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DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH

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

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OTTAWA
1924

DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OTTAWA

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OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000.

For the Month of April, 1924

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The railways as a whole showed not only a seasonal decline from March in freight traffic, but revenue ton miles also showed a decrease from April 1923 of 7.6 per cent and freight revenues were less by \$2,225,115, or 8.5 per cent. Passenger traffic, however, was 16 per cent heavier and passenger revenues were increased by \$606,161, or 10.3 per cent and total revenues showed a decrease of \$1,303,883 or 3.6 per cent. Operating expenses were reduced by \$677,374, or 2.1 per cent despite substantial increases in maintenance expenses mainly by a reduction of \$1,344,710 in transportation expenses. The reduction in net operating revenues was \$626,508 and the operating ratio increased from 88.57 per cent to 89.95 per cent.

Grain loading fell off the first two weeks in April but picked up after the opening of navigation. Also pulpwood showed a marked seasonal decline and coal loading in the west was cut in half by labour troubles. These with a reduction in the United States freight coming into Canada were the chief factors in the reduced tonnage.

There was practically no change from last year in the total pay roll and number of employees; also the average net ton per train and per car showed little change. The passengers per train increased 10 per cent and passenger train revenue per train mile was greater by 5 per cent.

The net operating revenues and operating income for January - April ^{were} still well above those for 1923 being \$12,053,072 and \$10,674,437 respectively as against \$4,849,533 and \$4,432,982 for 1923.

CANADIAN NATIONAL RAILWAYS - Freight revenues were \$1,649,339 or 12.9 per cent less than for April, 1923; freight traffic was also 15.5 per cent lighter. Passenger traffic was 21.5 per cent heavier and passenger receipts were greater by \$305,106, or 12.1 per cent. Maintenance of way and structures expenses were heavier by \$87,614 but maintenance of equipment expenses were cut \$212,572 or 5.3 per cent.

In the four months January - April a saving has been made in maintenance of way and structures of \$1,396,665, in maintenance of equipment of \$254,449 and in transportation expenses of \$3,041,982 and a saving in total expenses of \$4,360,895 on the Canadian lines and \$4,171,819 on the entire system.

With the total revenues reduced by \$1,156,661 or 6.7 per cent and operating expenses by \$957,199 or 5.9 per cent, net revenues were less by \$199,461 and the operating ratio was increased from 94.49 per cent for April, 1923 to 95.33 per cent. With lighter traffic the average load per train decreased 26.8 net tons and the average load per car was lighter by 1.5 tons.

CANADIAN PACIFIC RAILWAY - Although freight traffic was heavier than in April, 1923 by 7.8 per cent, freight revenues were less by \$54,574, or .6 per cent. Passenger traffic was heavier by 13.3 per cent and passenger revenues were greater by \$247,637, or 10 per cent and total revenues were increased by \$274,103, or 2.1 per cent.

Operating expenses were increased by \$366,144 or 3.2 per cent mainly by larger expenditures on maintenance of way and structures and maintenance of equipment. For the four months maintenance of way and structures expenses were heavier than in 1923 by \$1,436,993 and maintenance of equipment by \$1,668,403 but a saving was effected in transportation expenses of \$690,445. Total operating expenses have been heavier by \$2,482,730. Revenues, however, were increased by \$4,033,499 increasing the net operating revenues by \$1,550,768 and the operating income by \$1,057,853.

The pay roll for the month showed an increase of \$391,867 or 5.9 per cent for an increase in the number of employees of 3,147 or 5.5 per cent.

By increasing the train loading by 48.1 net tons, the freight train mileage was reduced despite the increase of 8.3 per cent in tonnage moved.

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OPERATING REVENUES, EXPENSES & STATISTICSSTEAM RAILWAYS OF CANADAWith Annual Operating Revenues of \$500,000.For the Month of April, 1924

1924

1923

OPERATING REVENUES

Freight	\$24,080,963.07	\$26,306,078.79
Passenger	6,482,253.04	5,882,091.87
Mail	522,090.93	562,842.74
Express	1,666,801.38	1,504,265.07
Other Freight Train	2,173.66	4,199.52
Other Passenger Train	470,536.52	464,961.79
Water Line	76,833.46	51,194.28
All Other	1,282,664.42	1,193,465.35
Total Railway Operating Revenues	34,665,216.48	35,969,099.41

OPERATING EXPENSES

Maintl. of Way and Structures	\$6,116,962.94	\$5,488,154.00
Maint. of Equipment	7,750,507.33	7,735,904.50
Traffic	1,150,235.74	1,115,154.58
Transportation	14,806,998.43	16,151,708.50
Misc. Operations	402,166.07	360,718.86
General	958,881.12	1,023,510.44
Trans. for Investment	Cr. 5,592.88	17,617.20
Total Railway Operating Expenses	31,180,158.75	31,857,533.68

