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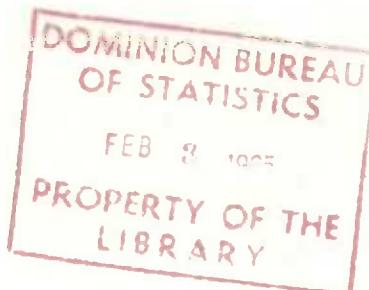


RAILWAY TRANSPORT

1963

PART I

(Comparative Summary Statistics 1959-63)



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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.

RAILWAY TRANSPORT

1963

PART I

(Comparative Summary Statistics 1959-63)

INTRODUCTION

Presented in this report is a five-year summary of common carrier railway operations in Canada covering the period 1959-63, 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.

Financial statistics contained herein exclude operations of the Cartier Railway Company while traffic information relating to that road are included.

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 43,623 at the close of 1963, a decline of 31 miles from the previous year and 586 miles from 1959. The total route mileage of all tracks operated by these rail lines, including main track, industrial track and sidings aggregated 58,511, down 883 miles from 1959.

Investments, Capital and Reserves

Net new investments in road and equipment property rose 17.2 per cent to \$106.2 million in 1963 raising total investments to December 31, 1963 to \$7,027 millions. The rate of growth of investments in road and equipment property increased in each of the five years. The 1963 growth was 1.5 per cent over 1962.

During 1963 there was a decrease in capital stock and in the funded debt of Canadian railways. Capital stock declined 0.8 per cent to \$4,975 million, while funded debt guaranteed by the Federal Government dropped \$252 million. Funded debt of railways, guaranteed by Provincial Governments, increased \$2 million. Reserves, other liabilities and deferred credits increased about \$117 million to \$2,220,257,233 in 1963. Amounts set aside for depreciation, which accounted for 89 per cent of the total reserves, increased \$99 million.

Financial Summary

Gross income of railways in 1963 continued to improve over the somewhat depressed levels of 1961 and 1962 but was still below that of 1959 and 1956.

Railway operating revenues in 1963 rose 3.9 per cent over 1962 but were down 1.2 per cent from 1959 and 7.0 per cent from the 1956 high. Operating expenses, including rents and taxes, were higher in 1963 than at any time since 1959, increasing 2.7 per cent over 1962 but falling 1.4 per cent short of the 1959 total.

Freight revenues at \$1,067 million in 1963 were 4.7 per cent higher than the previous year and were 0.9 per cent above those of 1959. Compared with the peak year of 1956 freight receipts were off 3.9 per cent in 1963. Passenger revenues continued to decline throughout the five-year period, moving steadily downward from \$73.6 million in 1959 to \$59.5 million in 1963.

The principal groups of operating expenses showed little change in 1963 over 1962 except with respect to equipment maintenance costs which rose by some \$9.5 million in the later year. In relation to 1959, road maintenance and transportation expenses were 6.6 and 3.5 per cent lower, respectively, while equipment maintenance and general expenses rose by 1.1 and 6.7 per cent.

Traffic

Revenue tons transported by rail in Canada in 1963 (including freight interchanged between domestic railways) aggregated 193 million in 1963, the highest tonnage recorded since 1957. Revenue ton miles (a practical measure of the volume of freight service performed) totalled 75.8 billion, an increase of 7.9 billion over 1962 and 7.8 billion over 1959. The average length of haul in 1963 was 441 miles up from 422 in 1962 and 409 in 1959.

The number of passengers carried continued to increase in 1963, rising 7.2 per cent to 20,635,664 from the previous year. The increases in passenger traffic during the latter two years ended a decline which began in 1945.

Equipment

The number of freight-carrying cars in service at the close of 1963 (excluding privately owned units) continued a downward trend, dropping 1.9 per cent to 181,719 from 1962. The number of freight cars has decreased an average of 1.7 per cent each year since 1959. During the same period, however, there has been a steady gain in the average capacity of cars ranging from 51.1 tons in 1959 to 52.4 tons in 1963.

Passenger cars declined each year during the 1959-63 period dropping from 5,456 in the former year to 4,172 in 1963.

The number of locomotives has also decreased in each of the five years under review chiefly due to the conversion from steam locomotives to diesel power. Steam units were further reduced from 138 to 7 in 1963, while diesel locomotives increased by 27 over 1962 to 3,347 and 192 over the 1959 number.

Fuel

The consumption of diesel oil in 1963 amounted to 357.5 million gallons, an increase of 17.7 million gallons over 1962 and 25.9 million gallons consumed during 1959.

The use of crude oil in mountain regions amounted to 2,099,419 gallons in 1963, a drop from 3,307,668 gallons in 1962.

Accidents

A total of 226 persons were killed and, 1,587 injured in train accidents in 1963 compared with 253 killed and 1,465 injured in 1962 and 303 and 1,818 respectively in 1959. Of the 1963 totals, 147 employees, passengers and pedestrians were killed and 455 were injured at highway crossings. A further breakdown of these 147 fatalities shows that 106 persons died at unprotected crossings as against 41 at protected crossings.

A total of 89,499 days were lost by employees through injuries in train and non-train accidents in 1963 in comparison with 90,943 in 1962 and 113,159 days in 1959.

Highway Crossings

Highway crossings in Canada at the close of 1963 totalled 33,493 as against 33,273 in the previous year and 33,293 in 1959. Of the current total 5,650 were protected crossings and 27,843 unprotected. This compares with 5,347 protected and 27,926 unprotected in 1962 and 4,314 and 28,979 respectively in 1959.

November 3, 1964.

TABLE 1. Mileage Operated, by Area, at December 31,¹ 1959-63

	1959	1960	1961	1962	1963
number					
First main track:					
Newfoundland	934	934	933	935	934
Prince Edward Island	285	284	279	279	279
Nova Scotia	1,333	1,316	1,298	1,270	1,315
New Brunswick	1,818	1,783	1,783	1,782	1,772
Quebec	5,228	5,228	5,224	5,348	5,361
Ontario	10,421	10,245	10,188	10,137	10,116
Manitoba	5,004	5,056	4,954	4,898	4,860
Saskatchewan	8,721	8,721	8,606	8,588	8,577
Alberta	5,680	5,679	5,689	5,683	5,683
British Columbia	4,388	4,386	4,338	4,337	4,329
Yukon	58	58	58	58	58
In United States	339	339	339	339	339
Totals	44,209	44,029	43,689	43,654	43,623
Second main track	2,350	2,243	2,150	2,081	2,016
Other main track	45	48	48	56
Industrial track	1,219	1,248	1,262	1,266	1,265
Yard track and sidings	11,616	11,628	11,633	11,710	11,551
Totals, all tracks	59,394	59,193	58,782	58,759	58,511
Guage of first main track:					
4 ft. 8½ inches	43,391	43,211	42,870	42,835	42,806
3 ft. 6 inches	728	728	729	729	727
3 ft.	90	90	90	90	90
First main track owned but not operated	22	21	21	21	19

¹ Excludes line operated under trackage rights.

TABLE 2. First Main Track Mileage by Area, at December 31,¹ 1959-63

	1959	1960	1961	1962	1963
number					
Newfoundland	934.20	934.20	933.20	935.40	934.20
Increase over previous year	—	—	D 1.00	2.20	D 1.20
Prince Edward Island	284.80	284.50	278.60	278.60	278.60
Increase over previous year	—	D 0.30	D 5.90	—	—
Nova Scotia	1,333.30	1,316.30	1,298.00	D 1,270.40	1,314.80
Increase over previous year	D 2.40	D 17.00	D 18.30	D 27.60	D 44.40
New Brunswick	1,817.70	1,782.70	1,782.60	D 1,782.40	1,771.50
Increase over previous year	—	D 35.00	D 0.10	D 0.20	D 10.90
Quebec	5,228.20	5,227.50	5,223.80	5,347.80	5,360.80
Increase over previous year	D 132.30	D 0.70	D 3.70	D 124.00	D 13.00
Ontario	10,421.00	10,245.20	10,188.50	D 10,136.80	10,116.50
Increase over previous year	D 45.60	D 175.80	D 56.70	D 51.70	D 20.30
Manitoba	5,004.50	5,055.90	4,953.70	D 4,897.50	4,860.30
Increase over previous year	—	D 51.40	D 102.20	D 56.20	D 37.20
Saskatchewan	8,720.60	8,721.00	8,606.50	D 8,587.90	8,576.90
Increase over previous year	D 0.20	D 0.40	D 114.50	D 18.60	D 11.00
Alberta	5,679.70	5,678.60	5,688.90	D 5,683.00	5,682.60
Increase over previous year	D 0.20	D 1.10	D 10.30	D 5.90	D 0.40
British Columbia	4,388.10	4,386.20	4,337.90	D 4,337.30	4,329.40
Increase over previous year	D 0.30	D 1.90	D 48.30	D 0.60	D 7.90
Yukon	57.70	57.70	57.70	57.70	57.70
Increase over previous year	—	—	—	—	—
United States	339.10	339.20	339.40	339.40	339.40
Increase over previous year	—	1.10	0.20	—	—
Totals	44,208.90	44,029.00	43,688.80	43,654.20	43,622.70
Increase over previous year	83.60	D 179.90	D 340.20	D 34.60	D 31.50

¹ Excludes line operated under trackage rights.

D—Decrease.

TABLE 3. Investments in Road and Equipment Property at December 31, 1959 - 63

	1959	1960	1961	1962	1963
dollars					
Investment changes during the year:					
Road	134,823,880	113,587,736	72,244,687	70,674,769	125,463,519
Equipment	78,487,442	Cr. 12,920,826	Cr. 30,683,878	7,258,657	Cr. 16,753,029
General	Cr. 816,428	Cr. 35,546	3,152,244	Cr. 243,729	84,786
Undistributed (see below)	42,668,998	6,742,707	40,971,544	12,905,861	Cr. 2,626,787
Totals	255,163,892	107,374,071	85,684,597	90,595,558	106,168,489
Total investments to December 31	6,637,332,271	6,744,706,342	6,630,390,939	6,920,986,497	7,027,154,986
Undistributed:					
Non-rail property:					
Canadian National Railways	1,861,030	6,538,741	15,506,157	10,513,908	3,771,974
Canadian Pacific Railway Company	36,878,761	122,830	25,492,752	2,581,950	Cr. 8,845,548
Other railways	3,929,207	81,136	Cr. 27,365	Cr. 189,997	2,446,787
Totals	42,668,998	6,742,707	40,971,544	12,905,861	Cr. 2,626,787

TABLE 4. Railway Capital at December 31, 1959 - 63

	1959	1960	1961	1962	1963
dollars					
Stock	2,376,415,625	2,433,278,796	2,455,989,031	2,476,603,604	2,498,496,085
Debenture stock	292,646,644	292,548,888	292,548,888	292,548,888	292,548,888
Funded debt	2,122,675,213	2,244,571,812	2,234,316,735	2,245,189,028	2,183,556,139
Totals	4,791,737,482	4,970,399,496	4,982,854,654	5,014,341,520	4,974,601,112

TABLE 5. Funded Debt Guaranteed at December 31, 1963

Name of railway	Guaranteed by		Total outstanding
	Government of Canada	Provincial Governments	
dollars			
Canada and Gulf Terminal Railway	—	215,000	215,000
Canadian National Railway	1,378,875,000	—	1,378,875,000
Canadian Northern Ontario Railway	—	—	—
Canadian Northern Alberta Railway	—	—	—
Grand Trunk Pacific Railway	—	—	—
Grand Trunk Railway	—	—	—
Totals	1,378,875,000	—	1,378,875,000
Ontario Northland Railway	—	11,506,000	11,506,000
Pacific Great Eastern Railway	—	128,476,300	128,476,300
Grand totals	1,378,875,000	140,197,300	1,519,072,300

