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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

MARCH

1923

Published by Authority of the Hon. J. A. Robb, M. P.,

Minister of Trade and Commerce.

OTTAWA

1923

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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 March 1923.

The Railways as a whole showed a decrease in gross revenues of $188,143, but an increase in the operating expenses of $1,453,686, or 4.8 per cent, reducing the net operating revenues by $1,641,829 and increasing the operating ratio from 89.52 per cent in March 1922 to 94.30 per cent. Wages increased $1,293,453, or 7 per cent with an increase of 12.7 per cent in the number of employees. The heavy snow storms more or less prevalent through Canada, were doubtless the main factor in these increases. Maintenance of way and structures increased $254,306, or 5 per cent and transportation expenses increased $954,850, or 6 per cent with one per cent increase in net ton miles and an increase of one per cent in freight train miles. Passenger traffic has recorded increases each month in 1923 over the corresponding months last year, the increase for March being 13 per cent with an an increase of $503,205, or 6.7 per cent in passenger revenues. The average length of journey has also been showing increases while the average receipts for passenger mile have shown slight decreases for February and March. Freight train loadings showed little change except a decrease in empty cars.

The averages per mile of road operated have been changed from a monthly basis to a daily basis. This makes it possible to make direct comparisons of these data for each month. The passenger traffic density has been added also on a per diem basis and for the convenience of persons using these data they are shown below for January and February in the revised form.

Canadian National Railways showed an operating deficit of $1,168,203 and an operating ratio of 107.66 per cent for March, whereas last year they broke about even with an operating ratio of 100.09 per cent. Revenue freight traffic fell off 3.4 per cent with revenues declining $303,236, or 2.5 per cent. Passenger traffic however, showed an increase of 14.7 per cent and passenger revenues increased $298,895, or 13.8 per cent. Total revenues decreased only $27,170 but operating expenses increased $1,146,872, or 7.4 per cent. The increase of $420,070 in maintenance of way and structures and $594,317 in transportation expenses and increased number of employees, with a decrease of one per cent in net ton miles was undoubtedly the result of the more severe weather during March this year. The average train loading, however, was slightly heavier than last year although the average load per car was .7 ton under. The lighter movement of grain during March this year, was probably the main factor in this decrease, and in the decrease in revenue ton miles.

Canadian Pacific Railways reduced the operating ratio from 98.01 per cent in February to 87.24 per cent, but this was 4.95 points above March 1922. Freight traffic fell off 2.6 per cent and freight revenues decreased $784,418, or 7.7 per cent. Passenger traffic showed an increase of 10.6 per cent and passenger revenues were increased $104,604, or 4.5 per cent. Total revenues showed a decrease of $581,172 or 4 per cent and operating expenses increased $188,887, or 1.3 per cent decreasing the net operating revenue by $770,059 Salaries and wages increased $452,105, or 7.2 per cent with an increase of 4.8 per cent in the number of employees. Maintenance of way and structures showed a decrease of $195,248, or 12.2 per cent but maintenance of equipment increased $94,767 and transportation expenses increased $247,174, or 4 per cent. Empty car miles showed a decline of 16.1 per cent which was probably the result of lighter grain movement and the necessity to move loads in preference to empties. The same also applies to the Canadian National Railways where the decrease in empty car miles was 14.7 per cent.

AVERAGES PER DAY PER MILE OF ROAD OPERATED

	January		February	
All All Railways	1923	1922	1923	1922
Operating Revenue	$ 27.59	$23.81	$26.14	$26.30
Operating Expenses	26.83	24.53	27.82	26.43
No. of Tons Moved One Mile (Rev. Fr.)	2,150	1,580	1,887	1,852
No. Of Tons Moved One Mile (All Fr.)	2,424	1,740	2,169	2,008
No. of Rev. Pass. Carried One Mile	154	142	140	136
Canadian Pacific Railways				
Operating Revenues	$ 30.30	$ 26.60	$28.21	$29.49
Operating Expenses	29.06	25.53	27.65	27.68
No. of Tons Moved One Mile (Rev. Fr.)	2,327	1,686	1,947	1,994
No. of Tons Moved One Mile (All Fr.)	2.671	1,845	2,261	2,163
No. of Rev. Pass. Carried One Mile	170	162	165	161
Canadian National Railways				
Operating Revenues	$24.19	$21.07	$22.70	22.91
Operating Expenses	25.44	23.95	27.66	25.33
No. of Tons Moved One Mile (Rev. Fr.)	2,034	1,536	1,948	1,736
No. of Tons Moved One Mile (All Fr.)	2,304	1,703	2,049	1,896
No. of Rev. Pass. Carried One Mile	132	125	116	115

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

With annual Operating Revenues of $500,000.

