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DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OPERATING REVENUES EXPENSES AND STATISTICS

of

RAILWAYS

With Annual Operating Revenues of \$500,000

For

NOVEMBER

1923

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OTTAWA

1924

DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OTTAWA

Dominion Statistician, R.H. Coats, B.A., F.S.S., F.R.S.C.
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OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

For the Month of November, 1923

The railways carried more freight during November than in any other month in their history, making 9.3 per cent more revenue ton miles than during November, 1922 and although a shorter month, 2 per cent more than during October, 1923. The traffic, however, did not yield the revenue of the October traffic and earned only \$487,063, or 1.4 per cent more than in November, 1922. Passenger earnings however, were increased by \$658,190, or 10.4 per cent and the total revenues showed an increase of \$1,666,478, or 3.6 per cent. Operating expenses were reduced \$1,620,109, or 4.3 per cent increasing the net operating revenues by \$3,286,587 and reducing the operating ratio 6.1 points to 74.17 per cent. There was very little change in the number of employees but the pay roll showed an increase of 2.9 per cent, or \$579,892. The average receipts per passenger per mile declined from 2.875 cents to 2.865 cents and the greater quantity of low class freight carried, reduced the average receipts per ton mile from .859 cent to .797 cent.

For the eleven months, January - November, the revenues were increased \$26,600,457, operating expenses were increased \$14,493,386 and net operating revenues were increased \$12,107,071 reducing the operating ratio from 88.85 per cent for 1922 to 86.72 per cent.

CANADIAN NATIONAL RAILWAYS showed an increase in the freight traffic over November 1922 of 10 per cent, and over October, 1923 of one per cent, creating a new high record of 1,998,970,308 revenue ton miles. This record movement did not earn by \$151,570 the revenue earned last year. With the rates practically on a parity, this means that a greater proportion of the traffic in 1923 was low class freight than in 1922.

Total revenues were increased \$516,051, or 2.5 per cent by increased of \$329,859 in passenger receipts and \$415,750 in express revenues. Operating expenses however, were reduced \$2,300,548 by cutting maintenance of way and structures expenses \$1,156,506, or 32 per cent and maintenance of equipment \$1,099,170, or 21 per cent. Transportation expenses were also reduced \$257,290 or 2.7 per cent despite the increase in both freight and passenger traffic. The total pay roll increased only \$6,710 and the number of employees was reduced 2,337, or 2.5 per cent. Freight train loading was increased 82.2 revenue tons and 1.9 cars with the car loading increased from 26.9 tons to 28.6 tons. The average receipts per ton fell to .784 cent as compared with .871 cent for November 1922 and .869 for October 1923.

For the entire system including the lines in the United States, revenues for the month showed an increase of \$689,580, and with a cut in operating expenses of \$1,942,629, the net operating revenues were increased \$2,632,209.

For the period January - November, the Canadian lines showed an increase in the net operating revenues of \$7,934,342 and the United States lines an increase of \$2,896,145, making a total betterment in operating revenues of \$10,830,486.

CANADIAN PACIFIC RAILWAYS during November exceeded the record movement of freight for October despite the one day shorter month and created a new record for the system of 2,304,906,275 revenue ton miles being an increase over November, 1922 of 9.5 per cent. Passenger traffic also showed an increase over the previous year of 10.8 per cent and passenger revenues increased \$297,656, or 10.9 per cent. Freight revenues were increased by \$456,421, or 2.7 per cent and total revenues by \$924,385, or 4.3 per cent.

Operating expenses showed an increase of \$380,066, or 2.6 per cent, the prominent features being an increase in maintenance of way and structures of \$711,587, or 27.5 per cent and a reduction in transportation expenses of \$304,327, or 3.7 per cent, the latter being effected despite the substantial increases in traffic.

The maintenance expenses for way and structures January - November were \$2,395,400, or 9 per cent greater than for the corresponding period in 1922 and for equipment were \$1,783,193 or 6 per cent greater.

By holding the expenses down with increased revenues, the operating ratio was reduced to 67.21 per cent, or 1.13 points below November, 1922 and net operating revenues were increased \$544,318.

The average car load was increased from 32.2 tons for October and 32.3 tons for November, 1922 to 33.9 tons, and net tons per train showed a corresponding increase. The heavy movement of grain was undoubtedly the cause of this and also the main factor in reducing the average receipts per ton per mile to .745 cent as against .794 cent for November, 1922 and .812 cent for October, 1923.

For the eleven months, revenues showed an increase of \$6,131,391, or 3.5 per cent, but operating expenses were increased \$6,607,317, or 4.8 per cent reducing the operating revenues by \$475,925.

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

With Annual Operating Revenues of \$500,000.