TABLE 6. Reserves, Other Liabilities and Deferred Credits at December 31,¹ 1959-63

	1959	1960	1961	1962	1963
dollars					
Depreciation reserves:					
Road and equipment	1,553,177,751	1,605,833,495	1,672,107,680	1,757,446,877	1,854,633,351
Other properties	94,838,841	91,728,040	106,866,009	115,579,571	117,775,854
Other reserves:					
Pension and welfare	8,376,995	8,269,039	8,485,589	8,949,614	9,326,168
Insurance	28,619,651	29,014,276	29,424,374	29,921,365	32,764,547
Equalization	111,026	91,602	69,139	77,840	90,506
Other liabilities and deferred credits:					
Interest in default	—	—	—	—	—
Other deferred liabilities	14,033,856	18,378,968	17,615,227	16,305,074	19,885,856
Tax equalization reserve	73,889,940	87,142,624	100,398,259	114,208,416	123,695,202
Premium on funded debt	—	—	—	—	—
Other unadjusted credits	36,310,583	36,382,589	39,777,533	41,272,505	42,568,686
Reserve for investments	6,117,773	10,814,636	18,243,786	19,035,935	19,517,083
Totals	1,815,476,416	1,887,655,271	1,993,007,596	2,102,797,197	2,220,257,233

¹ Includes United States lines of Canadian National and Canadian Pacific Railways.TABLE 7. Income and Retained Income Accounts, at December 31,¹ 1959-63

	1959	1960	1961	1962	1963
dollars					
Income account					
Railway operating revenues	1,224,567,928	1,151,655,456	1,156,480,700	1,165,296,722	1,210,209,799
Railway operating expenses ²	1,106,158,160	1,049,581,887	1,053,229,206	1,061,569,880	1,083,078,444
Net railway operating revenues	118,409,768	102,073,569	103,251,494	103,726,842	127,131,355
Tax accruals	60,148,564	59,888,539	61,203,319	58,092,192	66,452,082
Railway operating income	58,261,204	42,185,030	42,048,175	45,634,650	60,679,273
Other income:					
Rail and non-rail ³	21,742,363	25,545,534	16,198,145	37,012,102	43,796,235
Gross income	80,003,567	67,730,564	58,246,320	82,646,752	104,475,508
Deductions:					
Other rents	390,903	370,016	390,734	389,082	395,613
Separately operated properties — Loss	—	443,838	—	—	1,659
Income transferred to other companies	—	—	—	1,990	527,107
Other income charges	1,542,690	1,268,877	325,072	962,444	501,746
Provision for income tax — Other	809,286	1,364,569	1,732,021	3,781,827	3,320,551
Fixed charges⁴	76,111,172	92,914,721	85,529,106	85,502,922	87,202,622
Totals	78,854,051	98,362,023	87,976,933	90,638,285	91,949,298
Net income	1,149,518	Dr. 28,631,459	Dr. 29,730,613	Dr. 7,991,513	12,526,210
Retained income					
Dividend appropriations	28,749,308	61,462,274	34,320,011	33,999,592	46,128,473
Other appropriations and misc. debts	2,393,666	3,768,173	2,352,590	3,629,414	9,651,197
Total debts	31,142,974	65,230,447	36,672,801	37,629,006	55,779,670
Total credits	50,726,175	72,886,018	80,983,846	59,009,671	76,074,675
Balance to general balance sheet	Cr. 20,732,717	Dr. 20,975,888	Cr. 14,580,632	Cr. 13,389,152	32,821,215

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, 1959-63

	1959	1960	1961	1962	1963
dollars					
Operating revenues:					
Railway line:					
Freight	1,058,009,762	992,739,695	1,012,969,006	1,019,548,627	1,067,288,649
Passenger	73,587,794	69,154,309	61,229,591	60,616,581	59,540,654
Baggage	267,034	307,093	275,504	269,608	187,377
Sleeping, parlour and chair car	10,766,016	10,227,842	8,587,575	8,841,354	8,381,417
Mail	17,679,091	17,432,364	16,905,032	16,333,763	15,947,761
Express	23,069,446	21,779,676	16,121,148	17,568,697	14,796,200
Other passenger train	21,169	27,793	24,537	17,533	22,510
Milk	258,384	193,789	167,383	119,624	130,150
Switching	8,203,102	7,728,402	7,135,785	7,604,645	7,088,936
Water transfers - Freight	1,756,263	1,733,109	1,626,927	1,630,032	1,802,681
Passenger	173,500	179,100	186,100	213,399	222,669
Totals	1,193,791,561	1,121,503,172	1,125,228,588	1,132,763,863	1,175,409,004
Incidental:					
Dining and buffet car	7,201,090	7,008,090	6,120,676	7,190,275	7,618,651
News service and restaurant	3,761,426	3,573,583	3,235,191	3,326,077	3,472,058
Station, train, etc., privileges	652,218	637,415	556,740	531,158	583,727
Storage - Parcels and baggage	137,850	100,104	77,865	86,225	63,075
Freight	422,494	329,986	416,892	338,226	313,713
Demurrage	3,878,475	3,681,627	3,169,844	3,363,408	3,601,550
Grain elevators	1,637,512	1,537,607	1,730,377	1,288,843	1,892,934
Wharves	1,906,808	2,052,159	2,077,067	1,701,894	1,712,778
Rents of buildings, etc.	3,460,756	3,627,231	3,803,741	3,701,518	4,061,927
Other	7,531,056	7,487,538	10,051,031	11,081,594	11,535,667
Totals	30,589,685	30,035,340	31,239,424	32,609,218	34,856,080
Joint facilities, Cr. balance	186,882	116,944	12,688	Dr. 76,359	Dr. 55,285
Total railway operating revenues	1,224,567,928	1,151,655,456	1,156,480,700	1,165,296,722	1,210,209,799
Operating expenses:					
Road maintenance	259,958,839	243,990,846	243,445,087	239,680,724	242,919,240
Equipment maintenance	256,778,520	249,473,225	249,354,157	250,173,628	259,696,627
Traffic	29,140,473	28,866,134	29,027,607	29,022,709	30,607,450
Transportation - Railway line	443,292,012	424,924,203	423,367,291	424,858,293	427,697,154
Miscellaneous operations	14,787,822	14,506,531	13,595,042	13,476,328	14,687,066
General expenses	99,167,863	88,863,980	94,960,331	101,758,052	105,810,868
Totals	1,103,125,529	1,050,625,219	1,053,749,515	1,058,970,734	1,081,418,405
Equipment rents - Dr.	2,127,313	Crt. 1,615,965	Crt. 1,236,788	1,704,868	594,322
Joint facility rents - Dr.	905,318	572,633	716,479	894,278	1,065,717
Railway tax accruals	60,148,564	59,888,539	61,203,319	58,092,192	66,452,082
Total railway operating expenses	1,166,306,724	1,109,470,426	1,114,432,525	1,119,662,072	1,149,530,526

TABLE 9. Operating Statistics, 1959-63

	1959	1960	1961	1962	1963
Average first main track mileage					
45,199					
Locomotive miles:					
Steam:					
Freight	6,806,200	601,910	31,677	—	—
Passenger	2,842,106	393,283	303	—	—
Train switching	495,291	50,851	—	—	—
Yard switching	1,578,154	627,406	172,003	—	—
Total transportation service	11,721,751	1,873,450	203,983	—	—
Work train service	686,965	155,334	2,225	—	—
Diesel:					
Freight	63,662,881	64,342,704	61,362,516	61,311,000	63,871,156
Passenger	29,104,784	28,006,632	25,161,665	23,752,530	22,813,495
Train switching	3,461,220	3,620,276	3,332,998	3,314,788	3,261,339
Yard switching	25,911,225	25,972,344	25,073,403	24,873,129	24,939,560
Total transportation service	122,140,110	121,941,956	114,930,582	113,251,447	114,885,550
Work train service	2,985,114	2,352,258	2,231,688	1	1

¹ Discontinued 1962. Detail not considered statistically useful.

TABLE 9. Operating Statistics, 1959-63 - Continued

	1959	1960	1961	1962	1963
Locomotive miles - Concluded:					
Other:					
Freight	116,344	126,679	102,738	35,152	27,114
Passenger	158,361	136,769	188,773	251,197	270,225
Train switching	102,645	91,266	64,116	-	6
Yard switching	138,172	75,814	62,847	65,970	57,264
Total transportation service	515,522	430,528	418,474	352,319	354,609
Work train service	963	-	-	-	-
Total:					
Freight	70,585,425	65,071,293	61,496,931	61,346,152	63,898,270
Passenger	32,105,251	28,536,684	25,350,741	24,003,727	23,083,720
Train switching	4,059,156	3,762,393	3,397,114	3,314,788	3,261,345
Yard switching	27,627,551	26,675,564	25,308,253	24,939,099	24,996,824
Grand total transportation service	134,377,383	124,045,934	115,553,039	113,603,766	115,240,159
Grand total work train service	3,673,042	2,507,592	2,233,913	-	-
Train miles:					
Freight - Drawn by locomotive	68,351,068	63,887,230	60,592,567	60,307,977	62,639,073
Passenger - Drawn by locomotive	31,470,367	27,869,238	25,017,043	23,369,055	22,426,461
Drawn by self-propelled car	6,741,943	6,623,714	6,113,625	5,846,198	5,813,023
Total	38,212,310	34,492,952	31,130,668	29,217,253	28,239,484
Total transportation service	106,563,378	98,380,182	91,723,255	89,525,230	90,878,557
Work train service	3,248,722	2,443,096	2,003,554	2,085,116	2,309,955
Freight car miles - Transportation service:					
In freight trains:					
Freight loaded	2,105,287,849	2,028,846,873	1,996,837,285	2,003,297,777	2,103,242,993
Freight empty	1,148,347,366	1,156,562,477	1,176,025,443	1,190,733,466	1,297,171,950
Caboose	68,531,468	64,414,510	61,722,930	62,143,573	64,560,810
Totals	3,322,166,683	3,249,823,860	3,234,585,658	3,256,174,816	3,465,075,753
In passenger trains - Transportation service	5,311,417	5,920,116	6,426,984	6,084,469	7,251,545
Total transportation service	3,327,478,100	3,255,743,976	3,241,012,622	3,262,259,285	3,472,427,298
Work train service	13,229,403	12,104,988	10,332,405	8,633,201	10,368,143
Passenger car miles - Transportation service:					
In passenger trains:					
Locomotive drawn:					
Self-propelled car	116,650	139,162	100,849	63,557	118,680
Coach (including colonist)	75,984,243	71,624,451	63,329,286	58,475,251	58,499,899
Sleeping, parlour and observation	97,344,470	90,602,918	75,457,769	72,044,374	71,296,489
Dining	15,388,461	15,047,731	12,866,781	13,099,362	14,288,329
Express	80,479,871	70,753,773	66,845,328	63,705,209	56,541,357
Other head-end	61,065,423	55,468,406	54,216,296	51,769,082	49,689,531
Other	2,279,848	2,143,957	1,930,960	2,099,628	1,801,006
Totals	332,658,966	305,780,398	274,747,269	261,256,463	252,335,291
Self-propelled car drawn:					
Self-propelled	10,872,958	10,624,808	10,148,251	10,027,462	9,996,539
Coach (including colonist)	653,008	851,265	796,666	814,984	890,168
Sleeping, parlour and observation	-	-	-	-	-
Dining	-	-	-	-	-
Express	18,414	27,854	2,784	378	8,964
Other head-end	9,960	4,724	1,902	308	-
Other	-	156	139	74	152
Totals	11,554,340	11,508,807	10,949,742	10,843,206	10,895,823
Total drawn (locomotive and motor unit car):					
Self-propelled car	10,989,608	10,763,970	10,249,100	10,091,019	10,115,219
Coach (including colonist)	76,637,251	72,475,716	64,125,952	59,290,235	59,390,067
Sleeping, parlour and observation	97,344,470	90,602,918	75,457,769	72,044,374	71,296,489
Dining	15,388,461	15,047,731	12,866,781	13,099,362	14,288,329
Express	80,498,285	70,781,627	66,848,112	63,705,587	56,650,321
Other head-end	61,075,383	55,473,130	54,218,198	51,769,390	49,689,531
Other	2,279,848	2,144,113	1,931,099	2,099,702	1,801,158
Totals	344,213,306	317,289,205	285,697,011	272,099,669	263,231,114
In freight trains - Transportation service	23,337,961	27,708,623	26,215,396	24,850,002	22,711,103
Totals transportation service	367,551,267	344,995,828	311,912,407	296,949,671	285,942,217
Work train service	36,558	7,144	4,368	3,398	13,254

* Discontinued 1962. Detail not considered statistically useful.

