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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

1933

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Published by Authority of the Hon. H.H. Stevens, M.P.,

Minister of Trade and Commerce

+ + +

OTTAWA

1933



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

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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.

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OPERATING REVENUES, EXPENSES AND STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

FOR THE MONTH OF MARCH, 1933

Gross revenues of Canadian railways for March amounted to \$20,611,506 compared with \$25,024,515 for March 1932. Operating expenses were reduced from \$22,550,599 to \$19,160,745 and the operating income from \$1,607,526 to \$519,985. The total pay roll was reduced by \$2,641,604, or from \$15,174,792 to \$12,533,187, and the number of employees was reduced by 17,093, or 13.8 per cent. The average passenger train earnings fell from \$1.64 per train mile to \$1.34 and the number of passengers per train was reduced from 37.6 to 32.0.

For the three months, January - March, gross revenues were \$55,042,743 in 1933 and \$69,438,628 in 1932 and the operating income was a debit of \$3,365,636 in 1933 and a credit of \$300,818 in 1932.

CANADIAN NATIONAL RAILWAYS: The Canadian National Railways in Canada earned \$9,833,713 in March, compared with \$12,219,405 last year. This was a decrease of \$2,385,692, or 19.5 per cent. Operating expenses were reduced from \$11,881,979 to \$10,090,967, or by \$1,791,012, and the operating income was a debit of \$553,421 compared with a credit of \$86,976 in March 1932. Due to a heavy eastward movement of grain from the western provinces, revenue ton miles decreased only 9.6 per cent while revenue freight carried decreased 23.6 per cent. This also was instrumental in increasing the average haul from 351.7 to 416.3 miles, the average train load from 506.7 to 522.7 revenue tons and decreasing the average freight receipt per ton mile from .977 cent to .888 cent, or by 9.1 per cent.

The lines in the United States all showed operating income debits; the New England lines showed an improvement over last year's operation, but all other lines showed much poorer results and the system operating income debit increased from \$56,772 in March 1932 to \$808,609. For the three months, January - March, the operating income debit amounted to \$5,723,271 in 1933 and \$3,023,334 in 1932. The United States lines showed a smaller loss in 1933 than in 1932, but the Canadian lines more than doubled the 1932 loss.

CANADIAN PACIFIC RAILWAY: Gross revenues declined from \$10,237,545 in March 1932 to \$8,777,280, or by 14.3 per cent, and operating expenses were reduced from \$8,742,261 to \$7,563,387, or by 13.5 per cent. The operating income amounted to \$877,495 compared with \$1,170,502 for March 1932. The total pay roll was reduced by \$1,098,992, or 18.4 per cent, for a reduction in the number of employees of 6,983 or 14.9 per cent. Despite a decrease of 12.4 per cent in tonnage handled, the increase in the haul from 398.9 miles to 471.3 miles increased the ton miles by 3.4 per cent for revenue freight and the average train load was increased by 63.2 revenue tons and 121.1 gross tons. A heavy grain movement was the main factor in these increases which, however, did not produce a corresponding increase in freight revenues on account of the low rate per ton mile.

For the first quarter gross revenues amounted to \$23,553,603 in 1933 and \$28,383,330 in 1932 and the operating income was \$1,297,479 in 1933 as against \$2,017,415 in 1932.



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OPERATING REVENUES, EXPENSES AND STATISTICS  
STEAM RAILWAYS OF CANADA  
WITH ANNUAL OPERATING REVENUES OF \$500,000  
For the Month of March, 1933