For the Month of March 1923.

	1923	1922
OPERATING REVENUES		
Freight	$ 25,125,593.83	$ 25,944,913.27
Passenger	5,693,506.23	5,190,300.93
Mail	593,557.54	626,076.75
Express	917,457.35	941,661.57
Other Freight Train	7,914.09	8,415.83
Other Passenger Train	439,990.45	428,126.99
Water Line	54,556.24	51,447.03
All Other	1,122,542.35	952,319.48
Total Railway Operating Revenues	$33,955,118.08	$34,143,261.85
OPERATING EXPENSES		
Maint.of Way & Structures	$5,007,104.52	$4,752,798.35
Maint.of Equipment	7,927,453.13	7,726,424.87
Traffic	1,007,109.97	980,033.03
Transportation	16,720,422.11	15,765,571.77
Misc.Operations	384,424.40	406,681.90
General	998,839.55	952,061.30
Trans.for Investment Cr.	27,254.64	Cr. 19,158.39
Total Railway Operating Expenses	$32,018,099.04	$30,564,412.83
OPERATING INCOME		
Net Operating Revenue	$1,937,019.04	$3,578,849.02
Railway Tax Accruals	593,605.82	456,209.36
Uncollectable Revenues	5,714.43	9,697.95
Hire of Equipment Cr.	613,599.80	Cr. 354,278.42
Joint Facilities Rents Dr.	119,545.49	Dr. 81,294.91
Operating Income	$1,831,753.10	$3,385,925.22
OPERATING STATISTICS		
Average Miles of Road Operated	38,823	38,305
No.of Tons Carried (Rev.Fr.)	9,042,515	8,207,365
No.of Tons Carried One Mile (Rev.Fr)	2386,707.291	2,436,348,971
No.of Tons Carried (All Fr.)	10,727,207	9,698,673
No.of Tons Carried One Mile (All Fr)	2731,393,533	2,705,540,619
No.of Revenue Pass.Carried	3,535,788	3,352,108
No.of Revenue Pass.Carried One Mile	198,780,722	176,015,422
/Freight Train Miles	5,038,367	4,976,704
/Passenger Train Miles	3,961,322	3,589,611
Total Train Miles(Rev.& Non Rev.)	9,360,213	8,665,325
Freight Car Miles-Loaded	112,596,291	108,124,857
Freight Car Miles-Empty	40,924,159	49,490,478
Passenger Train Car Miles	24,916,318	23,382,428
Total Amount of Pay Roll	$19,041,242,66	$17,747,789.27
Number of Employees	150,220	138,469
AVERAGES PER DAY PER MILE OF ROAD OPERATED		
Operating Revenues	$28.21	$28.38
Operating Expenses	26.60	25.41
No.of Tons Moved One Mile(Rev.Fr.)	1,983	2,025
No.of Tons Moved One Mile (All Fr.)	2,270	2,249
No.of Rev.Passengers carried One Mile	165.	146.
/AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenues	$4.99	$5.21
No.of Tons of Freight (Rev.Fr.)	473.7	489.6
No.of Tons of Freight (All.Fr.)	542.1	543.6
Loaded Freight Cars	22.3	21.7
Empty Freight Cars	8.1	9.9
/AVERAGES PER PASS. TRAIN MILE		
Passenger Train Revenues	$1.93	$2.00
Passengers Carried	50.2	49.0
Passenger Cars	6.3	6.5
Average Operating Expenses per train mile	$3.42	$3.53
Average Length of Haul (Rev.Fr.) Miles	263.9	296.9
Average Passenger Journey Miles	56.2	52.3
Average Tons per loaded Fr. Car	24.3	25.0
Av.Fr.Receipt per Rev.Ton Mile	1.053¢	1.065¢
Av.Passenger Receipt per Pass.per mile	2.864¢	2.949¢
Ratio of Pay Roll to Operating Revenues	56.1%	52.0%
Ratio of Pay Roll to Operating Expenses	59.5%	58.0%
Ratio of Operating Expenses to Revenues	94.30%	89.52%

/ - Contains a proprotion of mixed train miles.