TABLE 9. Operating Statistics, 1959-63 - Continued

	1959	1960	1961	1962	1963
Averages:					
Locomotive miles in transportation service per mile of road	2,973	2,751	2,572	2,535	2,576
Train miles in transportation service per mile of road	2,358	2,182	2,041	1,998	2,031
Loaded freight cars per freight train	30.80	31.76	32.96	33.22	33.58
Empty " " " "	16.80	18.10	19.41	19.74	20.71
Total freight train cars per freight train	48.60	50.87	53.38	53.99	55.32
Passenger train cars per passenger train drawn by locomotive	10.57	10.97	10.98	11.18	11.25
Passenger cars per passenger train drawn by locomotive	5.51	5.83	5.55	5.59	5.79
Freight traffic - Revenue freight (tons - 2,000 lb.):					
Originated on Canadian railways	140,504,572	133,854,651	131,127,797	138,435,127	148,834,318
Received from U.S. connections	25,590,577	24,607,483	21,952,520	22,495,214	22,901,308
Total tons originated	166,095,149	158,462,134	153,080,317	160,930,341	171,735,626
Interchanged between Canadian railways	20,107,417	20,374,634	21,438,087	21,908,835	21,617,906
Total tons	186,202,586	178,836,768	174,518,404	182,839,176	193,353,532
Tons carried one mile	'000 67,956,540	65,444,784	65,828,403	67,937,162	75,796,023
Tons originated per mile of road	3,675	3,515	3,407	3,591	3,839
Tons carried one mile (rail line) per mile of road	1,503,362	1,451,410	1,464,492	1,515,811	1,694,071
Average miles hauled per revenue ton - All railways ²	409	413	430	422	441
Freight traffic - Revenue and non-revenue freight (tons - 2,000 lb.):					
Tons carried	'000 198,478,611	188,374,920	183,337,077	194,203,150	205,877,076
Tons carried one mile	70,259,613	67,325,782	67,630,310	69,686,371	77,620,128
Tons per loaded car mile in transportation service (revenue and non-revenue)	33.31	33.11	33.79	34.71	36.81
Gross ton miles - Freight train cars	'000 148,159,968	146,062,923	145,388,910	148,190,351	161,029,748
Passenger train cars	'000 24,901,935	22,801,891	20,444,377	19,794,222	19,464,049
Totals	'000 173,061,903	168,864,815	165,833,287	167,984,573	180,493,797
Gross ton miles per freight train mile		2,168	2,286	2,399	2,457
Gross ton miles (transportation service) per mile of road		3,828,888	3,745,477	3,690,433	3,748,401
Train hours - Freight service		3,454,714	3,152,478	2,898,801	2,827,247
Passenger traffic:					
Passengers carried	'000 20,939,928	19,497,233	18,783,732	19,257,772	20,635,664
Passengers carried one mile	2,445,654	2,263,795	1,960,591	2,018,842	2,069,565
Passengers carried per mile of road	463	432	418	430	461
Passengers carried one mile per mile of road	54,109	50,212	43,631	45,048	46,280
Average number of passengers per passenger train car in transportation service		7	7	6	7
Average number of passengers per passenger car in transportation service		13	13	13	14
Average passenger journey		116.8	116.1	104.4	104.6
Freight revenues - Rail line:					
Freight receipts	\$ 1,058,009,762	992,739,695	1,012,969,008	1,019,548,627	1,067,288,649
Switching receipts	\$ 8,203,102	7,728,402	7,135,785	7,604,645	7,068,936
Other freight train receipts and water transfers	\$ 1,756,263	1,733,109	1,626,927	1,630,032	1,802,681
Total freight revenues	\$ 1,067,969,127	1,002,201,206	1,021,731,718	1,028,783,304	1,076,180,266
Average freight revenue per mile of road	\$ 23,628	22,229	22,737	22,956	24,055
Average freight receipts per mile of road	\$ 23,408	22,019	22,542	22,750	23,856
Average freight receipts per freight train mile	\$ 15.48	15.54	16.72	16.91	17.04
Average freight receipts per loaded freight car mile in transportation service	\$ 50.16	48.82	50.61	50.78	50.61
Average freight receipts per ton originated	\$ 6.37	6.26	6.62	6.34	6.21
Average freight receipts per ton mile	\$ 1.557	1.517	1.539	1.501	1.408
Passenger revenues - Rail line:					
Passenger receipts	\$ 73,587,794	69,154,309	61,229,591	60,616,581	59,540,654
Sleeper, parlour and chair car receipts	\$ 10,766,016	10,227,842	8,587,575	8,841,354	8,381,417
Baggage	\$ 267,034	307,093	275,504	269,608	187,377
Mail	\$ 17,679,091	17,432,364	16,905,032	16,333,763	15,947,761
Express	\$ 23,069,446	21,779,676	16,121,148	17,568,697	14,796,200
Milk	\$ 258,384	193,789	167,383	119,624	130,150
Other passenger train revenue and water transfers	\$ 194,669	206,893	210,637	230,932	245,179
Total passenger train revenues	\$ 125,822,434	119,301,966	103,496,870	103,980,559	99,228,738
Average passenger train revenue per mile of road	\$ 2,783.74	2,646.16	2,303.21	2,320.02	2,218.00
Average passenger train revenue per passenger train mile	\$ 3.29	3.46	3.32	3.56	3.51
Average passenger train revenue per passenger train car in transportation service	\$ 34.23	34.58	33.18	35.02	34.70
Average passenger receipts per passenger per railway	\$ 3.51	3.55	3.26	3.15	2.89
Average passenger receipts per passenger mile	\$ 3.01	3.05	3.12	3.00	2.88
Average passenger receipts per passenger car in transportation service	\$ 38.45	38.52	39.57	41.55	41.17
Average sleeper, etc., receipts per sleeper, etc. car miles	\$ 11.03	11.26	11.31	12.19	11.69

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

TABLE 9. Operating Statistics, 1959-63 - Concluded

	1959	1960	1961	1962	1963
Gross earnings from operation, rail and water:					
Freight, switching, rail and water	\$ 1,067,969,127	1,002,201,206	1,021,731,718	1,028,783,304	1,076,180,266
Passenger: rail and water	\$ 125,822,434	119,301,966	103,496,870	103,980,559	99,228,738
Other earnings from operation	\$ 30,776,367	30,152,284	31,252,112	32,532,859	34,800,795
Totals	\$ 1,224,567,928	1,151,655,456	1,156,480,700	1,165,296,722	1,210,209,799
Operating expenses	\$ 1,186,306,724	1,109,470,426	1,114,432,525	1,119,662,072	1,149,530,526
Net operating revenue	\$ 58,261,204	42,185,030	42,048,175	45,634,650	60,679,273
Operating ratio	\$ 95.24	96.34	96.36	96.08	94.99
Gross earnings per mile of road	\$ 27.093	25.544	25.736	26.002	27.051
Gross earnings per revenue train mile	\$ 11.49	11.71	12.61	13.02	13.32

TABLE 10. Taxes, 1959-63

	1959	1960	1961	1962	1963
dollars					
Provincial and municipal:					
Newfoundland	25,350	31,073	32,768	20,245	35,317
Prince Edward Island	15,062	5,595	5,601	9,494 Cr.	5,264
Nova Scotia	135,421	144,755	140,359	260,278	193,214
New Brunswick	477,771	516,399	361,625	405,391	421,270
Quebec	5,608,360	5,312,696	5,216,070	7,052,968	7,256,475
Ontario ¹	6,218,050	6,526,949	6,733,910	8,197,368	7,381,647
Manitoba	507,196	1,427,962	1,532,004	1,581,493	1,588,355
Saskatchewan	1,257,310	1,330,769	1,308,843	1,400,007	1,434,644
Alberta	1,059,085	1,070,398	1,110,957	1,171,552	1,212,322
British Columbia	2,208,256	2,426,545	2,653,397	2,479,861	2,552,488
Yukon	23,496	28,394	19,247	28,540	682,417 ²
Income and excise tax	34,812,379	31,823,040	33,511,027	26,477,599	34,573,871
Unemployment insurance	4,550,421	5,909,725	5,602,066	5,483,198	5,725,441
Other special tax	161,013	116,285	124,985	613,122 ³	598,402 ⁴
Outside Canada	3,161,974	3,315,072	2,926,115	2,982,744	2,875,469
Totals	60,221,144	59,985,657	61,278,974	58,163,860	66,526,068
Taxes paid by railway bridge companies	43,303	14,423	12,096	9,385	26,268
" " " pullman company	-	-	-	-	-
Grand totals	60,264,447	60,000,080	61,291,070	58,173,245	66,552,336

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 \$660,000 Provision for possible taxation on Crown properties.³ Includes \$495,000 Provision for possible taxation on Crown properties.⁴ Public improvement assessments on joint projects.

