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CANADA
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TRANSPORTATION BRANCH

OPERATING REVENUES, EXPENSES AND STATISTICS

of

RAILWAYS

With Annual Operating Revenues of \$500,000

For

JANUARY

1923

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+ + +

OTTAWA

1923

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 January 1923.

Railways as a whole showed a net operating revenue of \$851,979 compared with an operating deficit in January 1922 of \$861,526. Freight revenues increased \$4,080,657, or 19.8 per cent with an increase of 36 per cent in freight traffic, passenger revenues increased \$393,971, or 7.9 per cent with an increase of 6.5 per cent in passenger traffic and total revenues showed an increase of \$4,553,492, or 15.8 per cent.

Operating expenses were increased \$2,839,986, or 9.6 per cent, transportation expenses accounting for \$1,813,174 of this, while maintenance of way and structures showed an increase of \$340,009 and maintenance of equipment an increase of \$566,942. The increase in the total pay roll was \$1,623,798, or 9.4 per cent with 8,945, or 6.3 per cent more employees. Average train loading was increased 58.5 net tons, with car loading increased by 1.8 tons.

Average receipts per ton mile declined from 1.080 cents to .951 cents, a decrease of .129 cents, or 12 per cent, while passenger receipts per passenger mile showed a slight increase. The operating ratio was 97.43 per cent and although still high, it was a considerable improvement over 103.01 per cent for January 1922.

Canadian National Railways - The operating reports of the Canadian National Railways, commencing with this report, will show the data for the combined steam railways in Canada under the management of the Canadian National Railway Board including Grand Trunk Railway of Canada, Grand Trunk Pacific, Canadian Government Railways, Hudson Bay Railway and the former Canadian Northern System. The 1922 data shown is directly comparable with 1923 data, but, on account of adjustments, will not be in all cases the sum of 1922 figures as reported in 1922.

The total revenues showed an increase of \$2,032,139 or 15 per cent with an increase of 33 per cent in revenue freight traffic and 6 per cent in passenger traffic. Operating expenses were increased \$983,752, or 6 per cent, reducing the operating deficit from \$1,853,798 in January 1922 to \$805,410 and the operating ratio from 113.67 per cent to 105.16 per cent. Average train loading showed an increased of 63.1 net tons and 3.4 cars, with car loading 1.3 tons heavier than last year. Average receipts per ton mile declined from 1.024 cents to .912 cents, a drop of 11 per cent while average passenger receipts per passenger mile showed a slight increase.

Canadian Pacific Railway

Freight and passenger traffic both showed seasonal declines but compared with January 1922 showed increases of 40 per cent and 5 per cent respectively while freight revenues were increased by 19 per cent and passenger revenues 5 per cent. Total revenues were increased \$1,631,162, or 14 per cent with operating expenses \$1,559,202, or 14 per cent greater than last year, maintenance of equipment showing an increase of \$625,310, or 24 per cent and transportation expenses an increase of \$711,162 or 12 per cent. The total pay roll was increased \$679,389, or 11 per cent with an increase of 2,838 employees. Average train loading increased 42.6 net tons but the revenue declined 56 cents per train mile, the average receipts per ton mile showing a drop of .165 cents, or 15 per cent.

The average number of passengers per train mile showed a slight increase as did also the passenger revenue and the average receipts per passenger per mile.

The operating ratio showed practically no change being 95.91 per cent as against 95.96 per cent for January 1922.

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA.

With annual Operating Revenues of \$500,000.

For the Month of January 1923.

