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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

NOVEMBER

1928

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Published by Authority of the Hon. James Malcolm, M.P.,

Minister of Trade and Commerce

+ + +

OTTAWA

1929

THE HISTORY OF THE

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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., (Hon.), 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 MONTH OF NOVEMBER, 1928

The freight traffic on Canadian railways during November was 14.3 per cent heavier than in 1927, but passenger traffic fell off by 9.3 per cent. Gross revenues were larger by \$5,296,938, or 10.6 per cent and net revenues increased by \$2,035,127. The total pay roll was larger by \$1,244,117, or 5.5 per cent, for an increase of 8.3 per cent in the number of employees.

The freight traffic density was greater than for any previous month, averaging 4,572 revenue tons per day per mile of road operated. The train loading was also heavy, averaging 726.8 net tons and 1526.5 gross tons as against the peak of 1539.7 gross tons for October, 1928.

For the eleven months gross revenues were larger than in 1927 by \$52,817,613 and net revenues increased by \$23,601,193.

EASTERN LINES, CANADIAN NATIONAL RAILWAYS: Gross revenues were larger than for November 1927 by \$112,254, but expenses showed a still greater increase which increased the operating deficit by \$17,185. Freight traffic was heavier by 13.7 per cent but passenger traffic decreased by 26.3 per cent.

The freight traffic density was 2,014 revenue tons per day per mile of road as against 4,382 tons on the Canadian National lines and the train loading averaged 455.4 tons of revenue freight as against 731.0 tons on the Canadian National.

For January - November, the operating deficit amounted to \$6,167,756, or an increase of \$1,157,539, over the deficit for the eleven months in 1927.

CANADIAN NATIONAL RAILWAYS: November was the first month the net revenues did not exceed those for the same month in 1927. Gross revenues were larger than in 1927 by \$1,976,245 but an increase in operating expenses of \$2,134,582 reduced the net revenues by \$158,337. Freight traffic was heavier by 16.0 per cent, increasing the freight receipts by \$1,600,410, or 9.7 per cent, the average receipt per ton mile being .769 cent as against .813 cent in November, 1927.

The lines in the United States earned larger net revenues than in 1927 making the system net revenue larger by \$266,428.

For January - November, the Canadian lines earned net revenues amounting to \$42,192,876 and the United States lines earned \$11,356,415, making the system (exclusive of the Eastern Lines) net revenue \$53,549,291, which was an increase over 1927 net revenues for the same period of \$12,089,584.





CANADIAN PACIFIC RAILWAY: Gross revenues were greater than in 1927 by \$2,516,119, or 11.4 per cent, and net revenues increased by \$1,614,717.

Passenger traffic was light but the freight traffic was the heaviest recorded, averaging 6,040 revenue tons per day per mile of road as against 5,458 tons in 1927 and 5,957 tons in October, 1928. Train loading also established a new high record with 1,528 gross tons and 714.8 revenue tons.

For the eleven months, gross revenues were greater than in 1927 by \$26,311,235, net revenues increased by \$12,348,168, and the operating income by \$10,495,273.