TABLE 11. Traffic Carried, 1959-63

	1959	1960	1961	1962	1963
tons (2,000 lb.)					
Products of agriculture:					
Wheat	13,794,365	13,293,302	15,155,289	13,403,510	16,311,535
Corn	845,755	844,471	838,465	1,046,821	966,449
Sorghum grains	9,396	23,144	35,491	16,305	13,525
Oats	1,372,154	1,186,626	982,668	935,985	1,556,286
Barley	3,272,853	2,657,617	2,710,432	1,740,092	2,189,993
Rye	149,493	141,647	142,393	207,256	180,329
Rice	27,478	38,167	39,457	57,484	61,971
Grain, n.o.s.	26,194	47,354	61,093	78,613	52,314
Flour, wheat	1,689,048	1,639,965	1,480,964	1,504,838	1,545,738
Meal, corn	14,802	18,696	20,031	19,457	19,461

TABLE 11. Traffic Carried, 1959-63 - Continued

	1959	1960	1961	1962	1963
tons (2,000 lb.)					
Products of agriculture - Concluded:					
Flour, edible, n.o.s.....	88,181	84,410	135,757	86,094	81,668
Cereal food preparations, n.o.s.....	227,547	256,594	272,014	235,262	244,213
Mill products, n.o.s.....	1,377,744	1,299,575	1,269,924	1,149,053	1,248,380
Hay	51,784	65,271	114,416	61,864	61,374
Straw	8,017	7,900	27,983	7,731	1,077
Tobacco, unmanufactured	62,368	58,784	49,714	59,051	58,469
Tobacco siftings, sweepings and waste	2,397	2,479	1,150	3,865	915
Cotton in bales	114,070	117,837	124,567	127,779	122,761
Cotton linters, noils, and regins	38,777	36,140	35,064	32,427	40,012
Cottonseed	740	222	278	184	74
Cottonseed oil cake and meal	1,445	9,643	4,588	1,641	2,376
Cottonseed hulls and bran	641	1,418	3,792	638	223
Soybeans	84,584	51,165	100,285	103,315	85,107
Soybeans oil cake and meal	610,674	551,795	511,437	564,859	507,990
Vegetable and nut oil cake and meal, n.o.s.	39,071	35,184	39,830	35,307	35,164
Apples, fresh, not frozen	91,371	91,286	87,105	81,400	108,180
Bananas, fresh	138,808	153,723	111,456	98,286	84,622
Berries, fresh, not frozen	2,421	2,620	1,770	1,441	577
Cantaloupes and melons, n.o.s.	23,173	59,098	27,510	37,027	37,576
Grapes, fresh	74,805	81,553	79,529	84,650	101,423
Lemons, limes, and citrus fruits, n.o.s.	16,825	20,535	16,332	20,055	16,152
Oranges and grapefruit	218,178	192,861	162,180	146,767	150,548
Peaches, fresh, not frozen	18,102	22,026	22,054	18,177	15,293
Pears, fresh, not frozen	23,747	20,563	18,905	20,189	24,981
Watermelons	23,547	29,348	20,130	19,470	23,216
Fruits, fresh, n.o.s., not frozen	30,612	31,338	31,464	40,273	26,203
Fruits, dried, dehydrated, and evaporated, n.o.s.	29,824	27,398	22,050	24,265	20,964
Fruits and berries, fresh, frozen	21,399	18,321	14,385	19,494	15,465
Coffee	69,908	84,384	72,942	77,183	77,036
Cabbage	26,483	28,923	26,594	18,803	25,349
Celery	42,883	38,994	38,761	32,028	46,308
Lettuce	79,142	78,571	83,849	89,031	111,925
Onions, dry	38,995	39,475	26,661	32,583	46,598
Potatoes, other than sweet	745,537	710,573	611,646	806,160	797,953
Tomatoes	73,083	77,518	70,589	73,609	69,614
Vegetables, fresh, n.o.s., not frozen	136,464	153,832	160,072	143,014	164,362
Beans and peas, dried	112,708	91,322	106,559	105,893	120,689
Vegetables, dried, dehydrated, and evaporated, n.o.s.	3,398	4,066	3,753	2,631	2,378
Vegetables, fresh, frozen	28,836	28,179	40,889	28,292	33,475
Peanuts	11,336	12,036	10,012	23,046	21,936
Sugar beets	744,565	689,596	650,597	477,670	609,150
Malt, n.o.s.	371,223	367,653	413,224	365,659	412,017
Flaxseed	575,003	540,562	481,201	451,432	368,712
Seeds, n.o.s.	214,357	406,221	309,475	261,652	270,750
Products of agriculture, n.o.s.	92,379	94,480	133,665	95,926	113,118
Totals	27,988,690	26,668,459	28,012,441	25,177,337	29,303,974
Animals and products:					
Horses, mules, ponies, and asses	13,417	11,865	10,378	9,894	9,575
Cattle and calves, single-deck	284,677	261,878	275,807	227,117	191,741
Calves, double-deck	1,392	1,331	3,147	4,300	2,830
Sheep and goats, single-deck	8,104	6,042	6,810	3,805	2,085
Sheep and goats, double-deck	7,006	10,280	14,026	11,726	5,491
Swine, single-deck	179,194	115,703	95,770	70,394	48,083
Swine, double-deck	13,332	22,399	36,529	49,087	61,726
Meats, fresh, n.o.s.	369,193	515,420	473,206	473,199	547,921
Meats, cooked, cured, dried, and smoked	43,000	46,483	38,237	40,452	52,377
Packing house products, edible, n.o.s.	119,551	201,008	106,527	77,954	72,052
Margarine, n.o.s.	19,255	18,609	25,459	24,853	22,596
Poultry, live	267	738	485	377	157
Poultry, dressed and frozen	31,588	28,636	35,298	34,728	34,743

TABLE 11. Traffic Carried, 1959-63 - Continued

	1959	1960	1961	1962	1963
tons (2,000 lb.)					
Animals and products - Concluded:					
Eggs	6,202	5,414	4,122	3,137	6,318
Butter	57,776	54,931	55,309	50,649	53,251
Cheese	47,344	54,919	50,152	56,911	67,274
Dairy products, n.o.s.	1,739	2,899	3,260	2,521	3,537
Wool and mohair in grease	34,084	25,802	31,004	23,246	18,188
Wool and mohair, n.o.s.	11,901	12,205	15,966	13,399	11,118
Hides, skins, and pelts, n.o.s.	119,909	123,089	144,118	135,044	116,614
Leather, n.o.s.	4,246	2,839	2,235	4,408	4,958
Sea food, n.o.s.	54,554	52,223	49,353	38,357	37,142
Fish and sea animal oil	24,508	19,115	32,099	49,520	43,169
Animals and products, n.o.s.	119,149	101,625	109,935	103,206	116,091
Totals	1,571,388	1,695,451	1,619,212	1,508,284	1,529,037
Products of mines:					
Anthracite coal, n.o.s.	1,555,670	1,377,962	1,134,688	977,969	962,083
Anthracite coal to breakers and washeries	104	142	14,180	34,024	-
Bituminous coal	11,949,461	11,259,474	10,461,389	10,184,111	10,002,904
Coke	1,581,553	1,582,395	1,571,791	1,356,092	1,394,295
Iron ore	22,313,720	18,688,634	16,897,166	24,239,159	27,698,186
Aluminum ore and concentrates	2,678,959	2,930,538	2,165,061	1,841,664	1,857,330
Copper ore and concentrates	461,025	653,964	686,243	789,427	885,001
Copper-nickel (nickel) ore and concentrates	3,006,697	3,009,773	3,850,102	2,857,401	2,135,841
Lead ore and concentrates	212,683	299,652	307,980	286,608	309,923
Zinc ore and concentrates	676,516	641,965	836,525	1,168,650	1,198,566
Ores and concentrates, n.o.s.	1,491,191	2,162,310	1,574,260	1,068,747	977,514
Barytes	61,300	48,305	35,999	20,413	48,896
Clay and bentonite	423,382	390,868	361,187	414,708	459,980
Sand, industrial	778,562	715,965	744,445	805,784	791,512
Gravel and sand, n.o.s.	5,664,251	5,592,658	5,048,931	5,452,696	5,722,289
Stone and rock: broken, ground, and crushed	6,694,809	5,952,700	5,237,255	5,017,049	5,430,004
Flusing stone and raw dolomite	420,989	261,907	139,391	73,054	77,704
Stone, rough, n.o.s.	83,223	56,266	109,940	149,799	79,530
Stone, finished, n.o.s.	25,211	27,382	19,991	18,133	18,483
Petroleum, crude	683,745	633,632	523,317	642,770	424,980
Asphalt	434,834	382,186	331,243	333,485	349,628
Salt	1,125,429	1,167,670	1,275,427	1,587,575	1,194,617
Phosphate rock	578,922	668,903	796,295	1,024,374	1,023,821
Sulphur	259,032	406,308	532,604	775,359	1,309,600
Asbestos, not further processed than milled	993,863	1,067,202	1,073,129	1,073,988	1,054,276
Gypsum, crude	4,831,854	3,431,907	4,002,471	4,451,586	4,841,053
Products of mines, n.o.s.	2,191,449	2,130,527	1,657,634	1,592,217	1,580,954
Totals	71,178,434	65,541,195	61,388,644	68,236,842	71,828,970
Products of forests:					
Logs, butts, and bolts	1,649,650	2,070,962	1,655,832	2,240,469	2,300,412
Posts, poles, and piling, wooden	407,745	413,744	401,548	362,210	332,550
Wood fuel	27,651	16,077	11,595	11,855	9,165
Ties, railroad	48,397	107,647	69,661	57,934	68,272
Pulpwood	4,121,483	4,794,373	4,574,296	4,867,930	4,857,912
Lumber, singles, and lath	7,230,133	6,361,573	6,398,233	6,608,073	6,941,623
Box, crate, and cooperage materials	52,101	50,166	45,412	45,448	41,128
Veneer, plywood, and built-up wood	796,102	735,936	859,210	855,776	887,076
Rosin and turpentine	25,507	21,450	20,653	18,221	58,063
Products of forests, n.o.s.	377,349	388,069	455,264	373,409	431,242
Totals	14,736,118	14,960,197	14,491,704	15,441,325	15,927,443
Manufactures and miscellaneous:					
Gasoline	3,758,267	3,534,790	2,958,634	2,812,250	2,917,987
Fuel, road, and petroleum residual oils, n.o.s.	3,493,058	3,326,756	2,980,107	3,111,273	3,498,344
Lubricating oils and greases	387,239	351,257	328,767	325,160	317,619
Petroleum products, refined, n.o.s.	686,466	638,562	620,376	713,974	913,140

