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DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OPERATING REVENUES EXPENSES & STATISTICS

of

RAILWAYS

With Annual Operating Revenues of \$500,000

For

NOVEMBER

1924

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

OTTAWA

1925

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RECORDS SECTION

DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OTTAWA

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

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000.

For the Month of November, 1924

Compared with November, 1923 which was the high record month in the history of Canadian railways, the freight traffic for November, 1924 showed a decrease of 21.8 per cent and freight revenues were less by \$5,332,232, or 14.6 per cent. The lighter grain movement was the main factor in this large decrease. The exports, while not an accurate measure of the movement, give a rough comparison: for November, wheat exports aggregated 27,000,000 bushels in 1924 and 64,000,000 in 1923; barley showed an increase of 5,000,000 bushels and oats, a decrease of 500,000 bushels. The average haul for grain (600 to 700 miles) is so much above the averages for other freight that on a ton mile basis, such differences in tonnage as these greatly affect the total ton miles.

Passenger traffic also showed a decrease of 14.8 per cent with a decline in passenger receipts of \$1,259,091, or 18.1 per cent.

Total revenues were reduced by \$7,393,636, or 15.3 per cent, so that with a saving in operating expenses of \$5,470,555, net operating revenues were reduced by \$1,923,081. The pay roll showed a cut of \$2,494,231, or 12 per cent for a reduction of 9.4 per cent in the number of employees. Freight train revenues were increased 25 cents per train mile and the loading was only slightly below last year's.

For the eleven months, January-November, gross revenues showed a decrease of \$23,173,053, expenses, a decrease of \$21,927,997 and net operating revenues, a decrease of \$1,245,056.

CANADIAN NATIONAL RAILWAYS

With a reduction in freight traffic of 19 per cent and in passenger traffic of 16 per cent, revenues were less than in November, 1923 by \$2,707,598, or 12.9 per cent. Operating expenses were reduced by \$1,953,655, or 11.5 per cent by cutting maintenance of way and structures \$83,528, or 3.5 per cent, maintenance of equipment \$615,140, or 15.2 per cent and reducing transportation expenses by \$1,144,641, or 12.2 per cent. The operating ratio was raised from 80.49 per cent to 81.71 per cent and the net operating revenues were less by \$ 755,942. The reduction in the pay roll was \$1,010,492 or 9.1 per cent for a reduction of 6.7 per cent in the number of employees. Despite the lighter traffic, train loading was only 3 per cent lighter, the average revenue per train mile was greater by 35 cents and the average expenses per train mile were practically unchanged.

For the period January-November, the Canadian lines show an increase in net operating revenues of \$593,701 but the United States lines show a decrease of \$2,832,822, reducing the net operating revenues for the entire system by \$2,239,121.

CANADIAN PACIFIC RAILWAY

Freight traffic showed a decrease from November, 1923 of 26.2 per cent although it was 3 per cent heavier than October, 1924. Freight revenues were consequently reduced to the extent of \$3,283,338, or 19.4 per cent and passenger revenues were also down \$475,763, or 16 per cent. Total revenues showed a decline of \$4,123,678, or 18.7 per cent and net operating revenues were less by \$1,086,889. The operating ratio, however, was also reduced from 67.33 per cent to 65.88 per cent. The reduction in operating expenses amounted to \$3,036,739, or 20.4 per cent, the largest cuts being \$1,242,613 in maintenance of way and structures and \$1,195,676 in transportation expenses.

Although for the eleven months the gross revenues were reduced by \$8,669,260, expenses were cut by \$8,859,267 increasing net operating revenues by \$190,607.

