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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

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SUMMARY

of

OPERATING REVENUES EXPENSES & STATISTICS

of

RAILWAYS

With Annual Operating Revenues of \$500,000

For Year Ended

DECEMBER 31, 1926

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Published by authority of the Hon. James Malcolm, M. P.,  
Minister of Trade and Commerce

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OTTAWA

1927



DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS  
TRANSPORTATION BRANCH  
OTTAWA

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Dominion Statistician, R.H. Coats, B.A., F.S.S., F.R.S.C.  
Chief, Transportation Branch, G.S. Wrong, B.Sc.

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OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

FOR THE YEAR ENDED DECEMBER 31, 1926

The railways carried more freight during 1926 than in any other year and their revenues from freight service also were the largest earned. Passenger traffic was heavier than in 1925 and passenger revenues were larger by \$2,663,010, or 3.4 per cent, but they were below those of 1923. Gross revenues were above those of 1925 by \$57,642,382 and were exceeded only by those of 1920. Net operating revenues were by far the largest yet earned by the railways, exceeding those of 1925 by \$20,203,139. Operating expenses increased during the year by \$17,439,242, nearly three-quarters of the increase being in maintenance expenses.

Freight traffic increased by over 2 billion revenue ton miles, or 6.8 per cent. The big increase in tonnage was in coal, anthracite increasing by 899,610 tons and bituminous and lignite by 5,209,647 tons. Clay, gravel, sand and crushed stone increased by 1,300,596 tons indicating extensive building and highway work, especially in Alberta, Saskatchewan, Ontario, Quebec and New Brunswick. Wheat tonnage increased by 432,429 tons, but oats declined by 328,309 tons, the total for agricultural products being 795,049 tons heavier than in 1925. Mine products increased by 6,815,401 tons, forest products by 1,232,659 tons, and manufactures and miscellaneous by 2,029,605 tons. The largest increases in the last were 155,680 tons in refined petroleum and its products, 237,765 tons in bar, sheet and structural iron, 232,356 tons in automobiles and 176,479 tons in paper.

Passenger traffic was only slightly heavier than in 1925, the number of passengers being practically unchanged, but the average journey increased by 2 miles increasing the passenger miles and, with a slightly higher average receipt per mile, increasing the passenger revenues by \$2,663,010, or 3.4 per cent.

There was a decrease in the average number of employees of **6,442** or 4.1 per cent but the total pay roll was increased by \$12,389,622, or 5.4 per cent.

There was very little change in the average loading of freight trains, but the average revenue increased 14 cents per train mile, due to a greater percentage of high class freight giving a small increase in the average receipts per ton mile. Passenger train revenues increased by only 5 cents per train mile.

CANADIAN NATIONAL RAILWAYS: 1926 was by far the best year the system has had. Gross revenues were larger than for 1925 by \$17,328,931, or 8.3 per cent and were also larger than for 1923. Operating expenses were heavier than in 1925 by \$5,800,069, or 3.1 per cent, but were only slightly greater than in 1924 and were less than in 1923 by \$13,620,193. The net revenue amounted to \$35,574,581, or over three times what it was for 1924 and 1923 and nearly one and a half times the net revenue for 1925. The



freight traffic was the heaviest handled and passenger traffic was also the heaviest since the amalgamation although passenger revenues were slightly lighter than in 1923.

Maintenance of way and structures expenses were heavier than in 1925 by \$3,683,627, or 9.7 per cent and were heavier than in 1924 and 1923. Also maintenance of equipment increased by \$1,550,379, or 3.7 per cent during the year but was lighter than for 1923. Transportation expenses were only \$312,287, or a third of one per cent heavier than in 1925 despite an increase in freight traffic of 3.6 per cent, in passenger traffic of 4.5 per cent and in total train miles of 6 per cent. They were, however, over \$3,000,000 under those of 1924 and over \$12,000,000 less than for 1923.

Freight trains showed heavier loading by 27.2 gross tons, but only 2.4 tons of this increase was in revenue freight and 8.8 tons in non-revenue freight, the remaining 16 tons being tare, or in the increased weight of cars due in part to lighter loading of cars.

There was very little change in passenger train revenue or in the average number of passengers per train mile or cars per train. The average length of journey increased 3 miles, or 5 per cent.

The lines in the United States all showed increases in gross revenues which were the largest since the amalgamation. Operating expenses were higher than in 1925 on the Duluth, Winnipeg and Pacific and the Grand Trunk Western Lines, but the New England Lines showed a reduction and for the first time in the past four years more than earned operating expenses by \$176,225. The net operating revenues of the three railways amounted to \$11,108,611 bringing the total for the system to \$46,483,192 or an increase over 1925 net revenue of \$14,216,778.