OPERATING INCOME

Net Operating Revenue	\$3,485,057.73	\$4,111,565.73
Railway Tax Accruals	563,310.58	548,577.62
Uncollectable Revenues	751.95	3,054.21
Hire of Equipment	Cr. 409,729.34	Cr. 602,239.29
Joint Facilities Rents	Dr. 20,690.56	Dr. 120,174.83
Operating Income	3,310,033.98	4,041,998.36

OPERATING STATISTICS

Average Miles of Road Operated	38,681.07	38,492.88
No. of Tons Carried (Rev.Fr.)	8,017,615	9,141,643
No. of Tons Carried One Mile " "	2,267,328,406	2,452,328,607
No. of Tons Carried (All Fr.)	9,332,950	10,765,473
No. of Tons Carried One Mile " "	2,569,965,620	2,810,241,751
No. of Rev. Pass. Carried	3,550,911	3,463,506
No. of Rev. Pass. Carried One Mile	232,485,486	200,408,021
# Freight Train Miles	4,565,338	4,958,181
# Passenger Train Miles	3,696,156	3,541,907
Total Train Miles (Rev. & Non Rev.)	8,493,298	8,668,147
Freight Car Miles-Loaded	104,205,632	115,040,215
Freight Car Miles-Empty	46,763,092	47,353,559
Passenger Train Car Miles	26,294,298	24,138,497
Total Amount of Pay Roll	\$18,673,740.73	\$18,639,187.72
Number of Employees	156,025	155,916

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operating Revenue	\$29.87	\$31.15
Operating Expenses	\$26.87	\$27.59
No. of Tons Moved One Mile (Rev.Fr.)	1,954	2,124
No. of Tons Moved One Mile (All Fr.)	2,215	2,434
No. of Rev. Pass. Carried One Mile	27.00	174

AVERAGES PER FREIGHT TRAIN MILE

Freight Revenue	\$5.28	\$5.31
No. of Tons of Freight (Rev.Fr.)	496.6	494.7
No. of Tons of Freight (All Fr.)	562.9	566.8
Loaded Freight Cars	22.8	23.2
Empty Freight Cars	10.2	9.6

AVERAGES PER PASSENGER TRAIN MILE

Passenger Train Revenues	\$2.50	\$2.38
Passengers Carried	62.9	56.6
Passenger Cars	7.1	6.8
Average Operating Expenses per train mile	3.67	3.68
Average Length of Haul (Rev.Fr.) Miles	282.8	268.3
Average Passenger Journey Miles	65.5	57.9
Average Tons per Loaded Fr. Car	24.7	24.4
Av. Fr. Receipt per Rev. Ton Mile	1.062¢	1.072¢
Av. Passenger Receipt per Pass. per Mile	2.791¢	2.5935¢
Ratio of Pay-Roll to Operating Revenues	53.9%	51.8%
Ratio of Pay-Roll to Operating Expenses	59.9%	58.5%
Ratio of Operating Expenses to Revenues	89.95%	80.57%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICSCANADIAN NATIONAL RYS.

For the Month of April, 1924

1924

1923

OPERATING REVENUES

Freight	\$11,178,722.00	\$12,823,061.90
Passenger	2,818,586.95	2,513,480.57
Mail	257,923.62	223,001.35
Express	1,125,614.75	952,962.48
Other Freight Train	54.27	500.00
Other Passenger Train	182,229.54	179,288.94
Water Line	-	75.00
All Other	478,842.74	501,264.66
Total Railway Operating Revenues	16,041,973.89	17,198,634.90

OPERATING EXPENSES

Maint. of Way and Structures	\$2,668,637.29	\$2,581,022.44
Maint. of Equipment	3,824,113.51	4,036,685.81
Traffic	431,122.46	397,640.05
Transportation	7,705,223.20	8,531,900.77
Misc. Operations	159,317.73	139,043.57
General	505,826.44	577,487.19
Trans. for Investment	Cr. 1,146.18	Cr. 13,485.66
Total Railway Operating Expenses	15,293,094.45	16,250,294.17

OPERATING INCOME

Net Operating Revenue	\$ 748,879.44	\$ 948,340.73
Railway Tax Accruals	217,349.16	204,052.22
Uncollectable Revenues	615.45	2,941.30
Hire of Equipment	Cr. 301,628.69	Cr. 384,135.88
Joint Facilities Rents	Cr. 69,583.55	Dr. 2,841.97
Operating Income	902,127.07	1,122,641.12

