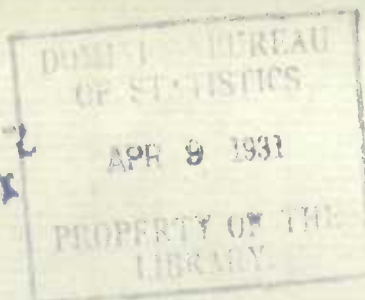


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C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
TRANSPORTATION BRANCH

OPERATING REVENUES EXPENSES & STATISTICS  
of  
RAILWAYS

With Annual Operating Revenues of \$500,000

For  
DECEMBER  
1930

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

+ + +

OTTAWA

1931

DEPARTMENT OF AGRICULTURE

COMMONWEALTH OF MASSACHUSETTS

OFFICE OF THE COMMISSIONER

REPORT OF THE COMMISSIONER

OF THE DEPARTMENT OF AGRICULTURE

FOR THE YEAR 1890-1891

MASSACHUSETTS

1891

PRINTED BY THE STATE PRINTER

1891

MASSACHUSETTS

1891



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

Dominion Statistician, R.H. Coats, B.A., F.S.S., (Hon.), F.R.S.C.  
Chief, Transportation and Public Utilities Branch, G.S. Wrong, B.Sc.

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

FOR THE MONTH OF DECEMBER, 1930

Gross revenues of Canadian railways for December amounted to \$33,449,501 which was less than for December, 1929, by \$6,541,144 and was the smallest earned in December during the past decade. Passenger revenues were particularly light, being 29.9 per cent under those of December, 1929. Operating expenses were reduced by \$5,483,116 and the net revenues amounted to \$5,910,385, or \$1,058,027 less than in 1929.

EASTERN LINES - CANADIAN NATIONAL RAILWAYS: With a decrease in freight traffic of 13.4 per cent and in passenger traffic of 29.8 per cent, gross revenues declined by \$371,999, or 13.7 per cent, and operating expenses were reduced by \$407,283, or 14.1 per cent. Despite the heavy reduction in operating expenses the operating income showed a debit of \$492,247, as against a debit of \$515,407 in 1929.

CANADIAN NATIONAL RAILWAYS: Gross revenues amounted to \$12,854,099, or \$3,816,098 less than in 1929, and operating expenses were reduced by \$2,498,166, or 17.0 per cent, making the net revenues \$672,593 as against \$1,990,524 in 1929. The pay roll amounted to \$10,799,409, or a reduction of \$1,230,414, for a decrease of 5,781 in the number of employees. The average passenger train revenues per train mile amounted to \$1.99, which was 60 cents, or 23 per cent, less than the average for December, 1929.

The lines in the United States all showed smaller gross revenues, but reductions in operating expenses on the Grand Trunk Western lines produced an increase in the net revenues of all United States lines of \$95,796. The net revenues for the system (exclusive of Eastern Lines) amounted to \$817,572, which was a reduction from 1929 of \$1,222,135.

CANADIAN PACIFIC RAILWAY: Gross revenues amounted to \$14,185,394, or \$1,266,767 below revenues of December, 1929, and, with a reduction in operating expenses of \$1,581,124, net revenues were increased by \$314,356. The reduction in the total pay roll was only \$236,602, or 3.3 per cent, and in the number of employees, only 1,129, or 2.1 per cent. The average number of passengers per train decreased from 58.4 in 1929 to 42.2 and average revenues per train mile were reduced by 72 cents, or 26.4 per cent.