Subject to Revision

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RLY.

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

For the Month of March, 1923

	1923	1922
OPERATING REVENUES		
Freight	11,844,684.22	$12,147,920.33
Passenger	2,470,300.96	2,171,405.05
Mail	268,297.55	280,909.91
Express	366,520.78	414,696.57
Other Freight Train	1,700.00	-
Other Passenger Train	169,431.71	161,068.87
Water Line	-	-
All Other	388,308.14	360,413.46
Total Railway Operating Revenues	$15,509,243.36 ✓	$15,536,414.19 ✓
OPERATING EXPENSES		
Maint.of Way and Structures	$2,973,184.99	$2,553,114.75
Maint.of Equipment	4,058,206.08	3,932,438.32
Traffic	309,840.14	345,275.07
Transportation	8,676,025.35	8,081,707.57
Misc.Operations	159,019.56	166,227.88
General	547,185.42	490,944.99
Trans.for Investment	Cr. 26,014.43	Cr. 19,133.61
Total Railway Operating Expenses	$16,697,447.11 ✓	$15,550,574.97 ✓
OPERATING INCOME		
Net Operating Revenue	Dr. 1,188,203.75	Dr. 14,160.78
Railway Tax Accruals	236,045.35	130,450.97
Uncollectable Revenues	5,689.07	3,028.94
Hire of Equipment	Cr. 368,088.83	Cr. 409,183.95
Joint Facilities Rents	Cr. 22,876.82	Cr. 9,336.98
Operating Income	Dr. 1,038,972.52	270,880.24
OPERATING STATISTICS		
Average Miles of Road Operated	20,799.3	20,765.2
No.of Tons Carried (Rev.Fr.)	3,838,350	3,369,056
No.of Tons Carried One Mile(Rev.Fr.)	1,180,777,421	1,222,422,743
No.of Tons Carried (All Fr.)	4,735,919	4,189,170
No.of Tons Carried One Mile(All Fr.)	1,397,029,679	1,385,567,905
No.of Revenue Pass.Carried	1,858,070	1,777,690
No.of Revenue Pass.Carried One Mile	88,552,742	77,237,004
#Freight Train Miles	2,606,425	2,610,020
#Passenger Train Miles	1,749,478	1,622,992
Total Train Miles(Rev.& Non Rev.)	4,577,696	4,391,202
Freight Car Miles-Loaded	56,806,340	54,711,767
Freight Car Miles-Empty	21,600,461	25,319,809
Passenger Train Car Miles	11,257,366	10,282,237
Total Amount of Pay Roll	$10,628,341.59	$9,929,423.99
Number of Employees	85,803	77,840
AVERAGES PER DAY PER MILE OF ROAD OPERATED		
Operating Revenue	$24.05	$24.14
Operating Expenses	$25.90	$24.16
No.of Tons Moved One Mile (Rev.Fr.)	1,831	1,899
No.of Tons Moved One Mile (All Fr.)	2,167	2,152
No.of Rev.Passengers Carried One Mile	137	120
#AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenue	$4.55	$4.65
No.of Tons of Freight (Rev.Fr.)	453.0	468.3
No.of Tons of Freight (All Fr.)	536.0	530.9
Loaded Freight Cars	21.8	21.0
Empty Freight Cars	8.3	9.7
#AVERAGES PER PASS.TRAIN MILE		
Passenger Train Revenue	$1.87	$1.87
Passengers Carried	50.6	47.6
Passenger Cars	6.4	6.3
Average Operating Expenses per train mile	$3.65	$3.62
Average Length of Haul (Rev.Fr.) Miles	307.6	362.8
Average Passenger Journey Miles	47.7	43.4
Average Tons per loaded Fr. Car	24.6	25.3
Av.Fr. Receipt per Rev.Ton Mile	1.003¢	.994¢
Av. Passenger Receipt per Pass. per mile	2.789¢	2.811¢
Ratio of Pay Roll to Operating Revenues	68.5%	63.9%
Ratio of Pay Roll to Operating Expenses	63.7%	63.9%
Ratio of Operating Expenses to Revenue	107.66%	100.09%