OPERATING STATISTICS

Average Miles of Road Operated	20,571.51	20,463.57
No. of Tons Carried (Rev. Fr.)	3,174,922	3,855,543
No. of Tons Carried One Mile " "	1,076,953.720	1,274,140.064
No. of Tons Carried (All Fr.)	3,822,330	4,790,658
No. of Tons Carried One Mile " "	1,230,800.124	1,496,719.232
No. of Revenue Pass. Carried	1,850,867	1,826,760
No. of Revenue Pass. Carried One Mile	108,133.155	89,001.242
# Freight Train Miles	2,236,121	2,593,104
# Passenger Train Miles	1,720,002	1,625,737
Total Train Miles, (Rev. & Non Rev.)	4,081,209	4,261,909
Freight Car Miles-Loaded	51,031,024	58,514,363
Freight Car Miles-Empty	22,225,481	25,419,571
Passenger Train Car Miles	12,071,535	10,823,494
Total Amount of Pay Roll	\$ 9,940,067	\$ 10,190,015
Number of Employees	82,922	85,757

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operating Revenue	\$25.99	\$28.01
Operating Expenses	\$24.78	\$26.46
No. of Tons Moved One Mile (Rev. Fr.)	1,745	2,075
No. of Tons Moved One Mile (All Fr.)	1,994	2,437
No. of Rev. Pass. Carried One Mile	175	145

AVERAGES PER FREIGHT TRAIN MILE

Freight Revenue	\$4.99	\$4.95
No. of Tons of Freight (Rev. Fr.)	481.6	491.4
No. of Tons of Freight (All Fr.)	550.4	577.2
Loaded Freight Cars	22.8	22.6
Empty Freight Cars	9.9	9.8

AVERAGES PER PASSENGER TRAIN MILE

Passenger Train Revenues	\$2.55	\$2.38
Passengers Carried	62.9	54.7
Passenger Cars	7.0	6.7
Average Operating Expenses per train mile	3.75	3.81
Average Length of Haul (Rev. Fr.) Miles	332.2	330.5
Average Passenger Journey Miles	58.4	48.7
Average Tons per Loaded Fr. Car	24.1	25.6
Av. Freight Receipt per Rev. Ton Mile	1.038¢	1.007¢
Av. Passenger Receipt per Pass. per Mile	2.607¢	2.224¢
Ratio of Pay Roll to Operating Revenues	62.0%	59.2%
Ratio of Pay Roll to Operating Expenses	66.0%	62.7%
Ratio of Operating Expenses to Revenues	95.33%	94.49%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RLY.

For the Month of April, 1924

	1924	1923
<u>OPERATING REVENUES</u>		
Freight	\$9,110,727.05	\$9,165,301.74
Passenger	2,703,878.06	2,456,240.11
Mail	289,524.29	293,638.31
Express	440,226.41	440,837.76
Other Freight Train	860.82	1,260.29
Other Passenger Train	263,472.42	263,504.17
Water Line	49,694.85	51,097.04
All Other	623,672.83	536,074.01
Total Railway Operating Revenues	13,482,056.73	13,207,953.43
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$2,506,371.00	\$2,039,573.63
Maint. of Equipment	3,020,329.26	2,819,722.87
Traffic	645,644.05	642,736.51
Transportation	5,320,981.93	5,640,104.39
Misc. Operations	199,480.79	181,237.04
General	291,642.38	294,930.08
Trans. for Investment	-	-
Total Railway Operating Expenses	11,984,449.41	11,618,304.52
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$1,497,607.32	\$1,589,648.91
Railway Tax Accruals	247,441.34	246,361.78
Uncollectable Revenues	-	-
Hire of Equipment	Cr. 480,273.87	Cr. 576,606.17
Joint Facilities Rents	Cr. 24,477.71	30,986.10
Operating Income	1,754,917.56	1,950,879.40
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	13,657.7	13,536.1
No. of Tons Carried (Rev.Fr.)	2,047,938	2,088,332
No. of Tons Carried One Mile " "	909,705,871	843,697,336
No. of Tons Carried (All Fr.)	2,598,412	2,669,137
No. of Tons Carried One Mile " "	1,050,697,805	969,779,111
No. of Rev. Pass. Carried	1,166,688	1,121,368
No. of Rev. Pass Carried One Mile	95,202,757	83,991,547
Freight Train Miles	1,731,569	1,735,708
Passenger Train Miles	1,506,942	1,452,925
Total Train Miles (Rev. & Non Rev.)	3,238,511	3,188,633
Freight Car Miles-Loaded	38,738,701	39,934,922
Freight Car Miles-Empty	16,234,001	15,299,151
Passenger Train Car Miles	10,955,615	10,116,215
Total Amount of Pay Roll	\$7,067,791.70	\$6,675,924.23
Number of Employees	59,874	56,727
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$32.90	\$32.53
Operating Expenses	\$29.25	\$28.61
No. of Tons Moved One Mile (Rev.Fr.)	2,220	2,078
No. of Tons Moved One Mile (All Fr.)	2,564	2,388
No. of Rev. Pass. Carried One Mile	232	207
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$5.26	\$5.28
No. of Tons of Freight (Rev.Fr.)	525.4	486.1
No. of Tons of Freight (All Fr.)	606.8	558.7
Loaded Freight Cars	22.4	22.0
Empty Freight Cars	9.4	8.8
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenues	\$2.45	\$2.38
Passengers Carried	63.2	57.8
Passenger Cars	7.3	7.0
Average Operating Expenses per train mile	\$3.60	\$3.54
Average Length of Haul (Rev.Fr.) Miles	444.2	404.0
Average Passenger Journey Miles	81.6	74.9
Average Tons per Loaded Fr. Car	27.1	24.3
Average Freight Receipt per Rev.Ton Mile	1.002¢	1.086¢
Average Pass. Receipt per Pass.per Mile	2.840¢	2.924¢
Ratio of Pay Roll to Operating Revenues	52.4%	50.5%
Ratio of Pay Roll to Operating Expenses	59.0%	57.5%
Ratio of Operating Expenses to Revenues	88.89%	87.96%

