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CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
TRANSPORTATION BRANCH

SUMMARY  
of  
OPERATING REVENUES EXPENSES & STATISTICS  
of  
RAILWAYS

With Annual Operating Revenues of \$500,000

For Year Ended  
DECEMBER 31, 1930

Published by Authority of the Hon. H. H. Stevens, M.P.,  
Minister of Trade and Commerce

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OTTAWA

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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
TRANSPORTATION AND PUBLIC UTILITIES BRANCH  
OTTAWA

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Dominion Statistician, R.H. Coats, B.A., F.S.S., (Hon.), F.R.S.C.  
Chief, Transportation & Public Utilities 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 TWELVE MONTHS ENDED DECEMBER 31, 1930

The past year was by far the worst year the railways have experienced for some time. Freight traffic, as measured by ton miles, was the lightest in the last nine years and passenger traffic, as measured in passenger miles, was lighter than for any year since 1909 despite increases in railway mileage and population.

Gross revenues amounted to \$450,398,153 which was \$78,753,980, or 14.9 per cent, less than for 1929 and, with operating expenses of \$377,530,312, or \$51,693,815 less, net revenues amounted to \$72,867,841 as against \$99,928,006 in 1929. The total pay roll amounted to \$256,445,084 which was a reduction of \$21,760,047, or 7.8 per cent, for a reduction in the average number of employees of 13,398, or 7.6 per cent.

Freight train loading was lighter than in 1929 by 12.6 revenue tons and average revenue decreased by 19 cents per train mile. The average number of passengers per train was 47.7 as against 56.1 in 1929 and passenger train revenue decreased 31 cents per train mile and, at \$2.03, was the lowest since 1919.

EASTERN LINES - CANADIAN NATIONAL RAILWAYS: The operating income for the year was a debit of \$5,526,603, including \$2,362,205 received from the Dominion Government to offset reductions in rates under the Maritime Freight Rates Act. Compared with 1929, this was an increase in the deficit of \$1,369,486. Gross revenues amounted to \$28,598,553, or \$2,019,453 less than in 1929, and operating expenses amounted to \$33,028,515. The reduction in freight traffic was 15.0 per cent and in passenger traffic, 10.3 per cent, and, although the average number of passengers per mile of line and per train mile was greater than on the Canadian National, the revenues per passenger train mile were less by 6 cents.

CANADIAN NATIONAL RAILWAYS: Gross revenues amounted to \$184,848,027, or \$32,756,141 less than for 1929 and, with a reduction in operating expenses of \$19,934,962, the net revenues were reduced to \$21,374,485, or \$12,821,478 less than for 1929. The total pay roll amounted to \$139,137,116 (including the Eastern Lines), and the average number of employees was 88,841 which was a decrease from 1929 of 8,609, or 8.8 per cent.

The freight train loading was slightly heavier than in 1929, but the average revenue per train mile decreased by 7 cents and, with lighter passenger traffic, the average number of passengers per train decreased from 52.8 in 1929 to 45.5, and revenues per train mile decreased from \$2.31 to \$2.03.

The lines in the United States also showed large decreases in gross and net revenues, the latter for the four railways being \$5,136,451 as against \$12,622,060 in 1929.



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The operating income for the system (excluding the Eastern Lines), was \$19,505,060 compared with \$37,438,383 in 1929. This was a decrease of \$17,933,323 and, including the Eastern Lines, the decrease was \$19,302,809.

CANADIAN PACIFIC RAILWAY: With a decrease in freight traffic of 17.3 per cent and in passenger traffic of 18.7 per cent, gross revenues amounting to \$130,022,386 were reduced by \$31,613,274, or 14.9 per cent. Operating expenses were reduced by \$25,780,949, the net revenues by \$5,832,324 and the operating income by \$4,895,885, or to \$38,248,658, as against \$43,144,543 in 1929.

