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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

JANUARY

1928

+ + +

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

+ + +

OTTAWA

1928

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THE NORTH W. CAROLINA

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

Dominion Statistician, R.H. Coats, B.A., F.S.S., (Hon.) F.R.S.C.
Chief, Transportation 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 JANUARY, 1928

The increase of 13.8 per cent in revenue ton miles of all railways was all in the western provinces and was mainly from the large carry-over of grain and the increased movement of coal, lumber, pulpwood and other forest products. The heavy crop in Alberta and Saskatchewan increased the average haul on grain moving to the head of the lakes. Also, the heavier movement to the Pacific ports increased the average haul, which for all freight was 328.5 miles, as against 295 miles in January 1927.

The average revenue per ton mile was reduced from .919 cent in 1927 to .855 cent and freight revenues increased by 5.8 per cent, or by \$1,517,372. Passenger revenues were heavier by \$201,240, or 3.6 per cent and total gross revenues were heavier by \$1,795,776, or 5 per cent. All general accounts of operating expenses registered increases and the total was larger by \$1,766,225, or 5.6 per cent. Net operating revenues increased by \$29,550, but the operating income declined by \$189,953. The total pay roll was heavier by \$1,376,140, or 7 per cent for an increase of 5,852 employees. Although the train loading was heavier by 18.9 revenue tons, the earnings per train mile were lighter by 16 cents, due to a larger percentage of the freight being grain and other low class freight.

CANADIAN NATIONAL RAILWAYS.- The data for January 1927 have been restated to be directly comparable with 1928 data with the Eastern Lines eliminated, except for the pay roll and employees, the total for all Canadian lines being shown in the Canadian National table.

Gross revenues were heavier by \$1,130,023 and were greater than for any previous January. Operating expenses also increased by \$877,173, or 6.6 per cent and the net operating revenues were larger by \$252,849. Revenue tons carried increased by 5.1 per cent, but the revenue ton miles increased by 22.8 per cent through the average haul increasing from 336.5 miles to 393.1 miles. Passenger traffic showed a slight decline, but the revenues increased through a higher average receipt per passenger mile. Freight train loading was heavier by 28.1 gross tons and by 38 revenue tons, but the revenue per train mile was less by 24 cents.

The lines in the United States showed a decrease in operating revenues and an increase in operating expenses, so that the system net operating revenues were larger by only \$88,910 and the operating income by \$70,905.

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EASTERN LINES OF CANADIAN NATIONAL RAILWAYS.- Freight traffic was lighter than in 1927 by 8.8 per cent, freight revenues were reduced by \$228,461, or 16.9 per cent and total operating revenues were lighter by \$222,900, or 10.9 per cent. Operating expenses showed increases in all general accounts except maintenance of equipment, the total being heavier by \$98,172, or 4.3 per cent, increasing the operating deficit by \$321,072. The average revenue per ton mile was .763 cent as against .837 cent, a reduction of 9 per cent. Train loading was heavier by 14.1 revenue tons, but lighter by 47 gross tons and the average revenue per train mile was reduced by 19 cents.

CANADIAN PACIFIC RAILWAY.- Operating revenues were the largest earned in any January and exceeded those of January, 1927, by \$967,660, or 6.7 per cent. Operating expenses were heavier by \$525,735, or 4.1 per cent, net operating revenues were increased by \$441,925 and the operating income by \$367,801.

The increase in the total pay roll was \$564,892, or 7.9 per cent for an increase of 3,895, or 7.2 per cent in the number of employees.

Expenditures on maintenance of equipment were the heaviest of any month during the past five years, but maintenance of way and structures, while heavier than for January, 1927, by 8.6 per cent, was not high compared with other months.

