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DOMINION BUREAU OF STATISTICS

CANADA  
DOMINION BUREAU OF STATISTICS  
TRANSPORTATION BRANCH

OPERATING REVENUES EXPENSES & STATISTICS  
of  
RAILWAYS  
With Annual Operating Revenues of \$500,000  
For  
AUGUST  
1924

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Published by Authority of the Hon. Thos. A. Low. M. P.,  
Minister of Trade and Commerce.

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OTTAWA

1924



DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OTTAWA

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

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OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000.

For the Month of August, 1924

Freight traffic on the Canadian railways during August was 17.3 per cent lighter than in August, 1923 and passenger traffic was also lighter by 18.7 per cent. Revenues consequently fell off, being \$5,572,166, or 13.8 per cent less and operating expenses were cut \$4,462,657, or 12.9 per cent, reducing the net operating revenues by \$1,109,508 and increasing the operating ratio from 85.5 per cent. to 86.38 per cent. This, however, is the lowest operating ratio reached this year and net revenues should improve with September, October and November operations. Car loadings during September and October have held well up to 1923 records and the declines were largely in low class commodities.

The average load per car was reduced 2.5 tons, due undoubtedly to a smaller per centage of freight being coal and grain. The average train load also was lighter by 38.7 net tons and 1.6 cars.

For the eight months, January - August, gross revenues were less than in 1923 by \$3,154,919, operating expenses were reduced \$4,849,734 and net operating revenues were increased by \$1,694,816.

CANADIAN NATIONAL RAILWAYS

Freight revenues showed a decrease of \$2,236,572, or 19.2 per cent. for a decrease of 12.6 per cent. in freight traffic. There was a decrease of \$296,681, or 7 per cent. in passenger receipts for a decrease of 20 per cent. in passenger traffic and gross revenues were lighter by \$2,706,612, or 14.7 per cent. Operating expenses were reduced \$756,359, or 17.2 per cent. in maintenance of way and structures, \$76,167, or 2.2 per cent. in maintenance of equipment, \$940,487, or 11.5 per cent in transportation expenses and \$1,795,337, or 10.4 per cent. in the total.

The cumulative totals to date for maintenance expenditures show very little difference from those of 1923, but transportation expenses show a saving of 7 per cent. with an increase of 2 per cent. in freight traffic and of 4 per cent. in passenger traffic.

Net revenues for the eight months were \$566,651 as against a deficit of \$982,995 in 1923 being an improvement of \$1,549,646. The lines in the United States have not been as fortunate and their net revenues of \$6,063,232 in 1923 have been reduced to \$3,361,712 which is a decline of \$2,701,520 or 45 per cent. For the entire system net operating revenues for the period January - August aggregated \$3,928,364 which was \$1,151,873 less than for 1923.



CANADIAN PACIFIC RAILWAY

Compared with August, 1923 freight traffic fell off 23.5 per cent. and passenger traffic was lighter by 19.6 per cent. Revenues also declined but not to such an extent, gross revenues being \$2,010,532, or 12.3 per cent. less. Operating expenses were cut \$2,155,194, or 16.2 per cent., increasing the net revenues by \$144,662 and reducing the operating ratio from 80.89 per cent. to 77.21 per cent. Maintenance expenses showed the largest reductions but the total expenditures from the first of the year for maintenance of way and structures and equipment are some \$1,700,000 greater than for the corresponding period in 1923, due to heavier expenditures in the early months of this year.

Average receipts per ton mile increased from 1.281 cents to 1.372 cents but the average load per car fell off 3.3 tons, reducing both the average train loading and the average freight revenue per train mile. The average receipts per passenger per mile increased from 2.199 cents to 2.391 cents but the traffic was so much lighter that revenues per passenger train mile were reduced 7 per cent.

For the eight months ended August 31, the gross revenues have increased over those of the same period last year by \$2,023,470, or 1.8 per cent. and net revenues have been increased by \$2,285,743, or 18 per cent.

31/10/24.

## OPERATING REVENUES, EXPENSES &amp; STATISTICS

## STEAM RAILWAYS OF CANADA

With Annual Operating Revenues of \$500,000.

