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DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OPERATING REVENUES EXPENSES & STATISTICS

of

RAILWAYS

With Annual Operating Revenues of \$500,000

For

JANUARY

1924

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Published by Authority of the Hon. Thos. A. Law, M. P.,

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OTTAWA

1924

History of the City

DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OTTAWA

Dominion Statistician, R.H. Coats, B.A., F.S.S., F.R.S.C.
Chief, Transportation Branch, C.S. Wrong, E.Sc.

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000.

For the Month of January, 1924

The railways as a whole showed practically no change in operating revenues from last year. A saving was effected however, in operating expenses of \$1,136,757 which increased the net operating revenue by \$1,076,030 and reduced the operating ratio from 97.92 per cent to 94.69 per cent. Freight traffic fell off 4.5 per cent which reduced freight revenues by \$494,728 or 2 per cent. Passenger traffic showed an increase of 4 per cent with an increase in passenger revenues of \$378,416, or 7 per cent. The total pay roll was cut by \$118,359, or .6 per cent for a reduction of 1,803 in the number of employees.

Average train loading declined from 542.4 net tons to 527.3 net tons and the average car load also was less by .7 ton. The average receipts per ton mile showed a slight increase from .941 cent to .967 cent.

CANADIAN NATIONAL RAILWAYS (Canadian Lines) turned an operating deficit of \$963,137 for January 1923 into a net operating revenue of \$16,989 which was a betterment of \$980,126.

Freight traffic fell off 12.1 per cent and freight revenue declined \$568,072 or 4.8 per cent. With increased passenger traffic of 3.7 per cent, passenger receipts were increased \$176,414, or 7.6 per cent and with the exception of mail revenues, all other revenues also showed increases. Cuts were effected in maintenance of way and structures expenses of \$467,003, or 17 per cent, in transportation expenses of \$947,163, or 10 per cent and in general expenses of \$40,856, or 7.5 per cent, reducing total operating expenses by \$1,269,809, or 7.6 per cent and reducing the operating ratio from 106.10 per cent for January 1923 to 99.89 per cent.

Average train loading showed a decrease of 13.1 net tons and the average load per car, a decrease of 1.3 tons of revenue freight.

Canadian National lines in Canada and the United States, (see page 6) showed an improvement in net operating revenues of \$1,029,542 with a decrease of \$294,413, or 1.5 per cent in gross operating revenues and a reduction of \$1,323,955, or 7 per cent in operating expenses.

CANADIAN PACIFIC RAILWAY - Commencing with this report, the data for the Canadian Pacific Railway will include revenues, expenses, etc. of the Canadian Pacific Railway only and not those of the Montreal and Atlantic and Esquimalt and Nanaimo railways as in previous reports. These railways, however, are included with "All Railways". The 1923 data of the Canadian Pacific Railway has been re-stated and is comparable with the 1924 data.

Freight revenues showed an increase of \$215,613, or 2.4 per cent for an increase of 4.6 per cent in revenue ton miles and with a decrease in transportation expenses of \$221,438, or 3.4 per cent. Passenger revenues also increased \$121,129, or 5.7 per cent for an increase of 3.8 per cent in passenger traffic.

Total revenues were increased by \$286,641, or 2.2 per cent and total operating expenses by \$80,445, or .6 per cent which increased the net operating revenues by \$206,195 and reduced the operating ratio from 96.08 per cent for January 1923 to 94.59 per cent. The pay roll was increased \$260,329, or 3.8 per cent for an increase of 2.6 per cent in the number of employees.

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ERRATA

Page 1, paragraph 3 of Summary Report for 1923, last line reads. "14,460 bushels during 1922"
Should read. "14,460,000 bushels during 1922"