Contains a proportion of mixed train miles.



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CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada & United States)

For the Month of April, 1924

OPERATING REVENUES

	1924	1923
Canadian Lines	\$16,041,973.89	\$17,198,634.90
Duluth, Winnipeg & Pacific Ry.	177,675.00	211,399.08
Grand Trunk Western Lines	2,553,860.00	2,999,382.68
New England Lines	77,584.11	343,796.00
Total	19,051,093.00	20,753,212.66

OPERATING EXPENSES

Canadian Lines	\$15,293,094.45	\$16,250,294.17
Duluth, Winnipeg & Pacific Ry.	144,310.82	188,825.97
Grand Trunk Western Lines	2,079,855.86	1,921,145.93
New England Lines	278,137.95	269,219.82
Total	17,795,399.18	18,629,485.89

NET OPERATING REVENUES

Canadian Lines	\$ 747,879.44	\$ 948,340.73
Duluth, Winnipeg & Pacific Ry.	33,364.18	22,573.11
Grand Trunk Western Lines	474,004.04	1,078,236.75
New England Lines	Dr. 553.84	74,576.18
Total	Cr. 1,255,693.82	Cr. 2,123,726.77

OPERATING INCOME

Canadian Lines	Cr. \$ 902,127.07	Cr. \$1,122,641.12
Duluth Winnipeg & Pacific Ry.	23,564.55	3,501.73
Grand Trunk Western Lines	35,993.35	577,115.46
New England Lines	Dr. 81,470.61	Dr. 60,144.22
Total	Cr. 880,214.36	Cr. 1,643,114.09

SUMMARY

For Four Months - January - February - March - April

ALL RAILWAYS

	1924	1923
Operating Revenues	\$137,842,334.30	\$132,263,471.03
Operating Expenses	125,789,262.02	127,413,937.27
Net Operating Revenues	12,053,072.28	4,849,533.76
Operating Income	10,674,437.119	4,482,982.32

CANADIAN NATIONAL RAILWAYS

Operating Revenues-Canadian Lines	\$63,470,950.72	\$62,270,708.95
United States Lines	12,362,770.23	12,474,467.55
Total	75,833,721.00	74,745,176.50
Operating Expenses-Canadian Lines	62,073,473.22	66,434,368.86
United States Lines	9,949,112.09	9,760,036.08
Total	72,022,585.31	76,194,404.94
Net Operating Revenue-Canadian Lines	\$1,397,477.50	Dr. \$4,163,659.91
United States Lines	2,413,658.19	2,714,431.47
Total	3,811,135.69	Dr. 1,449,228.44
Operating Income - Canadian Lines	\$1,665,952.96	Dr. 3,529,276.34
United States Lines	361,707.25	314,647.73
Total	2,027,660.91	Dr. 3,214,628.61

CANADIAN PACIFIC RAILWAY

Operating Revenues	\$ 53,979,475.44	\$49,945,976.91
Operating Expenses	48,502,166.79	46,019,436.09
Net Operating Revenues	5,477,308.65	3,926,540.82
Operating Income	6,203,965.61	5,146,112.57

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