For the Month of August, 1924

1924

1923

OPERATING REVENUES

Freight	\$20,378,907.86	\$24,964,944.96
Passenger	9,145,704.31	10,130,101.65
Mall	590,580.72	594,349.82
Express	1,829,364.32	1,979,333.30
Other Freight Train	267.48	155.09
Other Passenger Train	851,867.06	783,686.80
Water Line	320,375.34	375,239.21
All Other	1,730,267.80	1,591,690.22
Total Railway Operating Revenues	34,847,334.89	40,419,501.05

OPERATING EXPENSES

Maint. of Way and Structures	\$6,966,555.90	\$8,595,187.99
Maint. of Equipment	6,362,589.41	7,376,843.96
Traffic	1,230,717.44	1,190,967.77
Transportation	14,157,534.27	15,930,760.43
Misc. Operations	515,277.87	522,632.41
General	993,331.95	979,088.06
Trans. for Investment	124,155.27	80,971.73
Total Railway Operating Expenses	30,101,851.57	34,564,508.89

OPERATING INCOME

Net Operating Revenue	\$4,745,483.32	\$5,854,992.16
Railway Tax Accruals	696,144.99	586,691.64
Uncollectable Revenues	372.88	1,216.42
Hire of Equipment	Cr. 59,970.82	Dr. 74,533.25
Joint Facilities Rents	Dr. 125,195.45	Dr. 97,577.90
Operating Income	3,983,740.82	5,094,972.95

OPERATING STATISTICS

Average Miles of Road Operated	38,788.04	38,451.83
No. of Tons Carried (Rev.Fr.)	6,867,185	8,404,244
No. of Tons Carried One Mile " "	1,599,078,044	1,933,689,767
No. of Tons Carried (All Fr.)	8,188,633	11,062,346
No. of Tons Carried One Mile " "	1,877,691,227	2,458,962,578
No. of Revenue Pass. Carried	4,354,087	4,615,388
No. of Rev. Pass. Carried One Mile	357,762,198	439,849,276
# Freight Train Miles	3,954,356	4,788,218
# Passenger Train Miles	4,429,312	4,568,225
Total Train Miles (Rev. & Non Rev.)	8,383,140	9,370,633
Freight Car Miles-Loaded	89,056,117	104,352,219
Freight Car Miles-Empty	39,270,258	53,538,730
Passenger Train Car Miles	32,667,438	39,858,259
Total Amount of Pay Roll	\$19,267,039.00	\$22,526,734.27
Number of Employees	165,456	184,274

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operated Revenue	\$28.98	\$33.91
Operating Expenses	\$25.03	\$29.00
No. of Tons Moved One Mile (Rev.Fr.)	1,330	1,622
No. of Tons Moved One Mile (All Fr.)	1,562	2,063
No. of Rev. Pass. Carried One Mile	298	368

# AVERAGES PER FREIGHT TRAIN MILE

Freight Revenue	\$5.15	\$5.21
No. of Tons of Freight (Rev.Fr.)	404.4	403.8
No. of Tons of Freight (All Fr.)	474.0	513.5
Loaded Freight Cars	22.5	21.8
Empty Freight Cars	9.9	11.2

# AVERAGES PER PASSENGER TRAIN MILE

Passenger Train Revenues	\$2.80	\$2.95
Passengers Carried	80.8	95.3
Passenger Cars	7.4	8.7
Average Operating Expenses per train mile	\$3.41	\$3.47
Average Length of Haul (Rev.Fr.) Miles	232.8	230.1
Average Passenger Journey Miles	82.2	95.3
Average Tons per loaded fr. car.	21.1	23.6
Av. Fr. Receipt per Rev. Ton Mile	1.274¢	1.291¢
Av. Passenger Receipt per Pass. per Mile	2.556¢	2.303¢
Ratio of Pay Roll to Operating Revenues	55.3%	55.7%
Ratio of Pay Roll to Operating Expenses	64.0%	65.2%
Ratio of Operating Expenses to Revenues	86.38%	85.51%

