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DOMINION BUREAU OF STATISTICS

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OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000.

For the Month of October, 1923

The railways as a whole showed an increase in operating revenues of \$2,365,202, or 4.6 per cent and a reduction in operating expenses of \$354,795, or .9 per cent which increased the net operating revenues by \$2,719,997 and reduced the operating ratio from 76.55 per cent for October 1922 to 72.41 per cent.

The freight carried by the Canadian railways during October 1922 was a record up to that time but during October 1923 this record was exceeded by 159,211,717 ton miles or 3.7 per cent and freight revenues were increased by \$1,007,004, or 2.7 per cent. Passenger traffic also showed an increase of 12 per cent and earned \$706,783, or 10.5 per cent more than last year. Maintenance of way and structures showed an increase of \$369,813 but all other divisions recorded decreases.

Although freight traffic increased by 3.7 per cent, the freight train mileage was kept even below last year's by increasing both the tons per train and tons per car, and with only a slight decrease in the average receipts per ton mile, revenues per train mile were increased from \$5.18 to \$5.33.

For the period January - October, the railways increased their revenues by \$24,933,978, the expenses by \$16,113,494 and their net operating revenues by \$8,820,484. The operating ratio for the ten months was 88.32 per cent as against 89.98 per cent for the corresponding period in 1922.

Canadian National Railways reduced the operating ratio of 86.78 per cent for October 1922 to 79.58 per cent. This was effected not so much by increased traffic density, freight traffic increasing less than one and a half per cent, but by cuts in maintenance expenses and increased revenues. Maintenance of way and structures expenses were cut \$190,110, or 4.5 per cent and maintenance of equipment expenses were cut \$664,154, or 14.8 per cent. Increases in transportation expenses and for miscellaneous operations were slight so that with increases in freight revenues of \$221,549, in passenger revenues of \$462,355 and all other divisions except mail and other freight, the net revenues were increased by \$1,796,741.

Revenue freight traffic increased only 1.45 per cent but the average train load increased from 605.6 net tons to 648.1 net tons (revenue and non revenue freight), and the number of cars also increased 2.2. With the average receipts per ton mile practically unchanged, the revenues per train mile increased from \$4.82 to \$5.19, or over 7 per cent.

The pay roll showed an increase of \$471,516 or 4 per cent. There has been an increase in the pay roll each month this year over the corresponding month in 1922 and for the ten month period, the total increase has been \$7,557,763, or 7.3 per cent.

For the period January - October the Canadian lines have increased the net operating revenues by \$5,117,741 and the entire system including the lines in the United States increased the net operating revenues from \$3,823,007 to \$12,021,285.

It should be clearly understood that these are operating data only and do not include any interest charges, rentals or other income credits and debts other than the operating items enumerated under operating income. For 1922 the interest charges including interest on Government loans aggregated \$59,495,540 and the total corporate loss including all income credits and debts was \$59,515,030.

Canadian Pacific Railways

The revenue ton miles surpassed the record of October 1922 by 4.9 per cent creating a new high record for the system and although the lower rates did not produce revenues equal to October 1920 revenues by \$1,273,520, compared with October 1922 when rates were on a parity, the increase was \$240,450, or 3.6 per cent. Operating expenses were increased only \$234,259, or 1.9 per cent, reducing the operating ratio to 65.38 per cent which is the lowest recorded in four years, January 1920 being the first month covered by these reports.

Maintenance of way and structures were increased by \$485,165, or 17.4 per cent, maintenance of equipment by \$94,435, or 2.9 per cent, whereas operating expenses were reduced by \$305,869 or 3.8 per cent although the freight traffic increased 4.9 per cent and passenger traffic 7.6 per cent.

There was little difference in the average train loading but the average car load was increased 1.5 tons and the average haul was increased from 472.4 miles to 506.9 miles.

The average number of passengers per train, the length of journey and the passenger train earnings all showed increases, but the average receipts per passenger fell off from 2.651 cents to 2.633 cents and the average receipts per revenue ton mile also decreased from .839 cent to .812 cent.

For the period January - October the revenues and expenses both showed increases over the corresponding period of 1922 but the net operating revenues showed a decrease of \$1,020,244.

