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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 August, 1923.

Freight rates for August were on a parity with those in effect during August 1922 making revenues directly comparable. Freight traffic of the railways as a whole showed an increase of 2.6 per cent and freight revenues increased \$1,153,774, or 4.9 per cent. Passenger traffic showed not only a seasonal increase over July of 27 per cent but was also 6.6 per cent heavier than last year and revenues were \$1,051,652, or 11.6 per cent greater. Total revenues were increased by \$2,383,047, or 6.2 per cent and with operating expenses increasing only \$371,962, or 2.6 per cent, net operating revenues showed an increase of \$1,516,085. The increases in operating expenses were more than accounted for by the expansion of the pay roll which was \$1,789,903, or 8.6 per cent greater than last year's for an increase of 12,641, or 7.4 per cent in the number of employees.

Passenger traffic has been showing signs of revival; the number of people travelling has not materially increased but the average passenger journey has increased in length, increasing the passenger miles and also the passenger revenues.

The average freight receipt per ton miles showed an increase from 1.261 cents to 1.289 cents, possibly due to less grain and coal moving this year than in August 1922.

For the eight months, January - August, the railways have increased gross revenues by \$23,265,241 and the net operating revenues by \$6,516,086, or 39 per cent.

Canadian National Railways showed a slight decrease in freight traffic (.6 per cent) but freight revenues were increased by \$422,207, or 3.8 per cent. Passenger traffic also showed little change, but receipts increased \$472,906, or 12.5 per cent. Total revenues showed an increase of \$1,033,271, or 5.9 per cent and total operating expenses, an increase of \$321,346, or 1.9 per cent, making an increase in net operating revenues of \$711,924 and reducing the operating ratio from 97.32 per cent to 93.64 per cent. The pay roll was greater by \$876,365, or 7.8 per cent for an increase in the number of employees of 7,268, or 7.5 per cent.

Preparation for the western grain movement was responsible for the heavy empty car mileage, viz. 25,662,313 miles as against 49,609,090 loaded car miles and 16,102,246 empty car miles last year. The average length of haul showed a decrease of 37.8 miles. This will be increased, however, with the grain movement.

For the eight months, January - August, the Canadian lines showed a deficit of \$1,051,387 as against a deficit of \$4,689,139 for the corresponding period last year or a betterment of \$3,637,751. The lines in the United States however, earned net operating revenues of \$6,063,232, making the net revenues for the entire system \$5,011,845 as against a deficit last year of \$1,166,098, or an increase of \$6,177,944.

Canadian Pacific Railways reduced the operating ratio from 81.97 per cent to 80.91 per cent. Freight traffic declined slightly but freight revenues increased \$247,760, or 2.6 per cent and passenger revenues increased \$392,120, or 9.5 per cent for an increase of 10 per cent in passenger miles. Total revenues showed an increase of \$630,892, or 3.9 per cent and total operating expenses an increase of \$339,747, or 2.6 per cent. The increase in the pay roll was \$682,336, or 8.7 per cent for 4,014, or 6.3 per cent more employees.

Grain cars must be collected, moved to the prairie provinces and stored in advance of the harvest; this accounts for the heavy empty car mileage during July and August. This year it was exceptionally heavy in anticipation of the record crop to be moved.

Train loading showed an increase of 12.7 net tons, and 1.2 cars and car loading was increased 2.4 tons per car. The average revenue per passenger train mile showed an increase of 10 cents with an increase of 5.7 passengers, and the average passenger journey increased from 116.1 miles to 124.9 miles.

For January - August, the gross revenues increased \$4,706,541 but operating expenses increased \$6,231,997, reducing the net operating revenues from \$14,861,921 to \$13,336,464, a decrease of \$1,525,456.

Nov. 3, 1923/GA

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

With Annual Operating Revenues of \$500,000.