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OPERATING REVENUES, EXPENSES & STATISTICS
STEAM RAILWAYS OF CANADA

With Annual Operating Revenues of \$500,000
For the Month of November, 1924

	1924	1923
OPERATING REVENUES		
Freight	\$31,085,506.80	\$36,417,738.91
Passenger	5,710,706.16	6,969,797.29
Mail	591,422.04	598,962.49
Express	1,463,443.93	1,974,736.71
Other Freight Train	5,309.05	12,411.12
Other Passenger Train	490,810.76	438,969.66
Water Line	266,961.92	409,473.44
All Other	1,402,704.37	1,588,411.98
Total Railway Operating Revenues	41,016,865.03	48,410,501.60
OPERATING EXPENSES		
Maint. of Way and Structures	\$5,056,409.67	\$6,558,219.41
Maint. of Equipment	6,691,119.53	7,901,547.99
Traffic	1,284,316.02	1,355,244.49
Transportation	16,233,037.03	18,747,662.33
Misc. Operations	342,271.49	394,698.27
General	872,638.84	1,008,944.29
Trans. for Investment	Cr. 64,927.77	Cr. 80,696.59
Total Railway Operating Expenses	30,415,064.81	35,885,620.19
OPERATING INCOME		
Net Operating Revenue	\$10,601,800.22	\$12,524,881.41
Railway Tax Accruals	824,989.52	1,710,543.60
Uncollectable Revenues	2,829.65	3,401.50
Hire of Equipment	Cr. 128,702.32	Cr. 87,502.25
Joint Facilities Rents	Dr. 96,679.20	Dr. 48,529.92
Operating Income	9,806,004.17	10,849,908.64
OPERATING STATISTICS		
Average Miles of Road Operated	39,009.51	38,498.93
No. of Tons Carried (Rev.Fr.)	9,926,475	11,221,000
No. of Tons Carried One Mile " "	3,572,741,221	4,569,783,352
No. of Tons Carried (All Fr.)	11,082,371	12,640,832
No. of Tons Carried One Mile " "	3,778,753,272	4,835,545,104
No. of Revenue Pass. Carried	3,055,043	3,264,727
No. of Rev. Pass. Carried One Mile	206,425,866	242,266,444
# Freight Train Miles	5,808,501	7,142,511
# Passenger Train Miles	3,635,453	3,699,381
Total Train Miles (Rev. & Non Rev.)	9,617,294	11,051,844
Freight Car Miles-Loaded	134,647,915	160,085,503
Freight Car Miles-Empty	76,707,061	98,663,935
Passenger Train Car Miles	25,895,153	26,695,094
Total Amount of Pay Roll	\$18,326,350.45	\$20,820,582.11
Number of Employees	149,209	164,724
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating Revenue	\$35.05	\$41.92
Operating Expenses	\$25.99	\$31.07
No. of Tons Moved One Mile (Rev.Fr.)	3,053	3,957
No. of Tons Moved One Mile (All Fr.)	3,229	4,187
No. of Rev. Pass. Carried One Mile	176	210
#AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenue	\$5.35	\$5.10
No. of Tons of Freight (Rev.Fr.)	615.1	639.8
No. of Tons of Freight (All Fr.)	650.6	677.0
Loaded Freight Cars	23.2	22.4
Empty Freight Cars	13.2	13.8
#AVERAGES PER PASSENGER TRAIN MILE		
Passenger Train Revenues	\$2.27	\$2.70
Passengers Carried	56.8	65.5
Passenger Cars	7.1	7.2
Average Operating Expenses per train mile	\$3.16	\$3.25
Average Length of Haul (Rev.Fr.) Miles	360.0	407.3
Average Passenger Journey Miles	67.6	74.2
Average Tons per Loaded Freight Car	28.1	30.2
Av. Fr. Receipt per Rev. Ton Mile	.870¢	.797¢
Av. Passenger Receipt per Pass. per Mile	2.766¢	2.877¢
Ratio of Pay Roll to Operating Revenues	44.7%	43.0%
Ratio of Pay Roll to Operating Expenses	60.3%	58.0%
Ratio of Operating Expenses to Revenues	74.15%	74.13%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICSCANADIAN NATIONAL RY.