For the Month of November, 1923

1923

1922

OPERATING REVENUES

Freight	\$36,417,738.91	\$35,930,675.40
Passenger	6,969,797.29	6,311,606.97
Mail	598,962.49	606,689.44
Express	1,974,736.71	1,629,247.25
Other Freight Train	12,411.12	12,981.32
Other Passenger Train	438,969.66	461,453.34
Water Line	409,473.44	401,603.40
All Other	1,718,576.35	1,519,930.32
Total Railway Operating Revenues	48,540,665.97	46,874,187.44

OPERATING EXPENSES

Maint. of Way & Structures	\$6,563,849.65	\$6,852,137.17
Maint. of Equipment	7,901,547.99	8,848,496.69
Traffic	1,355,244.49	1,117,359.79
Transportation	18,747,662.33	19,453,146.56
Misc. Operations	508,371.94	515,066.47
General	1,008,944.29	937,097.68
Trans. for Investment	Cr. 80,696.59	Cr. 98,271.26
Total Railway Operating Expenses	36,004,924.10	37,625,033.10

OPERATING INCOME

Net Operating Revenue	\$12,535,741.87	\$9,249,154.34
Railway Tax Accruals	1,711,686.74	1,678,942.47
Uncollectable Revenues	3,401.50	2,055.74
Hire of Equipment	Cr. 87,502.25	Cr. 423,323.18
Joining Facilities Rents	13,913.26	50,095.20
Operating Income	10,894,242.62	7,941,384.11

OPERATING STATISTICS

Average Miles of Road Operated	38,499	38,443
No. of Tons Carried (Rev. Fr.)	11,237,450	11,346,937
No. of Tons Carried One Mile " "	4,569,783.352	4,182,245.489
No. of Tons Carried (All Fr.)	12,657,282	13,354,326
No. of Tons Carried One Mile " "	4,835,545.104	4,582,545.663
No. of Revenue Pass. Carried	3,354,104	3,329,407
No. of Revenue Pass. Carried One Mile	243,240.524	219,557.953
Freight Train Miles	7,144,261	7,239,089
Passenger Train Miles	3,701,131	3,628,940
Total Train Miles (Rev. & Non Rev.)	11,055,344	11,083,229
Freight Car Miles-Loaded	160,117,392	158,829,097
Freight Car Miles-Empty	98,632,046	89,914,603
Passenger Train Car Miles	26,695,094	25,502,062
Total Amount of Pay Roll	\$20,786,501.51	\$20,206,608.83
Number of Employees	164,637	163,536

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operating Revenue	\$42.03	\$40.64
Operating Expenses	\$31.17	\$32.62
No. of Tons Moved One Mile (Rev. Fr.)	3,957	3,626
No. of Tons Moved One Mile (All Fr.)	4,187	3,973
No. of Rev. Pass. Carried One Mile	211	190

AVERAGES PER FREIGHT TRAIN MILE

Freight Revenue	\$5.10	\$4.97
No. of Tons of Freight (Rev. Fr.)	639.6	577.7
No. of Tons of Freight (All Fr.)	676.8	633.0
Loaded Freight Cars	22.4	21.9
Empty Freight Cars	13.8	12.4

AVERAGES PER FREIGHT TRAIN MILE

Passenger Train Revenues	\$2.70	\$2.48
Passengers Carried	65.7	60.5
Passenger Cars	7.2	7.0
Average Operating Expenses per train mile	\$3.26	\$3.39
Average Length of Haul (Rev. Fr.) Miles	406.7	368.6
Average Passenger Journey Miles	72.5	65.9
Average Tons per Loaded Freight Car	30.2	28.9
Av. Fr. Receipt per Rev. Ton Mile	.797¢	.852¢
Av. Passenger Receipt per Pass. per Mile	2.865¢	2.875¢
Ratio of Pay Roll to Operating Revenues	42.8%	43.3%
Ratio of Pay Roll to Operating Expenses	57.7%	53.7%
Ratio of Operating Expenses to Revenues	74.17%	80.27%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RY.

(Can. Gov., Can. Northern, Grand Trunk Pacific & Grand Trunk Railway)