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OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

For the Month of January, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$27,587,147.20	\$26,069,775.14
Passenger	5,861,386.41	5,660,145.84
Mail	619,058.90	610,817.57
Express	1,510,918.78	1,506,396.85
Other freight train	2,873.42	1,146.75
Other passenger train	547,961.44	505,908.76
Water Line	48,818.13	44,699.13
All other	1,523,599.75	1,507,097.92
Total Railway Operating Revenues	37,701,764.03	35,905,987.96
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$5,019,520.12	\$4,440,896.26
Maintenance of equipment	8,252,994.64	8,151,423.16
Traffic	1,428,546.83	1,347,014.50
Transportation	17,343,330.26	16,389,294.65
Miscellaneous operations	442,689.25	415,918.60
General	1,024,107.11	977,207.44
Trans. for investment	Cr. 64,101.24	Cr. 40,893.24
Total Railway Operating Expenses	33,447,086.97	31,680,861.37
<u>OPERATING INCOME</u>		
Net operating revenue	\$4,254,677.06	\$4,225,126.59
Railway tax accruals	724,291.00	734,802.48
Uncollectable revenues	5,770.68	5,405.05
Hire of equipment	Dr. 200,106.31	Dr. 55,900.30
Joint facilities rents	Dr. 65,547.87	Cr. 19,895.53
Operating Income	3,258,961.20	3,448,914.29
<u>OPERATING STATISTICS</u>		
Average miles of road operated	39,551.44	39,343.79
No. of tons carried (Rev.Fr.)	9,825,267	9,613,734
No. of tons carried one mile " "	3,227,187,540	2,835,824,002
No. of tons carried one mile (All Fr.)	3,505,825,709	3,141,099,938
Gross ton miles, excl. of locomotive & tender	7,742,513,796	6,929,451,417
No. of revenue passengers carried	3,393,143	3,447,385
No. of rev. passengers carried one mile	201,913,575	196,213,744
# Freight train miles	6,235,106	5,686,732
# Passenger train miles	3,933,969	3,862,378
Total train miles (Rev. & Non Rev.)	10,461,674	9,736,144
Freight car miles-loaded	130,607,315	119,922,048
Freight car miles-empty	69,596,549	57,544,124
Passenger train car miles	27,470,497	26,767,978
Total amount of pay roll	\$20,924,300.00	\$19,548,159.59
Number of employees	158,022	152,170
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$30.75	\$29.44
Operating expenses	\$27.28	\$25.98
No. of tons moved one mile (Rev.Fr.)	2,632	2,325
No. of tons moved one mile (All Fr.)	2,859	2,575
No. of rev. passengers carried one mile	165	161
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.42	\$4.58
No. of tons of freight (Rev.Fr.)	517.6	498.7
No. of tons of freight (All Fr.)	562.3	552.4
Gross ton miles	1241.8	1218.5
Loaded freight cars	20.9	21.1
Empty freight cars	11.1	10.1
<u>AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.17	\$2.14
Passengers carried	51.3	50.8
Passenger cars	7.0	6.9
Average Operating Expenses per train mile	\$3.20	\$3.25
Average length of haul (Rev.Fr.) Miles	328.5	295.0
Average passenger journey Miles	59.5	56.9
Average tons per loaded freight car mile	26.8	26.2
Av. freight receipt per rev. ton mile	.855¢	.919¢
Av. passenger receipt per passenger per mile	2.903¢	2.885¢
Ratio of pay roll to operating revenues	55.5%	54.4%
Ratio of operating expenses to revenues	88.71%	88.23%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the Month of January, 1928

1928

1927

OPERATING REVENUES

Freight	\$1,126,160.00	\$1,354,621.00
Passenger	407,424.00	394,468.00
Mail	65,200.00	63,304.45
Express	113,218.00	121,510.04
Other freight train	-	-
Other passenger train	37,081.05	36,848.38
Water line	-	-
All other	70,140.95	71,372.39
Total railway operating revenues	1,819,224.00	2,042,124.26