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

With Annual Operating Revenues of \$500,000

For the Month of January, 1924

	1924	1923
OPERATING REVENUES		
Freight	\$23,932,311.85	\$24,427,040.24
Passenger	5,725,095.12	5,346,678.32
Mail	610,502.90	617,172.60
Express	1,331,285.95	1,301,453.22
Other Freight Train	10,865.90	7,017.02
Other Passenger Train	440,742.39	427,029.22
Water Line	45,236.93	49,870.42
All Other	1,235,390.01	1,214,897.15
Total Railway Operating Revenues	33,331,431.10	33,391,158.19
OPERATING EXPENSES		
Maint. of Way and Structures	\$4,504,840.21	\$4,839,251.58
Maint. of Equipment	8,003,334.91	7,594,444.93
Traffic	1,114,597.28	1,067,781.23
Transportation	16,626,588.54	17,852,887.45
Misc. Operations	376,762.57	363,924.98
General	963,689.34	1,018,176.69
Trans. for Investment	Cr. 29,826.65	Cr. 40,723.21
Total Railway Operating Expenses	31,559,986.20	32,695,743.65
OPERATING INCOME		
Net Operating Revenue	\$1,771,444.90	\$695,414.54
Railway Tax Accruals	590,650.17	546,003.58
Uncollectable Revenues	1,141.44	8,527.70
Hire of Equipment	Cr. 156,744.32	Cr. 515,292.30
Joint Facilities Rents	68,149.02	126,439.11
Operating Income	1,268,248.59	529,736.45
OPERATING STATISTICS		
Average Miles of Road Operated	38,585.07	38,486.00
No. of Tons Carried (Rev.Fr.)	8,027,883	9,046,569
No. of Tons Carried One Mile " "	2,473,894.926	2,595,847.611
No. of Tons Carried (All Fr.)	9,408,633	10,749,745
No. of Tons Carried One Mile " "	2,772,667.765	2,924,801.060
No. of Revenue Pass. Carried	3,241,230	3,339,992
No. of Revenue Pass. Carried One Mile	190,917.340	182,649.412
# Freight Train Miles	5,258,638	5,392,339
# Passenger Train Miles	3,805,136	3,687,050
Total Train Miles (Rev. & Non Rev.)	9,339,292	9,362,845
Freight Car Miles-Loaded	104,718,644	107,414,068
Freight Car Miles-Empty	51,213,111	50,193,742
Passenger Train Car Miles	25,559,589	24,467,630
Total Amount of Pay Roll	\$19,015,214.05	\$19,133,573.75
Number of Employees	152,153	153,956
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating Revenues	\$27.86	\$27.99
Operating Expenses	\$26.38	\$27.40
No. of Tons Moved One Mile (Rev.Fr.)	2,068	2,176
No. of Tons Moved One Mile (All Fr.)	2,318	2,452
No. of Rev. Pass. Carried One Mile	160	153
#AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenues	\$4.55	\$4.53
No. of Tons of Freight (Rev.Fr.)	470.4	481.4
No. of Tons of Freight (All Fr.)	527.3	542.4
Loaded Freight Cars	19.9	19.9
Empty Freight Cars	9.7	9.3
#AVERAGES PER PASSENGER TRAIN MILE		
Passenger Train Revenues	\$2.13	\$2.09
Passengers Carried	50.1	49.5
Passenger Cars	6.7	6.6
Average Operating Expenses per train mile	\$3.38	\$3.49
Average Length of Haul (Rev.Fr.) Miles	308.2	286.9
Average Passenger Journey Miles	58.9	54.7
Average Tons per Loaded Freight Car	26.5	27.2
Av. Freight Receipt per Rev. Ton Mile	.967¢	.941¢
Av. Passenger Receipt per Pass. per Mile	2.978¢	2.927¢
Ratio of Pay Roll to Operating Revenues	57.0%	57.3%
Ratio of Pay Roll to Operating Expenses	60.3%	58.5%
Ratio of Operating Expenses to Revenues	94.69%	97.92%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RYS.

