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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

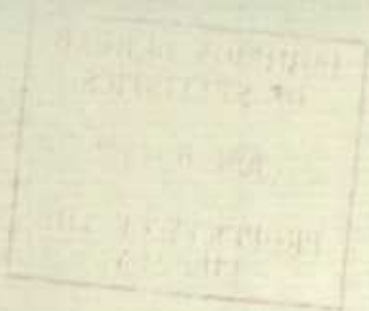
MARCH

1932

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

OTTAWA

1932



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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 MARCH, 1932

Gross revenues of Canadian railways for March amounted to \$25,027,300 as against \$30,365,265 last year and operating expenses were \$22,550,366 as against \$27,508,787 last year. These reduced the net operating revenues from \$2,856,478 to \$2,476,934 and the operating income from \$1,963,204 to \$1,611,874, or by \$351,329. The number of employees was reduced from 145,607 to 124,093, or by 17 per cent, and the total pay roll was reduced from \$19,012,096 to \$15,175,390, or by 25 per cent.

For the three months, January, February and March, gross revenues amounted to \$69,441,413 and operating expenses to \$66,526,887 as against \$85,011,840 and \$81,909,880, respectively, in 1931 and the operating income was reduced from \$457,566 in 1931 to \$305,167.

EASTERN LINES - CANADIAN NATIONAL RAILWAYS: With a reduction in gross revenues of \$280,431 and in operating expenses of \$490,017, net operating revenues were improved by \$209,586, or from a loss of \$271,291 in 1931 to a loss of \$61,704 in 1932. Average freight train revenue per train mile increased from \$4.31 to \$4.72 and passenger train revenues per train mile increased from \$1.77 to \$1.81, the number of passengers per train increasing from 40 to 44. The loss from operation for the three months, January to March, was \$1,022,499 as against \$1,992,620 in 1931. These figures do not include rentals, interest charges and other income accounts but only operating accounts.

CANADIAN NATIONAL RAILWAYS: (Canadian Lines exclusive of Eastern Lines): Gross revenues for March amounted to \$10,212,524 in 1932 as against \$12,290,695 in 1931, operating expenses were reduced from \$11,864,063 to \$9,813,393 and the operating income was increased from \$243,846 to \$256,067. The number of employees was reduced by 10,323 and the total pay roll amounted to \$8,292,417 as against \$10,449,566 in March 1931. The average revenue per passenger train mile showed an increase from \$1.65 in 1931 to \$1.82 despite a slight reduction in the average number of passengers per train, the average receipt per passenger mile increasing from 2.635 to 2.787 cents.

Gross revenues of the Canadian and United States lines amounted to \$12,248,624 as against \$15,030,052 in 1931, operating expenses were reduced from \$14,249,112 to \$11,690,019 and the operating income from \$258,198 to \$112,318.

For January, February and March the system gross revenue amounted to \$34,201,350 in 1932 and \$42,200,990 in 1931 and the operating income showed a loss of \$2,000,834 as against a loss of \$1,537,000 in 1931.

CANADIAN PACIFIC RAILWAY: Gross revenues amounted to \$10,237,545 as against \$12,283,882 for March 1931. This was a decrease of \$2,046,336 and, with operating expenses reduced by \$1,887,027, the net operating revenues were reduced from \$1,654,593 in 1931 to \$1,495,284 and the operating income was reduced from \$1,335,760 to \$1,170,502. The reduction in the total pay roll amounted to \$1,438,256 and the number of employees was reduced from 56,863 to 46,825, or by 10,038.

For the three months, January to March, gross revenues were \$28,383,330 and the operating income was \$2,017,415, as against \$34,968,754 and \$2,465,246, respectively, in 1931.

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OPERATING REVENUES, EXPENSES & STATISTICS
STEAM RAILWAYS OF CANADA
WITH ANNUAL OPERATING REVENUES OF \$500,000
For the Month of March, 1932