For the Month of August, 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$24,964,944.96	\$23,806,170.11
Passenger	10,130,101.35	9,078,449.38
Mail	594,349.82	604,210.59
Express	1,979,333.30	1,921,416.50
Other Freight Train	155.09	1,973.04
Other Passenger Train	783,686.80	799,569.74
Water Line	375,239.21	362,773.93
All Other	1,824,871.98	1,690,072.04
Total Railway Operating Revenues	\$40,652,682.81	\$38,264,635.33
<u>OPERATING EXPENSES</u>		
Maint. of Way & Structures	\$8,595,187.99	\$8,615,557.73
Maint. of Equipment	7,376,843.96	7,253,881.72
Traffic	1,190,967.77	1,043,889.76
Transportation	15,980,760.43	15,381,068.22
Misc. Operations	732,291.12	729,677.33
General	979,088.06	952,359.71
Trans. For Investment	Cr. 80,971.73	Cr. 74,229.22
Total Railway Operating Expenses	\$34,774,167.60	\$33,902,205.25
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$5,878,515.21	\$4,362,430.08
Railway Tax Accruals	587,774.31	515,174.76
Uncollectable Revenues	1,216.42	1,247.93
Hire of Equipment	Dr. 74,533.25	Cr. 326,597.61
Joint Facilities Rents	Dr. 108,961.24	Dr. 78,203.65
Operating Income	\$5,106,029.99	\$4,094,401.30
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	38,452	38,387
No. of Tons Carried (Rev. Fr.)	9,032,240	7,450,292
No. of Tons Carried One Mile " "	1,936,355,169	1,888,301,565
No. of Tons Carried (All Fr.)	11,129,109	8,867,858
No. of Tons Carried One Mile " "	2,459,272,214	2,168,668,037
No. of Rev. Pass. Carried	4,651,629	4,543,638
No. of Rev. Pass. Carried One Mile	404,405,082	379,291,714
Freight Train Miles	4,790,219	4,402,163
Passenger Train Miles	4,566,224	4,298,416
Total Train Miles (Rev. & Non Rev.)	9,970,633	9,355,598
Freight Car Miles - Loaded	104,352,219	98,613,660
Freight Car Miles - Empty	53,538,730	37,857,475
Passenger Train Car Miles	39,858,259	35,093,076
Total Amount of Pay Roll	\$22,512,309.23	\$20,722,405.83
Number of Employees	184,491	171,850
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$34.10	\$32.16
Operating Expenses	\$29.17	\$28.49
No. of Tons Moved One Mile (Rev. Fr.)	1,624	1,587
No. of Tons Moved One Mile (All Fr.)	2,063	1,822
No. of Rev. Passengers Carried One Mile	339	319
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$5.21	\$5.41
No. of Tons of Freight (Rev. Fr.)	404.2	423.9
No. of Tons of Freight (All Fr.)	513.4	492.6
Loaded Freight Cars	21.8	22.4
Empty Freight Cars	11.2	8.6
<u>AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenues	\$2.95	\$2.89
Passengers Carried	88.6	88.2
Passenger Cars	8.7	8.2
Average Operating Expenses per train mile	\$3.49	\$3.62
Average Length of Haul (Rev. Fr.) Miles	214.4	253.5
Average Passenger Journey Miles	86.9	83.5
Average Tons per Loaded Fr. Car.	23.6	22.0
Av. Fr. Receipt per Rev. Ton Mile	1.289¢	1.261¢
Av. Passenger Receipt per Pass. per Mile	2.505¢	2.394¢
Ratio of Pay Roll to Operating Revenues	55.4%	54.2%
Ratio of Pay Roll to Operating Expenses	64.7%	61.1%
Ratio of Operating Expenses to Revenues	85.54%	88.60%

- 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 August, 1923.