	1933	1932
<b>OPERATING REVENUES</b>		
Freight	\$15,791,683.20	\$18,409,748.74
Passenger	2,375,168.61	3,382,099.32
Mail	568,999.21	608,428.86
Express	853,260.74	1,118,327.93
Other freight train	Dr. 63.82	6,869.56
Other passenger train	260,847.78	352,448.17
Water line	8,389.50	14,995.95
All other	753,221.18	1,131,597.40
Total railway operating revenues	20,611,506.40	25,024,515.93
<b>OPERATING EXPENSES</b>		
Maintenance of way and structures	\$3,273,224.13	\$3,657,681.62
Maintenance of equipment	4,172,353.90	5,004,668.56
Traffic	945,531.02	1,141,993.68
Transportation	9,713,670.94	11,507,435.76
Miscellaneous operations	179,708.99	263,413.49
General	877,947.97	989,358.72
Trans. for investment	Cr. 1,691.53	Cr. 13,952.61
Total railway operating expenses	19,160,745.42	22,550,599.22
<b>OPERATING INCOME</b>		
Net operating revenue	\$1,450,760.98	\$2,473,916.71
Railway tax accruals	736,142.36	707,198.73
Uncollectable revenues	3,804.95	2,223.19
Hire of equipment	Dr. 127,840.17	Dr. 87,706.33
Joint facilities rents	Dr. 62,987.55	Dr. 69,262.03
Operating income	519,985.95	1,607,526.43
<b>OPERATING STATISTICS</b>		
Average miles of road operated	42,337.34	41,760.45
No. of tons carried (Rev.Fr.)	4,607,157	5,794,409
No. of tons carried one mile " "	1,712,389.173	1,814,054.254
No. of tons carried one mile (All Fr.)	1,898,265.531	2,002,249.683
Gross ton miles, excl. of locomotive & tender	4,401,399.351	4,810,468.917
No. of revenue passengers carried	1,630,325	2,074,966
No. of revenue passengers carried one mile	96,773.421	125,049.322
# Freight train miles	3,368,895	3,803,372
# Passenger train miles	3,026,832	3,321,675
Total train miles (Rev. & Non Rev.)	6,559,979	7,294,684
Freight car miles-loaded	76,213,294	85,669,672
Freight car miles-empty	36,921,023	39,619,277
Passenger train car miles	19,862,956	23,185,645
Total amount of pay roll	\$12,533,187.84	\$15,174,792.00
Number of employees	107,001	124,094
<b>DAILY AVERAGES PER MILE OF ROAD OPERATED</b>		
Operating revenue	\$15.70	\$19.33
Operating expenses	\$14.60	\$17.42
No. of tons moved one mile (Rev.Fr.)	1,305	1,401
No. of tons moved one mile (All Fr.)	1,446	1,547
No. of rev. passengers carried one mile	74	97
<b>#AVERAGES PER FREIGHT TRAIN MILE</b>		
Freight revenue	\$4.69	\$4.84
No. of tons of freight (Rev.Fr.)	508.3	476.9
No. of tons of freight (All Fr.)	563.5	526.4
Gross ton miles	1306.5	1264.8
Loaded freight cars	22.6	22.5
Empty freight cars	10.9	10.4
<b>#AVERAGES PER PASSENGER TRAIN MILE</b>		
Passenger train revenues	\$1.34	\$1.64
Passengers carried	32.0	37.6
Passenger cars	6.6	7.0
Average operating expenses per train mile	\$2.92	\$3.09
Average length of haul (Rev.Fr.) Miles	371.7	313.1
Average passenger journey Miles	59.4	60.3
Average tons per loaded freight car mile	24.9	23.4
Average freight receipt per rev. ton mile	.922¢	1.015¢
Average passenger receipt per passenger per mile	2.454¢	2.705¢
Ratio of pay roll to operating revenues	60.8%	60.6%
Ratio of operating expenses to revenues	92.96%	90.11%