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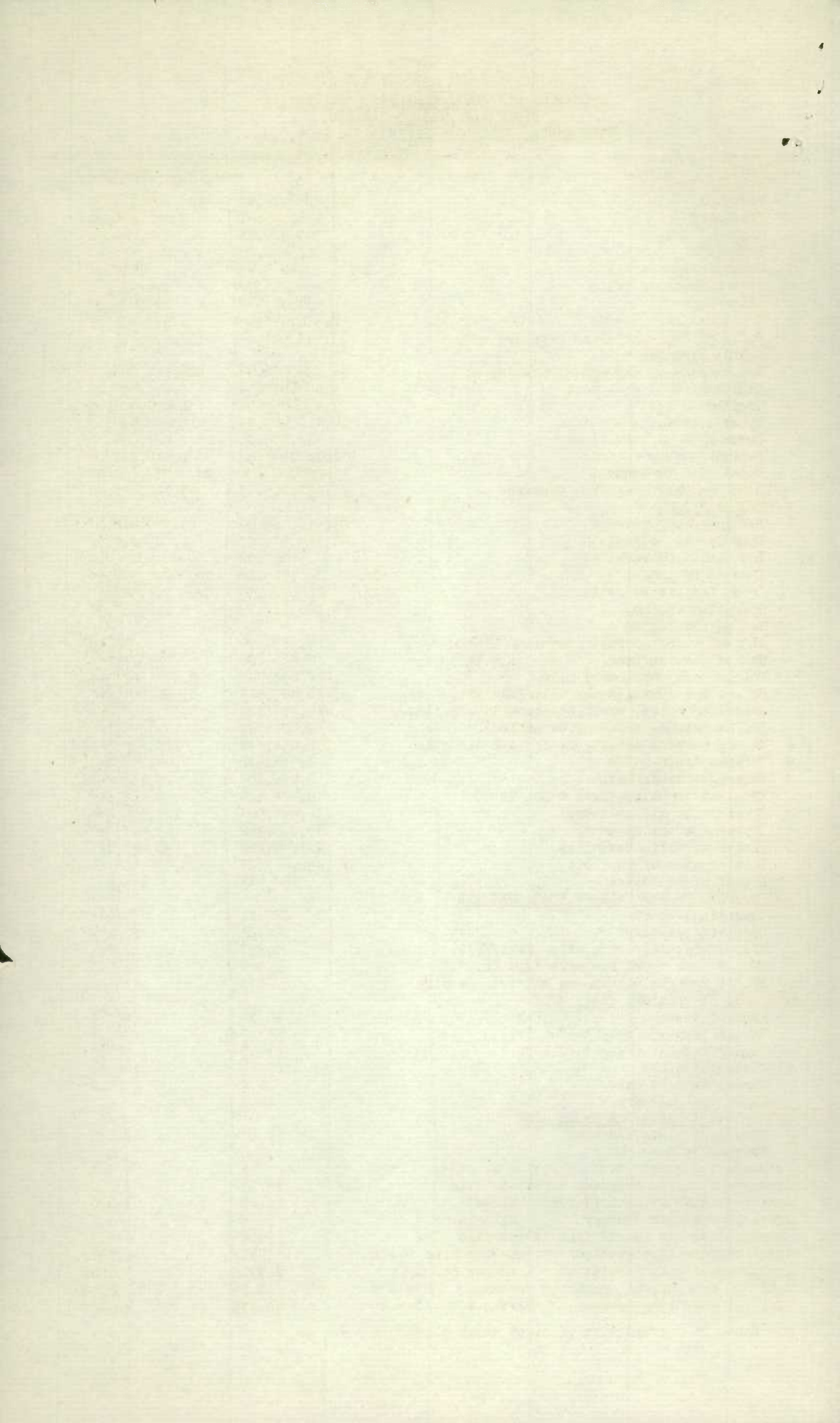




OPERATING REVENUES, EXPENSES & STATISTICS  
STEAM RAILWAYS OF CANADA  
WITH ANNUAL OPERATING REVENUES OF \$500,000.  
For the Month of December, 1930