TABLE 11. Traffic Carried, 1959-63 - Continued

	1959	1960	1961	1962	1963
tons (2,000 lb.)					
Manufactures and miscellaneous—Continued:					
Gases, other than petroleum, n.o.s.....	372,983	404,819	436,481	450,605	486,062
Cottonseed oil.....	22,979	25,744	26,496	29,149	32,666
Linseed oil	20,369	17,799	14,375	13,690	12,158
Soybean oil	126,058	114,413	73,239	111,816	110,833
Vegetable and nut oils, n.o.s.....	90,338	71,387	93,480	99,003	87,071
Oils, n.o.s.....	10,340	15,032	19,057	20,892	23,408
Oil foots, sediment, and tank bottoms	13,658	11,739	11,678	26,727	19,597
Rubber crude, natural, and synthetic	238,992	217,871	192,634	220,382	209,121
Rubber goods, n.o.s.....	11,004	13,260	12,481	11,639	11,138
Chemicals, n.o.s.....	960,434	970,282	966,304	1,209,510	1,135,773
Sulphuric acid	97,955	79,965	84,765	94,851	173,333
Acids, n.o.s.....	86,578	104,740	80,894	87,833	110,449
Sodium (soda) products	987,816	1,098,227	1,053,703	1,003,581	1,105,284
Alcohol, n.o.s.....	62,161	57,807	55,125	57,869	64,937
Blacks, n.o.s.....	47,995	37,748	45,163	67,480	58,909
Fertilizers, n.o.s.....	2,028,396	2,126,095	2,207,462	2,523,154	3,352,315
Insecticides and fungicides, n.o.s.....	18,911	22,309	24,242	24,103	20,385
Tar, pitch, and creosote	220,690	188,178	146,584	138,507	120,286
Tanning material, n.o.s.....	6,834	3,624	6,038	4,998	2,706
Paint, paint material, putty and varnish.....	110,514	111,237	123,582	127,011	125,824
Plastics	77,371	101,043	97,584	127,950	131,334
Cellulose articles, n.o.s.....	4,880	7,793	8,066	12,600	16,907
Drugs, medicines, and toilet preparations	25,922	25,401	20,273	21,648	17,719
Aluminium: bar, ingot, pig, and slab	351,552	390,892	366,121	463,543	520,501
Aluminium, n.o.s.....	58,843	76,512	69,341	81,120	115,192
Copper: ingots, and pig	485,314	547,594	526,188	508,630	513,606
Copper, brass, and bronze, n.o.s.....	250,143	291,393	273,019	242,081	257,218
Lead and zinc: bar, ingot, and pig	427,724	432,606	443,701	474,234	459,294
Lead and zinc, n.o.s.....	8,615	4,374	3,454	4,514	6,264
Magnesium metal and alloy	12,391	11,893	7,556	8,353	8,958
Alloys for steel manufacture.....	141,312	147,277	127,197	141,265	137,026
Matte	308,320	326,530	346,400	309,065	247,665
Metals and alloys, n.o.s.....	55,920	71,206	109,212	104,371	115,852
Iron, pig	292,742	185,334	163,128	188,848	235,054
Iron and steel: billet, bloom, and ingot	490,940	439,018	257,957	323,772	310,151
Iron and steel: bar, rod, and slab.....	453,975	411,593	522,473	461,795	592,255
Iron and steel, n.o.s.....	57,318	104,027	51,755	148,456	189,916
Iron and steel nails and wire (woven and not woven) n.o.s.	126,732	100,675	91,578	101,018	95,794
Manufactured iron and steel	2,551,179	2,446,212	2,037,542	2,318,205	2,467,202
Cast iron pipe and fittings	26,323	20,490	17,722	19,667	22,232
Iron and steel pipe and fittings, n.o.s.....	419,144	484,215	638,178	397,551	429,705
Tanks, n.o.s.....	28,469	31,876	27,186	29,329	38,799
Agricultural implements, n.o.s.....	265,866	235,245	203,375	212,266	256,703
Agricultural implement parts, n.o.s.....	20,006	15,420	18,467	14,169	16,011
Machinery and machines, n.o.s.....	456,363	434,324	362,597	398,600	379,472
Machinery parts	103,996	97,907	89,434	118,518	126,478
Business and office machines, n.o.s.....	1,292	1,594	1,387	1,566	911
Railway equipment moved on own wheels	32,854	46,021	47,903	55,631	71,637
Railway equipment, S.U. not moved on own wheels	7,949	4,215	5,004	6,786	5,625
Railway equipment parts	56,441	50,387	56,125	56,053	50,826
Rails and railway track material, iron and steel	180,395	135,313	113,295	138,999	199,972
Vehicles, other than motor	18,712	16,501	16,418	17,224	16,864
Automobiles, passenger	346,606	407,635	368,209	428,990	527,263
Automobiles, freight	52,552	54,432	51,119	60,957	78,999
Vehicles, motor, n.o.s.....	177,592	135,105	114,935	117,319	121,436
Military vehicles, n.o.s.....	7,075	3,315	3,425	8,969	5,622
Automobiles and autotrucks, k.d.....	26,398	40,625	27,104	25,919	28,341
Vehicle parts, n.o.s.....	1,383,550	1,493,782	1,226,692	1,487,882	1,508,242
Airplanes, aircraft, and parts	4,528	3,987	4,993	3,519	2,653
Tires and tubes, rubber	109,150	98,624	88,852	95,601	96,140
Guns, small arms, and parts, n.o.s.....	4,240	4,757	3,603	2,150	1,294

TABLE 11. Traffic Carried, 1959-63 - Continued

	1959	1960	1961	1962	1963
tons (2,000 lb.)					
Manufactures and miscellaneous - Continued:					
Ammunition and explosives	103,775	82,622	56,811	71,607	69,958
Cement: natural and portland	1,471,829	1,212,139	1,415,440	1,403,637	1,313,805
Cement, n.o.s.	69,989	115,189	129,818	155,943	137,221
Brick, common	24,437	23,210	19,571	31,188	23,834
Brick, n.o.s. and building tile	334,977	327,365	302,656	273,942	226,853
Refractories	274,863	296,441	260,388	255,504	249,104
Artificial stone, n.o.s.	36,446	37,219	47,294	36,649	43,936
Lime, n.o.s.	623,993	510,532	465,824	651,363	666,360
Plaster: stucco and wall	150,282	108,653	98,850	109,539	95,120
Sewer pipe and drain tile (not metal)	61,074	47,350	42,230	46,392	49,255
Broken or ground brick, blocks, crockery, and glass	11,539	15,756	13,999	29,930	17,937
Woodpulp	2,547,531	2,518,188	2,688,225	3,048,415	3,186,693
Scrap paper and rags	300,045	259,464	260,674	289,613	291,629
Newsprint paper	4,256,951	4,236,852	4,397,864	4,232,493	4,121,218
Printing paper, n.o.s.	678,469	744,351	631,455	732,065	747,908
Wrapping paper	230,955	218,065	199,756	204,814	187,808
Paper bags	64,532	64,127	61,549	58,303	57,123
Paper and paper articles, n.o.s.	330,852	349,652	339,031	373,281	403,813
Printed matter, n.o.s.	46,338	39,758	42,221	51,146	34,417
Paperboard, fibreboard, and pulpboard	627,458	604,726	596,732	607,082	663,429
Wallboard	448,931	380,414	326,374	351,497	336,529
Building paper and prepared roofing materials	199,850	173,955	156,084	148,496	138,795
Insulating materials, n.o.s.	142,586	114,232	109,396	103,194	101,949
Building woodwork and millwork	61,880	50,743	56,422	57,775	47,970
Building materials, n.o.s.	21,772	20,367	19,943	25,892	20,423
Buildings and houses, fabricated and portable, n.o.s.	9,913	8,406	6,996	18,746	11,539
Asbestos articles, n.o.s.	6,701	4,846	4,862	4,903	5,416
Electrical equipment and parts, n.o.s.	125,370	118,527	102,612	107,588	109,101
Furnaces, heaters, radiators, and parts	39,789	34,911	30,905	30,600	25,708
Bathroom and lavatory fixtures and sinks	27,273	21,375	22,190	18,952	18,998
Hardware, n.o.s.	24,149	21,271	24,073	18,014	14,860
Glass	86,558	76,915	73,304	86,034	78,179
Glassware, n.o.s.	41,942	47,495	42,742	48,198	41,521
Glass bottles, jars, and packing glasses, n.o.s.	134,479	138,705	118,156	154,164	129,594
Chinaware, crockery and earthenware	11,746	8,611	7,545	8,197	8,201
Woodenware	24,433	26,320	25,898	23,064	23,836
Household utensils, n.o.s.	8,355	9,160	7,504	7,631	6,306
Refrigerators, freezing apparatus, and parts	86,463	76,411	67,428	67,678	71,666
Laundry equipment	51,341	41,878	39,525	42,520	40,029
Stoves, ranges and parts	30,233	25,993	21,875	20,216	19,576
Floor covering	48,278	28,891	27,945	32,629	61,115
Furniture, n.o.s.	78,175	71,789	61,036	68,018	71,119
Furniture parts	4,779	5,319	3,488	3,533	4,362
Tools and parts, n.o.s.	4,808	5,106	5,138	4,345	3,531
Abrasives, other than crude	26,420	19,679	18,871	35,530	29,291
Bagging: burlap, cotton, gunny, and jute, n.o.s.	16,562	22,626	25,184	30,279	34,171
Bags: burlap, cotton, gunny, and jute, n.o.s.	6,989	8,079	12,864	4,698	3,637
Cotton cloth and cotton fabrics, n.o.s.	22,775	23,499	23,689	25,542	26,528
Cotton factory products	21,112	20,168	17,736	16,711	17,448
Synthetic fiber and yarns (rayon and nylon)	7,621	8,248	5,053	16,182	16,123
Cloth and fabrics, n.o.s.	10,617	4,854	5,907	11,437	13,375
Rope, cordage, and binder twine, n.o.s.	33,880	29,112	27,631	38,697	37,363
Boots, shoes, and findings, n.o.s.	11,086	11,827	10,464	12,502	9,027
Luggage and handbags, n.o.s.	676	957	862	918	1,085
Athletic, gymnasium, playground, and sporting equipment, n.o.s.	3,217	4,533	3,513	3,675	3,465
Games and toys	7,497	7,672	6,903	6,207	6,943
Liquors, alcoholic, n.o.s.	116,759	108,477	105,405	116,295	118,628
Wine	43,053	43,570	42,965	40,347	42,787
Liquors, malt	520,828	563,381	650,130	646,918	642,845
Beverages, n.o.s.	11,281	16,513	18,182	18,536	20,603

TABLE 11. Traffic Carried, 1959-63 - Concluded

	1959	1960	1961	1962	1963
tons (2,000 lb.)					
Manufactures and miscellaneous - Concluded:					
Ice	10,442	7,715	1,425	4,147	6,631
Syrup and molasses, refined	130,920	123,622	143,512	173,031	189,251
Molasses, residual	84,414	90,902	56,933	70,097	87,610
Sugar	534,144	576,991	547,980	579,327	610,582
Candy and confectionery	81,522	84,110	86,660	90,046	84,731
Food products, n.o.s., in cans and packages, not frozen	1,419,692	1,440,969	1,313,466	1,338,341	1,389,141
Food products, n.o.s. frozen	47,875	43,209	48,290	63,926	56,756
Starch	104,186	94,957	95,001	109,180	116,981
Soap and cleaning and washing compounds	163,823	163,153	143,362	177,320	186,280
Matches	3,195	2,490	3,482	3,765	3,732
Feed, animal and poultry, n.o.s.	1,538,891	1,364,632	1,233,505	1,487,652	1,555,022
Manufactured tobacco, n.o.s.	9,317	8,820	6,457	4,368	4,850
Cigarettes	43,827	38,136	44,748	40,445	31,332
Containers, metal	172,491	166,830	158,603	171,140	165,179
Containers, wooden	21,452	25,343	28,275	28,487	32,180
Containers, fibreboard and paperboard, k.d.	87,770	80,328	63,172	67,718	57,522
Containers, n.o.s.	51,686	51,465	44,456	49,474	47,650
Containers, returned empty	246,043	250,148	258,034	256,977	244,248
Scrap iron and scrap steel	1,268,048	1,128,166	1,139,926	1,131,288	1,413,518
Iron and steel borings, turnings, etc.	50,728	53,197	30,566	58,056	38,985
Furnace slag	63,762	76,783	85,832	115,034	167,504
Waste materials for remelting, n.o.s.	310,861	316,345	275,741	285,225	266,567
Waste materials, n.o.s.	163,028	170,542	107,440	83,728	73,434
Manufactures and miscellaneous, n.o.s.	3,957,585	4,229,786	4,483,817	4,788,212	4,899,548
Total manufactures and miscellaneous	49,162,943	48,285,917	46,378,066	49,342,838	52,062,773
Grand totals, carload traffic	164,637,573	157,149,219	151,890,067	159,706,626	170,652,197
All L.C.L. freight	1,457,576	1,312,915	1,190,250	1,223,715	1,083,429
Grand totals, carload and L.C.L. traffic	166,095,149	158,462,134	153,080,317	160,930,341	171,735,626

TABLE 12. Freight Cars in Service at December 31,¹ 1959-63

	Number	Capacity	
		Total	Average
tons (2,000 lb.)			
Automobile:			
1959	7,270	324,390	44,620
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
Ballast:			
1959	3,140	185,315	59,018
1960	3,128	184,575	59,007
1961	3,113	183,785	59,018
1962	3,054	179,040	58,623
1963	3,009	176,770	58,747

¹ Excludes privately-owned railway cars.