	1922	1923
<u>OPERATING REVENUES</u>		
Freight	\$24,608,322.45	\$20,527,665.40
Passenger	5,372,624.59	4,978,652.83
Mail	619,176.19	650,749.51
Express	983,166.04	1,007,699.00
Other Freight Train	7,017.02	Dr. 1,837.23
Other Passenger Train	427,163.02	431,817.07
Water Line	49,870.42	47,986.06
All Other	1,131,678.73	1,002,793.71
Total Railway Operating Revenues	33,199,019.04	28,645,526.35
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$4,863,408.42	\$4,523,399.14
Maint. of Equipment	7,508,725.01	7,041,732.86
Traffic	1,071,196.05	1,022,182.63
Transportation	17,431,745.61	15,618,570.70
Misc. Operations	392,403.73	406,125.78
General	1,020,283.93	956,044.98
Trans. for Investment	Cr. 40,723.21	Cr. 61,652.94
Total Railway Operating Expenses	32,347,039.54	29,507,053.15
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$851,979.50	Dr. \$861,526.80
Railway Tax Accruals	570,276.31	443,970.69
Uncollectable Revenues	8,527.70	3,564.96
Hire of Equipment	Cr. 513,833.32	Cr. 595,571.14
Joint Facilities Rents	Dr. 142,009.48	Dr. 37,420.43
Operating Income	644,999.33	Dr. 750,911.74
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	38,823	38,805
No. of Tons Carried (Rev. Fr.)	8,986,658	6,777,307
No. of Tons Carried One Mile (Rev. Fr.)	2,587,896,356	1,901,152,773
No. of Tons Carried (All Fr.)	10,694,110	7,841,389
No. of Tons Carried One Mile (All Fr.)	2,917,068,289	2,093,039,296
No. of Revenue Pass. Carried	3,349,427	3,209,544
No. of Revenue Pass. Carried One Mile	184,778,120	173,445,893
# Freight Train Miles	5,432,737	4,375,193
# Passenger Train Miles	3,702,393	3,574,294
Total Train Miles (Rev. & Non Rev.)	9,369,465	8,111,178
Freight Car Miles-Loaded	103,008,740	82,925,681
Freight Car Miles-Empty	50,509,471	36,730,415
Passenger Train Car Miles	24,506,334	23,340,531
Total Amount of Pay Roll	\$18,828,200.73	\$17,204,402.31
Number of Employees	151,011	142,066
<u>AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$855.14	\$738.19
Operating Expenses	\$833.19	\$760.39
No. of Tons Moved One Mile (Rev. Fr.)	66,659	48,992
No. of Tons Moved One Mile (All Fr.)	75,138	53,937
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.53	\$4.69
No. of Tons of Freight (Rev. Fr.)	476.4	434.5
No. of Tons of Freight (All Fr.)	536.9	478.4
Loaded Freight Cars	19.9	19.0
Empty Freight Cars	9.3	8.4
<u># AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$2.00	\$1.98
Passengers Carried	49.9	48.5
Passenger Cars	6.6	6.5
Average Operating Expenses per train mile	\$3.45	\$3.64
Average Length of Haul (Rev. Fr.) Miles	287.9	280.5
Average Passenger Journey Miles	55.2	54.0
Average Tons per loaded Fr. Car	27.0	25.2
Average Freight Receipt per Rev. Ton Miles	.951¢	1.080¢
Av. Passenger Receipt per Pass. per mile	2.908¢	2.870¢
Ratio of Pay Roll to Operating Revenues	56.7%	60.1%
Ratio of Pay Roll to Operating Expenses	58.2%	58.3%
Ratio of Operating Expenses to Revenues	97.43%	103.01%

#- Contains a proportion of mixed train miles

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RY.
(Can. Gov., Can. Northern, Grand Trunk Pacific
& Grand Trunk Rly.)
For the Month of January 1923.

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$11,959,986.20	\$10,121,259.59
Passenger	2,347,598.91	2,136,947.96
Mail	266,236.79	294,093.41
Express	439,967.80	461,545.47
Other Freight Train	2,500.00	Dr. 7,535.00
Other Passenger Train	169,740.13	189,119.08
Water Line		.40
All Other	416,828.21	369,287.21
Total Railway Operating Revenues	15,596,858.04	13,564,718.12
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$2,764,247.67	\$2,568,790.36
Maint. of Equipment	3,609,525.97	3,729,357.03
Traffic	353,497.80	364,345.92
Transportation	9,007,666.20	8,140,605.77
Misc. Operations	162,157.85	169,816.49
General	545,336.76	506,785.35
Trans. for Investment	Cr. 40,163.47	Cr. 61,184.65
Total Railway Operating Expenses	16,402,268.78	15,418,516.27
<u>OPERATING INCOME</u>		
Net Operating Revenue	Dr. \$805,410.74	Dr. \$1,853,798.15
Railway Tax Accruals	221,975.34	123,753.71
Uncollectable Revenues	8,291.66	3,523.60
Hire of Equipment	Cr. 309,593.44	Cr. 566,034.45
Joint Facilities Rents	Cr. 5,738.56	Cr. 57,241.16
Operating Income	Dr. 720,340.74	Dr. 1,357,749.85
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,799.2	20,765.2
No. of Tons Carried Rev. Fr.	3,876,953	2,900,934
No. of Tons Carried One Mile Rev. Fr.	1,311,365.134	988,808,076
No. of Tons Carried All Fr.	4,669,072	3,480,619
No. of Tons Carried One Mile All Fr.	1,485,701.675	1,096,378,317
No. of Revenue Pass. Carried	1,784,970	1,684,044
No. of Revenue Pass. Carried One Mile	85,196.014	80,322,493
#Freight Train Miles	2,769,527	2,316,519
#Passenger Train Miles	1,755,955	1,657,639
Total Train Miles (Rev. & Non Rev.)	4,675,542	4,078,456
Freight Car Miles-Loaded	54,444,979	42,136,120
Freight Car Miles-Empty	27,128,130	18,222,112
Passenger Train Car Miles	11,295,385	10,466,711
Total Amount of Pay Roll	\$10,376,021.60	\$9,591,465.71
Number of Employees	85,535	81,225
<u>AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$749.88	\$653.24
Operating Expenses	\$788.60	\$742.52
No. of Tons Moved One Mile (Rev. Fr.)	63,049	47,619
No. of Tons Moved One Mile (All Fr.)	71,430	52,799
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.32	\$4.37
No. of Tons of Freight (Rev. Fr.)	473.5	426.9
No. of Tons of Freight (All Fr.)	536.4	473.3
Loaded Freight Cars	19.7	18.2
Empty Freight Cars	9.8	7.9
<u>#AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$1.83	\$1.86
Passengers Carried	48.5	48.5
Passenger Cars	6.4	6.3
Average Operating Expenses per train mile	\$3.51	\$3.78
Average Length of Haul (Rev. Fr.) Miles	338.2	340.9
Average Passenger Journey Miles	47.7	47.7
Average Tons per loaded Fr. Car	27.3	26.0
Average Freight Receipt per Rev. Ton Miles	.912¢	1.024¢
Av. Passenger Receipt per Pass. per mile	2.748¢	2.660¢
Ratio of Pay Roll to Operating Revenues	66.5%	70.7%
Ratio of Pay Roll to Operating Expenses	63.3%	62.2%
Ratio of Operating Expenses to Revenues	105.16%	113.67%