OPERATING EXPENSES

Maintenance of way and structures	\$411,456.88	\$343,415.55
Maintenance of equipment	475,962.08	477,458.05
Traffic	61,121.85	60,439.59
Transportation	1,303,612.98	1,294,681.25
Miscellaneous operations	34,742.98	29,955.44
General	108,952.30	94,046.69
Trans. for investment	Cr. 175.59	Cr. 2,495.42
Total railway operating expenses	2,395,673.48	2,297,501.15

OPERATING INCOME

Net operating revenue	Dr. \$576,449.48	Dr. \$255,376.89
Railway tax accruals	21,786.85	21,768.51
Uncollectable revenues	26.70	140.63
Hire of equipment	Dr. 41,454.96	Dr. 3,993.59
Joint facilities rents	Dr. 1,462.50	Dr. 1,354.01
Operating income	Dr. 641,180.49	Dr. 282,633.63

OPERATING STATISTICS

Average miles of road operated	3,108.04	3,107.99
No. of tons carried (Rev. Fr.)	496,659	563,712
No. of tons carried one mile " "	147,552,267	161,846,121
No. of tons carried one mile (All Fr.)	159,336,235	188,202,491
Gross ton miles, excl. of locomotive & tender	342,767,949	407,152,554
No. of revenue passengers carried	298,629	299,778
No. of rev. passengers carried one mile	16,891,866	13,579,832
# Freight train miles	344,830	391,123
# Passenger train miles	308,681	293,570
Total train miles (Rev. & Non Rev.)	695,367	700,586
Freight car miles-loaded	6,513,682	7,537,950
Freight car miles-empty	1,969,431	2,767,715
Passenger train car miles	1,989,949	1,914,183
Total amount of pay roll	Included in Canadian Lines	
Number of employees	" " " "	" " " "

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operating revenue	\$18.88	\$21.20
Operating expenses	\$24.86	\$23.85
No. of tons moved one mile (Rev. Fr.)	1,531	1,680
No. of tons moved one mile (All Fr.)	1,654	1,953
No. of rev. passengers carried one mile	175	141

#AVERAGES PER FREIGHT TRAIN MILE

Freight revenue	\$3.27	\$3.46
No. of tons of freight (Rev. Fr.)	427.9	413.8
No. of tons of freight (All Fr.)	462.1	481.2
Gross ton miles	994.0	1041.0
Loaded freight cars	18.9	19.3
Empty freight cars	5.7	7.1

#AVERAGES PER PASSENGER TRAIN MILE

Passenger train revenues	\$2.02	\$2.10
Passengers carried	54.7	46.3
Passenger cars	6.4	6.5
Average operating expenses per train mile	\$3.45	\$3.28
Average length of haul (Rev. Fr.) Miles	297.1	287.1
Average passenger journey Miles	56.6	45.3
Average tons per loaded freight car mile	24.5	25.0
Av. freight receipt per revenue ton mile	.763¢	.837¢
Av. passenger receipt per passenger per mile	2.412¢	2.905¢
Ratio of pay roll to operating revenues	Included in Canadian Lines	
Ratio of operating expenses to revenues	131.69%	112.51%

Contains a proportion of mixed train miles.

