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DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH

OPERATING REVENUES, EXPENSES AND STATISTICS
of
RAILWAYS
With Annual Operating Revenues of \$500,000
For
FEBRUARY
1923

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Published by Authority of the Hon. J. A. Robb, M. P.,
Minister of Trade and Commerce.

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OTTAWA

1923

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DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH
OTTAWA

Dominion Statistician, R. H. Coats, B.A., F.S.S.
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 February 1923.

The railways as a whole have shown operating deficits for February for the last four years. In 1922 they broke almost even with an operating ratio of 100.53 per cent but this year the operating ratio was 106.41 per cent. Compared with last year the freight traffic was slightly heavier but freight revenues were about one per cent less. Passenger traffic and revenues were both greater with total revenues showing a decrease of \$154,698. Operating expenses, however, increased \$1,515,323, or 5.3 per cent, mainly from the increase in transportation expenses of \$1,198,869, or 8.1 per cent. Maintenance of way and structures also showed an increase of \$247,902 or 5.7 per cent. The total pay roll was increased \$1,369,001 or 8.2 per cent with an increase in the number of employees of 10,193 or 7.2 per cent. Average train loading was 10.5 net tons lighter than for January but was heavier than last year by 21.5 net tons. February is generally the most difficult month of the year for railway operation and this year the weather was particularly severe, so that these adverse results were more or less to be expected.

Canadian National Railways - Freight traffic showed an increase of one per cent but revenues decreased slightly. Passenger traffic and revenues both showed increases but total revenues decreased \$97,621 or .7 per cent. Operating expenses were increased \$1,378,196, or 9.4 per cent, the largest increases being in transportation expenses with an increase of \$835,431 or 10 per cent and in maintenance of way and structures of \$316,092, or 13 per cent. The total pay roll increased \$610,537 or 6.5 per cent with 4,769 or 6 per cent more employees. The operating ratio increased from 110.58 per cent in February 1922 to 121.82 per cent.

Average freight train loading increased 32 net tons but freight revenues per train mile showed a decrease of 8 cents, while total operating expenses per train mile were increased 16 cents.

Canadian Pacific Railways - Freight traffic showed a slight decrease and with lower rates freight revenues fell off 5.4 per cent or \$444,731, passenger revenue also declined 3 per cent or \$57,564 and total revenues decreased \$465,375 or 4 per cent. Operating revenues were practically unchanged, resulting in a decrease of \$484,618 in net operating revenues and an increase in the operating ratio from 93.87 per cent for February 1922 to 98.01 per cent.

Cuts were made in maintenance expenses of \$164,466 in maintenance of way and \$90,847 in maintenance of equipment, but transportation expenses were increased \$259,088. The total pay roll showed an increase of \$528,590 or 8.5 per cent with an increase in the number of employees of 3,608 or 7.2 per cent.

Average freight train loading showed little change but freight revenue per train mile decreased 53 cents, or 10 per cent and passenger revenue per train mile decreased 2 per cent, while total operating expenses per train mile were reduced 17 cents or 4.7 per cent.

Correction -

Correct January 1923 report page 3, column 1 to read 1923 and column 2 to read 1922.

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8/5/23-KH.

-3- OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA.

With annual Operating Revenues of \$500,000.

For the Month of February 1923.

