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C A N A D A
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
JUNE
1932



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



OTTAWA

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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 JUNE, 1932

Gross revenues of Canadian railways for June amounted to \$24,813,490 compared with \$30,267,861 in 1931, a decrease of \$5,454,371, or 18 per cent. Operating expenses were reduced \$6,946,829, or to \$21,653,804 from \$28,600,633 which increased the net operating revenue by \$1,492,458, or to \$3,159,686. A decrease of \$4,068,080, or 21.3 per cent in the pay roll is shown for a reduction in the number of employees from 153,322 to 124,601. This included all the flat reductions of 10 per cent in pay made in December, March, April and May.

For the six months, January - June, gross revenues were \$141,505,446 in 1932 and \$176,550,304 in 1931, and net operating revenues were \$11,027,627 in 1932 and \$9,962,814 in 1931.

EASTERN LINES - CANADIAN NATIONAL RAILWAYS: Gross revenues amounting to \$1,360,634 were less than in 1931 by \$520,283, or 27.7 per cent, but with operating expenses reduced from \$2,932,620 to \$1,852,577, or by \$1,080,043 the net operating revenue debit was reduced from \$1,051,703 to \$491,943, or by \$559,760. The largest reduction in operating expenses was \$592,410, or 53.9 per cent in maintenance of way and structures.

For the six months, January - June, gross revenues were \$9,984,670 in 1932 and \$12,673,276 in 1931 and operating expenses were \$11,772,976 in 1932 and \$16,253,204 in 1931. The operating income debit was \$2,430,075 in 1932 and \$4,105,154 in 1931.

CANADIAN NATIONAL RAILWAYS: (Canadian Lines exclusive of Eastern Lines):- With a reduction in freight traffic of 11.8 per cent and in passenger traffic of 20.5 per cent, gross revenues were reduced from \$12,635,376 in June 1931 to \$10,665,728 in 1932. Operating expenses were reduced from \$12,770,911 to \$9,420,040, and the net operating revenue was increased from a debit of \$135,535 to a credit of \$1,245,688. The Grand Trunk Western Lines showed a decrease in net operating revenues from \$210,927 to a debit of \$53,054, but the other United States Lines showed improvements and the total for the system amounted to \$1,227,856 as compared with a debit of \$105,005 in June 1931.

For the six months the gross revenues of the Canadian Lines amounted to \$58,872,056 in 1932 and \$72,250,496 in 1931 and the operating income was \$1,212,083 in 1932 and a debit of \$799,675 in 1931. For the system gross revenues amounted to \$70,187,818 and the operating income to a loss of \$152,295 as against \$88,275,626 and a loss of \$1,702,891 respectively in 1931.

CANADIAN PACIFIC RAILWAY: With a decrease of \$2,182,474, or 20.8 per cent in gross revenues, or from \$12,666,748 to \$10,484,274, and a reduction of \$1,889,974 in operating expenses, or from \$10,447,744 to \$8,557,769, the net operating revenue was reduced from \$2,219,004 in June 1931 to \$1,926,505 and the operating income from \$1,919,824 to \$1,578,616.

For January - June gross revenues amounted to \$57,897,348, operating expenses to \$50,672,071 and the operating income to \$5,251,879 as compared with \$72,155,195, \$63,421,911 and \$6,806,359 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 June, 1932