# Contains a proportion of mixed train miles.



## OPERATING REVENUES, EXPENSES &amp; STATISTICS

## CANADIAN NATIONAL RYS.

For the Month of August, 1924

	1924	1923
<u>OPERATING REVENUES</u>		
Freight	\$9,395,293.39	\$11,631,866.00
Passenger	3,946,674.29	4,243,356.00
Mail	261,602.97	255,400.00
Express	1,189,906.88	1,239,450.00
Other Freight Train	-	-
Other Passenger Train	335,031.23	255,040.00
Water Line	-	-
All Other	534,328.75	744,337.67
Total Railway Operating Revenues	15,662,837.51	18,369,449.67
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$3,632,904.51	\$4,389,263.69
Maint. of Equipment	3,435,413.37	3,511,580.47
Traffic	447,227.40	435,593.45
Transportation	7,240,680.13	8,181,167.87
Misc. Operations	212,403.27	208,467.35
General	556,243.34	547,781.91
Trans. for Investment	Cr. 114,916.76	Cr. 68,562.24
Total Railway Operating Expenses	15,409,955.26	17,205,292.50
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$252,882.25	\$1,164,157.17
Railway Tax Accruals	297,218.04	161,223.66
Uncollectable Revenues	292.03	970.64
Hire of Equipment	Cr. 252,785.07	Dr. 23,246.32
Joint Facilities Rents	Cr. 10,734.50	Cr. 33,097.45
Operating Income	218,891.75	1,011,814.00
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,521.49	20,427.36
No. of Tons Carried (Rev. Fr.)	2,860,036	3,714,018
No. of Tons Carried One Mile " "	793,500,318	907,443,119
No. of Tons Carried (All Fr.)	3,512,889	4,741,158
No. of Tons Carried One Mile " "	930,428,026	1,152,229,872
No. of Rev. Passengers Carried	2,153,247	2,270,543
No. of Rev. Pass. Carried One Mile	154,357,281	192,851,234
Freight Train Miles	1,945,266	2,356,500
Passenger Train Miles	1,997,614	2,067,424
Total Train Miles (Rev. & Non Rev.)	4,244,764	4,342,352
Freight Car Miles-Loaded	43,273,269	49,609,639
Freight Car Miles-Empty	18,618,041	25,662,313
Passenger Train Car Miles	15,372,335	19,330,780
Total Amount of Pay Roll	\$ 10,701,861	\$ 12,202,825
Number of Employees	93,056	103,475
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$ 24.62	\$ 29.01
Operating Expenses	\$ 24.22	\$ 27.17
No. of Tons Moved One Mile (Rev. Fr.)	1,247	1,433
No. of Tons Moved One Mile (All Fr.)	1,463	1,810
No. of Rev. Pass. Carried One Mile	243	305
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.83	\$4.94
No. of Tons of Freight (Rev. Fr.)	407.9	385.1
No. of Tons of Freight (All Fr.)	478.3	489.0
Loaded Freight Cars	22.2	21.1
Empty Freight Cars	9.6	10.9
<u>AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenues	\$2.87	\$2.90
Passengers Carried	77.3	93.3
Passenger Cars	7.7	9.3
Average Operating Expenses per train mile	\$3.63	\$3.55
Average Length of Haul (Rev. Fr.) Miles	277.4	244.3
Average Passenger Journey Miles	71.7	84.2
Average Tons per Loaded Fr. Car	21.5	23.2
Fr. Receipt per Rev. Ton Mile	1.184%	1.282%
Passenger Receipt per Pass. Per Mile	2.557%	2.200%
Ratio of Pay Roll to Operating Revenues	68.3%	66.4%
Ratio of Pay Roll to Operating Expenses	69.4%	70.2%
Ratio of Operating Expenses to Revenues	98.39%	93.66%