	1930	1929
<u>OPERATING REVENUES</u>		
Freight	\$22,316,416.88	\$26,904,054.92
Passenger	5,116,136.41	7,300,899.10
Mail	730,831.88	840,464.62
Express	1,713,498.07	2,288,836.63
Other freight train	Dr. 279.45	3,810.06
Other passenger train	456,325.72	576,395.96
Water line	34,713.48	103,005.29
All other	2,976,758.05	1,973,178.74
Total railway operating revenues	33,449,501.04	39,990,645.32
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$4,423,670.07	\$6,163,265.71
Maintenance of equipment	5,897,877.34	7,555,955.25
Traffic	1,452,755.92	1,417,423.19
Transportation	14,410,469.83	16,684,582.62
Miscellaneous operations	413,755.74	421,084.76
General	1,162,594.59	1,017,271.82
Trans. for investment	Cr. 222,007.74	Cr. 237,350.90
Total railway operating expenses	27,539,115.75	33,022,232.45
<u>OPERATING INCOME</u>		
Net operating revenue	\$5,910,385.29	\$6,968,412.87
Railway tax accruals	1,164,071.97	1,785,819.67
Uncollectable revenues	5,257.02	5,255.08
Hire of equipment	Dr. 100,915.86	Dr. 241,985.54
Joint facilities rents	Cr. 165,974.35	Cr. 181,314.72
Operating income	4,806,114.79	5,116,667.30
<u>OPERATING STATISTICS</u>		
Average miles of road operated	41,307.90	41,063.19
No. of tons carried (Rev. Fr.)	7,500,286	9,371,554
No. of tons carried one mile " "	2,238,632,341	2,258,592,344
No. of tons carried one mile (All Fr.)	2,470,407,813	2,580,070,247
Gross ton miles, excl. of locomotive & tender	5,485,317,823	5,793,367,840
No. of revenue passengers carried	2,504,832	3,548,396
No. of revenue passengers carried one mile	172,276,838	228,855,375
# Freight train miles	4,376,532	4,797,333
# Passenger train miles	4,040,803	4,143,557
Total train miles (Rev. & Non Rev.)	8,492,128	9,168,696
Freight car miles-loaded	94,969,963	104,479,035
Freight car miles-empty	45,260,762	46,597,467
Passenger train car miles	28,740,208	30,013,096
Total amount of pay roll	\$19,456,663.28	\$20,924,005.25
Number of employees	148,033	155,840
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$25.81	\$31.42
Operating expenses	\$21.25	\$25.94
No. of tons moved one mile (Rev. Fr.)	1,727	1,774
No. of tons moved one mile (All Fr.)	1,906	2,027
No. of revenue passengers carried one mile	133	130
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.10	\$5.61
No. of tons of freight (Rev. Fr.)	511.5	470.3
No. of tons of freight (All Fr.)	564.5	537.3
Gross ton miles	1253.3	1207.6
Loaded freight cars	21.7	21.3
Empty freight cars	10.3	9.7
<u>AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.00	\$2.66
Passengers carried	42.6	55.2
Passenger cars	7.1	7.2
Average operating expenses per train mile	\$3.24	\$3.60
Average length of haul (Rev. Fr.) Miles	298.5	241.0
Average passenger journey Miles	68.8	64.5
Average tons per loaded freight car mile	26.0	24.7
Average freight receipt per revenue ton mile	.997¢	1.191¢
Average passenger receipt per passenger per mile	2.970¢	3.190¢
Ratio of pay roll to operating revenues	58.2%	52.3%
Ratio of operating expenses to revenues	82.33%	82.57%