CANADIAN PACIFIC RAILWAY: Gross revenues aggregating \$197,636,215 were larger than for 1925 by \$15,025,423 and were the largest earned by the railway. Net revenues amounting to \$47,922,817 were also larger than for any preceding year exceeding those of 1925 by \$5,975,084.

The revenue ton miles showed an increase of 5.9 per cent and passenger traffic was also slightly heavier than in 1925.

Operating expenses were heavier than in 1925 by \$9,050,339, or 6.4 per cent. Maintenance of equipment expenses amounting to \$36,895,771 were heavier than for 1925 by \$3,644,717, or 11.0 per cent and maintenance of way and structures were increased by \$2,848,282, or 11.2 per cent.

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## OPERATING REVENUES EXPENSES &amp; STATISTICS

## STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

For the Twelve Months Ended December, 1926

	1926	1925
<b>OPERATING REVENUES</b>		
Freight	\$352,596,700.37	\$320,865,307.11
Passenger	80,109,773.40	77,446,763.22
Mail	7,362,232.82	7,523,950.20
Express	21,464,950.16	19,918,785.45
Other freight train	20,678.67	26,404.25
Other passenger train	7,545,055.99	6,998,508.28
Water line	2,599,092.29	2,649,719.68
All other	16,461,742.98	15,288,446.18
Total Railway Operating Revenues	486,160,246.68	450,517,864.37
<b>OPERATING EXPENSES</b>		
Maint. of way and structures	\$79,584,233.67	\$72,288,870.40
Maint. of equipment	91,245,638.15	85,568,082.20
Traffic	16,125,226.20	15,297,772.74
Transportation	181,735,632.28	178,557,715.12
Miscellaneous operations	5,189,816.39	5,006,759.95
General	11,954,531.63	11,538,752.41
Trans. for investment	Cr. 1,020,793.78	Cr. 882,131.04
Total Railway Operating Expenses	384,615,064.54	367,175,821.76
<b>OPERATING INCOME</b>		
Net operating revenue	\$103,545,182.14	\$83,342,042.61
Railway tax accruals	10,697,540.80	8,895,919.40
Uncollectable revenues	37,603.16	50,269.42
Hire of equipment	Cr. 215,542.38	Cr. 2,542,418.60
Joint facilities rents	Cr. 153,610.54	Cr. 150,843.55
Operating Income	95,179,391.10	77,089,115.94
<b>OPERATING STATISTICS</b>		
Average miles of road operated	39,148.68	38,772.35
No. of tons carried (Rev. Fr.)	118,992,123	108,890,856
No. of tons carried one mile " "	34,050,077,167	31,887,977,323
No. of tons carried one mile (All Fr.)	38,193,747,296	35,465,672,628
Gross ton miles, excl. of Loco. & Tender	86,277,312,728	79,743,104,507
No. of revenue passengers carried	40,274,072	40,307,912
No. of rev. pass. carried one mile	2,962,713,022	2,887,239,955
# Freight train miles	65,112,818	60,751,841
# Passenger train miles	48,019,088	46,968,415
Total train miles (Rev. & Non Rev.)	117,519,877	111,019,344
Freight car miles-loaded	1,523,049,391	1,411,924,731
Freight car miles-empty	759,623,801	712,524,455
Passenger train car miles	352,307,171	340,020,346
Total amount of pay roll	\$240,617,780.38	\$228,228,157.84
Number of employees	149,324	155,766
<b>DAILY AVERAGES PER MILE OF ROAD OPERATED</b>		
Operating revenue	\$34.16	\$31.83
Operating expenses	\$26.92	\$25.95
No. of tons moved one mile (Rev. Fr.)	2,586	2,253
No. of tons moved one mile (All Fr.)	2,673	2,506
No. of rev. pass. carried one mile	207	204
<b># AVERAGES PER FREIGHT TRAIN MILE</b>		
Freight revenue	\$5.42	\$5.28
No. of tons of freight (Rev. Fr.)	522.9	524.9
No. of tons of freight (All Fr.)	586.6	583.8
Gross ton miles	1325.0	1312.6
Loaded freight cars	23.4	23.2
Empty freight cars	11.7	11.7
<b># AVERAGES PER PASSENGER TRAIN MILE</b>		
Passenger train revenues	\$2.43	\$2.38
Passengers carried	61.7	61.5
Passenger cars	7.5	7.2
Average operating expenses per train mile	\$3.27	\$3.31
Average length of haul (Rev. Fr.) Miles	286.2	292.8
Average passenger journey Miles	73.6	71.6
Average tons per loaded freight car mile	25.1	25.1
Av. freight receipt per rev. ton mile	1.056¢	1.003¢
Av. passenger receipt per pass. per mile	2.704¢	2.682¢
Ratio of pay roll to operating revenues	49.3%	50.7%
Ratio of operating expenses to revenues	78.79%	81.50%