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OPERATING REVENUES, EXPENSES & STATISTICS  
STEAM RAILWAYS OF CANADA  
WITH ANNUAL OPERATING REVENUES OF \$500,000  
For the month of November, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$43,832,559.85	\$38,723,325.44
Passenger	5,889,637.53	6,283,197.01
Mail	619,240.06	646,529.93
Express	1,986,763.46	1,732,600.81
Other freight train	2,702.05	3,963.13
Other passenger train	558,268.29	531,040.23
Water line	304,789.27	290,848.35
All other	2,155,741.07	1,841,258.62
Total railway operating revenues	55,349,701.58	50,052,763.52
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$7,224,081.78	\$6,231,324.45
Maintenance of equipment	9,928,577.06	8,183,462.61
Traffic	1,484,989.28	1,473,258.32
Transportation	19,181,647.73	18,640,245.62
Miscellaneous operations	417,898.28	405,056.22
General	1,087,570.59	1,013,277.63
Trans. for investment	Cr. 193,548.18	77,219.27
Total railway operating expenses	39,131,216.54	35,869,405.58
<u>OPERATING INCOME</u>		
Net operating revenue	\$16,218,485.04	\$14,183,357.94
Railway tax accruals	1,561,432.12	993,302.20
Uncollectable revenues	548.82	5,121.69
Hire of equipment	Dr. 645,117.53	Dr. 142,033.12
Joint facilities rents	Dr. 29,605.06	Cr. 141.22
Operating income	13,981,781.51	13,043,042.15
<u>OPERATING STATISTICS</u>		
Average miles of road operated	39,883.91	39,548.31
No. of tons carried (Rev.Fr.)	14,491,333	12,244,415
No. of tons carried one mile "	5,470,742,835	4,787,203,808
No. of tons carried one mile (All Fr.)	5,779,405,250	5,057,765,703
Gross ton miles, excl. of locomotive & tender	12,138,405,511	10,622,977,732
No. of revenue passengers carried	2,627,311	2,928,101
No. of rev. passengers carried one mile	211,964,113	233,672,162
# Freight train miles	7,951,921	7,453,892
# Passenger train miles	3,952,876	3,844,671
Total train miles (Rev. & Non Rev.)	12,205,641	11,517,865
Freight car miles-loaded	193,104,495	168,874,032
Freight car miles-empty	115,667,134	104,070,438
Passenger train car miles	29,013,461	28,092,332
Total amount of pay roll	\$23,691,174.95	\$22,447,057.42
Number of employees	177,723	164,066
<u>AVERAGES PER MILE OF ROAD OPERATED (DAILY)</u>		
Operating revenue	\$46.26	\$42.19
Operating expenses	\$32.70	\$30.23
No. of tons moved one mile (Rev.Fr.)	4,572	4,035
No. of tons moved one mile (All Fr.)	4,830	4,263
No. of rev. passengers carried one mile	177	197
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.51	\$5.20
No. of tons of freight (Rev.Fr.)	688.0	642.2
No. of tons of freight (All Fr.)	726.8	678.5
Gross ton miles	1526.5	1425.2
Loaded freight cars	24.3	22.7
Empty freight cars	14.5	14.0
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.29	\$2.35
Passengers carried	53.6	60.8
Passenger cars	7.3	7.3
Average operating expenses per train mile	\$3.21	\$3.11
Average length of haul (Rev.Fr.) Miles	377.5	391.0
Average passenger journey Miles	80.7	79.8
Average tons per loaded freight car mile	29.9	29.9
Av. freight receipt per revenue ton mile	.801¢	.809¢
Av. passenger receipt per passenger per mile	2.779¢	2.689¢
Ratio of pay roll to operating revenues	42.8%	44.8%
Ratio of operating expenses to revenues	70.70%	71.66%