# Contains a proportion of mixed train miles.

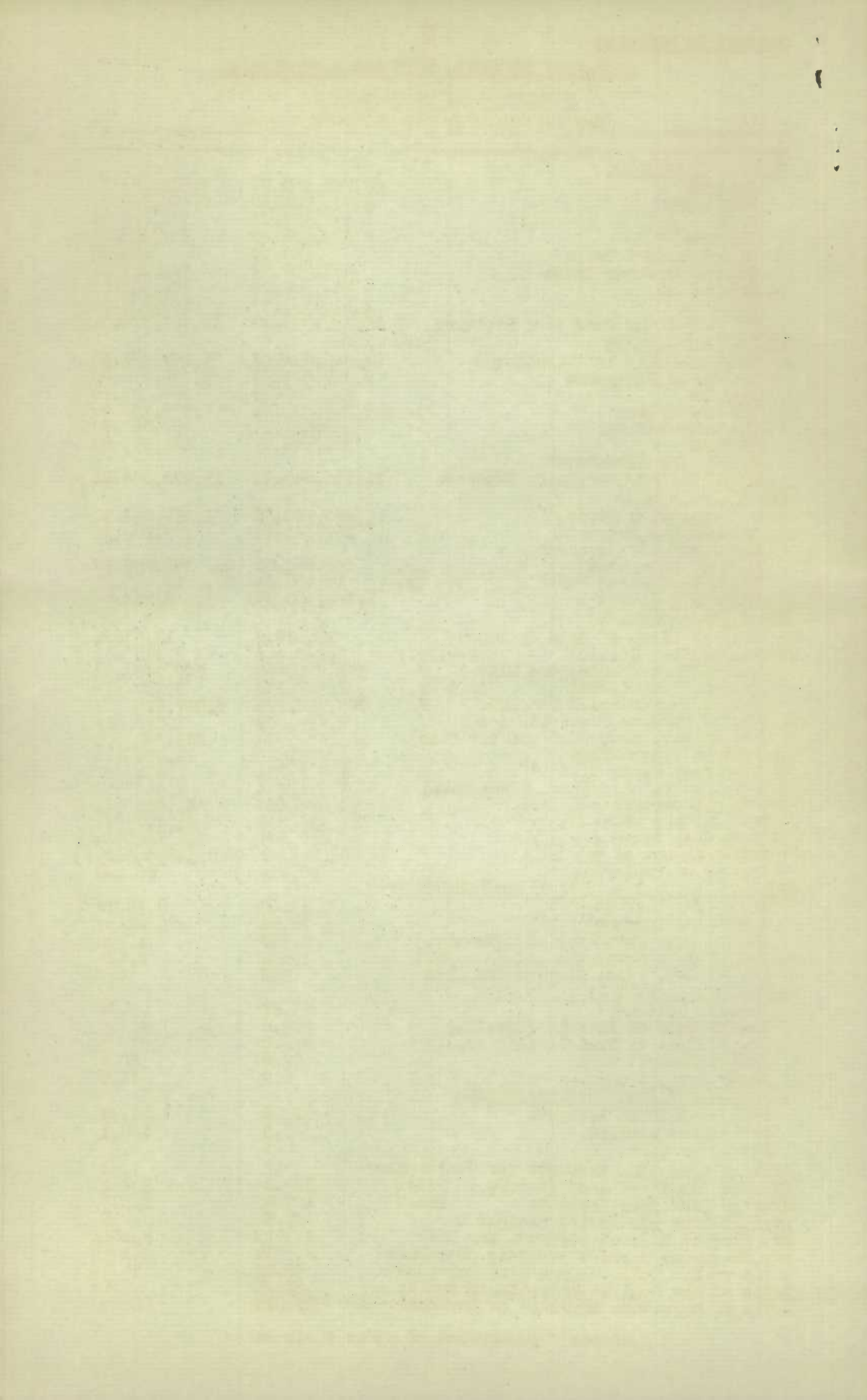


OPERATING REVENUES, EXPENSES & STATISTICSCANADIAN PACIFIC RAILWAY

For the Month of August, 1924.

	1924	1923
<u>OPERATING REVENUES</u>		
Freight	\$7,855,980.88	\$ 9,581,653.13
Passenger	3,900,341.68	4,470,339.60
Mail	278,579.93	290,470.26
Express	535,209.29	617,338.11
Other Freight Train	559.59	789.85
Other Passenger Train	488,377.93	501,265.21
Water Line	304,047.72	306,302.11
All Other	1,028,258.85	639,725.84
Total Railway Operating Revenues	14,397,355.87	16,407,888.51
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$2,346,024.57	\$3,057,483.16
Maint. of Equipment	2,227,993.53	3,005,660.44
Traffic	711,483.85	684,806.14
Transportation	5,297,678.61	5,979,231.06
Misc. Operations	252,917.13	262,669.72
General	280,546.63	281,993.69
Trans. for Investment	-	-
Total Railway Operating Expenses	11,116,649.32	13,271,844.21
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$3,280,706.55	\$3,136,044.30
Railway Tax Accruals	287,146.44	287,784.71
Uncollectable Revenues	-	-
Hire of Equipment	Cr. 158,861.80	Cr. 258,795.58
Joint Facilities Rents	Cr. 16,168.64	Cr. 10,003.27
Operating Income	3,168,590.55	3,117,058.44
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	13,814.7	13,536.1
No. of Tons Carried (Rev.Fr.)	1,740,496	2,238,633
No. of Tons Carried One Mile " "	572,536.490	747,948.532
No. of Tons Carried (All Fr.)	2,303,158	3,130,574
No. of Tons Carried One Mile " "	707,392.990	1,017,074.262
No. of Revenue Pass. Carried	1,494,009	1,578,617
No. of Rev. Pass. Carried One Mile	163,402.499	203,284.530
# Freight Train Miles	1,491,885	1,358,216
# Passenger Train Miles	1,816,234	1,990,401
Total Train Miles (Rev. & Non Rev.)	3,311,254	3,999,563
Freight Car Miles-Loaded	32,345,600	41,010,711
Freight Car Miles-Empty	13,326,908	21,320,531
Passenger Train Car Miles	15,429,977	16,748,349
Total Amount of Pay Roll	\$6,858,205.47	\$8,338,440.13
Number of Employees	58,414	66,168
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$ 33.62	\$ 39.10
Operating Expenses	\$ 25.96	\$ 31.63
No. of Tons Moved One Mile (Rev.Fr.)	1,337	1,732
No. of Tons Moved One Mile (All Fr.)	1,552	2,424
No. of Rev. Pass. Carried One Mile	382	484
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$5.27	\$5.16
No. of Tons of Freight (Rev.Fr.)	383.8	402.5
No. of Tons of Freight (All Fr.)	474.2	547.3
Loaded Freight Cars	22.0	22.1
Empty Freight Cars	8.9	11.5
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenues	\$2.72	\$2.95
Passengers Carried	85.3	102.1
Passenger Cars	8.1	8.4
Average Operating Expenses per train mile	\$ 3.17	\$ 3.32
Average Length of Haul (Rev.Fr.) Miles	329.0	334.1
Average Passenger Journey Miles	109.4	128.3
Average Tons per Loaded Freight Car	21.5	24.8
Av. Freight Receipt per Rev. Ton Mile	1.372¢	1.281¢
Av. Passenger Receipt per Pass. Per Mile	2.391¢	2.199¢
Ratio of Pay Roll to Operating Revenues	47.6%	50.8%
Ratio of Pay Roll to Operating Expenses	61.7%	62.8%
Ratio of Operating Expenses to Revenues	77.21%	80.89%