	1932	1931
<u>OPERATING REVENUES</u>		
Freight	\$18,411,639.48	\$22,694,754.37
Passenger	3,381,857.82	3,929,714.60
Mail	608,469.28	638,158.64
Express	1,118,484.75	1,297,194.20
Other freight train	6,869.56	3,707.09
Other passenger train	352,485.56	432,611.98
Water line	14,995.95	20,052.10
All other	1,132,498.46	1,349,072.59
Total railway operating revenues	25,027,300.86	30,365,265.57
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$3,655,408.45	\$4,440,656.19
Maintenance of equipment	5,004,953.94	6,453,248.78
Traffic	1,141,993.68	1,531,431.56
Transportation	11,509,437.83	13,744,103.99
Miscellaneous operations	263,197.07	352,245.52
General	989,353.19	1,086,915.32
Trans. for investment	Cr. 13,977.48	Cr. 99,813.88
Total railway operating expenses	22,550,366.68	27,508,787.48
<u>OPERATING INCOME</u>		
Net operating revenue	\$2,476,934.18	\$2,856,478.09
Railway tax accruals	707,198.75	722,848.05
Uncollectable revenues	2,223.19	932.48
Hire of equipment	Dr. 86,157.35	Dr. 111,663.98
Joint facilities rents	Dr. 69,479.95	Dr. 57,829.57
Operating income	1,611,874.94	Cr 1,963,204.01
<u>OPERATING STATISTICS</u>		
Average miles of road operated	41,760.45	41,988.33
No. of tons carried (Rev.Fr.)	6,018,690	7,190,580
No. of tons carried one mile " "	1,814,118,444	2,105,435,307
No. of tons carried one mile (All Fr.)	2,002,341,125	2,384,690,213
Gross ton miles, excl. of locomotive & tender	4,810,758,291	5,643,250,079
No. of revenue passengers carried	2,085,182	2,507,530
No. of revenue passengers carried one mile	125,032,134	142,515,653
# Freight train miles	3,803,564	4,281,807
# Passenger train miles	3,321,969	3,890,398
Total train miles (Rev. & Non Rev.)	7,295,454	8,302,633
Freight car miles- loaded	85,672,821	103,963,053
Freight car miles- empty	39,625,715	44,670,789
Passenger train car miles	23,186,491	25,888,992
Total amount of pay roll	\$15,175,390	\$19,012,096
Number of employees	124,093	145,607
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$19.33	\$23.33
Operating expenses	\$17.42	\$21.13
No. of tons moved one mile (Rev.Fr.)	1,401	1,618
No. of tons moved one mile (All Fr.)	1,547	1,832
No. of rev. passengers carried one mile	97	109
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.84	\$5.30
No. of tons of freight (Rev.Fr.)	477.0	491.7
No. of tons of freight (All Fr.)	526.4	556.9
Gross ton miles	1264.8	1318.0
Loaded freight cars	22.5	24.3
Empty freight cars	10.4	10.4
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.64	\$1.62
Passengers carried	37.6	36.6
Passenger cars	7.0	6.7
Average operating expenses per train mile	\$3.09	\$3.31
Average length of haul (Rev.Fr.) Miles	301.4	292.8
Average passenger journey Miles	60.0	56.8
Average tons per loaded freight car mile	23.4	22.9
Average freight receipt per revenue ton mile	1.015¢	1.078¢
Average passenger receipt per passenger per mile	2.705¢	2.757¢
Ratio of pay roll to operating revenues	60.6%	62.6%
Ratio of operating expenses to revenues	90.10%	90.59%
# - Contains a proportion of mixed train miles.		

OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the Month of March, 1932

	1932	1931
<u>OPERATING REVENUES</u>		
Freight xx	\$1,387,791.00	\$1,620,582.00
Passenger	308,355.00	335,301.00
Mail	56,700.00	68,000.00
Express	123,250.00	138,684.95
Other freight train		
Other passenger train	24,881.75	34,357.14
Water line		
All other	95,903.25	90,376.91
Total railway operating revenues	2,006,881.00	2,287,312.00
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$332,402.20	\$431,664.02
Maintenance of equipment	434,443.14	548,383.90
Traffic	58,978.23	76,256.06
Transportation	1,094,537.56	1,339,963.34
Miscellaneous operations	21,224.29	27,043.72
General	128,051.86	135,798.43
Trans. for investment	Cr. 1,051.32	Cr. 506.42
Total railway operating expenses	2,068,585.90	2,553,603.05
<u>OPERATING INCOME</u>		
Net operating revenue	Dr. \$61,704.90	Dr. \$271,291.05
Railway tax accruals	25,380.01	25,184.19
Uncollectable revenues	372.63	75.04
Hire of equipment	Dr. 80,788.09	Dr. 63,327.85
Joint facilities rents	Dr. 844.94	Cr. 102.70
Operating income	Dr. 169,090.57	Dr. 359,625.35
<u>OPERATING STATISTICS</u>		
Average miles of road operated	3,342.37	3,342.39
No. of tons carried (Rev.Fr.)	459,364	514,414
No. of tons carried one mile " "	132,513,252	157,509,887
No. of tons carried one mile (All Fr.)	140,936,891	185,479,305
Gross ton miles, excl. of locomotive & tender	323,166,375	413,012,793
No. of revenue passengers carried	294,555	365,659
No. of revenue passengers carried one mile	12,731,350	12,979,743
# Freight train miles	293,779	376,131
# Passenger train miles	289,025	324,712
Total train miles (Rev. & Non Rev.)	618,463	721,669
Freight car miles-loaded	6,336,989	7,980,588
Freight car miles-empty	1,617,716	2,165,856
Passenger train car miles	1,795,124	2,025,078
Total amount of pay roll	Included in Canadian Lines	
Number of employees	" " "	" "
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$19.37	\$22.08
Operating expenses	\$19.96	\$24.69
No. of tons moved one mile (Rev.Fr.)	1,279	1,520
No. of tons moved one mile (All Fr.)	1,360	1,790
No. of rev. passengers carried one mile	123	125
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.72	\$4.31
No. of tons of freight (Rev.Fr.)	451.1	418.7
No. of tons of freight (All Fr.)	479.7	493.1
Gross ton miles	1100.0	1097.9
Loaded freight cars	21.6	22.2
Empty freight cars	5.5	5.8
<u>AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.81	\$1.77
Passengers carried	44.0	40.0
Passenger cars	6.2	6.2
Average operating expenses per train mile	\$3.34	\$3.55
Average length of haul (Rev.Fr.) Miles	283.5	306.2
Average passenger journey Miles	43.2	35.5
Average tons per loaded freight car mile	22.2	23.2
Average freight receipt per revenue ton mile	1.0474	1.0296
Average passenger receipt per passenger per mile	2.4228	2.5836
Ratio of operating expenses to revenues	103.07%	111.86%
xx - Including account Maritime Freight Rates Act	\$157,000.00	190,000.00
# - Contains a proportion of mixed train miles.		

OPERATING INCOME, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For the Month of March, 1932

	1932	1931
<u>OPERATING REVENUES</u>		
Freight	\$7,473,296.00	\$9,039,214.59
Passenger	1,177,391.00	1,431,410.20
Haul	187,874.68	194,472.08
Express	664,904.26	733,482.56
Other freight train	66.00	107.50
Other passenger train	103,623.15	141,134.90
Water line		
All other	605,288.91	694,873.31
Total railway operating revenues	10,212,524.00	12,290,695.14
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,666,512.65	\$1,962,982.53
Maintenance of equipment	2,249,802.73	2,915,046.22
Traffic	375,859.15	529,593.62
Transportation	5,024,350.50	5,951,330.49
Miscellaneous operations	72,167.23	107,466.09
General	429,960.93	469,783.00
Trans. for investment	Cr. 5,260.26	Cr. 72,138.67
Total railway operating expenses	9,813,393.53	11,864,063.23
<u>OPERATING INCOME</u>		
Net operating revenue	\$399,130.47	\$426,631.86
Railway tax accruals	274,133.20	300,056.29
Uncollectable revenues	1,818.00	779.30
Hire of equipment	Cr. 142,124.41	Cr. 129,014.39
Joint facilities rents	Dr. 9,236.49	Dr. 10,963.44
Operating income	256,067.19	243,846.62
<u>OPERATING STATISTICS</u>		
Average miles of road operated	18,713.88	18,598.77
No. of tons carried (Rev.Fr.)	2,341,477	2,551,811
No. of tons carried one mile " "	774,355,393	865,832,469
No. of tons carried one mile (All Fr.)	862,855,419	997,629,055
Gross ton miles, excl. of locomotive & tender	2,015,890,543	2,324,673,464
No. of revenue passengers carried	747,171	954,173
No. of revenue passengers carried one mile	42,238,557	56,236,530
# Freight train miles	1,496,018	1,595,160
# Passenger train miles	1,175,299	1,552,171
Total train miles (Rev. & Non Rev.)	2,755,227	3,205,448
Freight car miles--- loaded	35,434,470	42,187,317
Freight car miles--- empty	17,240,602	19,250,742
Passenger train car miles	8,432,893	9,785,579
Total amount of pay roll (Including Eastern Lines)	\$8,292,417	\$10,449,566
Number of employees " " "	70,449	80,772
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$17.60	\$21.32
Operating expenses	\$16.92	\$20.58
No. of tons moved one mile (Rev.Fr.)	1,335	1,502
No. of tons moved one mile (All Fr.)	1,487	1,730
No. of rev. passengers carried one mile	73	98
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.00	\$5.67
No. of tons of freight (Rev.Fr.)	517.6	542.8
No. of tons of freight (All Fr.)	576.8	625.4
Gross ton miles	1347.5	1457.3
Loaded freight cars	23.7	26.4
Empty freight cars	11.5	12.1
<u>AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.82	\$1.65
Passengers carried	35.9	36.2
Passenger cars	7.2	6.3
Average operating expenses per train mile	\$3.56	\$3.70
Average length of haul (Rev.Fr.) Miles	330.7	337.9
Average passenger journey Miles	56.5	53.5
Average tons per loaded freight car mile	24.4	23.6
Average freight receipt per revenue ton mile	.965¢	1.044¢
Average passenger receipt per passenger per mile	2.737¢	2.635¢
Ratio of pay roll to operating revenues	67.9%	72.1%
Ratio of operating expenses to revenues	96.93%	96.53%
* - 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 March, 1932

