189	4,675	41
54	111	—	—	384	3,904	496	4,102	4,598	42
63	125	—	—	404	3,845	529	4,063	4,592	43
85	132	—	—	366	3,765	512	3,988	4,500	44
86	142	—	—	369	3,760	522	3,994	4,516	45
37	54	4	—	369	924	456	1,117	1,573	46
48	58	4	—	396	932	506	1,131	1,637	47
51	78	3	4	411	864	531	1,093	1,624	48
67	83	2	—	683	859	839	1,094	1,933	49
71	86	4	—	694	844	862	1,083	1,945	50
1,065	1,352	35	1	4,561	24,277	6,827	26,673	33,500	51
1,123	1,487	26	7	4,652	23,477	7,054	26,095	33,149	52
1,198	1,677	25	6	4,743	23,183	7,267	26,006	33,273	53
1,298	1,801	25	3	5,057	22,786	7,730	25,763	33,493	54
1,374	1,955	22	2	5,001	22,719	7,795	25,874	33,669	55
8	21	5	1	26	101	53	142	195	56
8	23	6	1	24	101	52	144	196	57
8	23	6	1	24	99	52	142	194	58
11	20	6	1	21	102	52	142	194	59
13	20	5	1	21	101	53	141	194	60





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