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OPERATING REVENUES, EXPENSES & STATISTICS  
STEAM RAILWAYS OF CANADA  
WITH ANNUAL OPERATING REVENUES OF \$500,000  
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 1930

	1930	1929
<u>OPERATING REVENUES</u>		
Freight	\$319,996,804.39	\$381,331,090.28
Passenger	66,117,881.88	79,552,127.06
Mail	7,722,714.09	7,891,783.65
Express	20,395,995.17	23,048,121.80
Other freight train	48,253.06	66,874.53
Other passenger train	7,860,638.44	8,969,839.25
Water line	2,015,012.23	2,546,088.55
All other	26,240,854.62	25,746,209.08
Total railway operating revenues	450,398,153.88	529,152,134.20
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$77,029,318.33	\$92,768,340.38
Maintenance of equipment	81,918,606.04	99,789,432.76
Traffic	18,895,433.62	18,380,641.63
Transportation	182,144,050.38	201,014,368.95
Miscellaneous operations	5,612,381.19	6,262,878.67
General	13,400,046.22	12,874,845.41
Trans. for investment	Cr. 1,469,613.76	Cr. 1,866,380.48
Total railway operating expenses	377,530,312.02	429,224,127.32
<u>OPERATING INCOME</u>		
Net operating revenue	\$72,867,841.86	\$99,928,006.88
Railway tax accruals	9,561,306.44	10,318,682.32
Uncollectable revenues	41,690.69	35,199.21
Hire of equipment	Dr. 1,769,796.42	Dr. 3,535,212.47
Joint facilities rents	Dr. 783,719.87	Dr. 417,082.97
Operating income	60,711,328.44	85,621,829.91
<u>OPERATING STATISTICS</u>		
Average miles of road operated	41,445.96	40,689.97
No. of tons carried (Rev.Fr.)	111,800,736	133,557,752
No. of tons carried one mile " "	29,547,895,089	34,863,191,790
No. of tons carried one mile (All Fr.)	33,200,011,482	39,705,876,988
Gross ton miles, excl. of locomotive & tender	75,707,738,914	89,619,162,557
No. of revenue passengers carried	32,890,334	37,022,880
No. of revenue passengers carried one mile	2,398,743,019	2,868,390,435
# Freight train miles	57,684,933	66,435,480
# Passenger train miles	50,239,225	51,121,674
Total train miles (Rev. & Non Rev.)	110,674,057	122,189,029
Freight car miles- loaded	1,363,799,001	1,619,692,336
Freight car miles- empty	654,646,064	733,099,603
Passenger train car miles	363,915,560	379,243,682
Total amount of pay roll	\$256,445,084.47	\$275,205,132.30
Number of employees	163,549	176,947
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$29.77	\$35.63
Operating expenses	\$24.96	\$28.90
No. of tons moved one mile (Rev.Fr.)	1,953	2,347
No. of tons moved one mile (All Fr.)	2,195	2,673
No. of rev. passengers carried one mile	159	193
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.55	\$5.74
No. of tons of freight (Rev.Fr.)	512.2	524.8
No. of tons of freight (All Fr.)	575.5	597.7
Gross ton miles	1312.4	1349.0
Loaded freight cars	23.6	24.3
Empty freight cars	11.3	11.0
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.03	\$2.34
Passengers carried	47.7	56.1
Passenger cars	7.2	7.4
Average operating expenses per train mile	\$3.41	\$3.51
Average length of haul (Rev.Fr.) Miles	264.3	261.0
Average passenger journey Miles	72.9	77.5
Average tons per loaded freight car mile	24.3	24.5
Average freight receipt per revenue ton mile	1.083¢	1.094¢
Average passenger receipt per passenger per mile	2.756¢	2.773¢
Ratio of pay roll to operating revenues	56.9%	52.6%
Ratio of operating expenses to revenues	83.82%	81.12%

# - Contains a proportion of mixed train miles.





**OPERATING REVENUES, EXPENSES & STATISTICS**  
**EASTERN LINES**  
**CANADIAN NATIONAL RAILWAYS**  
**FOR THE TWELVE MONTHS ENDED DECEMBER 31, 1930**