For the Month of January, 1924

	1924	1923
<u>OPERATING REVENUES</u>		
Freight	\$11,210,631.28	\$11,778,704.01
Passenger	2,492,066.75	2,315,652.64
Mail	257,377.55	264,233.20
Express	796,273.45	758,254.38
Other Freight Train	3,922.11	2,500.00
Other Passenger Train	183,106.18	169,606.33
Water Line	-	-
All Other	562,727.87	506,836.75
Total Railway Operating Revenues	15,506,105.19	15,795,787.31
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$2,273,087.69	\$2,740,090.83
Maint. of Equipment	3,737,164.22	3,595,245.89
Traffic	351,712.24	350,082.98
Transportation	3,481,644.12	9,428,808.04
Misc. Operations	163,464.25	141,630.55
General	502,373.40	543,229.52
Trans. for Investment	Cr. 20,330.64	Cr. 40,163.47
Total Railway Operating Expenses	15,489,115.28	16,758,924.34
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$16,989.91	Dr. \$963,137.03
Railway Tax Accruals	218,558.99	197,702.61
Uncollectable Revenues	997.28	8,291.66
Hire of Equipment	Cr. 118,962.43	Cr. 307,871.82
Joint Facilities Rents	Cr. 20,679.13	Cr. 9,925.59
Operating Income	Dr. 62,924.80	Dr. 851,333.89
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,510.61	20,461.75
No. of Tons Carried (Rev. Fr.)	3,393,108	3,936,864
No. of Tons Carried One Mile " "	1,159,655,595	1,319,316,389
No. of Tons Carried (All Fr.)	4,075,261	4,724,707
No. of Tons Carried One Mile " "	1,320,146,232	1,493,434,646
No. of Revenue Pass. Carried	1,664,916	1,775,535
No. of Revenue Pass. Carried One Mile	86,140,506	83,067,306
# Freight Train Miles	2,473,563	2,731,406
# Passenger Train Miles	1,773,392	1,733,335
Total Train Miles (Rev. & Non Rev.)	4,406,286	4,663,922
Freight Car Miles-Loaded	49,812,276	53,799,406
Freight Car Miles-Empty	24,374,689	26,747,468
Passenger Train Car Miles	11,780,353	11,193,661
Total Amount of Pay Roll	\$10,308,790.66	\$10,621,920.40
Number of Employees	84,709	87,980
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$24.39	\$24.90
Operating Expenses	\$24.36	\$26.42
No. of Tons Moved One Mile (Rev. Fr.)	1,824	2,080
No. of Tons Moved One Mile (All Fr.)	2,076	2,354
No. of Rev. Pass. Carried One Mile	135	131
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.53	\$4.31
No. of Tons of Freight (Rev. Fr.)	468.8	483.0
No. of Tons of Freight (All Fr.)	533.7	546.8
Loaded Freight Cars	20.1	19.7
Empty Freight Cars	9.9	9.8
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenues	\$2.00	\$2.02
Passengers Carried	47.6	47.8
Passenger Cars	5.6	6.4
Average Operating Expenses per train mile	\$3.52	\$3.59
Average Length of Haul (Rev. Fr.) Miles	341.8	335.1
Average Passenger Journey Miles	51.7	46.8
Average Tons per Loaded Freight Car	26.5	27.8
Av. Fr. Receipt per Rev. Ton Mile	.967%	.893%
Av. Passenger Receipt per Pass. per Mile	2.893%	2.787%
Ratio of Pay Roll to Operating Revenues	66.5%	67.2%
Ratio of Pay Roll to Operating Expenses	66.6%	63.4%
Ratio of Operating Expenses to Revenues	99.89%	106.10%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICSCANADIAN PACIFIC RY.

For the Month of January, 1924

1924

1923

OPERATING REVENUES

Freight	\$9,312,965.80	\$9,097,351.93
Passenger	2,238,633.72	2,117,509.09
Mail	303,299.78	306,507.87
Express	439,376.01	433,193.10
Other Freight Train	5,298.84	4,472.02
Other Passenger Train	241,452.44	241,744.51
Water Line	45,236.98	49,870.42
All Other	518,366.16	562,344.63
Total Railway Operating Revenues	13,104,634.74	12,817,993.55

OPERATING EXPENSES

Maint. of Way and Structures	\$1,565,274.22	\$1,475,728.15
Maint. of Equipment	3,421,088.18	3,203,099.49
Traffic	680,221.84	653,714.74
Transportation	6,248,360.14	6,469,798.84
Misc. Operations	154,349.86	183,437.72
General	308,328.91	329,398.73
Trans. for Investment	-	-
Total Railway Operating Expenses	12,395,623.15	12,315,177.67