	1932	1931
<u>OPERATING REVENUES</u>		
Freight	\$17,955,530.45	\$21,589,362.56
Passenger	3,299,342.63	4,339,070.72
Mail	556,404.86	604,398.17
Express	1,191,126.39	1,411,076.21
Other freight train	3,601.70	1,351.05
Other passenger train	432,959.68	552,678.50
Water line	145,727.04	184,171.93
All other	1,228,797.20	1,585,751.89
Total railway operating revenues	24,813,489.95	30,267,861.03
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$4,976,935.15	\$7,481,102.65
Maintenance of equipment	4,137,232.01	5,725,091.92
Traffic	1,110,598.29	1,459,472.55
Transportation	10,214,510.81	12,605,646.36
Miscellaneous operations	262,550.66	376,837.28
General	973,907.81	1,061,748.42
Trans. for investment	21,931.08	109,266.34
Total railway operating expenses	21,653,803.65	28,600,632.84
<u>OPERATING INCOME</u>		
Net operating revenue	\$3,159,686.30	\$1,667,228.19
Railway tax accruals	694,954.80	752,602.15
Uncollectable revenues	5,553.32	1,987.85
Hire of equipment	Dr. 137,871.43	Dr. 57,510.52
Joint facilities rents	Cr. 6,414.49	Cr. 18,308.39
Operating income	2,327,721.24	873,436.06
<u>OPERATING STATISTICS</u>		
Average miles of road operated	42,233.56	41,971.98
No. of tons carried (Rev.Fr.)	5,244,563	7,180,426
No. of tons carried one mile " "	2,023,059.884	2,207,754.547
No. of tons carried one mile (All Fr.)	2,256,623.406	2,486,712.417
Gross ton miles, excl. of locomotive & tender	5,131,348.173	5,694,849.858
No. of revenue passengers carried	1,702,537	2,055,360
No. of revenue passengers carried one mile	129,365.486	159,885.397
# Freight train miles	3,703,099	4,044,896
# Passenger train miles	3,170,511	3,742,763
Total train miles (Rev. & Non Rev.)	6,971,765	7,968,668
Freight car miles - loaded	84,021,882	96,515,576
Freight car miles - empty	47,258,676	52,099,400
Passenger train car miles	23,408,674	26,552,315
Total amount of pay roll	\$15,041,751.94	\$19,109,832.46
Number of employees	124,601	153,322
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$19.58	\$24.04
Operating expenses	\$17.09	\$22.71
No. of tons moved one mile (Rev.Fr.)	1,597	1,753
No. of tons moved one mile (All Fr.)	1,781	1,975
No. of rev. passengers carried one mile	102	127
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.85	\$5.34
No. of tons of freight (Rev.Fr.)	546.3	545.8
No. of tons of freight (All Fr.)	609.4	614.8
Gross ton miles	1,385.7	1,407.9
Loaded freight cars	22.7	23.9
Empty freight cars	12.8	12.9
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.73	\$1.85
Passengers carried	40.8	42.7
Passenger cars	7.4	7.3
Average operating expenses per train mile	\$3.11	\$3.59
Average length of haul (Rev.Fr.) Miles	385.7	307.5
Average passenger journey Miles	76.0	77.8
Average tons per loaded freight car mile	26.9	25.8
Average freight receipt per revenue ton mile	.888¢	.973¢
Average passenger receipt per passenger per mile	2.550¢	2.714¢
Ratio of pay roll to operating revenues	60.6%	63.1%
Ratio of operating expenses to revenues	87.27%	94.49%
# - Contains a proportion of mixed train miles.		