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

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

For the Month of March 1923

	1923	1922
OPERATING REVENUES		
Freight	$9,413,918.37	$10,198,337.26
Passenger	2,421,855.37	2,317,250.85
Mail	279,094.72	297,455.74
Express	447,623.80	448,682.96
Other Freight Train	4,660.34	8,234.42
Other Passenger Train	251,973.04	246,334.91
Water Line	54,556.25	51,449.08
All other	594,137.76	481,246.66
Total Railway Operating Revenues	13,467,819.65	14,048,991.88
OPERATING EXPENSES		
Maint. of Way and Structures	1,409,254.65	1,604,503.62
Maint.of Equipment	2,986,589.27	2,891,821.70
Traffic	628,722.01	561,126.47
Transportation	6,229,087.76	5,981,912.80
Misc.Operations	185,279.20	205,207.27
General	310,978.66	316,452.62
Trans.for Investment	-	-
Total Railway Operating Expenses	11,749,911.55	11,561,024.48
OPERATING INCOME		
Net Operating Revenue	1,717,908.10	2,487,967.40
Railway Tax Accruals	259,128.30	251,615.00
Uncollectable Revenues	-	-
Hire of Equipment	Cr. 536,346.25	Cr. 241,499.71
Joint Facilities Rents	Cr. 23,518.13	Cr. 3,859.00
Operating Income	2,018,644.18	2,481,711.11
OPERATING STATISTICS		
Average Miles of Road Operated	13,919.9	13,877.2
No.of Tons Carried (Rev.Fr.)	2,418,236	2,487,518
No.of Tons Carried One Mile(Rev.Fr.)	908,187,330	932,459,278
No.of Tons Carried (All Fr.)	3,096,033	3,053,999
No.of Tons Carried One Mile(All Fr.)	1,026,901,013	1,029,697,009
No.of Revenue Pass.Carried	1,230,892	1,151,194
No.of Revenue Pass.Carried One Mile	86,068,784	77,831,220
#Freight Train Miles	1,851,385	1,797,211
#Passenger Train Miles	1,760,957	1,550,104
Total Train Miles (Rev. & Non Rev.)	3,710,081	3,371,487
Freight Car Miles-Loaded	40,547,785	39,827,771
Freight Car Miles-Empty	13,891,228	16,554,108
Passenger Train Car Miles	10,549,258	10,189,297
Total Amount of Pay Roll	$6,706,461.07	$6,254,356.02
Number of Employees	52,123	49,741
AVERAGES PER DAY PER MILE OF ROAD OPERATED		
Operating Revenue	$31.21	$32.66
Operating Expenses	$27.23	$26.87
No.of Tons Moved One Mile (Rev.Fr.)	2,105	2,168
No.of Tons Moved One Mile (All Fr.)	2,380	2,394
No.of Rev.Passengers Carried One Mile	199	181
#AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenue	$5.09	$5.68
No.of Tons of Freight (Rev.Fr.)	490.5	518.3
No.of Tons of Freight (All Fr.)	554.7	572.9
Loaded Freight Cars	21.9	22.2
Empty Freight Cars	7.5	9.2
#AVERAGES PER PASS.TRAIN MILE		
Passenger Train Revenue	$1.93	$2.14
Passengers Carried	48.9	50.2
Passenger Cars	6.0	6.6
Average Operating Expenses per train mile	$3.17	$3.43
Average Length of Haul (Rev.Fr.) Miles	375.6	374.9
Average Passenger Journey Miles	69.9	67.6
Average Tons per loaded Fr. Car	25.3	25.9
Av.Fr.Receipt per Rev.Ton Mile	1.037¢	1.094¢
Av.Passenger Receipt per Pass.per mile	2.814¢	2.977¢
Ratio of Pay Roll to Operating Revenues	49.8%	44.5%
Ratio of Pay Roll to Operating Expenses	57.1%	54.1%
Ratio of Operating Expenses to Revenue	87.24%	82.29%

#-Contains a proportion of mixed train miles.

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