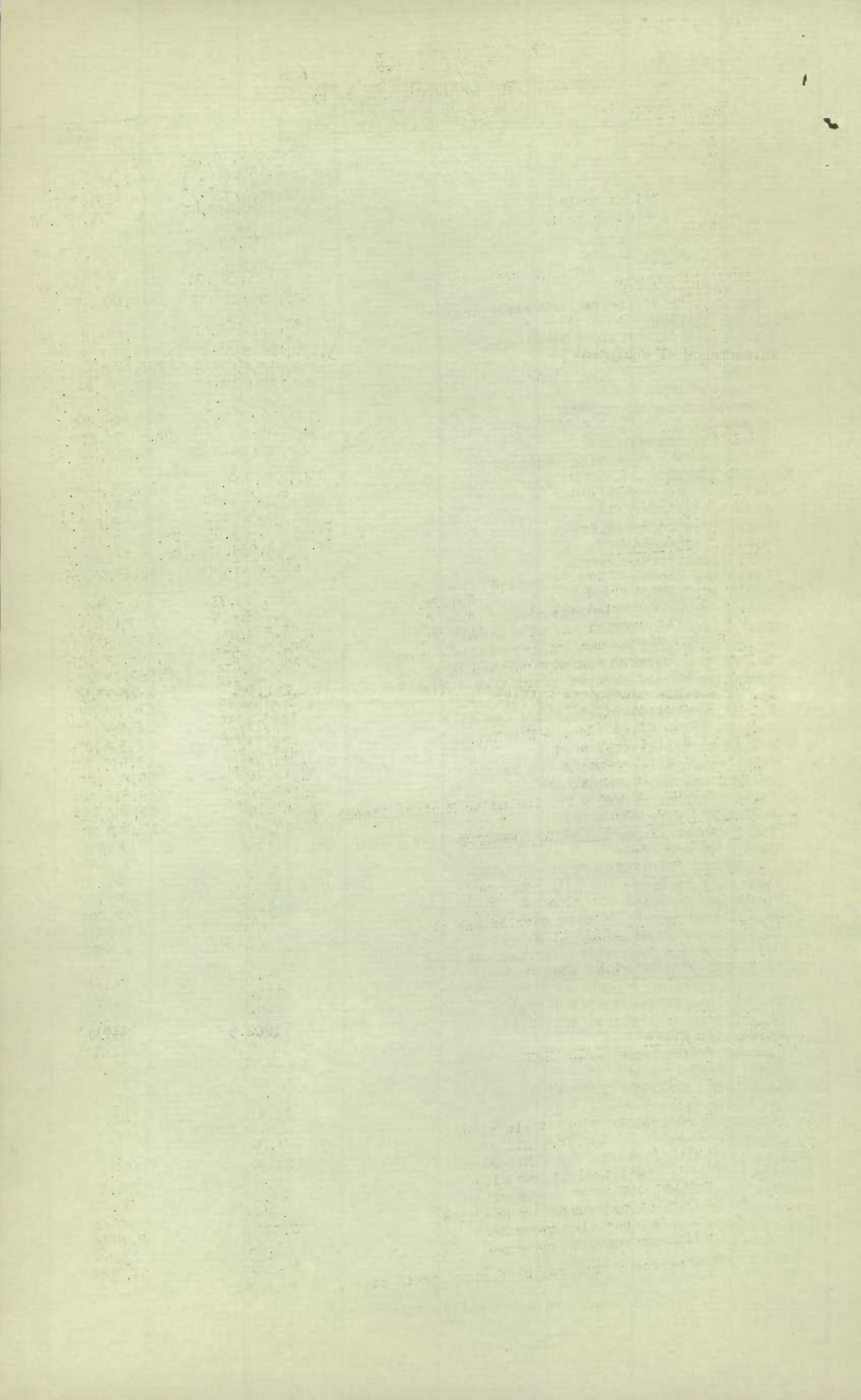
OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For the Month of January, 1928