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the Month of June, 1932

	1932	1931
<u>OPERATING REVENUES</u>		
Freight xx	\$863,333.00	\$1,226,095.00
Passenger	222,191.00	306,404.00
Mail	56,310.00	64,527.00
Express	97,357.00	139,459.00
Other freight train		
Other passenger train	31,789.35	38,004.98
Water line		
All other	89,653.64	106,427.02
Total railway operating revenues	1,360,634.00	1,830,017.00
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$506,711.44	\$1,099,120.58
Maintenance of equipment	313,632.31	513,199.08
Traffic	57,507.64	71,169.82
Transportation	829,878.98	1,087,223.37
Miscellaneous operations	17,414.86	26,509.82
General	128,082.87	141,077.61
Trans. for investment	Cr. 651.56	Cr. 5,680.46
Total railway operating expenses	1,852,576.57	2,932,619.33
<u>OPERATING INCOME</u>		
Net operating revenue	Dr. \$491,942.57	Dr. \$1,051,702.33
Railway tax accruals	24,913.25	23,158.34
Uncollectable revenues	656.82	70.60
Hire of equipment	Dr. 88,815.72	Dr. 62,426.38
Joint facilities rents	Cr. 523.68	Dr. 1,873.04
Operating income	Dr. 605,804.68	Dr. 1,141,231.19
<u>OPERATING STATISTICS</u>		
Average miles of road operated	3,342.37	3,342.39
No. of tons carried (Rev. Fr.)	262,264	379,514
No. of tons carried one mile " "	71,455.936	95,228.774
No. of tons carried one mile (All Fr.)	79,061.103	114,706.748
Gross ton miles, excl. of locomotive & tender	204,404.239	274,198.448
No. of revenue passengers carried	191,328	217,261
No. of revenue passengers carried one mile	9,067.264	12,119.746
# Freight train miles	220,876	280,961
# Passenger train miles	242,322	311,198
Total train miles (Rev. & Non Rev.)	465,713	614,653
Freight car miles - loaded	4,000,076	5,302,734
Freight car miles - empty	1,435,813	1,872,758
Passenger train car miles	1,747,516	2,064,339
Total amount of pay roll	\$1,081,712	\$1,519,112
Number of employees	10,191	13,951
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$13.57	\$18.76
Operating expenses	\$18.48	\$29.23
No. of tons moved one mile (Rev. Fr.)	713	950
No. of tons moved one mile (All Fr.)	788	1,104
No. of rev. passengers carried one mile	90	121
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$3.91	\$4.36
No. of tons of freight (Rev. Fr.)	323.5	338.9
No. of tons of freight (All Fr.)	357.9	408.3
Gross ton miles	925.4	975.9
Loaded freight cars	18.1	18.9
Empty freight cars	6.5	6.7
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.68	\$1.76
Passengers carried	37.4	38.9
Passenger cars	7.2	6.6
Average operating expenses per train mile	\$3.98	\$4.77
Average length of haul (Rev. Fr.) Miles	272.5	250.9
Average passenger journey Miles	47.4	55.8
Average tons per loaded freight car mile	19.8	21.6
Average freight receipt per revenue ton mile	1.208¢	1.238¢
Average passenger receipt per passenger per mile	2.450¢	2.523¢
Ratio of pay roll to operating revenues	79.1%	84.1%
Ratio of operating expenses to revenues	136.16%	155.91%
xx - Including account Maritime Freight Rates Act	\$117,000.00	\$160,000.00
# - Contains a proportion of mixed train miles.		

OPERATING REVENUES, EXPENSES & STATISTICS
CANADIAN NATIONAL RAILWAYS
For the Month of June, 1932

	1932	1931
<u>OPERATING REVENUES</u>		
Freight	\$7,883,265.00	\$9,169,596.75
Passenger	1,170,537.00	1,548,500.88
Mail	168,083.41	198,778.65
Express	744,285.20	840,485.85
Other freight train	•••	131.82
Other passenger train	126,478.57	146,078.91
Water line	•••	•••
All other	573,078.82	731,503.24
Total railway operating revenues	10,665,728.00	12,635,376.00
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$2,150,311.15	\$3,272,146.17
Maintenance of equipment	1,912,708.33	2,794,291.02
Traffic	366,665.22	493,056.00
Transportation	4,488,762.13	5,630,352.53
Miscellaneous operations	79,380.19	121,241.33
General	433,353.28	491,289.75
Trans. for investment	Cr. 11,140.09	Cr. 51,445.38
Total railway operating expenses	9,420,040.21	12,770,911.42
<u>OPERATING INCOME</u>		
Net operating revenue	\$1,245,687.79	Dr. \$135,535.42
Railway tax accruals	257,353.10	297,701.57
Uncollectable revenues	4,343.16	1,886.16
Hire of equipment	Cr. 81,981.60	Cr. 132,813.61
Joint facilities rents	Cr. 72,523.80	Cr. 78,305.04
Operating income	1,138,496.93	Dr. 224,004.50
<u>OPERATING STATISTICS</u>		
Average miles of road operated	18,713.88	18,568.80
No. of tons carried (Rev.Fr.)	2,087,769	2,723,142
No. of tons carried one mile " "	891,462,283	1,011,029,783
No. of tons carried one mile (All Fr.)	976,047,512	1,118,461,868
Gross ton miles, excl. of locomotive & tender	2,219,216,990	2,543,764,590
No. of revenue passengers carried	662,852	804,709
No. of revenue passengers carried one mile	44,171,759	55,569,723
# Freight train miles	1,503,731	1,662,670
# Passenger train miles	1,172,001	1,490,247
Total train miles (Rev. & Non Rev.)	2,717,009	3,224,404
Freight car miles - loaded	36,019,135	42,403,233
Freight car miles - empty	21,755,073	24,169,833
Passenger train car miles	8,738,232	10,072,899
Total amount of pay roll	\$6,579,534	\$9,211,130
Number of employees	55,932	70,487
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$19.00	\$22.68
Operating expenses	\$16.78	\$22.93
No. of tons moved one mile (Rev.Fr.)	1,588	1,815
No. of tons moved one mile (All Fr.)	1,739	2,008
No. of rev. passengers carried one mile	79	100
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.24	\$5.52
No. of tons of freight (Rev.Fr.)	592.8	608.1
No. of tons of freight (All Fr.)	649.1	672.7
Gross ton miles	1,475.8	1,529.9
Loaded freight cars	24.0	25.5
Empty freight cars	14.5	14.5
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenue	\$1.89	\$1.83
Passengers carried	37.7	37.3
Passenger cars	7.5	6.8
Average operating expenses per train mile	\$3.47	\$3.96
Average length of haul (Rev.Fr.) Miles	427.0	371.3
Average passenger journey Miles	66.6	69.1
Average tons per loaded freight car mile	27.1	26.4
Average freight receipt per revenue ton mile	.884¢	.907¢
Average passenger receipt per passenger per mile	2.650¢	2.787¢
Ratio of pay roll to operating revenues	61.7%	72.9%
Ratio of operating expenses to revenues	88.32%	101.07%