	1930	1929
<b>OPERATING REVENUES</b>		
Freight xx	\$19,263,791.67	\$20,982,595.27
Passenger	4,702,573.45	5,119,461.71
Mail	822,921.33	824,424.48
Express	1,858,050.88	1,923,085.98
Other freight train	--	34.00
Other passenger train	579,669.52	606,067.54
Water line	--	--
All other	1,371,546.60	1,162,338.24
Total railway operating revenues	28,598,553.45	30,618,007.22
<b>OPERATING EXPENSES</b>		
Maintenance of way and structures	\$8,100,091.11	\$8,208,334.90
Maintenance of equipment	6,170,983.94	6,575,682.36
Traffic	952,686.30	897,769.10
Transportation	15,876,352.60	16,390,607.29
Miscellaneous operations	400,065.58	431,477.77
General	1,600,938.18	1,384,174.82
Trans. for investment	Cr. 72,602.06	Cr. 72,664.03
Total railway operating expenses	33,028,515.65	33,815,382.30
<b>OPERATING INCOME</b>		
Net operating revenue	Dr. \$4,429,962.20	Dr. \$3,197,375.08
Railway tax accruals	299,462.23	284,613.64
Uncollectable revenues	3,056.47	2,161.70
Hire of equipment	Dr. 797,035.07	Dr. 685,080.73
Joint facilities rents	Cr. 2,912.25	Cr. 12,113.54
Operating income	Dr. 5,526,603.72	Dr. 4,157,117.61
<b>OPERATING STATISTICS</b>		
Average miles of road operated	3,335.02	3,163.74
No. of tons carried (Rev.Fr.)	6,613,775	7,224,675
No. of tons carried one mile "	1,717,699,483	2,019,812,433
No. of tons carried one mile (All Fr.)	1,927,188,442	2,243,619,450
Gross ton miles, excl. of locomotive & tender	4,478,295,526	5,010,006,864
No. of revenue passengers carried	3,499,043	3,856,219
No. of revenue passengers carried one mile	202,351,842	225,515,030
# Freight train miles	4,433,295	4,323,844
# Passenger train miles	4,034,208	4,020,801
Total train miles (Rev. & Non Rev.)	8,708,148	9,139,223
Freight car miles- loaded	87,501,523	97,051,390
Freight car miles- empty	28,038,840	30,573,802
Passenger train car miles	27,206,315	27,947,670
Total amount of pay roll	(Included in Canadian Lines)	
Number of employees	" " "	" "
<b>DAILY AVERAGES PER MILE OF ROAD OPERATED</b>		
Operating revenue	\$23.49	\$26.51
Operating expenses	\$27.13	\$29.28
No. of tons moved one mile (Rev.Fr.)	1,411	1,749
No. of tons moved one mile (All Fr.)	1,583	1,943
No. of rev. passengers carried one mile	166	195
<b>#AVERAGES PER FREIGHT TRAIN MILE</b>		
Freight revenue	\$4.35	\$4.35
No. of tons of freight (Rev.Fr.)	387.5	418.7
No. of tons of freight (All Fr.)	434.7	465.1
Gross ton miles	1010.2	1038.6
Loaded freight cars	19.7	20.1
Empty freight cars	6.3	6.3
<b>#AVERAGES PER PASSENGER TRAIN MILE</b>		
Passenger train revenues	\$1.97	\$ 2.11
Passengers carried	50.2	56.1
Passenger cars	6.7	7.0
Average operating expenses per train mile	\$3.79	\$ 3.70
Average length of haul (Rev.Fr.) Miles	259.7	279.6
Average passenger journey Miles	57.8	58.5
Average tons per loaded freight car mile	22.0	23.1
Average freight receipt per revenue ton mile	1.121¢	1.039¢
Average passenger receipt per passenger per mile	2.324¢	2.270¢
Ratio of operating expenses to revenues	115.49%	110.44%
xx - Including account Maritime Freight Rates Act	\$2,362,205.10	\$2,438,074.82
# - Contains a proportion of mixed train miles.		





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OPERATING REVENUES, EXPENSES & STATISTICS  
CANADIAN NATIONAL RAILWAYS  
 FOR THE TWELVE MONTHS ENDED DECEMBER 31, 1930

