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CANADA
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

1928

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Published by Authority of the Hon. James Malcolm, 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 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 DECEMBER, 1928.

Gross revenues of Canadian railways were larger than for December, 1927, by \$4,006,641, or 8.9 per cent, from an increase in freight traffic of 12.4. Passenger traffic declined by 6.1 per cent and revenues were lighter by \$532,776, or 7.3 per cent. Operating expenses were heavier by \$1,667,266, or 4.5 per cent, maintenance of way and structures being heavier by \$1,221,042, or 17 per cent, and maintenance of equipment by \$739,792, or 8.4 per cent. Despite the increased traffic, transportation expenses showed a small decrease. Net operating revenues increased by \$2,339,375 and the operating income by \$1,916,716.

The average revenues per freight train mile increased from \$4.58 to \$5.31, or by 16 per cent, due to an increase in the loading of 81 tons of revenue freight. Passenger trains showed a lighter traffic and decreased earnings.

EASTERN LINES, CANADIAN NATIONAL RAILWAYS: The Eastern Lines of the Canadian National Railways showed a net operating revenue for the first time in 1928 of \$492,224. Gross revenues increased by \$211,307 and operating expenses were lighter than in 1927 by \$29,348.

Although revenue ton miles decreased by 1.7 per cent, freight revenues were larger by \$55,145, or 3.0 per cent, the average receipt per ton mile increasing from .779 cent in 1927 to .816 cent, an increase of 5.3 per cent. Freight train loading was heavier and the average earnings per train mile increased by 39 cents. Passenger train revenues also increased by 51 cents per train mile. The average passenger journey increased from 44.3 miles in December, 1927, to 66.3 miles, or by 50 per cent, and the average receipt per passenger mile increased from 2.126 cents to 2.401 cents.

CANADIAN NATIONAL RAILWAYS: Freight revenues increased by \$1,403,403, or 10.6 per cent, for an increase of 3.4 per cent in revenue ton miles and passenger revenues decreased by \$246,703, or 9.0 per cent for a decrease in passenger miles of 7.6 per cent. Gross revenues were larger than in December, 1927, by \$1,209,853, or 6.4 per cent, operating expenses increased by \$935,083, or 6.1 per cent, and net operating revenues were larger by \$274,770. Heavier taxes, car rentals, etc. reduced the operating income to \$185,035 less than in 1927.

Average revenue per freight train mile increased from \$4.46 to \$5.63, or by \$1.17, due to an increase of 98 revenue tons per train and an increase of 6.3 per cent in the average revenue per revenue ton mile.

CANADIAN PACIFIC RAILWAY: Freight traffic was 22.5 per cent heavier than for December, 1927, and freight revenues increased by \$2,492,157, or 18.4 per cent. Passenger traffic was lighter and revenues declined by \$255,705, or 8.2 per cent. Gross revenues showed an increase of \$3,289,632, or 12.2 per cent, and, with operating expenses increased by only \$848,681, net operating revenues were larger by \$1,440,950.

Freight train loading was heavier than in 1927 by 171.3 gross tons and 78.5 revenue tons, which increased the earnings per train mile by 44 cents. Lighter passenger traffic reduced the average passenger train revenue per train mile from \$2.60 to \$2.50.