# Contains a proportion of mixed train miles





CANADIAN NATIONAL SYSTEM  
(Steam Lines in Canada & United States)  
For the Month of August, 1924-1923

OPERATING REVENUES

	<u>1924</u>	<u>1923</u>
Canadian Lines	\$15,662,837.51	\$18,369,449.67
Duluth, Winnipeg & Pacific	158,741.00	175,498.18
Grand Trunk Western Lines	2,352,404.00	2,965,460.00
New England Lines	149,955.49	242,355.06
Total	18,323,938.00	21,752,752.91

OPERATING EXPENSES

Canadian Lines	\$15,409,955.26	\$17,205,292.50
Duluth, Winnipeg & Pacific	145,900.49	174,944.01
Grand Trunk Western Lines	1,845,982.56	2,044,552.83
New England Lines	208,416.43	317,872.59
Total	17,610,254.74	19,742,661.93

NET OPERATING INCOME

Canadian Lines	\$ 252,832.25	\$1,164,157.17
Duluth, Winnipeg & Pacific	Cr. 12,840.51	554.17
Grand Trunk Western Lines	Cr. 506,421.44	920,897.17
New England Lines	Dr. 58,460.94	Dr. 75,517.53
Total	713,683.26	2,010,090.98

OPERATING INCOME

Canadian Lines	\$ 218,891.75	\$ 1,011,814.00
Duluth, Winnipeg & Pacific	11,860.35	Dr. 20,755.49
Grand Trunk Western Lines	60,558.28	465,515.63
New England Lines	Dr. 134,270.08	Dr. 146,865.29
Total	157,040.30	1,309,708.85

SUMMARY

For Eight Months ended August 31.

	<u>1924</u>	<u>1923</u>
Operating Revenues	\$282,346,072.34	\$285,500,991.08
Operating Expenses	257,341,682.10	262,191,416.53
Net Operating Revenues	25,004,390.74	23,309,574.55
Operating Income	21,449,786.98	21,457,756.43

CANADIAN NATIONAL RAILWAYS

Operating Revenues - Canadian Lines	\$130,144,389.73	\$132,644,309.87
United States Lines	23,028,776.27	25,846,901.71
Total	153,173,166.00	158,491,711.58
Operating Expenses - Canadian Lines	\$129,577,738.21	\$133,627,805.44
United States Lines	19,667,063.64	19,783,668.78
Total	149,244,801.85	153,411,474.22
Net Operating Revenues-Canadian Lines	\$566,651.52	Dr. \$982,995.57
United States Lines	3,361,712.63	6,063,232.93
Total	3,928,364.15	5,080,237.35
Operating Income - Canadian Lines	\$961,424.27	Dr. \$157,820.03
United States Lines	Dr. 641,783.20	1,133,421.94
Total	319,641.07	975,601.91

CANADIAN PACIFIC RAILWAY

Operating Revenues	\$ 112,585,134.04	\$ 110,561,664.41
Operating Expenses	97,395,751.33	97,658,025.06
Net Operating Revenues	15,189,382.71	12,903,639.35
Operating Income	15,898,236.95	14,753,452.88

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