For the Month of November, 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$15,668,735.60	\$15,820,306.14
Passenger	3,049,190.71	2,719,331.52
Rail	259,114.38	281,712.97
Express	1,417,497.44	1,001,747.20
Other Freight Train	7,000.00	9,299.00
Other Passenger Train	165,500.36	187,127.92
Water Line		
All Other	674,313.72	705,775.95
Total Railway Operating Revenues	21,241,352.71	20,725,300.79
<u>OPERATING EXPENSES</u>		
Maint. of Way & Structures	\$2,416,510.02	\$3,573,016.86
Maint. of Equipment	4,042,071.30	5,141,241.72
Traffic	502,701.71	393,585.31
Transportation	9,381,448.06	9,638,738.18
Misc. Operations*	312,738.17	293,853.13
General	567,378.87	504,139.61
Trans. for Investment	Cr. 75,543.74	Cr. 96,722.41
Total Railway Operating Expenses	17,147,204.39	19,447,852.40
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$4,094,048.32	\$1,277,448.39
Railway Tax Accruals	204,672.72	206,256.07
Uncollectable Revenues	1,993.20	645.71
Hire of Equipment	Cr. 14,993.86	Cr. 313,097.41
Joint Facilities Rents	Cr. 29,299.58	Cr. 93,358.88
Operating Income	3,931,675.84	1,477,002.10
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,531.16	20,461.75
No. of Tons Carried (Rev. Fr.)	4,521,062	4,086,827
No. of Tons Carried One Mile " #	1,998,970,300	1,815,753,690
No. of Tons Carried (All Fr.)	5,170,255	5,737,702
No. of Tons Carried One Mile " "	2,120,270,360	2,017,154,730
No. of Revenue Pass. Carried	1,788,353	1,776,501
No. of Revenue Pass. Carried One Mile	109,779,129	98,018,766
Freight Train Miles	3,248,909	3,406,155
Passenger Train Miles	1,725,235	1,715,322
Total Train Miles (Rev. & Non Rev.)	5,097,819	5,275,238
Freight Car Miles-Loaded	74,169,819	75,083,178
Freight Car Miles-Empty	43,632,818	41,909,263
Passenger Train Car Miles	12,044,829	11,563,631
Total Amount of Pay Roll	\$11,030,877.40	\$11,024,166.53
Number of Employees	90,394	92,731
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$34.50	\$33.76
Operating Expenses	\$27.85	\$31.08
No. of Tons Moved One Mile (Rev. Fr.)	3,246	2,958
No. of Tons Moved One Mile (All Fr.)	3,443	3,286
No. of Rev. Pass. Carried One Mile	178	160
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.82	\$4.65
No. of Tons of Freight (Rev. Fr.)	615.3	533.1
No. of Tons of Freight (All Fr.)	652.6	592.2
Loaded Freight Cars	22.8	22.0
Empty Freight Cars	13.4	12.3
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Passenger Train Revenues	\$2.84	\$2.44
Passengers Carried	63.6	57.1
Passenger Cars	7.0	6.7
Average Operating Expenses per train mile	\$3.36	\$3.69
Average Length of Haul (Rev. Fr.) Miles	442.1	387.4
Average Passenger Journey Miles	61.4	55.2
Average Tons per Loaded Freight Car	28.6	26.9
Av. Fr. Receipt per Rev. Ton Mile	.784¢	.871¢
Av. Passenger Receipt per pass. per mile	2.778¢	2.774¢
Ratio of Pay Roll to Operating Revenues	51.9%	53.2%
Ratio of Pay Roll to Operating Expenses	64.3%	56.7%
Ratio of Operating Expenses to Revenues	80.73%	93.84%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RY.

(Montreal & Atlantic Ry., Esquimaux & Nanaimo Ry.)

For the Month of November, 1923

1923

1922

OPERATING REVENUES

Freight	\$17,169,891.35	\$16,713,469.47
Passenger	3,021,745.83	2,724,039.71
Mail	293,356.29	252,730.31
Express	450,757.03	493,059.31
Other Freight Train	4,803.62	3,509.70
Other Passenger Train	254,070.10	255,378.03
Water Line	298,713.07	299,359.00
All Other	867,537.73	664,878.61
Total Railway Operating Revenues	22,360,875.02	21,436,490.08

OPERATING EXPENSES

Maint. of Way & Structures	\$3,297,409.50	\$2,585,822.02
Maint. of Equipment	2,857,531.65	2,963,468.41
Traffic	763,352.69	667,505.54
Transportation	7,648,889.33	7,953,216.67
Misc. Operations	150,249.00	181,723.73
General	292,008.88	297,638.20
Trans. for Investment	-	-
Total Railway Operating Expenses	15,029,441.05	14,649,374.65

OPERATING INCOME

Net Operating Revenue	\$7,331,433.97	\$6,787,115.43
Railway Tax Accruals	1,449,134.11	1,431,362.66
Uncollectable Revenues	-	-
Hire of Equipment	Dr. 298,432.24	Dr. 410,071.00
Joint Facilities Rents	Dr. 67,723.63	11,023.40
Operating Income	6,248,455.73	5,754,800.33