# - Contains a proportion of mixed train miles.





## OPERATING REVENUES, EXPENSES AND STATISTICS

## CANADIAN NATIONAL RAILWAYS

For the Month of March, 1933

	1933	1932
<u>OPERATING REVENUES</u>		
Freight	\$7,277,315.00	\$8,861,087.00
Passenger	1,061,948.00	1,485,746.00
Mail	233,801.98	254,574.68
Express (Gross earnings)	634,489.72	788,154.26
Other freight train	50.00	66.00
Other passenger train	94,722.43	128,504.90
Water line		
All other	531,385.87	701,272.16
Total railway operating revenues	9,833,713.00	12,219,405.00
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,797,434.44	\$1,998,914.85
Maintenance of equipment	2,225,304.67	2,684,245.87
Traffic	352,931.72	434,837.38
Transportation	5,140,838.32	6,118,888.06
Miscellaneous operations	68,915.47	93,392.12
General	506,863.45	558,012.79
Trans. for investment	Cr. 1,321.17	Cr. 6,311.64
Total railway operating expenses	10,090,966.90	11,881,979.43
<u>OPERATING INCOME</u>		
Net operating revenue	Dr. \$257,253.90	\$337,425.57
Railway tax accruals	325,212.94	299,513.21
Uncollectable revenues	3,019.58	2,190.63
Hire of equipment	Cr. 36,453.86	Cr. 61,336.32
Joint facilities rents	Dr. 4,388.54	Dr. 10,081.43
Operating income	Dr. 553,421.10	Cr. 86,976.62
<u>OPERATING STATISTICS</u>		
Average miles of road operated	21,932.82	22,056.25
No. of tons carried (Rev. Fr.)	1,969,307	2,578,477
No. of tons carried one mile " "	819,835,890	906,868,645
No. of tons carried one mile (All Fr.)	920,402,855	1,003,792,310
Gross ton miles, excl. of locomotive & tender	2,091,505,520	2,339,056,918
No. of revenue passengers carried	823,410	1,031,171
No. of revenue passengers carried one mile	44,278,910	54,969,907
# Freight train miles	1,568,334	1,789,797
# Passenger train miles	1,406,286	1,464,324
Total train miles (Rev. & Non Rev.)	3,091,202	3,373,690
Freight car miles-loaded	36,683,380	41,771,459
Freight car miles-empty	15,974,705	18,858,318
Passenger train car miles	9,396,264	10,278,017
Total amount of pay roll	\$6,961,784	\$8,292,417
Number of employees	61,042	70,449
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$14.46	\$17.87
Operating expenses	\$14.84	\$17.38
No. of tons moved one mile (Rev. Fr.)	1,206	1,326
No. of tons moved one mile (All Fr.)	1,354	1,468
No. of rev. passengers carried one mile	65	80
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.64	\$4.95
No. of tons of freight (Rev. Fr.)	522.7	506.7
No. of tons of freight (All Fr.)	586.9	560.8
Gross ton miles	1333.6	1306.9
Loaded freight cars	23.4	23.3
Empty freight cars	10.2	10.5
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.44	\$1.81
Passengers carried	31.5	37.5
Passenger cars	6.7	7.0
Average operating expenses per train mile	\$3.26	\$3.52
Average length of haul (Rev. Fr.) Miles	416.3	351.7
Average passenger journey Miles	53.8	53.3
Average tons per loaded freight car mile	25.1	24.0
Average freight receipt per revenue ton mile	.888¢	.977¢
Average passenger receipt per passenger per mile	2.398¢	2.703¢
Ratio of pay roll to operating revenues	70.8%	67.9%
Ratio of operating expenses to revenues	102.62%	97.24%

# - Contains a proportion of mixed train miles.







## OPERATING REVENUES, EXPENSES AND STATISTICS

## CANADIAN PACIFIC RAILWAY

For the Month of March, 1933

	1933	1932
<u>OPERATING REVENUES</u>		
Freight	\$6,925,936.32	\$7,563,055.44
Passenger	1,075,371.29	1,557,489.83
Mail	300,347.62	313,596.60
Express	163,788.95	232,051.44
Other freight train	4,859.84	5,934.12
Other passenger train	154,101.34	212,501.06
Water line	8,389.50	14,995.95
All other	144,485.70	337,921.30
Total railway operating revenues	8,777,280.56	10,237,545.74
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,249,022.33	\$1,355,637.08
Maintenance of equipment	1,594,459.05	1,839,806.54
Traffic	531,574.06	634,309.53
Transportation	3,840,948.51	4,484,018.21
Miscellaneous operations	87,635.00	134,801.14
General	260,089.08	301,929.32
Trans. for investment	Cr. 340.69	Cr. 8,240.32
Total railway operating expenses	7,563,387.34	8,742,261.50
<u>OPERATING INCOME</u>		
Net operating revenue	\$1,213,893.22	\$1,495,284.24
Railway tax accruals	358,778.68	360,023.19
Uncollectable revenues	494.39	...
Hire of equipment	Cr. 12,544.18	Cr. 26,877.88
Joint facilities rents	Cr. 10,331.59	Cr. 8,363.35
Operating income	877,495.92	1,170,502.28
<u>OPERATING STATISTICS</u>		
Average miles of road operated	17,044.7	16,811.1
No. of tons carried (Rev.Fr.)	1,614,412	1,844,020
No. of tons carried one mile " "	760,886,602	735,592,271
No. of tons carried one mile (All Fr.)	842,468,437	822,193,311
Gross ton miles, excl. of locomotive & tender	1,877,226,641	1,870,590,320
No. of revenue passengers carried	680,531	850,670
No. of revenue passengers carried one mile	43,557,741	57,782,450
# Freight train miles	1,453,964	1,598,772
# Passenger train miles	1,396,041	1,577,408
Total train miles (Rev. & Non Rev.)	2,890,649	3,221,137
Freight car miles-loaded	31,030,452	33,268,736
Freight car miles-empty	15,581,765	14,037,837
Passenger train car miles	8,619,733	10,502,472
Total amount of pay roll	\$4,874,703.98	\$5,973,696.36
Number of employees	39,842	46,825
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$16.61	\$19.64
Operating expenses	\$14.31	\$16.78
No. of tons moved one mile (Rev.Fr.)	1,440	1,411
No. of tons moved one mile (All Fr.)	1,594	1,578
No. of rev. passengers carried one mile	82	111
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.77	\$4.73
No. of tons of freight (Rev.Fr.)	523.3	460.1
No. of tons of freight (All Fr.)	579.4	514.3
Gross ton miles	1291.1	1170.0
Loaded freight cars	21.3	20.8
Empty freight cars	10.7	8.8
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.21	\$1.47
Passengers carried	31.2	36.6
Passenger cars	6.2	6.7
Average operating expenses per train mile	\$2.62	\$2.71
Average length of haul (Rev.Fr.) Miles	471.3	398.9
Average passenger journey Miles	64.0	67.9
Average tons per loaded freight car mile	27.1	24.7
Average freight receipt per revenue ton mile	.911¢	1.028¢
Average passenger receipt per passenger per mile	2.469¢	2.695¢
Ratio of pay roll to operating revenues	55.5%	58.4%
Ratio of operating expenses to revenues	86.17%	85.39%