OPERATING INCOME

Net Operating Revenue	\$ 709,011.59	\$ 502,815.88
Railway Tax Accruals	282,022.80	270,455.50
Uncollectable Revenues	-	-
Hire of Equipment	Cr. 381,806.99	Cr. 489,286.90
Joint Facilities Rents	Cr. 51,603.57	1,621.07
Operating Income	860,399.35	720,026.21

OPERATING STATISTICS

Average Miles of Road Operated	13,622.6	13,536.1
No. of Tons Carried (Rev.Fr.)	2,197,426	2,403,942
No. of Tons Carried One Mile " "	1,041,824.015	996,373.550
No. of Tons Carried (All Fr.)	2,789,486	3,224,183
No. of Tons Carried One Mile " "	1,170,961.256	1,144,324.229
No. of Revenue Pass. Carried	1,087,771	1,063,476
No. of Revenue Pass. Carried One Mile	75,001.990	72,224.848
Freight Train Miles	2,147,878	2,071,641
Passenger Train Miles	1,543,575	1,471,994
Total Train Miles (Rev. & Non Rev.)	3,777,833	3,605,834
Freight Car Miles-Loaded	40,867,294	40,348,316
Freight Car Miles-Empty	18,803,016	17,823,434
Passenger Train Car Miles	10,453,160	10,151,545
Total Amount of Pay Roll	\$7,030,483.12	\$6,770,154.03
Number of Employees	54,503	53,118

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operating Revenue	\$31.03	\$30.55
Operating Expenses	\$29.35	\$29.35
No. of Tons Moved One Mile (Rev.Fr.)	2,467	2,374
No. of Tons Moved One Mile (All Fr.)	2,773	2,727
No. of Rev. Passengers Carried One Mile	178	172

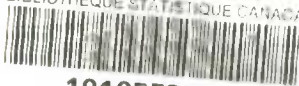
AVERAGES PER FREIGHT TRAIN MILE

Freight Revenue	\$4.34	\$4.40
No. of Tons of Freight (Rev.Fr.)	485.0	481.0
No. of Tons of Freight (All Fr.)	545.2	552.4
Loaded Freight Cars	13.0	19.5
Empty Freight Cars	7.8	8.6

AVERAGES PER PASSENGER TRAIN MILE

Passenger Train Revenues	\$2.09	\$2.11
Passengers Carried	48.6	49.1
Passenger Cars	6.8	6.9
Average Operating Expenses per train mile	\$3.28	\$3.42
Average Length of Haul (Rev.Fr.) Miles	474.1	414.5
Average Passenger Journey Miles	69.0	67.9
Average Tons Per Loaded Freight Car	28.7	28.4
Av. Fr. Receipt per Rev. Ton Mile	.894¢	.913¢
Av. Passenger Receipt per Pass. per mile	2.985¢	2.932¢
Ratio of Pay Roll to Operating Revenues	53.6%	52.8%
Ratio of Pay Roll to Operating Expenses	56.7%	55.0%
Ratio of Operating Expenses to Revenues	94.59%	96.08%

Contains a proportion of mixed train miles.



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CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada & United States)

For the Month of January, 1924

OPERATING REVENUES

	<u>1924</u>	<u>1923</u>
Canadian Lines	\$15,506,105.19	\$15,795,787.31
Duluth, Winnipeg & Pacific	210,259.00	213,473.26
Grand Trunk Western Lines	2,341,766.00	2,226,051.70
New England Lines	270,360.81	387,592.00
Total	18,328,491.00	18,622,904.27

OPERATING EXPENSES

Canadian Lines	\$15,489,115.28	\$16,758,924.34
Duluth, Winnipeg & Pacific	157,948.15	162,199.70
Grand Trunk Western Lines	1,924,323.68	1,853,224.05
New England Lines	307,687.20	428,681.51
Total	17,879,074.31	19,203,029.60

NET OPERATING REVENUES

Canadian Lines	\$16,989,91	Dr. 963,137.03
Duluth, Winnipeg & Pacific	52,310.85	51,273.50
Grand Trunk Western Lines	417,442.32	372,827.65
New England Lines	Dr. 37,326.39	Dr. 41,089.51
Total	449,416.69	Dr. 580,125.39