# - Contains a proportion of mixed train miles.





## OPERATING REVENUES, EXPENSES &amp; STATISTICS

## EASTERN LINES

## CANADIAN NATIONAL RAILWAYS

For the Month of December, 1930

	1930	1929
<b>OPERATING REVENUES</b>		
Freight xx	\$1,536,106.67	\$1,624,361.27
Passenger	410,865.45	564,896.71
Mail	94,302.33	93,454.43
Express	162,350.88	236,144.76
Other freight train	--	--
Other passenger train	40,046.78	48,440.53
Water line	--	--
All other	97,796.34	146,170.47
Total railway operating revenues	2,341,468.45	2,713,468.22
<b>OPERATING EXPENSES</b>		
Maintenance of way and structures	\$531,136.44	\$439,550.52
Maintenance of equipment	316,895.25	708,963.95
Traffic	120,849.87	108,425.24
Transportation	1,378,346.93	1,497,392.93
Miscellaneous operations	27,739.82	35,114.19
General	143,431.94	107,415.05
Trans. for investment	Cr. 42,979.59	Cr. 14,152.60
Total railway operating expenses	2,475,420.66	2,882,709.23
<b>OPERATING INCOME</b>		
Net operating revenue	Dr. \$133,952.21	Dr. \$169,241.06
Railway tax accruals	17,134.69	29,327.04
Uncollectable revenues	87.60	649.01
Hire of equipment	Dr. 340,959.44	Dr. 316,772.10
Joint facilities rents	Dr. 113.87	Cr. 581.67
Operating income	Dr. 492,247.81	Dr. 515,407.54
<b>OPERATING STATISTICS</b>		
Average miles of road operated	3,342.39	3,332.54
No. of tons carried (Rev.Fr.)	415,141	455,795
No. of tons carried one mile " "	143,527,171	165,684,930
No. of tons carried one mile (All Fr.)	155,205,531	177,504,959
Gross ton miles, excl. of locomotive & tender	359,165,334	399,817,952
No. of revenue passengers carried	235,353	397,783
No. of revenue passengers carried one mile	16,665,022	23,754,221
# Freight train miles	357,755	404,791
# Passenger train miles	353,066	349,580
Total train miles (Rev. & Non Rev.)	720,106	776,565
Freight car miles- loaded	6,814,930	7,940,062
Freight car miles- empty	2,332,002	2,075,933
Passenger train car miles	2,305,165	2,407,583
Total amount of pay roll	(Included in Canadian Lines)	
Number of employees	" "	" "
<b>DAILY AVERAGES PER MILE OF ROAD OPERATED</b>		
Operating revenue	\$22.60	\$26.27
Operating expenses	\$23.89	\$27.90
No. of tons moved one mile (Rev.Fr.)	1,385	1,604
No. of tons moved one mile (All Fr.)	1,498	1,718
No. of rev. passengers carried one mile	161	230
<b>AVERAGES PER FREIGHT TRAIN MILE</b>		
Freight revenue	\$4.29	\$4.01
No. of tons of freight (Rev.Fr.)	401.2	409.3
No. of tons of freight (All Fr.)	433.8	438.5
Gross ton miles	1003.9	987.7
Loaded freight cars	19.0	19.6
Empty freight cars	6.5	5.1
<b>AVERAGES PER PASSENGER TRAIN MILE</b>		
Passenger train revenues	\$2.67	\$2.70
Passengers carried	47.2	68.0
Passenger cars	6.5	6.9
Average operating expenses per train mile	\$3.44	\$3.71
Average length of haul (Rev.Fr.) Miles	345.7	363.5
Average passenger journey Miles	58.4	59.7
Average tons per loaded freight car mile	22.8	22.4
Average freight receipt per revenue ton mile	1.070¢	.980¢
Average passenger receipt per passenger per mile	2.465¢	2.373¢
Ratio of operating expenses to revenues	105.72%	106.24%
xx - Including account Maritime Freight Rates Act	\$181,606.10	\$141,795.82
# - Contains a proportion of mixed train miles.		