- Contains a proportion of mixed train miles.





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

For the Month of March, 1933

OPERATING REVENUES

	<u>1933</u>	<u>1932</u>
Canadian Lines	\$9,833,713.00	\$12,219,405.00
Duluth, Winnipeg and Pacific	50,190.00	81,022.00
Grand Trunk Western	1,085,180.00	1,403,316.00
New England Lines	74,341.00	91,048.00
Central Vermont	355,791.00	460,714.00
Total	<u>11,399,215.00</u>	<u>14,255,505.00</u>

OPERATING EXPENSES

Canadian Lines	\$10,090,966.90	\$11,881,979.43
Duluth, Winnipeg and Pacific	77,220.41	87,075.84
Grand Trunk Western	1,043,178.98	1,250,103.19
New England Lines	98,692.03	135,216.95
Central Vermont	344,463.84	404,229.82
Total	<u>11,654,522.16</u>	<u>13,758,605.23</u>

NET OPERATING REVENUES

Canadian Lines	Dr. \$257,253.90	337,425.57
Duluth, Winnipeg and Pacific	Dr. 27,030.41	Dr. 6,053.84
Grand Trunk Western	42,001.02	153,212.81
New England Lines	Dr. 24,351.03	Dr. 44,168.95
Central Vermont	11,327.16	56,484.18
Total	Dr. <u>255,307.16</u>	<u>496,899.77</u>

OPERATING INCOME

Canadian Lines	Dr. \$553,421.10	\$86,976.62
Duluth, Winnipeg and Pacific	Dr. 11,311.75	6,460.29
Grand Trunk Western	Dr. 167,984.54	Dr. 77,067.05
New England Lines	Dr. 73,822.95	Dr. 99,725.94
Central Vermont	Dr. 2,069.37	26,584.06
Total	Dr. <u>808,609.71</u>	Dr. <u>56,772.02</u>

S U M M A R Y

For Three Months ended March 31st

ALL RAILWAYS

Operating revenues	\$55,042,743.58	\$69,438,628.26
Operating expenses	55,569,927.87	66,527,120.10
Net operating revenue	Dr. 527,184.29	2,911,508.16
Operating income	Dr. 3,365,636.50	300,818.11

CANADIAN NATIONAL RAILWAYS

Operating Revenues - Canadian Lines	\$25,670,776.00	\$33,762,283.00
United States Lines	4,907,251.00	5,893,021.00
Total	<u>30,578,027.00</u>	<u>39,655,304.00</u>
Operating Expenses - Canadian Lines	29,853,088.52	35,335,984.86
United States Lines	4,748,182.03	5,648,870.87
Total	<u>34,601,270.55</u>	<u>40,984,855.73</u>
Net Operating Revenue - Canadian Lines	Dr. 4,182,312.52	Dr. 1,573,701.86
United States Lines	159,068.97	244,150.13
Total	Dr. <u>4,023,243.55</u>	Dr. <u>1,329,551.73</u>
Operating Income - Canadian Lines	Dr. 5,114,414.03	Dr. 2,392,312.75
United States Lines	Dr. 608,857.81	Dr. 631,021.47
Total	Dr. <u>5,723,271.84</u>	Dr. <u>3,023,334.22</u>

CANADIAN PACIFIC RAILWAY

Operating revenue	\$23,553,603.80	\$28,383,330.76
Operating expenses	21,205,539.71	25,452,660.68
Net operating revenue	2,348,064.09	2,930,670.08
Operating income	1,297,479.44	2,017,415.30



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