# Contains a proportion of mixed train miles.



Subject to Revision

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For Twelve Months Ended December 31, 1926

	1926	1925
<u>OPERATING REVENUES</u>		
Freight	\$165,766,865.65	\$150,585,969.73
Passenger	34,623,266.05	33,363,678.17
Mail	3,152,274.55	3,163,785.16
Express	13,062,353.12	12,580,619.57
Other freight train	—	—
Other passenger train	3,022,132.81	2,871,842.63
Water line	—	—
All other	5,849,959.98	5,653,025.56
Total Railway Operating Revenues	225,547,852.16	208,218,920.82
<u>OPERATING EXPENSES</u>		
Maint. of way and structures	\$41,497,475.76	\$37,813,848.51
Maint. of equipment	43,027,926.02	41,497,546.21
Traffic	5,993,842.51	5,925,685.92
Transportation	92,294,667.39	91,982,380.25
Miscellaneous operations	2,038,954.50	1,996,172.43
General	6,312,753.31	6,014,421.48
Trans. for investment	Cr. 992,348.49	Cr. 856,853.36
Total Railway Operating Expenses	190,173,271.00	184,373,201.44
<u>OPERATING INCOME</u>		
Net operating revenue	\$35,374,581.16	\$23,845,719.38
Railway tax accruals	3,474,286.93	2,893,424.36
Uncollectable revenues	35,948.39	50,967.44
Hire of equipment	Cr. 842,629.85	Cr. 2,594,018.11
Joint facilities rents	Cr. 396,080.42	Cr. 459,886.07
Operating Income	33,103,056.11	23,955,291.76
<u>OPERATING STATISTICS</u>		
Average miles of road operated	20,796.10	20,596.21
No. of tons carried (Rev. Fr.)	48,164,331	43,911,107
No. of tons carried one mile " "	16,629,018.817	15,593,387.347
No. of tons carried one " (All Fr.)	18,611,295.151	17,272,726.300
Gross ton miles, excl. of loco & Tender	41,582,276.745	38,377,617.180
No. of revenue pass. carried	20,589,208	20,654,606
No. of revenue pass. carried 1 mile	1,323,525.253	1,272,042.814
# Freight train miles	30,827,561	29,036,414
# Passenger train miles	22,284,215	21,398,455
Total train miles (Rev. & Non Rev.)	55,545,045	52,419,240
Freight car miles-loaded	738,007,852	680,302,474
Freight car miles-empty	368,390,464	347,229,798
Passenger train car miles	158,300,599	153,886,769
Total amount of pay-roll	\$129,571,848	\$123,119,869
Number of employees	88,849	84,926
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$29.71	\$27.70
Operating expenses	\$25.05	\$24.53
No. of tons moved one mile (Rev. Fr.)	2,191	2,074
No. of tons moved one mile (All Fr.)	2,452	2,298
No. of rev. pass. carried one mile	175	169
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.38	\$5.19
No. of tons of freight (Rev. Fr.)	539.4	537.0
No. of tons of freight (All Fr.)	603.7	594.9
Gross ton miles	1348.9	1321.7
Loaded freight cars	23.9	23.4
Empty freight cars	12.0	12.0
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.42	\$2.43
Passengers carried	59.7	59.4
Passenger cars	7.1	7.2
Average operating expenses per train mile	\$3.42	\$3.52
Average length of haul (Rev. Fr.) Miles	345.3	355.1
Average Passenger journey Miles	64.6	61.6
Average tons per loaded freight car mile	25.2	25.4
Av. Fr. receipt per rev. ton mile	.997¢	.966¢
Av. passenger receipt per pass. per mile	2.609¢	2.623¢
Ratio of pay roll to operating revenues	57.4%	59.1%
Ratio of operating expenses to revenues	84.32%	88.55%

# contains a proportion of mixed train miles.

Subject to revision

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OPERATING REVENUES, EXPENSES & STATISTICS  
CANADIAN PACIFIC RAILWAY