	1930	1929
<u>OPERATING REVENUES</u>		
Freight	\$133,007,346.34	\$157,232,769.03
Passenger	24,389,725.60	29,118,431.55
Mail	2,524,165.71	2,579,283.02
Express	10,924,563.01	12,659,553.64
Other freight train	6,755.09	23,875.61
Other passenger train	2,789,372.88	3,067,165.34
Water line	-	-
All other	11,206,098.92	12,873,390.62
Total railway operating revenues	184,848,027.55	217,604,468.81
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$33,842,135.20	\$40,634,894.29
Maintenance of equipment	36,173,299.18	41,427,630.33
Traffic	6,602,658.49	6,425,903.70
Transportation	80,250,461.27	89,034,715.77
Miscellaneous operations	1,903,041.49	2,074,651.76
General	5,959,584.96	5,545,458.05
Trans. for investment	Cr. 1,267,638.79	Cr. 1,734,799.54
Total railway operating expenses	163,473,541.80	183,408,504.36
<u>OPERATING INCOME</u>		
Net operating revenue	\$21,374,485.75	\$34,195,964.45
Railway tax accruals	3,630,857.11	3,362,461.72
Uncollectable revenues	37,648.30	32,504.66
Hire of equipment	Cr. 1,193,564.35	Dr. 334,007.10
Joint facilities rents	Cr. 154,435.73	Cr. 274,845.15
Operating income	19,053,980.42	30,741,836.12
<u>OPERATING STATISTICS</u>		
Average miles of road operated	18,483.96	18,124.16
No. of tons carried (Rev.Fr.)	40,453,530	48,113,990
No. of tons carried one mile " "	12,652,668,344	14,620,471,248
No. of tons carried one mile (All Fr.)	14,268,829,542	16,837,646,265
Gross ton miles, excl. of locomotive & tender	32,522,099,912	37,787,043,596
No. of revenue passengers carried	13,288,879	14,938,227
No. of revenue passengers carried one mile	912,754,754	1,082,223,259
# Freight train miles	22,590,450	26,393,841
# Passenger train miles	20,047,413	20,498,833
Total train miles (Rev. & Non Rev.)	43,948,789	49,510,042
Freight car miles- loaded	576,590,088	684,906,720
Freight car miles- empty	275,876,140	303,481,131
Passenger train car miles	140,009,501	146,660,727
Total amount of pay roll (Including Eastern Lines)	\$139,137,116	\$152,509,051
Number of employees " " "	88,841	97,450
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$27.40	\$32.89
Operating expenses	\$24.23	\$27.72
No. of tons moved one mile (Rev.Fr.)	1,875	2,210
No. of tons moved one mile (All Fr.)	2,115	2,545
No. of rev. passengers carried one mile	135	164
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.89	\$5.96
No. of tons of freight (Rev.Fr.)	560.1	553.8
No. of tons of freight (All Fr.)	631.6	637.8
Gross ton miles	1439.6	1431.4
Loaded freight cars	25.5	25.9
Empty freight cars	12.2	11.5
<u>AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.03	\$2.31
Passengers carried	45.5	52.8
Passenger cars	7.0	7.2
Average operating expenses per train mile	\$3.72	\$3.70
Average length of haul (Rev.Fr.) Miles	312.8	303.9
Average passenger journey Miles	68.7	72.4
Average tons per loaded freight car mile	24.7	24.6
Average freight receipt per revenue ton mile	1.051¢	1.076¢
Average passenger receipt per passenger per mile	2.672¢	2.691¢
xRatio of pay roll to operating revenues	65.2%	61.4%
Ratio of operating expenses to revenues	88.44%	84.29%

x - Revenue of Eastern Lines included to determine ratio.

# - Contains a proportion of mixed train miles.



1. *Chrysomelidae* (Coleoptera) (1875)