# Contains a proportion of mixed train miles.







## OPERATING REVENUES, EXPENSES &amp; STATISTICS

## EASTERN LINES

## CANADIAN NATIONAL RAILWAYS

For the Month of November, 1928

	1928	1927
<b>OPERATING REVENUES</b>		
Freight	\$1,421,999.00	\$1,259,855.00
Passenger	317,586.00	349,764.00
Mail	62,500.00	72,613.00
Express	147,624.22	133,185.17
Other freight train	-	-
Other passenger train	34,298.21	36,582.08
Water line	-	-
All other	59,758.57	79,512.64
Total railway operating revenues	2,043,766.00	1,931,511.89
<b>OPERATING EXPENSES</b>		
Maintenance of way and structures	\$430,965.40	\$457,496.75
Maintenance of equipment	518,070.13	385,943.14
Traffic	60,984.85	63,132.41
Transportation	1,288,978.96	1,246,416.83
Miscellaneous operations	28,288.12	28,521.42
General	112,646.51	133,802.49
Trans. for investment	Cr. 2,472.95	Cr. 7,291.66
Total railway operating expenses	2,437,461.02	2,308,021.38
<b>OPERATING INCOME</b>		
Net operating revenue	Dr. \$ 393,695.02	Dr. \$376,509.49
Railway tax accruals	21,524.50	21,359.08
Uncollectable revenues	29.10	22.50
Hire of equipment	Dr. 58,492.32	Dr. 13,903.86
Joint facilities rents	Cr. 20,120.84	Dr. 558.76
Operating income	Dr. 453,620.10	Dr. 412,353.69
<b>OPERATING STATISTICS</b>		
Average miles of road operated	3,108.04	3,107.99
No. of tons carried (Rev.Fr.)	602,384	539,499
No. of tons carried one mile " "	187,814.378	165,173.798
No. of tons carried one mile (All Fr.)	199,763.345	186,116.356
Gross ton miles, excl. of locomotive & tender	436,888.795	404,289.023
No. of revenue passengers carried	258,128	252,795
No. of revenue passengers carried one mile	12,531.280	17,009.547
# Freight train miles	412,414	384,023
# Passenger train miles	308,999	303,072
Total Train Miles (Rev. & Non Rev.)	732,478	703,158
Freight car miles-loaded	8,255,667	7,700,751
Freight car miles-empty	2,605,818	2,402,144
Passenger train car miles	1,994,110	1,969,521
Total amount of pay roll (Included in Canadian Lines)		
Number of employees " " " "		
<b>DAILY AVERAGES PER MILE OF ROAD OPERATED</b>		
Operating revenue	\$21.92	\$20.72
Operating expenses	\$26.14	\$24.75
No. of tons moved one mile (Rev.Fr.)	2,014	1,771
No. of tons moved one mile (All Fr.)	2,142	1,996
No. of rev. passengers carried one mile	134	182
<b>#AVERAGES PER FREIGHT TRAIN MILE</b>		
Freight revenue	\$3.45	\$3.28
No. of tons of freight (Rev.Fr.)	455.4	430.1
No. of tons of freight (All Fr.)	484.4	484.6
Gross ton miles	1059.3	1052.8
Loaded freight cars	20.0	20.1
Empty freight cars	6.3	6.3
<b>#AVERAGES PER PASSENGER TRAIN MILE</b>		
Passenger train revenues	\$1.82	\$1.95
Passengers carried	40.6	56.1
Passenger cars	6.5	6.5
Average operating expenses per train mile	\$3.33	\$3.28
Average length of haul (Rev.Fr.) Miles	311.8	306.2
Average passenger journey Miles	48.5	67.3
Average tons per loaded freight car mile	24.2	24.2
Av. freight receipt per revenue ton mile	.757¢	.763¢
Av. passenger receipt per passenger per mile	2.534¢	2.056¢
Ratio of pay roll to operating revenues (Included in Canadian Lines)		
Ratio of operating expenses to revenues	119.26%	119.49%
# Contains a proportion of mixed train miles.		





## OPERATING REVENUES, EXPENSES &amp; STATISTICS

## CANADIAN NATIONAL RAILWAYS

For the month of November, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$18,065,879.38	\$16,465,468.58
Passenger	2,254,055.22	2,320,043.76
Mail	209,054.67	214,208.88
Express	1,166,123.54	932,127.09
Other freight train	-	-
Other passenger train	200,874.69	178,743.82
Water line	-	-
All other	1,174,484.48	983,634.47
Total railway operating revenues	23,070,471.98	21,094,226.60
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$2,919,749.91	\$2,313,525.13
Maintenance of equipment	4,574,549.70	3,199,573.71
Traffic	477,135.98	461,124.80
Transportation	8,570,412.73	8,327,909.01
Miscellaneous operations	147,087.28	154,062.08
General	452,646.74	426,990.97
Trans. for investment	Cr. 188,830.67	Cr. 65,016.90
Total railway operating expenses	16,952,751.67	14,818,168.80
<u>OPERATING INCOME</u>		
Net operating revenue	\$6,117,720.31	\$6,276,057.80
Railway tax accruals	238,859.84	240,980.00
Uncollectable revenues	441.91	4,070.63
Hire of equipment	Dr. 354,262.15	Dr. 16,329.72
Joint facilities rents	Cr. 12,468.90	Cr. 17,613.48
Operating income	5,536,625.31	6,032,290.93
<u>OPERATING STATISTICS</u>		
Average miles of road operated	17,868.23	17,753.64
No. of tons carried (Rev. Fr.)	5,519,250	4,649,352
No. of tons carried one mile " "	2,349,218,439	2,025,149,159
No. of tons carried one mile (All Fr.)	2,503,551,135	2,145,443,674
Gross ton miles, excl. of locomotive & tender	5,238,855,789	4,577,548,496
No. of revenue passengers carried	1,114,609	1,247,608
No. of rev. passengers carried one mile	85,449,144	89,888,790
# Freight train miles	3,213,586	3,066,629
# Passenger train miles	1,641,227	1,539,846
Total train miles (Rev. & Non Rev.)	4,994,152	4,722,699
Freight car miles-loaded	83,418,275	72,557,762
Freight car miles-empty	49,943,575	46,847,555
Passenger train car miles	11,363,970	10,711,045
Total amount of pay roll (Including Eastern Lines)	\$12,728,886	\$12,113,349
Number of employees " " "	97,150	89,955
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$43.04	\$39.61
Operating expenses	\$31.63	\$27.82
No. of tons moved one mile (Rev. Fr.)	4,382	3,802
No. of tons moved one mile (All Fr.)	4,670	4,028
No. of rev. passengers carried one mile	159	169
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.62	\$5.37
No. of tons of freight (Rev. Fr.)	731.0	660.4
No. of tons of freight (All Fr.)	779.1	699.6
Gross ton miles	1630.2	1492.7
Loaded freight cars	26.0	23.7
Empty freight cars	15.5	15.3
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.33	\$2.37
Passengers carried	52.1	58.4
Passenger cars	6.9	7.0
Average operating expenses per train mile	\$3.39	\$3.14
Average length of haul (Rev. Fr.) Miles	425.6	435.6
Average passenger journey Miles	76.7	72.0
Average tons per loaded freight car mile	30.0	29.6
Average freight receipt per rev. ton mile	.769¢	.813¢
Av. passenger receipt per passenger per mile	2.638¢	2.581¢
X Ratio of pay roll to operating revenues	50.7%	52.6%
Ratio of operating expenses to revenues	73.48%	70.25%
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 November, 1928