OPERATING REVENUES, EXPENSES & STATISTICSSTEAM RAILWAYS OF CANADAWith Annual Operating Revenues of \$500,000.For the Month of October 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$39,173,971.58	\$38,171,967.21
Passenger	7,431,849.50	6,725,066.19
Mail	613,767.97	638,553.31
Express	1,750,032.27	1,761,453.75
Other Freight Train	Cr. .57	57,358.22
Other Passenger Train	771,981.75	599,379.72
Water Line	412,525.62	393,710.38
All Other	2,211,292.65	1,657,729.79
Total Railway Operating Revenues	52,370,420.77	50,005,218.48
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$8,186,984.17	\$7,817,170.62
Maint. of Equipment	8,192,372.44	8,512,208.48
Traffic	1,122,528.67	1,141,224.82
Transportation	18,955,509.55	19,366,318.70
Misc. Operations	526,258.95	523,860.11
General	997,867.64	1,023,579.65
Trans. for Investment	Cr. 59,633.85	Cr. 112,679.77
Total Railway Operating Expenses	37,921,887.57	38,276,682.61
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$14,448,533.20	\$11,728,535.87
Railway Tax Accruals	669,496.82	746,705.07
Uncollectable Revenues	2,825.00	1,010.63
Hire of Equipment	117,668.83	Cr. 566,367.28
Joint Facilities Rents	88,587.58	48,481.49
Operating Income	13,569,954.97	11,498,705.96
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	38,471	38,435
No. of Tons carried (Rev.Fr.)	12,144,788	11,923,522
No. of Tons Carried One Mile " "	4,479,786,681	4,320,574,964
No. of Tons Carried (All Fr.)	13,862,234	13,825,446
No. of Tons Carried One Mile " "	4,869,077,354	4,698,084,369
No. of Revenue Pass. Carried	3,494,539	3,258,414
No. of Rev. Pass. Carried One Mile	276,781,202	246,860,464
Freight Train Miles	7,355,294	7,373,272
Passenger Train Miles	3,881,313	3,696,819
Total Train Miles (Rev. & Non Rev.)	11,593,823	11,465,127
Freight Car Miles-Loaded	166,795,706	165,995,838
Freight Car Miles-Empty	96,098,068	85,597,675
Passenger Train Car Miles	28,233,841	26,488,388
Total Amount of Pay Roll	\$22,716,980.94	\$21,394,871.76
Number of Employees	177,535	171,093
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$43.91	\$41.97
Operating Expenses	\$31.80	\$32.13
No. of Tons Moved One Mile (Rev.)	3,756	3,626
No. of Tons Moved One Mile (All Fr.)	4,083	3,943
No. of Rev. Passengers Carried One Mile	232	207
<u>DAILY AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$5.33	\$5.18
No. of Tons of Freight (Rev.Fr.)	609.1	586.0
No. of Tons of Freight (All Fr.)	662.0	637.2
Loaded Freight Cars	22.7	22.5
Empty Freight Cars	13.1	11.6
<u>DAILY AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenue	\$2.72	\$2.63
Passengers Carried	71.3	66.8
Passenger Cars	7.3	7.2
Average Operating Expenses per train mile	\$3.27	\$3.34
Average Length of Haul (Rev.Fr.) Miles	368.9	362.4
Average Passenger Journey Miles	79.2	75.8
Average Tons per Loaded Freight Car	29.1	28.3
Av. Fr. Receipt per Rev. Ton Mile	.875¢	.883¢
Av. Passenger Receipt per Pass. per Mile	2.685¢	2.724¢
Ratio of Pay Roll to Operating Revenues	43.4%	42.8%
Ratio of Pay Roll to Operating Expenses	59.9%	55.9%
Ratio of Operating Expenses to Revenues	72.41%	76.55%

Contains a proportion of mixed train miles

OPERATING REVENUES, EXPENSES & STATISTICSCANADIAN NATIONAL RY.