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$21,106,755.51	\$21,278,938.74
Passenger	4,461,430.70	4,391,126.46
Mail	590,251.52	607,337.31
Express	893,147.95	968,478.54
Other Freight Train	7,104.71	4,922.20
Other Passenger Train	365,228.63	338,247.12
Water Line	44,180.17	40,445.27
All Other	949,604.46	940,906.17
Total Railway Operating Revenues	28,415,703.65 ✓	28,570,401.81 ✓
<u>OPERATING EXPENSES</u>		
Maint. of Way & Structures	4,625,877.48	4,377,974.77
Maint. of Equipment	7,340,325.03	7,465,882.43
Traffic	1,019,577.59	931,015.57
Transportation	15,952,868.60	14,753,999.13
Misc. Operations	378,756.48	373,586.07
General	935,907.63	903,290.83
Trans. for Investment	Cr. 16,184.68	Cr. 83,943.80
Total Railway Operating Expenses	30,237,128.13 ✓	28,721,805.05 ✓
<u>OPERATING INCOME</u>		
Net Operating Revenue	Dr. \$1,821,424.48	Dr. \$151,403.24
Railway Tax Accruals	569,854.67	531,832.16
Uncollectable Revenues	14,499.19	866.55
Hire of Equipment	Cr. 570,320.49	Cr. 318,552.42
Joint Facilities Rents	Dr. 114,487.48	Dr. 83,442.70
Operating Income	Dr. 1,949,945.33	Dr. 448,992.23
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	38,823	38,805
No. of Tons Carried (Rev. Fr.)	7,853,246	7,218,189
No. of Tons Carried One Mile (Rev. Fr.)	2,051,211.665	2,012,089.558
No. of Tons Carried (All Fr.)	9,326,782	8,455,682
No. of Tons Carried One Mile (All Fr.)	2,357,682.920	2,181,727.177
No. of Revenue Pass. Carried	2,878,860	2,897,241
No. of Revenue Pass. Carried One Mile	141,905.520	147,824.753
Freight Train Miles	4,478,654	4,321,420
Passenger Train Miles	3,381,083	3,222,949
Total Train Miles (Rev. & Non Rev.)	8,186,141	7,744,623
Freight Car Miles-Loaded	91,467,414	85,279,015
Freight Car Miles-Empty	34,391,179	35,866,196
Passenger Train Car Miles	21,962,881	20,520,429
Total Amount of Pay Roll	\$18,015,497.94	\$16,646,496.17
Number of Employees	151,028	140,835
<u>AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$731.93	\$736.26
Operating Expenses	\$778.85	\$740.16
No. of Tons Moved One Mile (Rev. Fr.)	52,835	51,851
No. of Tons Moved One Mile (All Fr.)	60,729	56,223
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.71	\$4.93
No. of Tons of Freight (Rev. Fr.)	458.0	465.6
No. of Tons of Freight (All Fr.)	526.4	504.9
Loaded Freight Cars	20.4	19.7
Empty Freight Cars	7.7	8.3
<u>AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$1.87	\$1.96
Passengers Carried	44.9	45.9
Passenger Cars	6.5	6.4
Average Operating Expenses per train mile	\$3.69	\$3.71
Average Length of Haul (Rev. Fr.) Miles	261.2	278.8
Average Passenger Journey Miles	52.8	51.0
Average Tons per loaded Fr. Car	25.8	25.6
Av. Fr. Receipt per Rev. Ton Miles	1.029¢	1.058¢
Av. Passenger Receipt per Pass. per mile	2.937¢	2.970¢
Ratio of Pay Roll to Operating Revenues	63.4%	58.3%
Ratio of Pay Roll to Operating Expenses	59.6%	58.0%
Ratio of Operating Expenses to Revenue	106.41%	100.53%

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RLY.
(Can. Gov. Can. Northern, Grand Trunk Pacific
& Grand Trunk Railway)

For the Month of February 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$10,202,763.14	\$10,240,209.52
Passenger	1,904,658.56	1,834,487.08
Mail	252,353.80	283,697.67
Express	353,675.32	451,286.66
Other Freight Train	4,000.00	Dr. 794.65
Other Passenger Train	138,894.72	122,425.25
Water Line		
All Other	364,257.15	386,918.22
Total Railway Operating Revenues	13,220,608.69 ✓	13,318,229.75 ✓
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$2,790,340.08	\$2,474,247.29
Maint. of Equipment	3,895,161.68	3,874,911.89
Traffic	350,691.89	283,874.71
Transportation	8,412,935.30	7,577,503.49
Misc. Operations	162,409.53	154,170.86
General	510,385.77	446,542.17
Trans. for Investment	Cr. 16,170.78	Cr. 83,693.41
Total Railway Operating Expenses	16,105,753.47 ✓	14,727,557.00 ✓
<u>OPERATING INCOME</u>		
Net Operating Revenue	Dr. 2,885,144.73	Dr. 1,409,327.25
Railway Tax Accruals	244,717.10	214,950.99
Uncollectable Revenues	9,162.91	619.33
Hire of Equipment	Cr. 354,082.18	Cr. 351,768.83
Joint Facilities Rents	Cr. 19,132.51	Cr. 24,482.45
Operating Income	Dr. 2,765,310.10	Dr. 1,248,646.29
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,799.3	20,765.2
No. of Tons Carried (Rev. Fr.)	3,297,876	3,027,815
No. of Tons Carried One Mile (Rev. Fr.)	1,018,187.851	1,008,599.772
No. of Tons Carried (All Fr.)	4,027,515	3,533,419
No. of Tons Carried One Mile (All Fr.)	1,193,304.585	1,102,439.238
No. of Revenue Pass. Carried	1,545,303	1,527,136
No. of Revenue Pass. Carried One Mile	67,421.404	66,578.033
# Freight Train Miles	2,290,189	2,255,877
# Passenger Train Miles	1,560,190	1,468,284
Total Train Miles (Rev. & Non Rev.)	4,031,778	3,853,105
Freight Car Miles-Loaded	45,650,478	42,228,517
Freight Car Miles-Empty	17,756,134	18,939,588
Passenger Train Car Miles	9,915,758	9,090,333
Total amount of Pay Roll	\$9,980,572.32	\$9,370,035.19
Number of Employees	85,228	80,459
<u>AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$635.63	\$641.37
Operating Expenses	\$774.34	\$709.24
No. of Tons Moved One Mile (Rev. Fr.)	48.952	48.571
No. of Tons Moved One Mile (All Fr.)	57.372	53.090
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.46	\$4.54
No. of Tons of Freight (Rev. Fr.)	444.6	447.5
No. of Tons of Freight (All Fr.)	521.1	489.1
Loaded Freight Cars	19.9	18.7
Empty Freight Cars	7.8	8.4
<u>AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$1.70	\$1.83
Passengers Carried	43.3	45.3
Passenger Cars	6.4	6.2
Average Operating Expenses per train mile	\$3.97	\$3.81
Average Length of Haul (Rev. Fr.) Miles	308.7	333.1
Average Passenger Journey Miles	43.7	43.6
Average Tons per loaded Fr. Car	26.1	26.1
Average Freight Receipt per Rev. Ton Miles	1.0026	1.0156
Average Passenger Receipt per Pass. per Mile	2.8226	2.7556
Ratio of Pay Roll to Operating Revenues	75.5%	70.4%
Ratio of Pay Roll to Operating Expenses	62.0%	63.6%
Ratio of Operating Expenses to Revenues	121.82%	110.58%