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

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$36,348,849.51	\$32,065,183.43
Passenger	6,764,479.37	7,297,255.59
Mail	789,270.54	756,079.78
Express	2,355,425.89	2,396,058.01
Other freight train	1,385.81	2,183.70
Other passenger train	599,483.32	583,110.46
Water line	153,171.30	170,363.05
All other	2,176,976.71	1,912,166.83
Total railway operating revenues	49,189,042.45	45,182,400.85
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$8,405,636.61	\$7,184,594.61
Maintenance of equipment	9,543,884.28	8,804,091.54
Traffic	1,676,584.95	1,635,795.09
Transportation	18,311,226.47	18,369,575.57
Miscellaneous operations	453,574.66	425,124.08
General	932,396.50	1,102,705.35
Trans. for investment	Cr. 236,934.92	Cr. 102,783.74
Total railway operating expenses	39,086,368.55	37,419,102.50
<u>OPERATING INCOME</u>		
Net operating revenue	\$10,102,673.90	\$7,763,298.35
Railway tax accruals	1,788,478.78	1,526,634.38
Uncollectable revenues	13,699.50	4,759.70
Hire of equipment	Dr. 421,469.84	Dr. 134,270.30
Joint facilities rents	Cr. 129,032.33	Dr. 6,242.80
Operating income	8,008,058.11	6,091,341.17
<u>OPERATING STATISTICS</u>		
Average miles of road operated	40,031.90	39,525.44
No. of tons carried (Rev.Fr.)	11,669,502	10,339,986
No. of tons carried one mile " "	4,310,189,729	3,835,711,036
No. of tons carried one mile (All Fr.)	4,662,555,431	4,127,517,470
Gross ton miles, excl. of locomotive & tender	9,680,234,215	8,619,288,800
No. of revenue passengers carried	3,053,611	3,695,829
No. of revenue passengers carried one mile	237,215,031	252,673,511
# Freight train miles	6,849,878	6,996,947
# Passenger train miles	4,110,288	4,114,155
Total train miles (Rev. & Non Rev.)	11,076,639	11,310,259
Freight car miles-loaded	157,973,890	142,584,478
Freight car miles-empty	91,667,452	77,839,598
Passenger train car miles	31,796,587	29,985,056
Total amount of pay roll	\$22,023,714.53	\$21,994,624.86
Number of employees	167,542	161,692
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$39.64	\$36.87
Operating expenses	\$31.50	\$30.54
No. of tons moved one mile (Rev.Fr.)	3,473	3,130
No. of tons moved one mile (All Fr.)	3,757	3,369
No. of rev. passengers carried one mile	191	206
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.31	\$4.58
No. of tons of freight (Rev.Fr.)	629.2	548.2
No. of tons of freight (All Fr.)	680.7	589.9
Gross ton miles	1413.2	1231.9
Loaded freight cars	23.1	20.4
Empty freight cars	13.4	11.1
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.56	\$2.63
Passengers carried	57.7	61.4
Passenger cars	7.7	7.3
Average operating expenses per train mile	\$3.53	\$3.30
Average length of haul (Rev.Fr.) Miles	369.4	370.9
Average passenger journey Miles	77.7	68.4
Average tons per loaded freight car mile	29.5	28.9
Av. freight receipt per rev. ton mile	.843¢	.836¢
Av. passenger receipt per passenger per mile	2.852¢	2.888¢
Ratio of pay roll to operating revenues	44.8%	48.7%
Ratio of operating expenses to revenues	79.46%	82.82%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the Month of December, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$1,924,149.28	\$1,869,003.57
Passenger	473,084.92	386,646.85
Mail	86,319.10	64,869.49
Express	212,306.63	151,687.31
Other freight train	-	-
Other passenger train	43,610.27	42,740.91
Water line	-	-
All other	76,573.35	89,788.38
Total railway operating revenues	2,816,043.55	2,604,736.51
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$316,780.35	\$310,745.69
Maintenance of equipment	418,018.82	475,649.58
Traffic	76,448.33	24,633.14
Transportation	1,389,002.27	1,398,446.15
Miscellaneous operations	33,902.49	36,681.14
General	115,761.29	113,152.40
Trans. for investment	Cr. 26,094.42	Cr. 6,140.39
Total railway operating expenses	2,323,819.13	2,353,167.71
<u>OPERATING INCOME</u>		
Net operating revenue	\$492,224.42	\$251,568.80
Railway tax accruals	21,572.01	21,487.00
Uncollectable revenues	312.42	28.32
Hire of equipment	Dr. 106,509.02	Dr. 88,693.31
Joint facilities rents	Cr. 10,632.84	Dr. 1,982.40
Operating income	374,463.81	139,377.77
<u>OPERATING STATISTICS</u>		
Average miles of road operated	3,104.36	3,108.04
No. of tons carried (Rev. Fr.)	681,473	640,774
No. of tons carried one mile " "	235,746,379	239,845,412
No. of tons carried one mile (All Fr.)	250,034,921	258,927,202
Gross ton miles, excl. of locomotive & tender	510,510,552	528,106,348
No. of revenue passengers carried	297,063	410,097
No. of revenue pass. carried one mile	19,702,892	18,184,851
# Freight train miles	443,387	473,585
# Passenger train miles	331,145	331,414
Total train miles (Rev. & Non Rev.)	779,968	819,710
Freight car miles-loaded	9,706,661	9,420,347
Freight car miles-empty	2,403,541	3,161,719
Passenger train car miles	2,316,240	2,241,150
Total amount of pay roll (Included in Canadian Lines)		
Number of employees " " " "		
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$29.26	\$27.03
Operating expenses	\$24.15	\$24.42
No. of tons moved one mile (Rev. Fr.)	2,450	2,489
No. of tons moved one mile (All Fr.)	2,598	2,687
No. of rev. passengers carried one mile	205	189
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.34	\$3.95
No. of tons of freight (Rev. Fr.)	531.7	506.4
No. of tons of freight (All Fr.)	563.9	546.7
Gross ton miles	1151.4	1115.1
Loaded freight cars	21.9	19.9
Empty freight cars	5.4	6.7
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.46	\$1.95
Passengers carried	59.5	54.9
Passenger cars	7.0	6.8
Average operating expenses per train mile	\$2.98	\$2.87
Average length of haul (Rev. Fr.) Miles	345.9	374.3
Average passenger journey Miles	66.3	44.3
Average tons per loaded freight car mile	25.8	27.5
Av. freight receipt per rev. ton mile	.816¢	.779¢
Av. passenger receipt per passenger per mile	2.401¢	2.126¢
Ratio of pay roll to operating revenues (Included in Canadian Lines)		
Ratio of operating expenses to revenues	82.52%	90.34%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For the month of December, 1928.