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

For the Month of October, 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$17,210,742.50	\$16,989,193.24
Passenger	3,166,424.99	2,704,069.35
Mail	257,271.99	290,353.64
Express	1,144,433.78	1,086,907.44
Other Freight Train	Dr. 1,092.80	56,990.19
Other Passenger Train	415,933.69	262,648.25
Water Line	- - - - -	- - - - -
All Other	956,951.88	786,983.58
Total Railway Operating Revenues	23,150,671.03	22,177,145.69
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$3,992,620.79	\$4,182,731.11
Maint. of Equipment	3,827,735.43	4,491,890.21
Traffic	363,614.29	440,201.23
Transportation	9,441,717.43	9,384,708.51
Misc. Operations	322,002.41	293,926.17
General	527,333.47	562,448.59
Trans. for Investment	Cr. 52,361.23	Cr. 110,027.12
Total Railway Operating Expenses	18,422,662.59	19,245,878.70
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$4,728,008.44	\$2,931,266.99
Railway Tax Accruals	202,485.85	332,767.31
Uncollectable Revenues	2,580.16	981.81
Hire of Equipment	105,268.06	Cr. 416,392.55
Joint Facilities Rents	21,397.78	Cr. 25,032.80
Operating Income	4,396,276.59	3,039,443.22
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,447.90	20,453.73
No. of Tons Carried (Rev. Fr.)	5,024,797	5,104,771
No. of Tons Carried One Mile " "	1,980,980,011	1,951,881,377
No. of Tons Carried (All Fr.)	5,343,613	6,060,013
No. of Tons Carried One Mile " "	2,151,054,090	2,141,304,327
No. of Rev. Pass. Carried	1,862,384	1,681,352
No. of Revenue Pass. Carried One Mile	122,824,864	101,753,443
X Freight Train Miles	3,318,953	3,535,554
X Passenger Train Miles	1,305,102	1,718,145
Total Train Miles (Rev. & Non Rev.)	5,353,930	5,555,743
Freight Car Miles-Loaded	76,715,430	77,938,062
Freight Car Miles-Empty	42,451,627	41,507,597
Passenger Train Car Miles	12,569,996	11,681,947
Total Amount of Pay Roll	\$12,204,260.78	\$11,732,744.39
Number of Employees	99,402	98,163
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$36.52	\$34.98
Operating Expenses	\$29.06	\$30.35
No. of Tons Moved One Mile (Rev. Fr.)	3,125	3,078
No. of Tons Moved One Mile (All Fr.)	3,393	3,377
No. of Revenue Pass. Carried One Mile	194	160
<u>DAILY AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$5.19	\$4.82
No. of Tons of Freight (Rev.)	596.9	552.1
No. of Tons of Freight (All Fr.)	643.1	605.6
Loaded Freight Cars	23.1	22.0
Empty Freight Cars	12.8	11.7
<u>DAILY AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenues	\$2.76	\$2.53
Passengers Carried	68.0	59.2
Passenger Cars	6.7	6.9
Average Operating Expenses per train mile	\$3.44	\$3.46
Average Length of Haul (Rev. Fr.) Miles	394.2	382.4
Average Passenger Journey Miles	66.0	60.5
Average Tons per Loaded Fr. Car	28.0	27.5
Av. Fr. Receipt per Rev. Ton Mile	.869¢	.870¢
Av. Passenger Receipt per Pass. per Mile	2.578¢	2.657¢
Ratio of Pay Roll to Operating Revenues	52.7%	52.9%
Ratio of Pay Roll to Operating Expenses	66.2%	61.0%
Ratio of Operating Expenses to Revenues	79.58%	86.73%

X - Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RY.