	1928	1927
<b>OPERATING REVENUES</b>		
Freight	\$19,979,180.90	\$17,246,853.91
Passenger	2,517,726.80	2,838,990.71
Mail	294,767.86	310,579.59
Express	443,010.93	441,046.65
Other freight train	2,421.32	3,316.66
Other passenger train	289,159.52	284,041.07
Water line	229,484.27	228,223.84
All other	735,881.24	622,460.91
Total railway operating revenues	24,491,632.84	21,975,513.34
<b>OPERATING EXPENSES</b>		
Maintenance of way and structures	\$3,152,930.20	\$2,762,926.39
Maintenance of equipment	3,958,316.30	3,711,242.60
Traffic	858,209.76	861,430.76
Transportation	7,593,305.44	7,394,369.42
Miscellaneous operations	187,422.44	172,467.92
General	328,290.31	274,635.31
Trans. for investment	--	--
Total railway operating expenses	16,078,474.45	15,177,072.40
<b>OPERATING INCOME</b>		
Net operating revenue	\$8,413,158.39	\$6,798,440.94
Railway tax accruals	1,148,510.00	598,313.68
Uncollectable revenues	--	--
Hire of equipment	Cr. 47,119.35	Cr. 149,484.76
Joint facilities rents	Dr. 5,657.99	Cr. 26,181.69
Operating income	7,306,109.75	6,375,793.71
<b>OPERATING STATISTICS</b>		
Average miles of road operated	14,411.8	14,181.7
No. of tons carried (Rev.Fr.)	4,934,212	4,115,520
No. of tons carried one mile " "	2,611,501,123	2,322,026,698
No. of tons carried one mile (All Fr.)	2,748,672,308	2,444,956,478
Gross ton miles, excl. of locomotive & tender	5,582,630,661	4,873,678,852
No. of revenue passengers carried	871,708	1,036,510
No. of revenue passengers carried one mile	87,857,532	100,664,061
# Freight train miles	3,653,646	3,394,528
# Passenger train miles	1,533,584	1,522,335
Total train miles (Rev. & Non Rev.)	5,242,161	4,978,223
Freight car miles-loaded	84,893,774	74,236,377
Freight car miles-empty	53,512,824	45,951,292
Passenger train car miles	11,940,485	11,695,390
Total amount of pay roll	\$9,116,720.42	\$8,555,130.26
Number of employees	66,860	60,994
<b>DAILY AVERAGES PER MILE OF ROAD OPERATED</b>		
Operating revenue	\$56.65	\$51.65
Operating expenses	\$37.19	\$35.67
No. of tons moved one mile (Rev.Fr.)	6,040	5,458
No. of tons moved one mile (All Fr.)	6,357	5,747
No. of rev. passengers carried one mile	203	237
<b>#AVERAGES PER FREIGHT TRAIN MILE</b>		
Freight revenue	\$5.47	\$5.08
No. of tons of freight (Rev.Fr.)	714.8	684.0
No. of tons of freight (All Fr.)	752.3	720.3
Gross ton miles	1528.0	1435.7
Loaded freight cars	23.2	21.9
Empty freight cars	14.6	13.5
<b>#AVERAGES PER PASSENGER TRAIN MILE</b>		
Passenger train revenues	\$2.31	\$2.55
Passengers carried	57.3	66.1
Passenger cars	7.8	7.7
Average operating expenses per train mile	\$3.07	\$3.05
Average length of haul (Rev.Fr.) Miles	529.3	564.2
Average passenger journey Miles	100.8	97.1
Average tons per loaded freight car mile	32.4	32.9
Av. freight receipt per revenue ton mile	.765¢	.743
Av. passenger receipt per passenger per mile	2.866¢	2.820¢
Ratio of pay roll to operating revenues	37.2%	38.9%
Ratio of operating expenses to revenues	65.65%	69.06%