#-Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RY.
(Montreal, & Atlantic Ry., Esquimalt & Nanaimo Ry.)

For the Month of January 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$9,290,858.63	\$7,807,750.58
Passenger	2,159,233.43	2,065,318.88
Mail	310,638.65	312,157.79
Express	443,270.26	471,450.78
Other Freight Train	4,472.02	5,529.59
Other Passenger Train	243,283.46	225,582.18
Water Line	49,870.42	47,985.66
All Other	574,011.63	508,750.20
Total Railway Operating Revenues	13,075,688.50	11,444,525.66
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$1,507,653.07	\$1,369,256.85
Maint. of Equipment	3,244,709.75	2,619,399.40
Traffic	653,833.49	589,379.91
Transportation	6,608,306.38	5,897,144.07
Misc. Operations	191,389.17	199,919.08
General	335,825.89	307,415.65
Trans. for Investment		
Total Railway Operating Expenses	12,541,717.75	10,982,514.96
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$533,970.75	\$462,010.70
Railway Tax Accruals	274,982.90	246,306.62
Uncollectable Revenues		
Hire of Equipment	Cr. 477,347.43	Cr. 243,670.90
Joint Facilities Rents	Dr. 13,227.53	Cr. 47,679.63
Operating Income	723,107.75	507,054.61
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	13,919.9	13,877.2
No. of Tons Carried (Rev. Fr.)	2,622,605	1,989,956
No. of Tons Carried One Mile (Rev. Fr.)	1,004,327,560	716,248,068
No. of Tons Carried (All Fr.)	3,447,261	2,419,545
No. of Tons Carried One Mile (All Fr.)	1,152,431,735	793,563,038
No. of Revenue Pass. Carried	1,118,020	1,083,702
No. of Revenue Pass. Carried One Mile	73,542,073	69,783,449
# Freight Train Miles	2,107,188	1,573,445
# Passenger Train Miles	1,510,685	1,534,452
Total Train Miles (Rev. & Non Rev.)	3,680,775	3,149,166
Freight Car Miles-Loaded	40,758,892	30,437,757
Freight Car Miles-Empty	17,997,639	12,584,130
Passenger Train Car Miles	10,313,049	10,078,084
Total Amount of Pay Roll	\$6,829,442.66	\$6,150,052.68
Number of Employees	53,642	50,804
<u>AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$939.35	\$824.70
Operating Expenses	\$900.99	\$791.41
No. of Tons Moved One Mile (Rev. Fr.)	72,150	51,613
No. of Tons Moved One Mile (All Fr.)	82,790	57,185
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.41	\$4.97
No. of Tons of Freight (Rev. Fr.)	476.6	455.2
No. of Tons of Freight (All Fr.)	546.9	504.3
Loaded Freight Cars	19.3	19.3
Empty Freight Cars	8.5	8.1
<u>AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$2.09	\$2.00
Passengers Carried	48.7	45.5
Passenger Cars	6.8	6.6
Average Operating Expenses per train mile	\$3.40	\$4.46 3.49
Average Length of Haul (Rev. Fr.) Miles	383.0	359.9
Average Passenger Journey Miles	65.8	64.4
Average Tons per loaded Fr. Car	28.3	26.1
Average Freight Receipt per Rev. Ton Miles	.9254	1.0904
Av. Passenger Receipt per Pass. per Mile	2.9364	2.9604
Ratio of Pay Roll to Operating Revenues	52.2%	53.7%
Ratio of Pay Roll to Operating Expenses	54.5%	56.0%
Ratio of Operating Expenses to Revenues	95.91%	95.95%

* Contains a proportion of mixed train miles.

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