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

For the Month of October, 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$18,113,612.23	\$17,838,482.06
Passenger	3,271,612.04	3,061,510.42
Mail	310,267.31	303,104.28
Express	489,599.08	519,552.06
Other Freight Train	190.28	186.42
Other Passenger Train	328,707.53	309,800.54
Water Line	293,166.37	307,345.35
All Other	1,075,647.31	702,370.35
Total Railway Operating Revenues	23,882,802.15	23,042,351.49
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$3,281,400.13	\$2,796,234.40
Maint. of Equipment	3,387,105.11	3,292,669.67
Traffic	688,205.62	642,603.29
Transportation	7,800,488.42	8,106,377.47
Misc. Operations	161,259.34	193,795.75
General	295,983.76	298,501.84
Trans. for Investment	-	-
Total Railway Operating Expenses	15,614,442.38	15,330,182.42
<u>OPERATING INCOME</u>		
Net Operating Revenue	8,268,359.77	7,712,169.07
Railway Tax Accruals	360,201.65	355,196.60
Uncollectable Revenues	-	-
Hire of Equipment	Cr. 263,963.40	Cr. 396,248.56
Joint Facilities Rents	Cr. 75,003.26	Cr. 54,781.45
Operating Income	8,247,124.78	7,808,002.48
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	13,919.7	13,877.2
No. of Tons Carried (Rev. Fr.)	4,402,720	4,502,648
No. of Tons Carried One Mile " "	2,231,543,899	2,126,879,127
No. of Tons Carried (All Fr.)	5,184,721	5,373,814
No. of Tons Carried One Mile " "	2,442,791,041	2,308,972,364
No. of Revenue Pass. Carried	1,163,892	1,111,076
No. of Revenue Pass. Carried One Mile	124,236,940	115,465,828
X Freight Train Miles	3,463,787	3,341,418
X Passenger Train Miles	1,620,291	1,554,362
Total Train Miles (Rev. & Non Rev.)	5,171,264	4,966,758
Freight Car Miles-Loaded	75,761,979	75,179,787
Freight Car Miles-Empty	47,655,228	39,297,559
Passenger Train Car Miles	12,123,540	11,587,554
Total Amount of Pay Roll	\$8,724,508.91	\$8,032,274.19
Number of Employees	64,983	60,696
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$55.35	\$53.56
Operating Expenses	\$36.19	\$35.64
No. of Tons Moved One Mile (Rev. Fr.)	5,171	4,944
No. of Tons Moved One Mile (All Fr.)	5,661	5,367
No. of Rev. Pass. Carried One Mile	288	268
X <u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$5.23	\$5.34
No. of Tons of Freight (Rev. Fr.)	644.2	636.5
No. of Tons of Freight (All Fr.)	705.2	691.1
Loaded Freight Cars	21.9	22.5
Empty Freight Cars	13.8	11.8
X <u>AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenues	\$2.72	\$2.70
Passengers Carried	76.7	74.3
Passenger Cars	7.5	7.5
Average Operating Expenses per train mile	\$3.02	\$3.09
Average Length of Haul (Rev. Fr.) Miles	506.9	472.4
Average Passenger Journey Miles	106.7	103.9
Average Tons per Loaded Fr. Car	32.2	30.7
Av. Fr. Receipt per Rev. Ton Mile	.812¢	.839¢
Av. Passenger Receipt per Pass. per Mile	2.633¢	2.651¢
Ratio of Pay Roll to Operating Revenues	36.5%	34.3%
Ratio of Pay Roll to Operating Expenses	55.9%	52.4%
Ratio of Operating Expenses to Revenues	65.38%	66.53%

X - Contains a proportion of mixed train miles.

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CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada and United States)

For the Month of October, 1923

OPERATING REVENUES

	<u>1923</u>	<u>1922</u>
Canadian Lines	\$23,150,671.03	\$22,177,145.45
Duluth, Winnipeg & Pacific	170,017.00	170,995.91
Grand Trunk Western Lines	2,886,313.00	2,375,666.57
New England Lines	184,993.97	260,501.00
Total	\$26,391,995.00	\$24,984,309.17

OPERATING EXPENSES

Canadian Lines	\$18,422,662.59	\$19,245,878.70
Duluth, Winnipeg & Pacific	181,125.39	164,125.60
Grand Trunk Western Lines	2,258,807.00	1,953,257.42
New England Lines	365,930.25	325,354.03
Total	\$21,228,525.23	\$21,688,615.75

NET OPERATING REVENUES

Canadian Lines	\$4,728,008.44	\$2,931,266.99
Duluth, Winnipeg & Pacific	Dr. 11,108.39	6,870.31
Grand Trunk Western Lines	627,506.00	422,409.15
New England Lines	Dr. 180,936.28	Dr. 64,853.03
Total	\$5,163,469.77	\$3,295,693.42

SUMMARY

For Ten Months - January - October

1923 1922

ALL RAILWAYS

Operating Revenues	\$380,868,517.26	\$355,934,538.50
Operating Expenses	336,368,900.28	320,255,405.57
Net Operating Revenues	44,499,616.98	35,679,133.03

CANADIAN NATIONAL RAILWAYS

Operating Revenues - Canadian Lines	\$175,741,465.07	\$164,010,278.78
United States Lines	32,208,760.80	25,356,376.26
Total	207,950,225.87	189,366,655.04
Operating Expenses - Canadian Lines	\$170,939,676.25	\$164,326,231.57
United States Lines	24,989,264.32	21,217,416.10
Total	195,928,940.57	185,543,647.67
Net Operating Revenues - Canadian Lines	\$4,801,788.82	Dr. \$315,952.79
United States Lines	7,219,496.48	4,138,960.16
Total	\$12,021,285.30	\$3,823,007.37

CANADIAN PACIFIC RAILWAYS

Operating Revenues	\$154,776,762.22	\$149,569,756.11
Operating Expenses	128,649,506.10	122,422,256.02
Net Operating Revenues	26,127,256.12	27,147,500.09