OPERATING REVENUES, EXPENSES & STATISTICS  
CANADIAN PACIFIC RAILWAY  
 FOR THE TWELVE MONTHS ENDED DECEMBER 31, 1930

	1930	1929
<u>OPERATING REVENUES</u>		
Freight	\$125,594,789.58	\$151,600,970.55
Passenger	27,712,095.30	34,096,295.26
Mail	3,673,116.74	3,720,710.62
Express	5,465,184.04	5,766,621.96
Other freight train	36,701.32	22,984.93
Other passenger train	4,160,594.19	4,838,540.46
Water line	1,787,545.14	2,247,893.27
All other	11,592,360.33	9,741,643.92
Total railway operating revenues	180,022,386.64	211,635,660.97
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$25,043,281.94	\$33,325,104.12
Maintenance of equipment	30,022,641.18	40,007,939.22
Traffic	10,149,656.22	9,922,261.84
Transportation	66,991,236.69	74,308,319.94
Miscellaneous operations	2,595,401.71	2,991,795.80
General	3,721,439.34	3,749,185.64
Trans. for investment	Cr. --	--
Total railway operating expenses	138,523,657.08	164,304,606.56
<u>OPERATING INCOME</u>		
Net operating revenue	\$41,498,729.56	\$47,331,051.41
Railway tax accruals	4,128,488.89	5,089,081.53
Uncollectable revenues	--	--
Wear of equipment	Cr. 1,048,327.64	Cr. 809,238.62
Joint facilities rents	Dr. 169,909.83	Cr. 93,332.30
Operating income	38,248,658.48	43,144,543.80
<u>OPERATING STATISTICS</u>		
Average miles of road operated	14,889.07	14,563.40
No. of tons carried (Rev.Fr.)	31,486,588	38,221,961
No. of tons carried one mile " "	12,050,991,739	14,565,275,970
No. of tons carried one mile (All Fr.)	13,774,390,508	16,791,609,501
Gross ton miles, excl. of locomotive & tender	30,802,590,555	35,888,472,624
No. of revenue passengers carried	11,177,113	12,639,633
No. of revenue passengers carried one mile	976,497,867	1,200,405,367
# Freight train miles	23,379,420	26,881,543
# Passenger train miles	20,316,347	20,550,919
Total train miles (Rev. & Non Rev.)	44,592,869	48,824,790
Freight car miles-loaded	531,252,147	534,834,020
Freight car miles-empty	246,159,189	278,704,015
Passenger train car miles	150,846,614	156,476,498
Total amount of pay roll	\$96,140,289.02	\$102,871,943.59
Number of employees	61,607	65,505
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$33.13	\$39.81
Operating expenses	\$25.49	\$30.91
No. of tons moved one mile (Rev.Fr.)	2,217	2,740
No. of tons moved one mile (All Fr.)	2,535	3,159
No. of revenue passengers carried one mile	180	226
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.37	\$5.64
No. of tons of freight (Rev.Fr.)	515.5	541.8
No. of tons of freight (All Fr.)	589.2	624.7
Gross ton miles	1317.5	1335.1
Loaded freight cars	22.7	23.6
Empty freight cars	10.5	10.4
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.02	\$2.36
Passengers carried	48.1	58.4
Passenger cars	7.4	7.6
Average operating expenses per train mile	\$3.11	\$3.37
Average length of haul (Rev.Fr.) Miles	382.7	381.1
Average passenger journey Miles	87.4	95.0
Average tons per loaded freight car mile	25.9	26.5
Average freight receipt per revenue ton mile	1.042¢	1.041¢
Average passenger receipt per passenger per mile	2.838¢	2.840¢
Ratio of pay roll to operating revenues	53.4%	48.6%
Ratio of operating expenses to revenues	76.95%	77.64%

# - Contains a proportion of mixed train miles.





CANADIAN NATIONAL SYSTEM  
(Steam Lines in Canada & United States)

For the Twelve Months ended December 31, 1930

OPERATING REVENUES

	<u>1930</u>	<u>1929</u>
Canadian Lines	\$184,848,027.55	\$217,604,468.81
Duluth, Winnipeg & Pacific	1,753,392.00	2,484,113.48
Grand Trunk Western	26,243,106.00	37,419,474.65
New England Lines	1,937,584.35	2,370,915.79
Central Vermont Railway Inc.	<u>6,988,335.00</u>	<u>8,114,524.49</u>
Total	<u>221,770,444.90</u>	<u>267,893,497.22</u>

OPERATING EXPENSES

Canadian Lines	\$163,473,541.80	\$183,408,504.36
Duluth, Winnipeg & Pacific	1,711,276.63	2,101,731.58
Grand Trunk Western	22,045,868.61	26,724,491.65
New England Lines	2,236,806.57	2,582,164.82
Central Vermont Railway Inc.	<u>5,792,013.69</u>	<u>6,358,579.49</u>
Total	<u>195,259,507.30</u>	<u>221,175,471.90</u>

NET OPERATING REVENUE

Canadian Lines	\$21,374,485.75	\$34,195,964.45
Duluth, Winnipeg & Pacific	42,115.37	382,381.90
Grand Trunk Western	4,197,237.39	10,694,983.00
New England Lines	Dr. 299,222.22	Dr. 211,249.03
Central Vermont Railway Inc.	<u>1,196,321.31</u>	<u>1,755,945.00</u>
Total	<u>26,510,937.60</u>	<u>46,818,025.32</u>

OPERATING INCOME

Canadian Lines	\$19,053,930.42	\$30,741,836.12
Duluth, Winnipeg & Pacific	21,687.74	271,523.65
Grand Trunk Western	294,368.05	5,05,121.89
New England Lines	Dr. 1,055,889.95	Dr. 1,020,001.18
Central Vermont Railway Inc.	<u>1,190,914.18</u>	<u>1,539,903.45</u>
Total	<u>19,505,060.44</u>	<u>37,438,383.93</u>



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