For the Month of November, 1924

	1924	1923
<u>OPERATING REVENUES</u>		
Freight	\$14,013,033.57	\$15,668,735.60
Passenger	2,350,324.87	3,049,190.71
Mail	263,999.37	259,114.88
Express	918,399.79	1,417,497.44
Other Freight Train	-	7,000.00
Other Passenger Train	236,606.00	165,500.36
Water Line	-	-
All Other	629,206.48	552,129.64
Total Railway Operating Revenues	18,411,570.08	21,119,168.63
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$2,327,351.19	\$2,410,879.78
Maint. of Equipment	3,426,930.80	4,042,071.30
Traffic	465,776.87	502,701.71
Transportation	8,236,806.91	9,381,448.06
Miss. Operations	144,388.41	169,125.13
General	506,072.26	567,378.87
Trans. for Investment	Cr. 62,920.96	Cr. 75,543.74
Total Railway Operating Expenses	15,044,405.48	16,998,061.11
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$3,367,164.60	\$4,121,107.52
Railway Tax Accruals	319,575.57	203,529.58
Uncollectable Revenues	2,714.03	1,993.20
Hire of Equipment	Cr. 238,937.57	Cr. 14,993.86
Joint Facilities Rents	Cr. 34,514.21	Cr. 29,299.58
Operating Income	3,318,326.78	3,959,878.18
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,495.35	20,531.16
No. of Tons Carried (Rev.Fr.)	4,007,674	4,504,612
No. of Tons Carried One Mile " "	1,620,097,068	1,998,970,300
No. of Tons Carried (All Fr.)	4,553,679	5,153,805
No. of Tons Carried One Mile " "	1,713,087,444	2,120,270,380
No. of Revenue Passengers Carried	1,604,307	1,698,976
No. of Rev. Pass. Carried One Mile	91,437,412	108,805,049
# Freight Train Miles	2,710,504	3,248,909
# Passenger Train Miles	1,679,126	1,725,235
Total Train Miles (Rev. & Non Rev.)	4,503,756	5,097,719
Freight Car Miles-Loaded	64,141,733	74,169,819
Freight Car Miles-Empty	36,013,214	43,632,818
Passenger Train Car Miles	11,750,145	12,044,829
Total Amount of Pay Roll	\$10,054,466	\$11,064,958
Number of Employees	84,374	90,431
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$29.94	\$34.29
Operating Expenses	\$24.47	\$27.60
No. of Tons Moved One Mile (Rev.Fr.)	2,635	3,245
No. of Tons Moved One Mile (All Fr.)	2,786	3,442
No. of Rev. Pass. Carried One Mile	149	177
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$5.17	\$4.82
No. of Tons of Freight (Rev.Fr.)	597.7	615.3
No. of Tons of Freight (All Fr.)	632.0	652.6
Loaded Freight Cars	23.7	22.8
Empty Freight Cars	13.3	13.4
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenues	\$2.24	\$2.84
Passengers Carried	54.5	63.1
Passenger Cars	7.0	7.0
Average Operating Expenses per train mile	\$3.34	\$3.33
Average Length of Haul (Rev.Fr.) Miles	404.2	443.8
Average Passenger Journey Miles	57.0	64.0
Average Tons per Loaded Fr. Car	26.7	28.6
Av. Fr. Receipt per Rev. Ton Mile	.865¢	.784¢
Av. Passenger Receipt per Pass. per mile	2.570¢	2.802¢
Ratio of Pay Roll to Operating Revenues	54.6%	52.4%
Ratio of Pay Roll to Operating Expenses	66.8%	65.1%
Ratio of Operating Expenses to Revenues	81.71%	80.49%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RAILWAY

For the Month of November, 1924

	1924	1923
<u>OPERATING REVENUES</u>		
Freight	\$13,656,230.72	\$16,939,568.88
Passenger	2,506,156.15	2,981,919.91
Mail	277,630.33	290,147.47
Express	440,116.40	446,087.54
Other Freight Train	5,299.05	4,803.62
Other Passenger Train	233,271.07	252,511.93
Water Line	211,316.85	298,713.07
All Other	613,735.53	853,682.59
Total Railway Operating Revenues	17,943,756.10	22,067,435.01
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$2,014,714.76	\$3,257,328.17
Maint. of Equipment	2,402,105.71	2,833,531.58
Traffic	706,379.05	783,301.48
Transportation	6,322,429.65	7,518,106.29
Misc. Operations	155,976.35	180,188.37
General	219,899.39	285,838.55
Trans. for Investment	-	-
Total Railway Operating Expenses	11,821,504.91	14,858,294.44
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$6,122,251.19	\$7,209,140.57
Railway Tax Accruals	391,830.14	1,442,988.77
Uncollectable Revenues	-	-
Hire of Equipment	Cr. 287,391.08	Cr. 310,985.75
Joint Facilities Rents	Cr. 12,068.89	Cr. 33,332.80
Operating Income	6,029,381.02	6,110,470.35
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	14,025.4	13,536.1
No. of Tons Carried (Rev.Fr.)	3,404,383	3,856,192
No. of Tons Carried One Mile " "	1,693,414,679	2,294,123,728
No. of Tons Carried (All Fr.)	3,917,542	4,520,353
No. of Tons Carried One Mile " "	1,799,174,550	2,431,591,327
No. of Rev. Passengers Carried	1,028,051	1,094,968
No. of Rev. Pass. Carried One Mile	89,977,101	104,873,468
# Freight Train Miles	2,563,122	3,303,000
# Passenger Train Miles	1,483,812	1,495,843
Total Train Miles (Rev. & Non Rev.)	4,082,169	4,855,005
Freight Car Miles-Loaded	57,627,920	71,459,820
Freight Car Miles-Empty	34,345,122	48,404,360
Passenger Train Car Miles	10,832,127	11,213,576
Total Amount of Pay Roll	\$6,668,527.43	\$7,947,852.42
Number of Employees	52,030	60,822
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$42.65	\$54.34
Operating Expenses	\$28.10	\$36.59
No. of Tons Moved One Mile (Rev.Fr.)	4,025	5,649
No. of Tons Moved One Mile (All Fr.)	4,276	5,988
No. of Rev. Pass. Carried One Mile	214	258
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$5.32	\$5.13
No. of Tons of Freight (Rev.Fr.)	659.4	694.6
No. of Tons of Freight (All Fr.)	700.6	736.2
Loaded Freight Cars	22.4	21.6
Empty Freight Cars	13.4	14.7
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger Train Revenues	\$2.33	\$2.65
Passengers Carried	60.6	70.1
Passenger Cars	7.3	7.5
Average Operating Expenses per train mile	\$2.90	\$3.06
Average Length of Haul (Rev.Fr.) Miles	497.4	594.9
Average Passenger Journey Miles	87.5	95.8
Average Tons per Loaded Freight Car	31.2	34.0
Av. Fr. Receipt per Rev. Ton Mile	.806¢	.738¢
Av. Passenger Receipt per Pass. Per Mile	2.785¢	2.843¢
Ratio of Pay Roll to Operating Revenues	37.2%	36.0%
Ratio of Pay Roll to Operating Expenses	56.4%	53.5%
Ratio of Operating Expenses to Revenues	65.88%	67.33%