For the year ended Dec. 31, 1926

	1926	1925
<u>OPERATING REVENUES</u>		
Freight	\$139,602,333.05	\$126,752,441.55
Passenger	33,974,589.00	32,937,871.47
Mail	3,589,899.80	3,536,216.06
Express	5,693,216.42	5,579,870.28
Other freight train	8,904.26	24,528.34
Other passenger train	4,127,093.39	3,867,614.96
Water line	2,116,839.16	2,184,032.08
All other	8,523,340.33	7,728,217.24
Total Railway Operating Revenues	197,636,215.41	182,610,791.98
<u>OPERATING EXPENSES</u>		
Maint. of way and structures	\$28,322,186.64	\$25,473,903.69
Maint. of equipment	36,895,771.05	33,251,054.05
Traffic	9,088,420.29	8,477,102.58
Transportation	69,472,045.26	67,661,133.74
Miscellaneous operations	2,538,418.96	2,438,183.15
General	3,396,555.87	3,361,681.68
Trans. for investment	--	--
Total Railway Operating Expenses	149,713,398.07	140,663,058.89
<u>OPERATING INCOME</u>		
Net operating revenue	\$17,922,817.34	\$41,947,733.09
Railway tax accruals	5,722,082.54	4,828,843.91
Uncollectable revenues	--	--
Hire of equipment	Cr. 2,368,388.03	Cr. 2,784,283.61
Joint facilities rents	Cr. 376,004.05	Cr. 251,603.07
Operating Income	44,945,126.88	40,154,775.86
<u>OPERATING STATISTICS</u>		
Average miles of road operated	13,863.0	13,678.3
No. of tons carried (Rev.Fr.)	34,336,191	34,589,533
No. of tons carried one mile " "	13,842,580,786	13,067,430,516
No. of tons carried one mile (All Fr.)	15,901,484,316	14,876,934,763
Gross ton miles, excl. of Loco. & Tender	34,275,868,405	32,240,707,035
No. of revenue pass. carried	13,505,863	13,581,691
No. of rev. pass. carried one mile	1,254,450,356	1,249,985,831
# Freight train miles	26,539,049	24,801,421
# Passenger train miles	19,665,999	19,663,402
Total train miles (Rev. & Non Rev.)	47,227,625	45,381,577
Freight car miles-loaded	594,282,933	558,572,048
Freight car miles-empty	285,099,095	272,966,418
Passenger train car miles	147,914,198	144,334,658
Total amount of pay-roll	\$90,742,690.54	\$85,259,672.81
Number of employees	60,215	57,825
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$39.06	\$36.58
Operating expenses	\$29.59	\$28.17
No. of tons moved one mile (Rev.Fr.)	2,736	2,617
No. of tons moved one mile (All Fr.)	3,143	2,980
No. of rev. pass. carried one mile	248	250
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.26	\$5.11
No. of tons of freight (Rev.Fr.)	521.6	526.9
No. of tons of freight (All Fr.)	599.2	599.8
Gross ton miles	1291.6	1400.0
Loaded freight cars	22.4	22.5
Empty freight cars	10.7	11.0
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.41	\$2.34
Passengers carried	63.8	63.6
Passenger cars	7.5	7.3
Average operating expenses per train mile	\$3.17	\$3.10
Average length of haul (Rev.Fr.) Miles	403.1	377.8
Average passenger journey Miles	92.9	92.0
Average tons per loaded freight car mile	26.8	26.6
Av. fr. receipt per rev. ton mile	1.008¢	.970¢
Av. passenger receipt per pass. per mile	2.708¢	2.635¢
Ratio of pay roll to operating revenues	45.7%	46.7%
Ratio of operating expenses to revenues	75.75%	77.03%

# Contains a proportion of mixed train miles.







CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada &amp; United States)

For Twelve Months Ended December 1926 - 1925OPERATING REVENUES

	<u>1926</u>	<u>1925</u>
Canadian Lines	\$225,547,852.16	\$208,218,220.82
Duluth, Winnipeg and Pacific	2,418,181.30	2,251,162.63
Grand Trunk Western Lines	35,477,487.18	31,847,354.55
New England Lines	<u>2,744,304.90</u>	<u>2,653,164.55</u>
Total	266,187,825.54	244,971,202.61

OPERATING EXPENSES

Canadian Lines	\$190,173,271.00	\$184,373,201.44
Duluth, Winnipeg and Pacific	2,254,368.30	1,887,199.37
Grand Trunk Western Lines	34,668,913.32	23,758,407.35
New England Lines	<u>2,608,079.77</u>	<u>2,687,979.66</u>
Total	219,704,632.39	212,706,787.82

NET OPERATING REVENUES

Canadian Lines	\$35,374,581.16	\$23,845,719.38
Duluth, Winnipeg and Pacific	163,812.40	363,963.32
Grand Trunk Western Lines	10,808,573.06	8,089,547.20
New England Lines	<u>136,225.13</u>	Dr. <u>34,815.11</u>
Total	46,483,192.55	32,264,414.73

OPERATING INCOME

Canadian Lines	\$33,103,056.11	\$23,955,291.76
Duluth, Winnipeg and Pacific	108,534.18	268,542.97
Grand Trunk Western Lines	5,763,339.19	3,622,114.41
New England Lines	Dr. <u>752,752.34</u>	Dr. <u>900,417.32</u>
Total	38,222,177.14	26,945,531.75



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