	1932	1931
<u>OPERATING REVENUES</u>		
Freight	\$7,563,055.44	\$9,298,739.12
Passenger	1,557,489.83	1,654,928.47
Mail	313,596.60	332,888.95
Express	232,051.44	286,376.12
Other freight train	5,934.12	3,579.96
Other passenger train	212,501.06	246,437.43
Water line	14,995.95	18,068.60
All other	337,921.30	442,863.42
Total railway operating revenues	10,237,545.74	12,283,882.07
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,355,637.08	\$1,642,995.27
Maintenance of equipment	1,839,806.54	2,370,319.88
Traffic	634,309.53	841,523.28
Transportation	4,484,018.21	5,291,705.82
Miscellaneous operations	134,801.14	166,281.03
General	301,929.32	339,715.75
Trans. for investment	Cr. 8,240.32	Cr. 23,252.49
Total railway operating expenses	8,742,261.50	10,629,288.54
<u>OPERATING INCOME</u>		
Net operating revenue	\$1,495,284.24	\$1,654,593.53
Railway tax accruals	360,023.19	347,615.08
Uncollectable revenues		
Hire of equipment	Cr. 26,877.88	Cr. 14,026.68
Joint facilities rents	Cr. 8,363.35	Cr. 14,755.19
Operating income	1,170,502.28	1,335,760.32
<u>OPERATING STATISTICS</u>		
Average miles of road operated	16,811.1	16,766.8
No. of tons carried (Rev. Fr.)	1,844,020	2,297,108
No. of tons carried one mile " "	735,592,271	860,193,023
No. of tons carried one mile (All Fr.)	822,193,311	974,565,627
Gross ton miles, excl. of locomotive & tender	1,870,590,320	2,254,542,612
No. of revenue passengers carried	850,670	944,393
No. of revenue passengers carried one mile	57,782,450	58,229,345
# Freight train miles	1,598,772	1,823,403
# Passenger train miles	1,577,408	1,677,486
Total train miles (Rev. & Non Rev.)	3,221,137	3,544,700
Freight car miles-loaded	33,268,736	41,131,000
Freight car miles-empty	14,037,837	15,029,006
Passenger train car miles	10,502,472	11,214,476
Total amount of pay roll	\$5,973,696.36	\$7,411,952.70
Number of employees	46,825	56,863
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$19.64	\$23.63
Operating Expenses	\$16.78	\$20.45
No. of tons moved one mile (Rev. Fr.)	1,411	1,655
No. of tons moved one mile (All Fr.)	1,578	1,875
No. of rev. passengers carried one mile	111	112
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.73	\$5.10
No. of tons of freight (Rev. Fr.)	460.1	471.8
No. of tons of freight (All Fr.)	514.3	534.5
Gross ton miles	1170.0	1236.4
Loaded freight cars	20.8	22.6
Empty freight cars	8.8	8.2
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.47	\$1.50
Passengers carried	36.6	34.7
Passenger cars	6.7	6.7
Average operating expenses per train mile	\$2.71	\$3.00
Average length of haul (Rev. Fr.) Miles	398.9	374.5
Average passenger journey Miles	67.9	61.7
Average tons per loaded freight car mile	24.7	23.7
Average freight receipt per revenue ton mile	1.028¢	1.081¢
Average passenger receipt per passenger per mile	2.695¢	2.842¢
Ratio of pay roll to operating revenues	58.4%	60.3%
Ratio of operating expenses to revenues	85.39%	86.53%

- Contains a proportion of mixed train miles.