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$11,631,866.00	\$11,209,658.73
Passenger	4,243,356.00	3,770,449.39
Mail	255,400.00	265,230.92
Express	1,239,450.00	1,181,785.72
Other Freight Train	- - - -	1,761.36
Other Passenger Train	255,040.00	284,233.89
Water Line	- - - -	- - - -
All Other	959,878.94	838,549.50
Total Railway Operating Revenues	\$18,534,990.94	\$17,551,719.51
<u>OPERATING EXPENSES</u>		
Maint. of Way & Structures	\$ 4,389,263.69	\$ 4,607,876.82
Maint. of Equipment	3,511,580.47	3,604,124.77
Traffic	435,593.45	371,571.53
Transportation	8,181,167.87	7,662,749.06
Misc. Operations	406,714.45	410,718.94
General	547,781.91	497,876.65
Trans. for Investment	Cr. 68,562.24	Cr. 72,724.69
Total Railway Operating Expenses	\$17,403,539.60	\$17,082,193.08
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$1,181,451.34	\$469,526.43
Railway Tax Accruals	162,306.33	180,175.64
Uncollectable Revenues	970.64	967.66
Hire of Equipment	Dr. 23,246.32	Cr. 13,956.71
Joint Facilities Rents	Cr. 33,097.45	Cr. 11,731.69
Operating Income	\$1,028,025.50	\$614,131.53
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,427.36	20,406.03
No. of Tons Carried (Rev. Fr.)	3,772,014	3,279,562
No. of Tons Carried One Mile " "	910,108,521	915,381,860
No. of Tons Carried (All Fr.)	4,804,921	4,007,679
No. of Tons Carried One Mile " "	1,152,537,108	1,059,912,473
No. of Revenue Passengers Carried	2,306,784	2,302,135
No. of Revenue Pass. Carried One Mile	157,407,040	156,493,315
# Freight Train Miles	2,356,500	2,243,551
# Passenger Train Miles	2,067,494	1,917,112
Total Train Miles (Rev. & Non Rev.)	4,424,000	4,160,663
Freight Car Miles-Loaded	49,609,090	46,703,823
Freight Car Miles-Empty	25,662,313	19,274,154
Passenger Train Car Miles	19,330,780	16,102,246
Total Amount of Pay Roll	\$12,188,399.96	\$11,311,734.94
Number of Employees	103,692	96,424
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$29.35	\$27.75
Operating Expenses	\$27.43	\$27.00
No. of Tons Moved One Mile (Rev. Fr.)	1,437	1,447
No. of Tons Moved One Mile (All Fr.)	1,820	1,676
No. of Rev. Passengers Carried One Mile	249	247
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$ 4.94	\$ 5.00
No. of Tons of Freight (Rev. Fr.)	386.2	408.0
No. of Tons of Freight (All Fr.)	489.1	472.4
Loaded Freight Cars	21.1	20.8
Empty Freight Cars	10.9	8.6
<u># AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenues	\$2.90	\$2.87
Passengers Carried	76.1	81.6
Passenger Cars	9.3	8.4
Average Operating Expenses per Train Mile	\$3.57	\$3.69
Average Length of Haul (Rev. Fr.) Miles	241.3	279.1
Average Passenger Journey Miles	68.2	68.0
Average Tons per Loaded Freight Car	23.2	22.7
Av. Fr. Receipt per Rev. Ton Mile	1.273¢	1.225¢
Av. Passenger Receipt per Pass. per Mile	2.693¢	2.409¢
Ratio of Pay Roll to Operating Revenues	65.6%	64.4%
Ratio of Pay Roll to Operating Expenses	70.0%	66.2%
Ratio of Operating Expenses to Revenues	93.64%	97.32%

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICSCANADIAN PACIFIC RY.