Contains a proportion of mixed train miles.

CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada & United States)

For the Month of November, 1924-1923OPERATING REVENUES

	<u>1924</u>	<u>1923</u>
Canadian Lines	\$18,411,570.08	\$21,119,168.63
Duluth Winnipeg & Pacific	171,673.00	204,005.00
Grand Trunk Western Lines	2,141,631.00	2,466,345.00
New England Lines	221,248.92	297,520.29
Total	20,946,123.00	24,087,038.92

OPERATING EXPENSES

Canadian Lines	\$15,044,405.48	\$16,998,061.11
Duluth, Winnipeg & Pacific	152,470.14	165,866.10
Grand Trunk Western Lines	1,829,496.93	2,080,953.37
New England Lines	205,446.28	233,781.47
Total	17,231,818.83	19,478,662.05

NET OPERATING REVENUES

Canadian Lines	\$3,367,164.60	\$4,121,107.52
Duluth, Winnipeg & Pacific	19,202.86	38,138.90
Grand Trunk Western Lines	312,154.07	385,391.63
New England Lines	15,802.64	63,738.82
Total	3,714,304.17	4,608,376.87

OPERATING INCOME

Canadian Lines	\$3,518,526.78	\$3,959,878.18
Duluth, Winnipeg & Pacific	24,051.81	18,484.04
Grand Trunk Western Lines	Dr. 96,586.24	Dr. 159,250.74
New England Lines	Dr. 50,975.99	6,239.48
Total	3,194,816.36	3,825,350.96

SUMMARYFor Eleven Months Ended November 30.

	<u>ALL RAILWAYS</u>	<u>1924</u>	<u>1923</u>
Operating Revenues	\$404,568,312.85	\$427,741,366.01	
Operating Expenses	348,705,776.88	370,633,774.44	
Net Operating Revenues	55,862,535.97	57,107,591.57	
Operating Income	49,991,270.36	51,948,066.59	

CANADIAN NATIONAL RAILWAYS

Operating Revenues-Canadian Lines	\$184,784,296.66	\$195,305,748.96
United States Lines	31,487,149.34	35,176,831.09
Total	216,271,446.00	230,482,580.05
Operating Expenses-Canadian Lines	\$175,174,272.60	\$186,289,425.40
United States Lines	26,613,205.37	27,469,865.26
Total	201,787,477.97	213,759,290.66
Net Operating Revenues-Canadian Lines	\$9,610,024.06	\$9,016,323.56
United States Lines	4,873,943.97	7,706,765.83
Total	14,483,968.03	16,723,089.39
Operating Income-Canadian Lines	\$9,801,110.27	\$9,173,965.97
United States Lines	Dr. 477,855.22	1,077,196.80
Total	9,323,255.05	10,251,162.77

CANADIAN PACIFIC RAILWAY

Operating Revenues	\$165,268,683.96	173,937,944.20
Operating Expenses	132,285,331.15	141,145,198.63
Net Operating Revenues	32,983,352.81	32,792,745.57
Operating Income	33,497,940.51	33,522,882.59

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