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

For the Month of March, 1932

OPERATING REVENUES

	<u>1932</u>	<u>1931</u>
Canadian Lines	\$10,212,524.00	\$12,290,695.14
Duluth, Winnipeg and Pacific	81,022.00	102,816.00
Grand Trunk Western	1,403,316.00	1,900,424.00
New England Lines	91,048.00	130,283.86
Central Vermont Railway	460,714.00	605,833.00
Total	<u>12,248,624.00</u>	<u>15,030,052.00</u>

OPERATING EXPENSES

Canadian Lines	\$9,813,393.53	\$11,864,063.28
Duluth, Winnipeg and Pacific	87,075.84	126,148.71
Grand Trunk Western	1,250,103.19	1,605,765.26
New England Lines	135,216.95	172,052.87
Central Vermont Railway	404,229.82	481,082.82
Total	<u>11,690,019.33</u>	<u>14,249,112.94</u>

NET OPERATING REVENUE

Canadian Lines	\$399,130.47	\$426,631.86
Duluth, Winnipeg and Pacific	Dr. 6,053.84	Dr. 23,332.71
Grand Trunk Western	153,212.81	294,658.74
New England Lines	Dr. 44,168.95	Dr. 41,769.01
Central Vermont Railway	56,484.18	124,750.18
Total	<u>558,604.67</u>	<u>780,939.06</u>

OPERATING INCOME

Canadian Lines	\$256,067.19	\$243,846.62
Duluth, Winnipeg and Pacific	6,460.29	Dr. 21,373.45
Grand Trunk Western	Dr. 77,067.05	16,320.89
New England Lines	Dr. 99,725.94	Dr. 107,206.09
Central Vermont Railway	26,584.06	126,610.40
Total	<u>112,318.55</u>	<u>258,198.37</u>

S U M M A R Y

For Three Months ended March 31st

ALL RAILWAYS

Operating revenues	\$69,441,413.19	\$85,011,840.42
Operating expenses	66,526,887.56	81,909,879.76
Net operating revenues	2,914,525.63	3,101,960.66
Operating income	305,166.62	457,566.14

CANADIAN NATIONAL RAILWAYS

Operating revenues - Canadian Lines	\$28,308,329.00	\$34,376,332.49
# United States Lines	5,893,021.00	7,824,657.51
Total	<u>34,201,350.00</u>	<u>42,200,990.00</u>
Operating expenses - Canadian Lines	29,171,426.12	35,134,791.62
# United States Lines	5,648,870.87	6,967,736.67
Total	<u>34,820,296.99</u>	<u>42,102,528.29</u>
Net operating revenues - Canadian Lines	Dr. 863,097.12	Dr. 758,459.13
# United States Lines	244,150.13	856,920.84
Total	<u>Dr. 618,946.99</u>	<u>98,461.71</u>
Operating income - Canadian Lines	Dr. 1,369,813.26	Dr. 1,213,228.35
# United States Lines	Dr. 631,021.47	Dr. 323,771.91
Total	<u>Dr. 2,000,834.73</u>	<u>Dr. 1,537,000.26</u>

CANADIAN NATIONAL RAILWAYS - EASTERN LINES

Operating revenues	\$5,453,954.00	\$6,045,463.00
Operating expenses	6,164,558.74	7,784,628.36
Net operating revenues	Dr. 710,604.74	Dr. 1,739,165.36
Operating income	Dr. 1,022,499.49	Dr. 1,992,620.52

CANADIAN PACIFIC RAILWAY

Operating revenues	28,383,330.76	34,968,754.04
Operating expenses	25,452,660.68	31,536,263.13
Net operating revenues	2,930,670.08	3,432,490.91
Operating income	2,017,415.30	2,465,246.57

- Including Central Vermont Railway.



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