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RAILWAY

For the Month of June, 1932

	1932	1931
<u>OPERATING REVENUES</u>		
Freight	\$7,499,867.12	\$9,001,613.92
Passenger	1,568,481.29	1,926,049.58
Mail	295,412.41	302,866.83
Express	261,420.51	295,943.06
Other freight train	2,883.80	1,157.68
Other passenger train	261,334.65	353,382.05
Water line	116,243.61	155,052.19
All other	478,630.54	630,682.26
Total railway operating revenues	10,484,273.93	12,666,747.57
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,917,795.52	\$2,512,494.20
Maintenance of equipment	1,511,142.58	1,874,066.25
Traffic	618,131.58	813,241.20
Transportation	4,102,245.26	4,820,961.90
Miscellaneous operations	130,018.40	177,406.75
General	286,310.66	290,945.73
Trans. for investment	Cr. 7,874.64	Cr. 41,372.23
Total railway operating expenses	8,557,769.36	10,447,743.80
<u>OPERATING INCOME</u>		
Net operating revenue	\$1,926,504.57	\$2,219,003.77
Railway tax accruals	359,847.04	354,768.01
Uncollectable revenues	568.86	...
Hire of equipment	Cr. 23,349.66	Cr. 53,913.11
Joint facilities rents	Dr. 10,822.09	Cr. 1,674.69
Operating income	1,578,616.24	1,919,823.56
<u>OPERATING STATISTICS</u>		
Average miles of road operated	16,902.8	16,780.4
No. of tons carried (Rev.Fr.)	1,801,663	2,400,480
No. of tons carried one mile " "		
No. of tons carried one mile (All Fr.)	1,069,506.684	1,078,664.994
Gross ton miles, excl. of locomotive & tender	2,252,082.928	2,329,130.398
No. of revenue passengers carried	645,539	758,959
No. of revenue passengers carried one mile	63,140.522	72,820.099
# Freight train miles	1,626,966	1,711,704
# Passenger train miles	1,503,233	1,609,270
Total train miles (Rev. & Non Rev.)	3,165,300	3,365,596
Freight car miles - loaded	35,758,660	39,053,402
Freight car miles - empty	18,776,968	19,401,805
Passenger train car miles	10,588,893	11,486,856
Total amount of pay roll	\$5,996,985.68	\$7,113,736.61
Number of employees	51,105	60,054
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$20.68	\$25.16
Operating Expenses	\$16.88	\$20.75
No. of tons moved one mile (Rev.Fr.)		
No. of tons moved one mile (All Fr.)	2,109	2,143
No. of rev. passengers carried one mile	125	145
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$4.61	\$5.26
No. of tons of freight (Rev.Fr.)		
No. of tons of freight (All Fr.)	657.4	630.2
Gross ton miles	1,384.2	1,350.7
Loaded freight cars	22.0	22.8
Empty freight cars	11.5	11.3
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$1.59	\$1.79
Passengers carried	42.0	45.3
Passenger cars	7.0	7.1
Average operating expenses per train mile	\$2.70	\$3.10
Average length of haul (Rev.Fr.) Miles		
Average passenger journey Miles	97.8	95.9
Average tons per loaded freight car mile	29.9	27.6
Average freight receipt per revenue ton mile		
Average passenger receipt per passenger per mile	2.484¢	2.645¢
Ratio of pay roll to operating revenues	57.2%	56.2%
Ratio of operating expenses to revenues	81.62%	82.48%