OPERATING STATISTICS

Average Miles of Road Operated	13,919.9	13,877.2
No. of Tons Carried (Rev. Fr.)	4,111,342	4,192,368
No. of Tons Carried One Mile " "	2,304,906.275	2,104,333.398
No. of Tons Carried (All Fr.)	4,780,874	5,041,287
No. of Tons Carried One Mile " "	2,442,553.653	2,296,363.584
No. of Revenue Pass. Carried	1,141,416	1,127,537
No. of Rev. Pass. Carried One Mile	106,076.039	95,756.244
# Freight Train Miles	3,342,116	3,327,179
# Passenger Train Miles	1,533,048	1,494,686
Total Train Miles (Rev. & Non Rev.)	4,933,422	4,864,512
Freight Car Miles-Loaded	71,953,803	71,011,123
Freight Car Miles-Empty	48,649,612	42,614,583
Passenger Train Car Miles	11,367,781	10,772,076
Total Amount of Pay Roll	\$8,072,407.25	\$7,619,862.11
Number of Employees	61,850	58,764

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operating Revenue	\$ 53.55	\$ 51.49
Operating Expenses	\$ 35.99	\$ 35.19
No. of Tons Moved One Mile (Rev. Fr.)	5,519	5,052
No. of Tons Moved One Mile (All Fr.)	5,849	5,516
No. of Rev. Pass. Carried One Mile	254	230

AVERAGES PER FREIGHT TRAIN MILE

Freight Revenues	\$ 5.14	\$ 5.02
No. of Tons of Freight (Rev. Fr.)	689.7	632.5
No. of Tons of Freight (All Fr.)	730.8	690.2
Loaded Freight Cars	21.5	21.3
Empty Freight Cars	14.6	12.8

AVERAGES PER FREIGHT TRAIN MILE

Passenger Train Revenues	\$2.62	\$2.51
Passengers Carried	69.2	64.1
Passenger Cars	7.4	7.2
Average Operating Expenses per train mile	\$3.05	\$3.01
Average length of Haul (Rev. Fr.) Miles	560.6	501.9
Average Passenger Journey Miles	92.9	84.9
Average Tons per Loaded Fr. Car	33.9	32.3
Av. Fr. Receipt per Rev. Ton Mile	.745¢	.794¢
Av. Passenger Receipt per Pass. per Mile	2.849¢	2.845¢
Ratio of Pay Roll to Operating Revenues	36.1%	35.8%
Ratio of Pay Roll to Operating Expenses	53.7%	52.0%
Ratio of Operating Expenses to Revenues	67.21%	68.34%

Contains a proportion of mixed train miles.



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CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada & United States)

For the Month of November, 1923

OPERATING REVENUES

	<u>1923</u>	<u>1922</u>
Canadian Lines	\$21,241,352.71	\$20,725,300.75
Duluth, Winnipeg & Pacific	204,005.00	168,852.22
Grand Trunk Western Lines	2,466,345.00	2,344,097.27
New England Lines	297,520.29	281,393.00
Total	\$24,209,223.00	\$23,519,643.65

OPERATING EXPENSES

Canadian Lines	\$17,147,304.39	\$19,447,852.40
Duluth, Winnipeg & Pacific	165,866.10	160,674.84
Grand Trunk Western Lines	2,080,953.37	1,697,672.25
New England Lines	233,781.47	264,335.46
Total	\$19,627,905.33	\$21,570,534.95

NET OPERATING REVENUES

Canadian Lines	\$4,094,048.32	\$1,277,448.39
Duluth, Winnipeg & Pacific	38,138.90	8,177.45
Grand Trunk Western Lines	385,391.63	646,425.32
New England Lines	63,738.82	17,057.54
Total	\$4,581,317.67	\$1,949,108.70

SUMMARY

For Eleven Months, January to November

	<u>1923</u>	<u>1922</u>
<u>ALL RAILWAYS</u>		
Operating Revenues	\$429,409,183.23	\$402,808,726.07
Operating Expenses	372,373,824.38	357,880,438.61
Net Operating Revenues	57,035,358.85	44,928,287.46

CANADIAN NATIONAL RAILWAYS

Operating Revenues - Canadian Lines	\$196,982,817.78	\$184,735,579.57
United States Lines	35,176,631.09	28,150,719.12
Total	232,159,448.87	212,886,298.69
Operating Expenses - Canadian Lines	\$128,086,980.64	\$133,774,083.97
United States Lines	27,469,865.26	23,340,093.65
Total	215,556,845.90	207,114,182.62
Net Operating Revenues-Canadian Lines	\$8,895,837.14	\$961,495.60
United States Lines	7,706,765.83	4,810,629.47
Total	16,602,602.97	5,772,116.07

CANADIAN PACIFIC RAILWAYS

Operating Revenues	\$177,137,637.24	\$171,006,246.19
Operating Expenses	143,678,947.15	137,071,630.67
Net Operating Revenues	33,458,690.09	33,934,615.52