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$14,610,586.75	\$13,207,183.53
Passenger	2,483,041.33	2,729,744.80
Mail	243,308.35	231,706.42
Express	1,436,431.11	1,564,931.25
Other freight train	-	-
Other passenger train	222,402.05	218,768.99
Water line	-	-
All other	1,177,077.41	1,010,658.73
Total railway operating revenues	20,172,847.00	18,962,993.72
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$3,285,818.69	\$2,432,402.16
Maintenance of equipment	3,841,797.29	3,597,791.00
Traffic	568,713.49	571,096.40
Transportation	8,088,411.26	8,080,948.35
Miscellaneous operations	153,938.90	161,185.17
General	473,560.25	518,505.42
Trans. for investment	Cr. 209,272.52	Cr. 94,044.31
Total railway operating expenses	16,202,967.36	15,267,884.19
<u>OPERATING INCOME</u>		
Net operating revenue	\$3,969,879.64	\$3,695,109.53
Railway tax accruals	431,812.28	152,034.56
Uncollectable revenues	13,293.16	3,687.62
Hire of equipment	Dr. 175,437.43	Cr. 97,188.74
Joint facilities rents	Cr. 78,425.94	Dr. 23,777.56
Operating income	3,427,762.71	3,612,798.53
<u>OPERATING STATISTICS</u>		
Average miles of road operated	18,024.10	17,751.69
No. of tons carried (Rev. Fr.)	4,520,905	3,924,035
No. of tons carried one mile " "	1,665,037,889	1,607,367,007
No. of tons carried one mile (All Fr.)	1,826,053,064	1,736,814,057
Gross ton miles, excl. of locomotive & tender	3,908,081,984	3,719,576,097
No. of revenue passengers carried	1,236,987	1,481,388
No. of revenue passengers carried one mile	87,775,179	94,989,488
# Freight train miles	2,597,382	2,960,413
# Passenger train miles	1,682,601	1,631,533
Total train miles (Rev. & Non Rev.)	4,353,450	4,720,174
Freight car miles-loaded	64,256,898	60,820,546
Freight car miles-empty	36,692,001	35,649,030
Passenger train car miles	11,822,570	11,494,081
Total amount of pay roll (Including Eastern Lines)	\$11,834,468	\$11,970,034
Number of employees " " "	92,505	88,555
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$36.10	\$34.46
Operating expenses	\$29.00	\$27.74
No. of tons moved one mile (Rev. Fr.)	2,980	2,921
No. of tons moved one mile (All Fr.)	3,268	3,156
No. of rev. passengers carried one mile	157	173
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.63	\$4.46
No. of tons of freight (Rev. Fr.)	641.0	543.0
No. of tons of freight (All Fr.)	703.0	586.7
Gross ton miles	1504.6	1256.4
Loaded freight cars	24.7	20.5
Empty freight cars	14.1	12.0
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.61	\$2.91
Passengers carried	52.2	51.2
Passenger cars	7.0	7.0
Average operating expenses per train mile	\$3.72	\$3.23
Average length of haul (Rev. Fr.) Miles	368.3	409.6
Average passenger journey Miles	79.0	64.1
Average tons per loaded freight car mile	28.4	28.6
Av. freight receipt per revenue ton mile	.877¢	.822¢
Av. passenger receipt per passenger per mile	2.829¢	2.874¢
x Ratio of pay roll to operating revenues	51.5%	55.5%
Ratio of operating expenses to revenues	80.32%	80.51%

x Revenue of Eastern Lines included to determine ratio.