	1923	1927
<u>OPERATING REVENUES</u>		
Freight	\$11,681,300.45	\$10,753,145.45
Passenger	2,158,206.13	2,064,619.69
Mail	193,462.97	191,077.79
Express	800,010.42	770,731.98
Other freight train	-	-
Other passenger train	189,029.69	167,173.47
Water line	-	-
All other	698,907.90	644,145.85
Total railway operating revenues	15,720,917.56	14,590,894.23
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$2,155,967.02	\$1,936,899.36
Maintenance of equipment	3,123,423.56	3,148,597.50
Traffic	466,775.70	418,611.44
Transportation	7,817,623.36	7,234,862.48
Miscellaneous operations	154,550.51	129,867.84
General	440,495.81	386,810.22
Trans. for investment	Cr. 62,226.74	Cr. 36,213.23
Total railway operating expenses	14,096,609.22	13,219,435.61
<u>OPERATING INCOME</u>		
Net operating revenue	\$1,624,308.34	\$1,371,458.62
Railway tax accruals	264,077.88	270,780.79
Uncollectable revenues	10,474.72	5,227.89
Hire of equipment	Dr. 24,493.95	Dr. 15,713.50
Joint facilities rents	Cr. 4,455.57	Cr. 36,299.23
Operating income	1,329,717.36	1,116,035.67
<u>OPERATING STATISTICS</u>		
Average miles of road operated	17,795.73	17,751.57
No. of tons carried (Rev. Fr.)	3,788,614	3,604,559
No. of tons carried one mile " "	1,489,367.031	1,213,052.715
No. of tons carried one mile (All Fr.)	1,624,004,563	1,366,184,276
Gross ton miles, excl. of locomotive & tender	3,463,925,679	2,959,764,205
No. of revenue passengers carried	1,395,876	1,497,996
No. of rev. passengers carried one mile	75,028,189	75,156,242
# Freight train miles	2,632,339	2,298,236
# Passenger train miles	1,567,948	1,544,276
Total train miles (Rev. & Non Rev.)	4,348,702	3,939,781
Freight car miles-loaded	57,844,204	50,816,876
Freight car miles-empty	32,429,144	25,616,545
Passenger train car miles	10,414,409	10,382,418
Total amount of pay roll (Including Eastern Lines)	\$11,466,362	10,742,289
Number of employees " " "	87,183	85,598
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$28.50	\$26.51
Operating expenses	\$25.55	\$24.02
No. of tons moved one mile (Rev. Fr.)	2,700	2,204
No. of tons moved one mile (All Fr.)	2,944	2,483
No. of revenue passengers carried one mile	136	137
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.44	\$4.68
No. of tons of freight (Rev. Fr.)	565.8	527.8
No. of tons of freight (All Fr.)	616.9	594.4
Gross ton miles	1315.9	1287.8
Loaded freight cars	22.0	22.1
Empty freight cars	12.3	11.1
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.13	\$2.07
Passengers carried	47.9	48.7
Passenger cars	6.6	6.7
Average operating expenses per train mile	\$3.24	\$3.36
Average length of haul (Rev. Fr.) Miles	393.1	336.5
Average passenger journey Miles	53.7	50.2
Average tons per loaded freight car mile	28.1	26.9
Av. freight receipt per revenue ton mile	.784¢	.886¢
Av. passenger receipt per passenger per mile	2.877¢	2.747¢
Ratio of pay roll to operating revenues	72.9%	73.6%
Ratio of operating expenses to revenues	89.67%	90.60%

Contains a proportion of mixed train miles.



OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RAILWAY

For the Month of January, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$11,284,676.08	\$10,406,919.37
Passenger	2,372,234.40	2,271,333.93
Mail	307,633.50	301,008.49
Express	440,986.29	445,651.18
Other freight train	2,426.68	425.76
Other passenger train	294,355.56	277,217.19
Water line	48,818.13	44,699.13
All other	599,610.61	635,825.45
Total railway operating revenues	15,350,741.25	14,383,080.50
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,720,388.47	\$1,583,982.10
Maintenance of equipment	3,330,808.91	3,722,740.82
Traffic	812,559.54	808,625.62
Transportation	6,447,059.66	6,128,753.75
Miscellaneous operations	196,709.82	203,302.68
General	287,508.41	321,894.32
Trans. for investment	Cr. -	-
Total railway operating expenses	13,295,034.81	12,769,299.29
<u>OPERATING INCOME</u>		
Net operating revenue	\$2,055,706.44	\$1,613,781.21
Railway tax accruals	318,086.12	320,634.94
Uncollectable revenues	-	-
Hire of equipment	Cr. 141,215.13	Cr. 180,779.33
Joint facilities rents	Dr. 799.17	Cr. 36,309.00
Operating income	1,878,036.28	1,510,234.60
<u>OPERATING STATISTICS</u>		
Average miles of road operated	14,170.2	14,004.0
No. of tons carried (Rev.Fr.)	2,872,862	2,547,877
No. of tons carried one mile " "	1,308,285,545	1,178,756,338
No. of tons carried one mile (All Fr.)	1,432,863,481	1,296,736,138
Gross ton miles, excl. of locomotive & tender	3,111,454,243	2,747,216,459
No. of revenue passengers carried	1,211,731	1,145,053
No. of revenue pass. carried one mile	80,712,396	78,063,230
# Freight train miles	- 2,587,553	2,325,506
# Passenger train miles	1,558,613	1,513,002
Total train miles (Rev. & Non Rev.)	4,218,751	3,894,390
Freight car miles-loaded	51,471,694	46,928,510
Freight car miles-empty	25,539,888	19,881,880
Passenger train car miles	11,354,666	10,830,179
Total amount of pay roll	\$7,714,197.78	\$7,149,304.97
Number of employees	58,187	54,292
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$34.95	\$33.13
Operating expenses	\$30.27	\$29.41
No. of tons moved one mile (Rev.Fr.)	2,978	2,715
No. of tons moved one mile (All Fr.)	3,262	2,987
No. of rev. passengers carried one mile	184	180
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.36	\$4.48
No. of tons of freight (Rev.Fr.)	505.6	506.3
No. of tons of freight (All Fr.)	553.8	557.6
Gross ton miles	1202.5	1181.3
Loaded freight cars	19.9	20.2
Empty freight cars	9.9	8.5
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.19	\$2.18
Passengers carried	51.8	51.6
Passenger cars	7.3	7.2
Average operating expenses per train mile	\$3.15	\$3.28
Average length of haul (Rev.Fr.) Miles	455.4	462.6
Average passenger journey Miles	66.6	68.2
Average tons per loaded freight car mile	27.8	27.6
Av. freight receipt per revenue ton mile	.863¢	.883¢
Av. passenger receipt per passenger per mile	2.939¢	2.910¢
Ratio of pay roll to operating revenues	50.3%	49.7%
Ratio of operating expenses to revenues	86.61%	88.78%

Contains a proportion of mixed train miles.

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

OPERATING REVENUES

	<u>1928</u>	<u>1927</u>
Canadian Lines	\$15,720,917.56	\$14,590,894.23
Duluth, Winnipeg & Pacific	224,656.00	217,977.00
Grand Trunk Western Lines	2,641,829.00	2,709,672.00
New England Lines	284,268.44	258,293.53
Total	<u>18,871,671.00</u>	<u>17,776,836.81</u>

OPERATING EXPENSES

Canadian Lines	\$14,096,609.22	\$13,219,435.61
Duluth, Winnipeg & Pacific	173,992.48	164,747.28
Grand Trunk Western Lines	1,994,587.22	1,922,037.87
New England Lines	285,471.01	238,515.11
Total	<u>16,550,659.93</u>	<u>15,544,735.87</u>

NET OPERATING REVENUES

Canadian Lines	\$ 1,624,308.34	\$ 1,371,458.62
Duluth, Winnipeg & Pacific	50,663.52	53,229.72
Grand Trunk Western Lines	647,241.78	787,634.13
New England Lines	Dr. 1,202.57	19,778.47
Total	<u>2,321,011.07</u>	<u>2,232,100.94</u>

OPERATING INCOME

Canadian Lines	\$ 1,329,717.36	\$ 1,116,035.67
Duluth, Winnipeg & Pacific	37,762.88	51,833.86
Grand Trunk Western Lines	292,063.33	393,766.28
New England Lines	Dr. 87,220.99	Dr. 60,218.81
Total	<u>1,572,322.58</u>	<u>1,501,417.00</u>

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