TABLE 12. Freight Cars in Service at December 31,¹ 1959-63 - Concluded

	Number	Capacity	
		Total	Average
		tons (2,000 lb.)	
Box:			
1959	114,181	5,343,735	46,801
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
Flat:			
1959	12,270	576,114	46,953
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
Gondola:			
1959	20,428	1,341,115	65,651
1960	20,310	1,334,443	65,704
1961	20,188	1,321,660	65,534
1962	19,729	1,299,412	65,863
1963	19,323	1,276,935	66,084
Hopper:			
1959	15,801	1,039,805	66,650
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
Ore:			
1959	5,964	474,730	79,599
1960	5,930	473,261	79,808
1961	5,892	467,691	79,377
1962	6,379	517,071	81,058
1963	6,337	523,902	82,674
Refrigerator:			
1959	10,155	447,475	44,065
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	47,593
Stock:			
1959	5,025	178,860	35,594
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
Tank:			
1959	455	22,470	49,385
1960	472	23,380	49,492
1961	479	23,570	49,207
1962	544	27,497	50,546
1963	546	27,034	49,513
Other:			
1959	23	810	35,217
1960	31	1,050	33,871
1961	312	12,870	41,250
1962	362	17,120	47,273
1963	579	30,260	52,263
Totals:			
1959	194,512	9,934,819	51,076
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

¹ Excludes privately-owned railway cars.

TABLE 13. Passenger Cars in Service at December 31, 1959-63

	1959	1960	1961	1962	1963
Self-propelled passenger train cars	128	111	103	99	98
Coach	1,409	1,342	1,237	1,142	1,054
Combination passenger	182	172	152	145	135
Colonist	96	88	81	53	50
Dining	159	149	134	131	131
Parlour	143	137	127	122	129
Sleeping	919	861	804	716	676
Baggage, express and postal	2,353	2,218	2,061	1,933	1,866
Other	67	41	38	37	33
Totals¹	5,456	5,119	4,737	4,378	4,172
Cars in company service:					
Caboose	3,148	3,051	2,902	2,748	2,635
All other	16,273	16,114	15,774	15,760	15,232
Totals	19,421	19,165	18,676	18,508	17,867
Cars leased (included in above)	5,012	4,417	4,353	4,190	5,298

¹ Includes Pullman Co. cars in Canadian service.

TABLE 14. Locomotives in Service at December 31, 1959-63

	1959	1960	1961	1962	1963
number					
Locomotives:					
Steam:					
Coal burning	1,143	335	144	104	1
Oil burning	371	68	53	34	6
Diesel electric:					
"A" units	449	447	446	442	450
"B" units	180	184	183	181	186
Road switcher units	1,802	1,952	1,956	1,975	1,994
Yard switcher units	724	725	724	722	717
Electric	51	41	41	39	31
Totals	4,720	3,752	3,547	3,497	3,385
Leased (included in above)	128	36	36	52	102
Tractive power, average pounds per locomotive	53,368	55,791	56,597	56,807	58,141

TABLE 15. Fuel Consumed by Motive Power at December 31, 1959-63

	1959	1960	1961	1962	1963
Locomotives					
Consumption:					
Bituminous coal	ton	554,260	76,485	10,581	512
Fuel oil	gal.	64,136,202	7,258,458	70,233	52,004
Diesel oil	"	331,644,445	340,891,926	337,701,023	339,605,658
Crude oil	"	—	—	985,106	3,307,668
Gasoline	"	—	—	—	600
Cost:					
Bituminous coal	\$	5,825,692	810,998	104,381	5,058
Fuel oil	\$	2,792,234	354,489	6,445	5,570
Diesel oil	\$	45,582,540	45,163,403	44,430,226	45,153,704
Crude oil	\$	—	—	84,587	298,215
Gasoline	\$	—	—	—	165
Average cost per ton or gal.:					
Bituminous coal	\$	10.51	10.60	9.86	9.88
Fuel oil	¢	4.35	4.88	9.18	10.71
Diesel oil	¢	13.74	13.25	13.16	13.30
Crude oil	¢	—	—	8.59	9.02
Gasoline	¢	—	—	—	27.50
Rail motor cars, etc.					
Consumption:					
Fuel oil	gal.	4,465,484	—	—	—
Diesel oil	"	32,102	28,146	29,266	33,450
Gasoline	"	—	—	—	30,742
Total cost	\$	614,833	660,398	608,988	566,119
					593,292

TABLE 16. Fuel Consumed for Heating and Other Railway Purposes, 1959-63

		1959	1960	1961	1962	1963
Anthracite.....	ton	14,206	9,676	8,931	5,115	5,334
Bituminous	"	377,565	300,638	249,512	213,814	187,608
Sub-bituminous	"	—	19,275	46,671	21,069	12,173
Lignite.....	"	255,256	250,553	163,533	146,620	119,425
Fuel oil	gal.	37,941,658	39,110,742	40,257,975	42,492,114	45,002,764
Diesel oil	"	6,790,643	7,698,115	10,682,498	13,580,303	11,534,719
Gasoline	"	2,716,579	2,267,597	4,020,399	3,700,567	4,420,055
Gas.....	cu. ft.	1,168,492,863	837,958,806	820,786,896	1,036,420,240	1,219,892,053

TABLE 17. Rails Laid in Track, 1959-63

	1959	1960	1961	1962	1963
tons (2,000 lb.)					
In previously constructed track:					
New open hearth	194,204	177,999	132,629	118,636	152,692
Relay.....	190,848	152,743	149,829	145,951	115,924
Other	247	172	1,705	1,083	465
Totals	385,299	330,914	284,163	265,670	269,081
In new track and extension:					
New open hearth	3,302	2,013	4,038	1,844	1,624
Relay.....	26,287	24,365	39,216	25,847	23,206
Other	79	111	168	388	1,790
Totals	29,668	26,489	43,422	28,079	26,620

TABLE 18. Total Switch and Bridge Ties Placed in Track, 1959-63

	1959	1960	1961	1962	1963	
Treated - M bd. feet.....	No.	10,440	10,368	10,070	10,216	10,970
Average cost	\$	116.22	124.33	110.72	115.68	121.27
Untreated - M bd. feet	No.	1,956	539	326	1,075	309
Average cost	\$	108.07	94.35	79.42	124.84	101.05
Totals - M bd. feet	No.	12,396	11,037	10,396	11,291	11,279
Average cost	\$	114.93	121.40	109.74	116.55	120.71

TABLE 19. Cross-ties Purchased, 1959-63

	1959	1960	1961	1962	1963
number					
Hardwood:					
Beech	250,961	135,446	56,997	86,381	96,920
Birch	420,018	250,865	112,521	197,642	175,904
Maple	524,381	295,007	200,272	361,899	319,925
Oak	62,252	311,590	27,693	66,922	44,094
Other hardwood	29,583	27,456	29,276	25,979	45,055
Totals	1,287,195	1,020,364	426,759	738,823	681,898
Softwood:					
Cedar	6,793	8,114	6,097	7,843	10,438
Fir	328,956	329,645	205,298	205,527	263,865
Hemlock	84,336	57,198	48,298	21,873	24,819
Pine	2,792,759	2,542,754	1,362,842	1,247,089	2,375,985
Tamarack	1,004	—	38,644	1,840	—
Other softwood	26,618	5,582	18,481	10,542	4,084
Totals	3,240,466	2,953,293	1,679,660	1,494,714	2,679,191

TABLE 20. Cross-ties Placed in Track, 1959-63

		1959	1960	1961	1962	1963
In previously constructed track:						
Treated ties.....	No.	4,518,536	3,745,360	3,531,119	3,245,392	3,228,567
Untreated ties.....	"	216,840	153,894	93,791	98,967	62,826
Totals	"	4,735,376	3,899,254	3,624,910	3,344,359	3,291,393
In new track and extensions:						
Treated ties.....	"	573,715	408,757	483,822	457,103	390,044
Untreated ties.....	"	21,439	19,277	11,495	9,275	13,372
Totals	"	595,154	428,034	495,317	466,378	403,416
Average cost:						
Treated ties.....	\$	3.08	3.00	2.99	2.86	2.83
Untreated ties.....	\$	1.84	1.76	1.73	1.72	1.77

TABLE 21. Persons Injured in Train and Non-train Accidents and Dying after Twenty-four Hours, 1959-63

	1959	1960	1961	1962	1963
number					
Trainmen.....	1	—	1	—	—
Switchtenders, watchmen, etc.	—	—	—	—	—
Stationmen	—	—	—	—	—
Shopmen	—	—	2	—	—
Trackmen	3	1	—	3	—
Telegraph employees.....	—	—	—	—	—
Other employees	1	—	—	—	—
Passengers	2	—	—	—	—
Postal - Express - Pullman employees	—	—	—	—	—
Trespassers	—	1	1	2	2
Other persons.....	6	7	3	—	7
Totals	13	9	7	5	9

TABLE 22. Time Lost by Employees through Injuries Incurred in Train and Non-train Accidents, 1959-63

		Class of accident	1959	1960	1961	1962	1963
Trainmen	Number.....	Train.....	754	619	641	637	596
	"	Non-train.....	104	81	63	62	63
	Days absent		31,536	27,543	20,399	23,546	23,184
Switchtenders, watchmen, etc.	Number.....	Train.....	127	112	86	80	74
	"	Non-train.....	30	27	24	29	20
	Days absent		5,302	5,540	3,158	4,461	3,923
Stationmen	Number.....	Train.....	5	6	4	6	8
	"	Non-train.....	239	215	320	431	514
	Days absent		7,141	7,087	10,523	11,137	12,501
Shopmen	Number.....	Train.....	16	8	21	13	21
	"	Non-train.....	739	545	590	558	457
	Days absent		22,941	16,149	15,358	14,945	15,722
Trackmen.....	Number.....	Train.....	76	58	47	43	43
	"	Non-train.....	760	668	693	642	680
	Days absent		35,950	36,198	29,596	26,113	27,127
Telegraph employees	Number.....	Train.....	5	3	9	1	1
	"	Non-train.....	119	101	112	131	83
	Days absent		3,542	2,654	3,286	3,761	2,296
Other employees	Number.....	Train.....	109	89	73	97	110
	"	Non-train.....	173	151	137	137	95
	Days absent		6,747	7,543	6,877	6,980	4,746
Totals	Number.....	Train.....	1,092	895	881	877	853
	"	Non-train.....	2,164	1,788	1,939	1,990	1,912
	Days absent		113,159	102,714	89,197	90,943	88,499

TABLE 23. Accidents Resulting from the Movement of Trains, 1959-63

Causes	1959	1960	1961	1962	1963	number
Coupling and uncoupling	54	49	57	55	40	
Collisions - Between:						
Railway rolling stock	48	29	37	27	28	
Trains or locomotives and motor vehicles or horse-drawn vehicles:						
At highway crossings	424	369	351	363	396	
At other points	57	53	54	53	57	
Track cars or hand cars and motor vehicles or horse-drawn vehicles:						
At highway crossings	16	8	15	6	2	
At other points	6	2	3	3	5	
Pedestrians struck by trains or locomotives, cars or hand cars, etc.:						
At highway crossings	19	23	13	11	15	
At other points	127	123	103	132	81	
Derailments	71	71	48	65	40	
Locomotives or cars breaking down	18	10	2	9	—	
Getting on or off trains	255	222	264	229	254	
Falling from trains, locomotives or cars	92	61	62	50	60	
Striking overhead or other obstructions	28	24	21	20	19	
Other causes	602	524	501	556	530	
Totals	1,817	1,568	1,531	1,579	1,527	