**OPERATING REVENUES, EXPENSES & STATISTICS**  
**CANADIAN NATIONAL RAILWAYS**  
For the Month of December, 1930.

	1930	1929
<b>OPERATING REVENUES</b>		
Freight	\$8,890,922.42	\$11,456,855.71
Passenger	1,869,521.78	2,307,212.01
Mail	241,033.45	280,713.73
Express	945,910.56	1,413,162.44
Other freight train	Dr. 1,067.08	1,232.57
Other passenger train	157,827.63	203,774.86
Water line	-	-
All other	749,950.45	1,007,246.07
Total railway operating revenues	12,854,099.21	16,670,197.39
<b>OPERATING EXPENSES</b>		
Maintenance of way and structures	\$2,113,083.91	\$2,815,711.94
Maintenance of equipment	2,773,604.62	3,482,697.36
Traffic	479,939.53	593,053.41
Transportation	6,315,503.37	7,475,014.04
Miscellaneous operations	122,927.48	140,764.42
General	542,718.03	394,110.31
Trans. for investment	Cr. 166,270.79	Cr. 221,678.46
Total railway operating expenses	12,181,506.15	14,679,673.02
<b>OPERATING INCOME</b>		
Net operating revenue	\$672,593.06	\$1,990,524.37
Railway tax accruals	508,492.84	427,173.08
Uncollectable revenues	5,098.39	4,577.68
Hire of equipment	Cr. 416,777.31	Cr. 279,745.56
Joint facilities rents	Cr. 114,203.39	Cr. 104,211.30
Operating income	689,982.53	1,942,730.47
<b>OPERATING STATISTICS</b>		
Average miles of road operated	18,598.79	18,231.00
No. of tons carried (Rev.Fr.)	2,839,555	3,415,506
No. of tons carried one mile " "	914,666,024	987,404,436
No. of tons carried one mile (All Fr.)	1,021,470,572	1,102,796,039
Gross ton miles, excl. of locomotive & tender	2,323,805,694	2,476,223,238
No. of revenue passengers carried	1,017,135	1,438,618
No. of revenue passengers carried one mile	65,726,421	79,162,085
# Freight train miles	1,737,253	1,926,906
# Passenger train miles	1,613,654	1,625,871
Total train miles (Rev. & Non Rev.)	3,384,540	3,675,592
Freight car miles-loaded	40,356,229	44,753,921
Freight car miles-empty	20,213,271	19,553,944
Passenger train car miles	10,828,971	11,343,753
Total amount of pay roll (Including Eastern Lines)	\$10,799,409	\$12,029,823
Number of employees " " "	82,695	88,476
<b>DAILY AVERAGES PER MILE OF ROAD OPERATED</b>		
Operating revenue	\$22.29	\$29.50
Operating expenses	\$21.13	\$25.97
No. of tons moved one mile (Rev.Fr.)	1,586	1,747
No. of tons moved one mile (All Fr.)	1,772	1,951
No. of revenue passengers carried one mile	114	140
<b>#AVERAGES PER FREIGHT TRAIN MILE</b>		
Freight revenue	\$5.12	\$5.95
No. of tons of freight (Rev.Fr.)	526.5	512.4
No. of tons of freight (All Fr.)	588.0	572.3
Gross ton miles	1337.6	1285.1
Loaded freight cars	23.2	23.2
Empty freight cars	11.6	10.1
<b>#AVERAGES PER PASSENGER TRAIN MILE</b>		
Passenger train revenues	\$1.99	\$2.59
Passengers carried	40.7	48.7
Passenger cars	6.7	7.0
Average operating expenses per train mile	\$3.60	\$3.99
Average length of haul (Rev.Fr.) Miles	322.1	289.1
Average passenger journey Miles	64.6	55.0
Average tons per loaded freight car mile	25.3	24.6
Average freight receipt per revenue ton mile	.972¢	1.160¢
Average passenger receipt per passenger per mile	2.844¢	2.915¢
x Ratio of pay roll to operating revenues	71.1%	62.1%
Ratio of operating expenses to revenues	94.77%	88.06%

x - Revenue of Eastern Lines included to determine ratio.