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RAILWAY

For the Month of December, 1928

	1928	1927
OPERATING REVENUES		
Freight	\$16,067,954.18	\$13,575,796.81
Passenger	2,874,537.12	3,130,242.22
Mail	391,119.64	405,569.92
Express	456,317.52	444,790.86
Other freight train	1,268.22	1,773.56
Other passenger train	299,191.73	289,137.86
Water line	142,029.64	143,196.71
All other	754,525.38	706,802.73
Total railway operating revenues	20,986,943.43	18,697,310.77
OPERATING EXPENSES		
Maintenance of way and structures	\$4,177,410.71	\$3,847,023.13
Maintenance of equipment	4,085,492.79	3,592,522.78
Traffic	931,994.20	945,566.51
Transportation	7,131,103.94	7,149,623.14
Miscellaneous Operations	211,245.55	201,069.21
General	327,643.31	280,403.81
Trans. for investment	--	--
Total Railway operating expenses	16,864,890.50	16,016,208.58
OPERATING INCOME		
Net operating revenue	\$4,122,052.93	\$2,681,102.19
Railway tax accruals	1,245,661.92	1,249,841.79
Uncollectable revenues	--	--
Hire of equipment	Cr. 172,527.38	Cr. 130,767.17
Joint facilities rents	Cr. 107,854.75	Cr. 111,139.09
Operating income	3,156,773.14	1,673,166.66
OPERATING STATISTICS		
Average miles of road operated	14,417.1	14,170.2
No. of tons carried (Rev.Fr.)	3,398,708	3,072,047
No. of tons carried one mile " "	2,114,240,263	1,726,376,676
No. of tons carried one mile (All Fr.)	2,284,735,866	1,862,713,481
Gross ton miles, excl. of locomotive & tender	4,428,423,819	3,598,858,001
No. of revenue passengers carried	1,043,548	1,294,919
No. of revenue pass. carried one mile	98,279,056	107,006,752
# Freight train miles	3,156,833	2,922,271
# Passenger train miles	1,607,150	1,645,293
Total train miles (Rev. & Non Rev.)	4,787,349	4,635,671
Freight car miles-loaded	68,798,269	57,507,025
Freight car miles-empty	42,366,899	31,939,992
Passenger train car miles	13,697,733	12,389,081
Total amount of pay roll	\$8,446,466.43	\$8,293,939.15
Number of employees	62,189	60,462
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating revenue	\$46.96	\$42.56
Operating expenses	\$37.73	\$36.46
No. of tons moved one mile (Rev.Fr.)	4,731	3,970
No. of tons moved one mile (All Fr.)	5,112	4,240
No. of rev. passengers carried one mile	220	244
#AVERAGES PER FREIGHT TRAIN MILE		
Freight revenue	\$5.09	\$4.65
No. of tons of freight (Rev.Fr.)	669.7	590.3
No. of tons of freight (All Fr.)	723.7	637.4
Gross ton miles	1402.8	1231.5
Loaded freight cars	21.8	19.7
Empty freight cars	13.4	10.9
#AVERAGES PER PASSENGER TRAIN MILE		
Passenger train revenues	\$2.50	\$2.60
Passengers carried	61.2	65.0
Passenger cars	8.5	7.5
Average operating expenses per train mile	\$3.52	\$3.45
Average length of haul (Rev.Fr.) Miles	622.1	562.0
Average passenger journey Miles	94.2	82.6
Average tons per loaded freight car mile	33.2	32.4
Av. freight receipt per rev. ton mile	.760¢	.785¢
Av. passenger receipt per passenger per mile	2.925¢	2.925¢
Ratio of pay roll to operating revenues	40.2%	44.4%
Ratio of operating expenses to revenues	80.36%	85.66%

Contains a proportion of mixed train miles.

CANADIAN NATIONAL SYSTEM(Steam Lines in Canada & United States)For the Month of December, 1928 - 1927OPERATING REVENUES

	<u>1928</u>	<u>1927</u>
Canadian Lines	\$20,172,847.00	\$18,962,993.72
Duluth, Winnipeg and Pacific	199,679.97	231,003.18
Grand Trunk Western Lines	3,023,834.51	2,207,527.74
New England Lines	204,682.74	376,440.81
Total	<u>23,601,044.22</u>	<u>21,777,965.45</u>

OPERATING EXPENSES

Canadian Lines	\$16,202,967.36	\$15,267,884.19
Duluth, Winnipeg and Pacific	171,318.77	194,793.52
Grand Trunk Western Lines	2,215,503.81	2,077,951.08
New England Lines	176,968.02	296,353.79
Total	<u>18,766,757.96</u>	<u>17,836,982.58</u>

NET OPERATING REVENUE

Canadian Lines	\$3,969,879.64	\$3,695,109.53
Duluth, Winnipeg and Pacific	28,361.20	36,209.66
Grand Trunk Western Lines	808,330.70	129,576.66
New England Lines	27,714.72	80,087.02
Total	<u>4,834,286.26</u>	<u>3,940,982.87</u>

OPERATING INCOME

Canadian Lines	\$3,427,762.71	\$3,612,798.53
Duluth, Winnipeg and Pacific	26,301.03	25,725.73
Grand Trunk Western Lines	261,288.93	Dr. 38,382.42
New England Lines	Dr. 32,290.72	Dr. 22,730.24
Total	<u>3,683,061.95</u>	<u>3,577,411.60</u>

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