- Contains a proportion of mixed train miles

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RLY.
(Montreal & Atlantic Ry., Esquimaux & Nanaimo Ry.)

For the Month of February 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$7,658,677.23	\$8,103,408.74
Passenger	1,875,985.15	1,933,549.53
Mail	297,777.67	281,283.19
Express	446,977.12	445,631.94
Other Freight Train	3,099.71	5,637.45
Other Passenger Train	206,445.18	202,949.41
Water Line	44,180.17	40,476.03
All Other	461,055.87	446,637.77
Total Railway Operating Revenues	10,994,198.10	11,459,574.06
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$1,210,037.16	\$1,374,503.75
Maint. of Equipment	2,638,272.74	2,729,120.06
Traffic	603,465.49	568,289.28
Transportation	5,852,137.44	5,593,048.63
Misc. Operations	178,506.50	184,649.67
General	293,874.78	307,440.27
Trans. for Investment		
Total Railway Operating Expenses	10,776,294.11	10,757,051.66
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$217,903.99	\$702,522.40
Railway Tax Accruals	250,601.38	243,500.00
Uncollectable Revenues		
Hire of Equipment	Cr. 522,370.94	Cr. 211,603.46
Joint Facilities Rents	Cr. 7,492.50	Cr. 20,672.32
Operating Income	497,166.05	691,298.18
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	13,919.9	13,877.2
No. of Tons Carried (Rev. Fr.)	2,070,842	2,019,257
No. of Tons Carried One Mile (Rev. Fr.)	758,819,858	774,825,140
No. of Tons Carried (All Fr.)	2,718,409	2,461,538
No. of Tons Carried One Mile (All Fr.)	881,223,684	842,498,205
No. of Revenue Pass. Carried	965,920	994,255
No. of Revenue Pass. Carried One Mile	64,285,511	62,650,314
# Freight Train Miles	1,655,323	1,570,096
# Passenger Train Miles	1,395,518	1,385,698
Total Train Miles (Rev. & Non Rev.)	3,165,584	3,009,130
Freight Car Miles-Loaded	33,747,023	31,411,900
Freight Car Miles-Empty	11,104,587	10,630,353
Passenger Train Car Miles	9,077,885	8,875,702
Total Amount of Pay Roll	\$6,462,437.69	\$5,913,847.10
Number of Employees	53,735	50,127
<u>AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$789.82	\$825.78
Operating Expenses	\$774.16	\$775.16
No. of Tons Moved One Mile (Rev. Fr.)	54,513	55,834
No. of Tons Moved One Mile (All Fr.)	63,307	60,711
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$4.63	\$5.16
No. of Tons of Freight (Rev. Fr.)	458.4	493.5
No. of Tons of Freight (All Fr.)	532.4	536.6
Loaded Freight Cars	20.4	20.0
Empty Freight Cars	6.7	6.8
<u># AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$2.03	\$2.07
Passengers Carried	46.1	45.2
Passenger Cars	6.5	6.4
Average Operating Expenses per train mile	\$3.40	\$3.57
Average Length of Haul (Rev. Fr.) Miles	366.4	383.7
Average Passenger Journey Miles	66.6	63.0
Average Tons per loaded Fr. Car	26.1	26.8
Average Freight Receipt per Rev. Ton Miles	1.009¢	1.046¢
Av. Passenger Receipt per Pass. per mile	2.918¢	3.086¢
Ratio of Pay Roll to Operating Revenues	58.6%	51.6%
Ratio of Pay Roll to Operating Expenses	59.3%	55.0%
Ratio of Operating Expenses to Revenues	98.01%	93.87%

#- Contains a proportion of mixed train miles

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