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

For the Month of August, 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$9,800,375.09	\$9,552,614.40
Passenger	4,539,695.42	4,147,575.32
Mail	293,847.35	292,806.35
Express	624,156.70	622,887.10
Other Freight Train	805.85	268.68
Other Passenger Train	502,892.14	493,042.63
Water Line	306,302.11	299,498.30
All Other	662,957.36	691,446.54
Total Railway Operating Revenues	16,731,032.02	16,100,139.32
<u>OPERATING EXPENSES</u>		
Maint. of Way & Structures	3,131,452.43	3,118,903.19
Maint. of Equipment	3,044,850.00	2,855,886.25
Traffic	684,849.89	608,252.84
Transportation	6,112,778.30	6,061,929.45
Misc. Operations	274,081.33	265,271.71
General	238,221.84	286,273.28
Trans. for Investment	- - - - -	- - - - -
Total Railway Operating Expenses	13,536,263.79	13,196,516.72
<u>OPERATING INCOME</u>		
Net Operating Revenue	3,194,768.23	2,903,622.60
Railway Tax Accruals	292,658.57	268,507.50
Uncollectable Revenues	- - - - -	- - - - -
Hire of Equipment	Cr. 246,832.96	Cr. 260,560.20
Joint Facilities Rents	Dr. 1,584.81	Cr. 38,798.45
Operating Income	3,147,357.81	2,934,473.75
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	13,919.9	13,877.2
No. of Tons Carried (Rev. Fr.)	2,472,810	2,349,629
No. of Tons Carried One Mile " "	757,168,236	763,001,924
No. of Tons Carried (All Fr.)	3,368,937	2,931,047
No. of Tons Carried One Mile " "	1026,413,947	892,283,975
No. of Revenue Pass. Carried	1,645,291	1,609,338
No. of Revenue Pass. Carried 1 Mile	205,450,010	186,816,856
Freight Train Miles	1,894,996	1,686,922
Passenger Train Miles	2,030,329	1,957,019
Total Train Miles (Rev. & Non Rev.)	4,078,871	3,791,942
Freight Car Miles-Loaded	41,465,240	39,795,570
Freight Car Miles-Empty	21,509,694	14,292,767
Passenger Train Car Miles	16,949,387	15,721,940
Total Amount of Pay Roll	\$8,493,133.24	\$7,810,797.08
Number of Employees	67,476	63,462
<u>DAILY AVEPAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$38.77	\$37.43
Operating Expenses	\$31.37	\$30.68
No. of tons Moved One Mile (Rev. Fr.)	1,755	1,774
No. of tons Moved One Mile (All Fr.)	2,379	2,074
No. of Rev. Pass. Carried One Mile	476	434
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$5.17	\$5.66
No. of Tons of Freight (Rev. Fr.)	399.6	452.3
No. of Tons of Freight (All Fr.)	541.6	528.9
Loaded Freight Cars	21.9	23.6
Empty Freight Cars	11.4	8.5
<u>#AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenues	\$2.94	\$2.84
Passengers Carried	101.2	95.5
Passenger Cars	8.3	8.0
Average Operating Expenses per train mile	\$3.32	\$3.48
Average Length of Haul (Rev. Fr.) Miles	306.2	324.7
Average Passenger Journey Miles	124.9	116.1
Average Tons per Loaded Fr. Car	24.8	22.4
Av. Fr. Receipt per Rev. Ton Mile	1.294¢	1.252¢
Av. Passenger Receipt per Pass. per Mile	2.210¢	2.220¢
Ratio of Pay Roll to Operating Revenues	50.8%	48.5%
Ratio of Pay Roll to Operating Expenses	62.7%	59.2%
Ratio of Operating Expenses to Revenues	80.91%	81.97%

- 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 August, 1923

	<u>OPERATING REVENUES</u>	<u>1923</u>	<u>1922</u>
Canadian Lines	\$18,584,990.94	\$17,551,719.51	
Duluth, Winnipeg & Pacific	175,498.18	170,152.29	
Grand Trunk Western Lines	2,965,450.00	2,423,333.24	
New England Lines	242,355.06	256,966.00	
Total	21,968,294.18	20,402,171.04	

	<u>OPERATING EXPENSES</u>	
Canadian Lines	\$17,403,539.60	\$17,082,193.08
Duluth, Winnipeg & Pacific	174,944.01	156,150.81
Grand Trunk Western Lines	2,044,552.83	1,842,991.25
New England Lines	317,872.59	283,941.67
Total	19,940,909.03	19,365,276.81

	<u>NET OPERATING REVENUES</u>	
Canadian Lines	\$1,181,451.34	\$469,526.43
Duluth, Winnipeg & Pacific	554.17	14,001.48
Grand Trunk Western Lines	920,897.17	580,341.99
New England Lines	Dr. 75,517.53	Dr. 26,975.67
Total	2,027,385.15	1,036,894.23

SUMMARY

For Eight Months - January - August.

	<u>1923</u>	<u>1922</u>
<u>ALL RAILWAYS</u>		
Operating Revenues	\$286,805,062.97	\$263,539,821.93
Operating Expenses	263,595,778.64	246,846,623.82
Net Operating Revenues	23,209,284.33	16,693,198.11

CANADIAN NATIONAL RAILWAYS

Operating Revenues - Canadian Lines	\$133,902,913.78	\$122,488,292.20
United States Lines	25,846,901.71	20,019,454.74
Total	159,749,815.49	142,507,746.94
Operating Expenses - Canadian Lines	\$134,954,301.22	\$127,177,431.37
United States Lines	19,783,668.78	16,496,414.08
Total	154,737,970.00	143,673,845.45
Net Operating Revenue-Canadian Lines	Dr.\$1,051,387.44	Dr.\$4,689,139.17
United States Lines	6,063,232.93	3,523,040.66
Total	5,011,845.49	Dr.1,166,098.51

CANADIAN PACIFIC RAILWAYS

Operating Revenues	\$112,938,967.90	\$108,232,426.23
Operating Expenses	99,602,503.10	93,370,505.16
Net Operating Revenues	13,336,464.80	14,861,921.07