# Contains a proportion of mixed train miles.

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7  
CANADIAN NATIONAL SYSTEM  
 (Steam Lines in Canada and United States)  
 For the Month of November, 1928

OPERATING REVENUES

	<u>1928</u>	<u>1927</u>
Canadian Lines	\$23,070,471.98	\$21,094,226.60
Duluth, Winnipeg and Pacific	201,113.00	207,096.00
Grand Trunk Western Lines	3,076,489.00	2,601,332.00
New England Lines	210,238.02	228,446.99
Total	<u>26,558,312.00</u>	<u>24,131,101.59</u>

OPERATING EXPENSES

Canadian Lines	\$16,952,751.67	\$14,818,168.80
Duluth, Winnipeg and Pacific	161,974.48	167,099.37
Grand Trunk Western Lines	2,114,712.34	2,000,833.87
New England Lines	189,693.20	272,247.56
Total	<u>19,419,131.69</u>	<u>17,258,349.60</u>

NET OPERATING REVENUES

Canadian Lines	\$6,117,720.31	\$6,276,057.80
Duluth, Winnipeg and Pacific	39,138.52	39,996.63
Grand Trunk Western Lines	961,776.66	600,498.13
New England Lines	20,544.82	Dr. 43,800.57
Total	<u>7,139,180.31</u>	<u>6,872,751.99</u>

OPERATING INCOME

Canadian Lines	\$5,536,625.31	\$6,032,290.93
Duluth, Winnipeg and Pacific	29,037.78	31,705.10
Grand Trunk Western Lines	473,012.39	184,333.10
New England Lines	Dr. 36,698.10	Dr. 104,528.82
Total	<u>6,001,977.38</u>	<u>6,143,800.31</u>

S U M M A R Y

For Eleven Months ended November 30.

ALL RAILWAYS

	<u>1928</u>	<u>1927</u>
Operating Revenues	\$506,452,548.35	\$453,634,935.40
Operating Expenses	398,686,949.96	369,470,529.53
Net Operating Revenue	107,765,598.39	84,164,405.87
Operating Income	95,388,688.87	75,404,561.71

CANADIAN NATIONAL RAILWAYS

Operating Revenues - Canadian Lines	\$212,286,730.39	\$188,610,013.60
United States Lines	40,744,146.61	38,328,395.35
Total	<u>253,030,877.00</u>	<u>226,938,408.95</u>
Operating Expenses - Canadian Lines	170,093,853.90	157,518,905.72
United States Lines	29,387,731.82	27,959,795.99
Total	<u>199,481,585.72</u>	<u>185,478,701.71</u>
Net Operating Revenue - Canadian Lines	42,192,876.49	31,091,107.88
United States Lines	11,356,414.72	10,368,599.36
Total	<u>53,549,291.28</u>	<u>41,459,707.24</u>
Operating Income - Canadian Lines	39,169,690.50	29,482,765.99
United States Lines	5,569,445.41	5,002,954.78
Total	<u>44,739,135.91</u>	<u>34,485,720.77</u>

CANADIAN NATIONAL RAILWAYS - EASTERN LINES

Operating Revenues	\$ 22,991,776.00	\$ 22,626,197.72
Operating Expenses	29,159,532.39	27,636,415.15
Net Operating Revenue	Dr. 6,167,756.39	Dr. 5,010,217.43
Operating income	Dr. 6,730,087.76	Dr. 5,313,722.94

CANADIAN PACIFIC RAILWAY

Operating Revenues	\$209,419,410.67	\$183,108,175.63
Operating Expenses	157,007,082.36	143,044,015.78
Net Operating Revenue	52,412,328.31	40,064,159.85
Operating Income	48,537,678.55	37,842,404.74

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