TABLE 24. Passengers and Employees Killed and Injured in Train Accidents - By Cause, 1959-63

Causes	1959	1960	1961	1962	1963	Number of persons killed
Passengers						
Coupling and uncoupling	—	—	—	—	—	—
Collisions - Between:						
Railway rolling stock	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	—	—	—	—	—	—
Pedestrians struck by trains, locomotives or cars:						
At highway crossings	—	—	—	—	—	—
At other points	—	—	1	—	—	—
Derailments	2	—	—	—	—	—
Locomotives or cars breaking down	—	—	—	—	—	—
Getting on or off trains	—	—	—	—	—	—
Falling from trains, locomotives or cars	—	—	—	—	2	—
Striking overhead or other obstructions	—	—	—	—	—	—
Other causes	—	1	—	—	—	—
Totals	9	2	1	—	2	
Employees						
Coupling and uncoupling	—	—	2	1	—	—
Collisions - Between:						
Railway rolling stock	8	5	4	—	1	—
Trains or locomotives and motor or horse-drawn vehicles:						
At highway crossings	—	—	—	—	1	—
At other points	—	—	—	—	2	—
Track or hand cars and motor or horse-drawn vehicles:						
At highway crossings	—	—	—	—	—	—
At other points	—	—	—	—	—	—
Pedestrians struck by trains, locomotives or cars:						
At highway crossings	—	—	—	—	—	—
At other points	11	3	5	3	6	
Derailments	2	4	—	1	3	
Locomotives or cars breaking down	—	—	—	1	—	
Getting on or off trains	1	2	2	1	4	
Falling from trains, locomotives or cars	2	4	1	2	5	
Striking overhead or other obstructions	3	—	—	—	—	
Other causes	3	6	8	10	1	
Totals	30	24	22	19	23	

TABLE 24. Passengers and Employees Killed and Injured in Train Accidents — By Cause, 1959-63 — Concluded

Causes	1959	1960	1961	1962	1963
Number of persons injured					
Passengers					
Coupling and uncoupling	—	—	—	—	—
Collisions — Between:					
Railway rolling stock	74	104	16	9	4
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	21	8	6	26	—
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	—	—	—	1
At other points	1	—	—	—	—
Derailments	20	5	—	9	43
Locomotives or cars breaking down	—	—	—	—	—
Getting on or off trains	2	7	14	20	28
Falling from trains, locomotives or cars	2	1	1	—	2
Striking overhead or other obstructions	—	—	—	—	1
Other causes	30	26	36	42	78
Totals	151	131	73	106	157
Employees					
Coupling and uncoupling	50	47	55	50	40
Collisions — Between:					
Railway rolling stock	68	48	34	18	32
Trains or locomotives and motor or horse-drawn vehicles:					
At highway crossings	5	4	3	17	7
At other points	3	—	—	2	—
Track or hand cars and motor or horse-drawn vehicles:					
At highway crossings	12	14	25	9	2
At other points	5	4	3	2	5
Pedestrians struck by trains, locomotives or cars:					
At highway crossings	—	—	—	—	—
At other points	15	9	9	11	13
Derailments	24	29	19	21	39
Locomotives or cars breaking down	18	8	2	7	—
Getting on or off trains	245	200	231	191	203
Falling from trains, locomotives or cars	78	51	45	37	39
Striking overhead or other obstructions	26	19	14	18	15
Other causes	543	462	441	494	458
Totals	1,092	885	881	877	853

TABLE 25. Persons Killed and Injured in Train Accidents — By Class of Victim, 1959-63

Class of person	1959	1960	1961	1962	1963
Number of persons killed					
Employees:					
Trainmen	8	12	10	5	15
Switchtenders, watchmen, etc.	4	3	2	—	—
Stationmen	1	1	—	—	—
Shopmen	3	—	2	1	2
Trackmen	13	6	8	11	5
Telegraph employees	1	—	—	2	—
Other employees	—	2	—	—	1
Total employees	30	24	22	19	23
Passengers	9	2	1	—	2
Postal — Express — Pullman employees	3	1	—	1	—
Trespassers	65	52	46	72	43
Other persons	196	183	159	161	158
Grand totals	303	262	228	253	226
Suicides	4	6	4	5	7

TABLE 25. Persons Killed and Injured in Train Accidents - By Class of Victim, 1959-63 - Concluded

Class of person	1959	1960	1961	1962	1963
Number of persons injured ¹					
Employees:					
Trainmen	754	619	641	637	596
Switchtenders, watchmen, etc.	127	112	86	80	74
Stationmen	5	6	4	6	8
Shopmen	16	8	21	13	21
Trackmen	76	58	47	43	43
Telegraph employees	5	3	9	1	1
Other employees	109	89	73	97	110
Total employees	1,092	895	881	877	853
Passengers	151	151	73	106	157
Postal - Express - Pullman employees	14	14	11	11	15
Trespassers	56	63	67	57	45
Other persons	505	463	419	414	517
Grand totals	1,818	1,586	1,451	1,465	1,587
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, 1959-63

Causes	1959	1960	1961	1962	1963
Number of persons killed					
Handling traffic	—	—	2	3	2
Handling machinery, tools, etc.	3	—	10	4	3
Getting on or off locomotives and cars at rest	1	—	—	—	1
Other causes	9	10	9	13	5
Totals	13	10	21	20	11
Number of persons injured ¹					
Handling traffic	334	272	224	289	250
Handling machinery, tools, etc.	551	525	552	466	535
Getting on or off locomotives and cars at rest	92	74	69	96	51
Other causes	1,281	1,032	1,208	1,265	1,170
Totals	2,258	1,903	2,053	2,116	2,006

¹ See page 22 for time lost through injuries.

TABLE 27. Persons Killed and Injured in Non-train Accidents - By Class of Victim, 1959-63

Class of person	1959	1960	1961	1962	1963
Number of persons killed					
Employees:					
Trainmen	—	—	—	2	—
Switchtenders, watchmen, etc.	—	—	—	—	—
Stationmen	—	1	3	2	2
Shopmen	3	1	7	2	1
Trackmen	8	5	7	6	4
Telegraph employees	1	2	1	—	—
Other	—	—	—	2	3
Totals	12	9	18	14	10
Passengers	—	—	—	—	—
Postal - Express - Pullman employees	1	1	—	3	1
Trespassers	—	—	3	1	—
Other persons	—	—	—	2	—
Grand totals	13	10	21	20	11
Suicides	1	—	1	1	—

TABLE 27. Persons Killed and Injured in Non-train Accidents — By Class of Victim, 1959-63 — Concluded

Class of person	1959	1960	1961	1962	1963
Number of persons injured ¹					
Employees:					
Trainmen	104	81	63	62	63
Switchtenders, watchmen, etc.	30	27	24	29	20
Stationmen	239	215	320	431	514
Shopmen	739	545	590	558	457
Trackmen	760	668	693	642	680
Telegraph employees	119	101	112	131	83
Other	173	151	137	137	95
Totals	2,164	1,788	1,939	1,990	1,912
Passengers	42	64	55	64	55
Postal — Express — Pullman employees	24	18	21	23	18
Trespassers	1	3	6	5	7
Other persons	27	32	32	34	14
Grand totals	2,258	1,905	2,053	2,116	2,006
Attempted suicides	—	—	—	—	1

¹ See page 22 for time lost through injuries.

TABLE 28. Persons Killed and Injured in Accidents at Highway Crossings, 1959-63

	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:										
1959	—	—	2	—	1	—	—	—	3	—
1960	—	—	4	—	1	1	—	—	5	1
1961	—	—	1	—	—	2	—	—	1	2
1962	—	—	—	—	3	—	—	—	3	—
1963	—	—	4	—	—	—	—	—	4	—
Protected by automatic signals:										
1959	—	—	5	1	13	10	2	4	20	15
1960	—	—	4	1	15	3	5	—	24	4
1961	—	—	2	1	9	17	—	—	11	16
1962	—	—	5	3	16	23	—	—	21	26
1963	—	—	1	1	9	22	1	2	11	25
Protected by watchmen:										
1959	—	—	—	—	—	1	—	—	—	1
1960	—	—	—	—	2	—	—	—	2	—
1961	—	—	—	—	—	—	—	—	—	—
1962	—	—	—	—	—	—	—	—	—	—
1963	—	—	—	—	—	1	—	—	—	1
Total at protected crossings:										
1959	—	—	7	1	14	11	2	4	23	16
1960	—	—	8	1	18	4	5	—	31	5
1961	—	—	3	1	9	19	—	—	12	20
1962	—	—	5	3	19	23	—	—	24	26
1963	—	—	5	1	9	23	1	2	15	26
Unprotected:										
1959	—	5	2	1	40	72	6	14	48	92
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	31	69	1	2	33	73	—
Grand totals:										
1959	—	5	9	2	54	83	8	18	71	108
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	2	40	92	2	4	48	99	—

TABLE 28. Persons Killed and Injured in Accidents at Highway Crossings, 1959-1963 - 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:										
1959.....	2	-	1	-	4	-	-	-	7	-
1960.....	-	-	-	-	7	1	-	-	7	1
1961.....	-	-	-	-	3	-	-	-	3	-
1962.....	-	-	-	-	2	-	-	-	2	-
1963.....	-	-	1	-	3	2	-	-	4	2
Protected by automatic signals:										
1959.....	-	1	2	-	39	10	6	11	47	22
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
Protected by watchmen:										
1959.....	-	-	-	-	9	3	-	-	9	3
1960.....	-	-	-	-	5	-	-	-	5	-
1961.....	-	-	-	-	8	4	1	-	9	4
1962.....	-	-	-	-	7	1	-	-	7	1
1963.....	-	-	1	-	13	-	-	-	14	-
Total at protected crossings:										
1959.....	2	1	3	-	52	13	6	11	63	25
1960.....	7	-	5	-	73	5	8	-	93	5
1961.....	2	2	3	2	74	22	2	-	81	26
1962.....	-	3	-	-	59	20	-	-	59	23
1963.....	3	-	3	-	79	42	2	-	87	42
Unprotected:										
1959.....	5	30	2	1	149	149	43	19	199	199
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
Grand totals:										
1959.....	7	31	5	1	201	162	49	30	262	224
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	176	227
1963.....	4	5	5	-	221	216	4	-	234	221