# - Contains a proportion of mixed train miles.





## OPERATING REVENUES, EXPENSES &amp; STATISTICS

## CANADIAN PACIFIC RAILWAY

For the Month of December, 1930

	1930	1929
<u>OPERATING REVENUES</u>		
Freight	\$8,901,150.70	\$10,249,543.38
Passenger	2,147,868.03	3,333,656.28
Mail	377,212.33	391,935.45
Express	446,220.50	443,178.59
Other freight train	445.58	2,473.40
Other passenger train	238,242.11	293,042.60
Water line	84,713.48	102,230.53
All other	1,989,541.34	636,051.62
Total railway operating revenues	14,185,394.12	15,452,161.85
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,231,418.43	\$2,275,187.15
Maintenance of equipment	1,909,838.14	2,255,655.28
Traffic	751,074.01	609,348.43
Transportation	5,302,696.77	5,662,593.67
Miscellaneous operations	209,475.60	180,751.41
General	322,358.91	324,450.13
Trans. for investment	--	--
Total railway operating expenses	9,726,861.86	11,307,986.07
<u>OPERATING INCOME</u>		
Net operating revenue	\$4,458,532.26	\$4,144,175.78
Railway tax accruals	492,541.69	1,228,292.09
Uncollectable revenues	--	--
Hire of equipment	Cr. 93,685.71	Cr. 112,767.54
Joint facilities rents	Cr. 101,843.19	Cr. 124,616.87
Operating income	4,161,519.47	3,153,268.10
<u>OPERATING STATISTICS</u>		
Average miles of road operated	15,106.2	14,812.0
No. of tons carried (Rev. Fr.)	2,006,652	2,539,306
No. of tons carried one mile " "	951,783,178	909,504,673
No. of tons carried one mile (All Fr.)	1,057,451,650	1,015,767,483
Gross ton miles, excl. of locomotive & tender	2,148,526,272	2,132,008,343
No. of revenue passengers carried	840,683	1,226,360
No. of revenue passengers carried one mile	67,706,171	95,907,507
# Freight train miles	1,747,936	1,834,634
# Passenger train miles	1,605,017	1,641,289
Total train miles (Rev. & Non Rev.)	3,379,879	3,541,240
Freight car miles-loaded	36,558,251	38,080,163
Freight car miles-empty	16,164,765	15,973,797
Passenger train car miles	11,986,154	12,274,240
Total amount of pay roll	\$6,998,257.85	\$7,234,860.40
Number of employees	53,528	54,657
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$30.29	\$33.65
Operating expenses	\$20.77	\$24.63
No. of tons moved one mile (Rev. Fr.)	2,032	1,981
No. of tons moved one mile (All Fr.)	2,258	2,212
No. of rev. passengers carried one mile	145	209
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.09	\$5.59
No. of tons of freight (Rev. Fr.)	544.5	495.7
No. of tons of freight (All Fr.)	605.0	553.7
Gross ton miles	1229.2	1162.1
Loaded freight cars	20.9	20.8
Empty freight cars	9.2	8.7
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.00	\$2.72
Passengers carried	42.2	58.4
Passenger cars	7.5	7.5
Average operating expenses per train mile	\$2.38	\$3.19
Average length of haul (Rev. Fr.) Miles	474.3	358.2
Average passenger journey Miles	80.5	78.2
Average tons per loaded freight car mile	28.9	26.7
Average freight receipt per revenue ton mile	.935¢	1.127¢
Average passenger receipt per passenger per mile	3.172¢	3.476¢
Ratio of pay roll to operating revenues	49.3%	46.8%
Ratio of operating expenses to revenues	68.57%	73.13%

# -- Contains a proportion of mixed train miles.





CANADIAN NATIONAL RAILWAYS  
(Steam Lines in Canada & United States)  
For the Month of December, 1930

OPERATING REVENUES

	<u>1930</u>	<u>1929</u>
Canadian Lines	\$12,854,099.21	\$16,670,197.39
Duluth, Winnipeg & Pacific	106,275.00	171,771.48
Grand Trunk Western	1,723,059.00	1,919,005.65
New England Lines	116,562.69	226,265.21
Central Vermont Railway	<u>526,345.00</u>	<u>581,764.49</u>
Total	<u>15,326,340.90</u>	<u>19,569,004.22</u>

OPERATING EXPENSES

Canadian Lines	\$12,181,506.15	\$14,679,673.02
Duluth, Winnipeg & Pacific	120,276.70	164,811.63
Grand Trunk Western	1,554,459.21	2,016,071.88
New England Lines	174,441.43	192,067.61
Central Vermont Railway	<u>478,085.36</u>	<u>476,672.91</u>
Total	<u>14,508,768.85</u>	<u>17,529,297.05</u>

NET OPERATING REVENUE

Canadian Lines	\$672,593.06	\$1,990,524.37
Duluth, Winnipeg & Pacific	Dr. 14,001.70	6,959.85
Grand Trunk Western	168,599.79	Dr. 97,066.23
New England Lines	Dr. 57,878.74	34,197.60
Central Vermont Railway	<u>48,259.64</u>	<u>105,091.58</u>
Total	<u>817,572.05</u>	<u>2,039,707.17</u>

OPERATING INCOME

Canadian Lines	\$689,982.53	\$1,942,730.47
Duluth, Winnipeg & Pacific	Dr. 4,892.26	3,983.79
Grand Trunk Western	Dr. 179,114.45	Dr. 407,749.26
New England Lines	Dr. 112,776.87	Dr. 25,238.35
Central Vermont Railway	<u>52,934.13</u>	<u>72,784.34</u>
Total	<u>446,133.08</u>	<u>1,586,510.99</u>

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