- Contains a proportion of mixed train miles

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CANADIAN NATIONAL SYSTEM
 (Steam Lines in Canada & United States)
 For the Month of June, 1932

<u>OPERATING REVENUES</u>		
	1932	1931
Canadian Lines	\$10,665,723.00	\$12,635,376.00
Duluth, Winnipeg and Pacific	71,801.00	87,425.00
Grand Trunk Western	1,100,544.00	1,832,342.00
New England Lines	129,743.00	117,518.00
Central Vermont Railway	469,260.00	563,569.00
Total	<u>12,437,076.00</u>	<u>15,236,230.00</u>
<u>OPERATING EXPENSES</u>		
Canadian Lines	\$9,420,040.21	\$12,770,911.42
Duluth, Winnipeg and Pacific	100,093.00	131,358.37
Grand Trunk Western	1,153,597.77	1,621,414.64
New England Lines	115,641.78	198,460.36
Central Vermont Railway	419,847.08	618,590.49
Total	<u>11,209,219.84</u>	<u>15,341,235.28</u>
<u>NET OPERATING REVENUE</u>		
Canadian Lines	\$1,245,687.79	Dr. \$135,535.42
Duluth, Winnipeg and Pacific	Dr. 28,292.00	Dr. 44,433.37
Grand Trunk Western	Dr. 53,053.77	210,927.36
New England Lines	14,101.22	Dr. 30,942.36
Central Vermont Railway	49,412.92	Dr. 55,021.49
Total	<u>1,227,856.16</u>	<u>Dr. 105,005.23</u>
<u>OPERATING INCOME</u>		
Canadian Lines	\$1,138,496.93	Dr. \$224,004.50
Duluth, Winnipeg and Pacific	Dr. 13,890.19	Dr. 47,887.76
Grand Trunk Western	Dr. 205,623.69	Dr. 47,893.45
New England Lines	Dr. 40,895.71	Dr. 135,722.70
Central Vermont Railway	19,778.65	Dr. 64,569.16
Total	<u>897,865.99</u>	<u>Dr. 520,077.57</u>

S U M M A R Y
 For Six Months ended June 30th
ALL RAILWAYS

Operating revenues	\$141,505,446.43	\$176,550,304.24
Operating expenses	130,477,819.77	166,587,490.19
Net operating revenues	11,027,626.66	9,962,814.05
Operating income	5,756,064.27	4,605,975.04

<u>CANADIAN NATIONAL RAILWAYS</u>		
Operating revenues - Canadian Lines	\$58,872,056.00	\$72,250,496.55
# United States Lines	11,315,762.00	16,025,129.45
Total	<u>70,187,818.00</u>	<u>88,275,626.00</u>
Operating expenses - Canadian Lines	56,703,534.02	72,166,990.69
# United States Lines	11,075,609.53	14,779,600.03
Total	<u>67,779,143.55</u>	<u>86,946,590.72</u>
Net operating revenues - Canadian Lines	2,168,521.98	83,505.86
# United States Lines	240,152.47	1,245,529.42
Total	<u>2,408,674.45</u>	<u>1,329,035.28</u>
Operating income - Canadian Lines	1,212,083.42	Dr. 799,675.40
# United States Lines	Dr. 1,364,378.89	Dr. 90,215.53
Total	<u>Dr. 152,295.47</u>	<u>Dr. 1,701,890.93</u>

<u>CANADIAN NATIONAL RAILWAYS - EASTERN LINES</u>		
Operating revenues	\$9,984,670.00	\$12,673,276.00
Operating expenses	11,772,976.05	16,253,204.02
Net operating revenues	Dr. 1,788,306.05	Dr. 3,579,928.02
Operating income	Dr. 2,430,075.34	Dr. 4,305,153.98

<u>CANADIAN PACIFIC RAILWAY</u>		
Operating revenues	\$57,897,348.14	\$72,155,195.46
Operating expenses	50,672,070.65	63,421,911.15
Net operating revenues	7,225,277.49	8,733,284.31
Operating income	5,251,879.27	6,806,359.12

- Including Central Vermont Railway.



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