TABLE 29. Highway Crossing at December 31, 1959 - 63

No.		Protected by												
		Gates		Bridges		Subways		Automatic signals		Watchmen				
		Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	
number														
Newfoundland:														
1	1959	—	—	1	3	—	1	3	2	—	—	—	—	
2	1960	—	—	1	5	—	1	3	2	—	—	—	—	
3	1961	—	—	1	5	1	1	4	3	—	—	—	—	
4	1962	—	—	—	6	1	1	3	7	—	—	—	—	
5	1963	—	—	1	8	1	1	3	7	—	—	—	—	
Prince Edward Island:														
6	1959	—	—	1	—	—	5	5	12	1	—	—	—	
7	1960	—	—	1	—	—	5	5	14	1	—	—	—	
8	1961	—	—	1	—	—	5	5	14	1	—	—	—	
9	1962	—	—	1	—	—	5	5	18	1	—	—	—	
10	1963	—	—	1	—	—	5	7	21	1	—	—	—	
Nova Scotia:														
11	1959	6	2	21	15	10	31	56	113	5	—	—	—	
12	1960	6	2	21	17	10	31	58	152	5	—	—	—	
13	1961	4	2	21	20	12	32	61	180	5	—	—	—	
14	1962	4	2	21	20	12	32	62	196	5	—	—	—	
15	1963	3	2	23	20	12	32	69	208	5	1	—	—	
New Brunswick:														
16	1959	8	—	11	33	13	33	47	116	—	—	—	—	
17	1960	8	1	11	34	14	33	46	128	—	—	—	—	
18	1961	8	1	10	34	13	35	40	134	—	—	—	—	
19	1962	8	1	10	34	13	35	41	144	—	—	—	—	
20	1963	7	1	10	35	13	35	46	150	—	—	—	—	
Quebec:														
21	1959	59	4	43	51	164	82	197	262	2	1	—	—	
22	1960	63	5	51	53	170	79	225	303	1	1	—	—	
23	1961	61	14	59	54	160	78	232	350	1	1	—	—	
24	1962	61	16	61	51	184	75	246	393	1	—	—	—	
25	1963	57	18	62	55	185	78	272	422	1	—	—	—	
Ontario:														
26	1959	107	31	183	250	305	189	516	518	24	3	—	—	
27	1960	114	41	196	235	311	186	560	544	21	—	—	—	
28	1961	145	74	209	250	334	189	588	569	12	—	—	—	
29	1962	142	85	222	246	337	196	622	603	12	—	—	—	
30	1963	157	98	230	246	331	195	614	640	12	1	—	—	
Manitoba:														
31	1959	19	4	4	8	30	13	38	16	3	—	—	—	
32	1960	19	5	4	8	31	9	43	25	3	—	—	8	
33	1961	22	6	5	13	31	7	47	34	3	—	—	—	
34	1962	26	8	5	12	32	9	44	58	3	—	—	—	
35	1963	30	15	9	11	40	11	68	78	4	—	—	—	
Saskatchewan:														
36	1959	3	2	6	22	21	42	31	29	—	—	—	—	
37	1960	5	2	7	23	21	43	44	41	—	—	—	—	
38	1961	11	12	7	21	22	43	44	34	—	—	—	—	
39	1962	5	2	7	23	21	41	61	55	—	1	—	—	
40	1963	2	3	8	21	20	40	67	60	—	1	—	—	
Alberta:														
41	1959	15	—	9	31	29	50	37	70	—	—	—	—	
42	1960	16	—	10	33	30	53	44	89	—	—	—	—	
43	1961	17	1	9	34	32	52	54	111	—	—	—	—	
44	1962	16	1	10	43	36	49	63	125	—	—	—	—	
45	1963	16	1	10	43	35	47	85	132	—	—	—	—	
British Columbia:														
46	1959	6	9	23	66	8	48	36	37	4	—	—	—	
47	1960	7	9	27	68	12	62	37	54	4	—	—	—	
48	1961	10	11	36	67	12	63	48	58	4	—	—	—	
49	1962	12	8	40	76	14	83	51	78	3	4	—	—	
50	1963	10	10	62	77	15	85	67	83	2	—	—	—	
Total - Canada:														
51	1959	223	52	302	479	580	494	968	1,175	39	4	—	—	
52	1960	238	65	329	476	599	502	1,065	1,352	35	1	—	—	
53	1961	278	121	358	498	617	505	1,123	1,487	26	7	—	—	
54	1962	274	123	377	511	650	506	1,198	1,677	25	6	—	—	
55	1963	282	148	416	516	852	509	1,298	1,801	25	3	—	—	
United States:														
56	1959	2	1	3	7	9	11	8	20	5	1	—	—	
57	1960	2	1	3	7	9	11	8	21	5	1	—	—	
58	1961	2	1	3	7	9	11	8	23	6	1	—	—	
59	1962	2	1	3	7	9	11	8	23	6	1	—	—	
60	1963	2	1	3	7	9	11	11	20	6	1	—	—	

TABLE 29. Highway Crossings at December 31, 1959 - 63

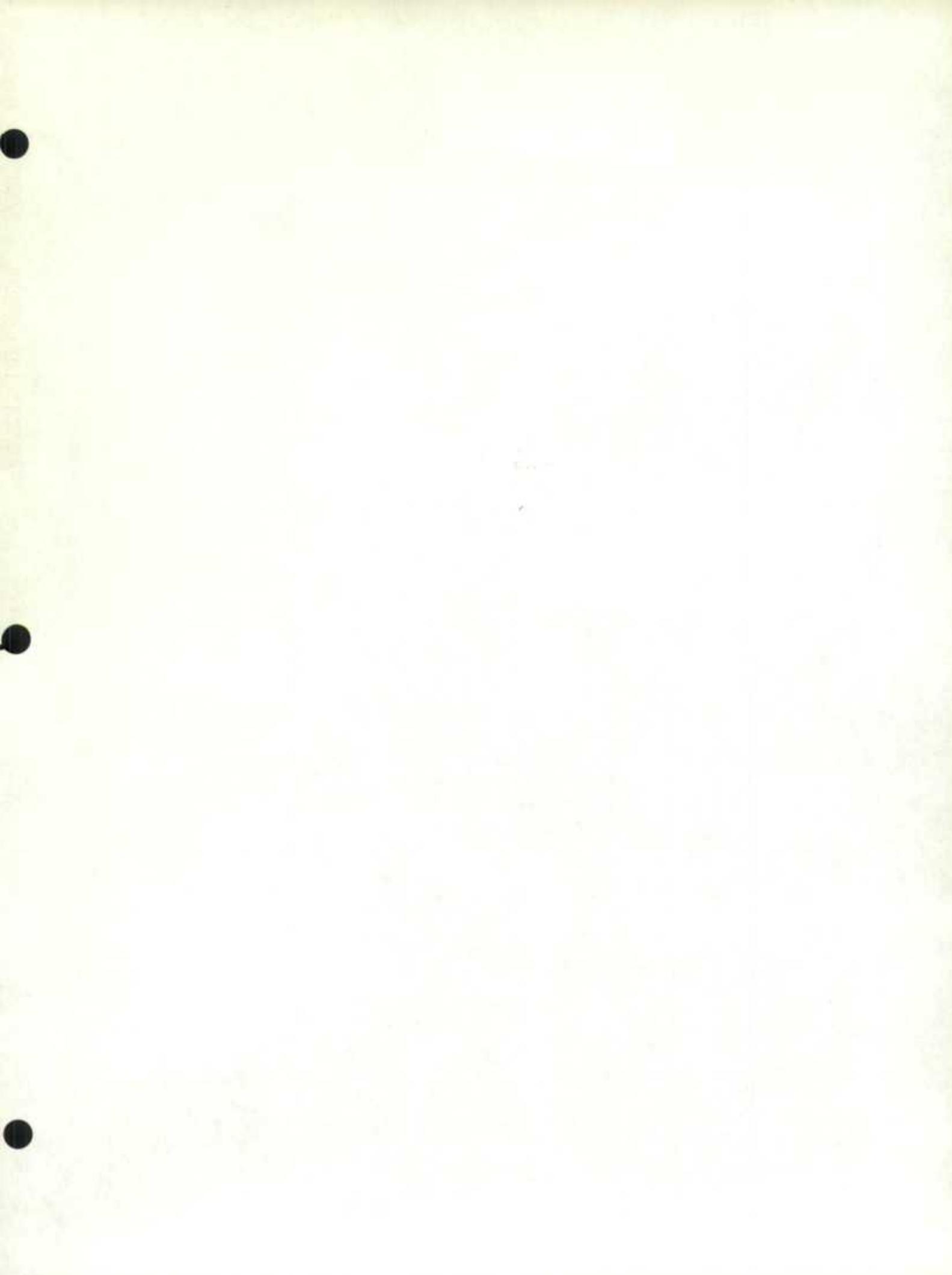
Total protected			Unprotected			Grand total			No.
Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	
number									
4	6	10	66	221	287	70	227	297	1
4	8	12	66	221	287	70	229	299	2
6	9	15	87	220	287	73	229	302	3
4	14	18	63	217	280	67	231	298	4
5	16	21	62	218	280	67	234	301	5
7	17	24	39	214	253	46	231	277	6
7	19	26	39	212	251	46	231	277	7
7	19	26	39	206	245	46	225	271	8
7	23	30	39	202	241	46	225	271	9
9	26	35	37	199	236	46	225	271	10
98	161	259	211	586	797	309	747	1,056	11
100	202	302	210	548	758	310	750	1,060	12
103	234	337	212	563	775	315	797	1,112	13
104	250	354	212	505	717	316	755	1,071	14
112	263	375	207	494	701	319	757	1,076	15
79	182	261	141	646	787	220	828	1,048	16
79	196	275	141	623	764	220	819	1,039	17
71	204	275	139	562	701	210	766	976	18
72	214	286	139	555	694	211	789	980	19
76	221	297	135	551	686	211	772	983	20
465	400	865	569	1,919	2,488	1,034	2,319	3,353	21
510	441	951	599	1,858	2,457	1,109	2,299	3,408	22
513	497	1,010	650	1,742	2,392	1,163	2,239	3,402	23
553	536	1,089	665	1,674	2,339	1,218	2,210	3,428	24
577	573	1,150	660	1,645	2,305	1,237	2,218	3,455	25
1,135	991	2,126	1,753	4,839	6,592	2,888	5,830	8,718	26
1,202	1,006	2,206	1,766	4,656	6,422	2,968	5,662	8,630	27
1,288	1,082	2,370	1,804	4,268	6,072	3,092	5,350	8,442	28
1,335	1,130	2,465	1,890	4,309	6,199	3,225	5,439	8,664	29
1,344	1,180	2,524	1,880	4,157	6,037	3,224	5,337	8,561	30
94	41	135	574	3,731	4,305	668	3,772	4,440	31
100	47	147	571	3,757	4,328	671	3,804	4,475	32
108	66	174	552	3,644	4,196	660	3,710	4,370	33
110	87	197	524	3,587	4,111	634	3,674	4,308	34
151	115	266	626	3,447	4,073	777	3,562	4,339	35
61	95	156	428	7,563	7,991	489	7,658	8,147	36
77	109	186	414	7,464	7,878	491	7,573	8,064	37
84	110	194	409	7,436	7,845	493	7,546	8,039	38
94	122	216	396	7,425	7,821	490	7,547	8,037	39
97	125	222	401	7,451	7,852	498	7,576	8,074	40
90	151	241	392	3,934	4,326	482	4,085	4,567	41
100	175	275	386	4,014	4,400	486	4,189	4,675	42
112	198	310	384	3,904	4,288	496	4,102	4,598	43
125	218	343	404	3,845	4,429	529	4,063	4,592	44
146	223	369	366	3,765	4,131	512	3,988	4,500	45
77	160	237	337	816	1,153	414	976	1,390	46
87	193	280	389	924	1,293	456	1,117	1,573	47
110	199	309	396	932	1,328	506	1,131	1,637	48
120	229	349	411	864	1,275	531	1,093	1,624	49
156	235	391	683	859	1,542	839	1,094	1,933	50
2,110	2,204	4,314	4,510	24,469	28,979	6,620	26,673	33,293	51
2,266	2,396	4,662	4,561	24,277	28,838	6,827	26,673	33,500	52
2,402	2,618	5,020	4,652	23,477	28,129	7,054	26,095	33,149	53
2,524	2,823	5,347	4,743	23,183	27,926	7,267	26,006	33,273	54
2,673	2,977	5,630	5,057	22,786	27,843	7,730	25,763	33,493	55
27	40	67	26	102	128	53	142	195	56
27	41	68	26	101	127	53	142	195	57
28	43	71	24	101	125	52	144	196	58
28	43	71	24	99	123	52	142	194	59
31	40	71	21	102	123	52	142	194	60

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