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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
MAY
1922

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

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OTTAWA

1922

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DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH
OTTAWA

Dominion Statistician R. H. Coats, B.A., F.S.S.
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OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

For the Month of May 1922

Revenues of the railways as a whole took an upward turn in May and almost reached the March mark which is the peak so far for the year. Expenses also increased but not to the same extent as revenues, giving a net revenue of \$3,936,176 as against \$1,315,876 for April. Revenue ton miles increased 13 per cent but passenger miles showed little change.

Compared with May 1921 the operations showed considerable improvement. Revenues increased \$999,491 or 3 per cent while expenses decreased \$1,460,450 or 4.7 per cent with an increase in revenue ton miles of 351,239,683 or 22 per cent. With the increased ton miles, freight revenues increased \$2,692,430 or 12.4 per cent but due to decreased rates and travel, passenger revenues decreased \$1,120,311 or 15.9 per cent. The pay roll increased \$815,739 or 4 per cent with a decrease in the number of employees of 3,205 or 2 per cent. Freight train loading increased from 487.4 tons to 512.6 tons but car loading fell off .3 tons per car.

During 1920 and 1921 railway revenues continued to increase from May till they reached the peak in October. The prospects for increased net revenues, therefore, are much better than in the last two years when the operating ratios were 95.55 per cent and 95.50 per cent respectively as against 88.36 per cent for May 1922.

CANADIAN PACIFIC RAILWAYS showed a decrease in revenues of \$254,103 or 1.8 per cent from May 1921 and an increase in operating expenses of \$701,191 or 6.5 per cent, giving an operating ratio of 82.72 per cent as against 76.29 per cent for May 1921. Freight revenues increased \$661,151 or 7.7 per cent with an increase in ton miles of 121,199,499 or 19.5 per cent, but passenger revenues decreased \$596,114 or 17.5 per cent with a decrease in passenger miles of 13,432,872 or 12.6 per cent, and decreased rates. Mail, express and other passenger train revenues also show decreases.

Maintenance of expenses show substantial increases over last year, but transportation expenses show a decrease of 5.6 per cent with an increase in total ton miles of 14 per cent and an increased train mileage.

CANADIAN NATIONAL RAILWAYS showed an increase in revenues of \$1,344,990 or 16 per cent over May 1921. The increase was entirely in freight receipts which increased \$1,702,899 or 2.9 per cent with an increase of 41.5 per cent in revenue ton miles. The average receipt was 1.140 cents per ton mile as against 1.251 cents per ton mile for May 1921. Passenger receipts were 18 per cent below last year's with decreases in passengers carried and passenger miles. All other passenger train revenues also show decreases.

THE HISTORY OF THE
CITY OF BOSTON
FROM 1630 TO 1800

By JOHN B. HENNING, Esq.
of the City of Boston.

Published by J. B. HENNING, at the
City of Boston.

1800.

Printed by J. B. HENNING, at the
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The history of the city of Boston, from 1630 to 1800, is a subject of great interest and importance. It is a subject which has attracted the attention of many of our countrymen, and which has been the subject of many valuable works. The history of the city of Boston, from 1630 to 1800, is a subject which has attracted the attention of many of our countrymen, and which has been the subject of many valuable works.

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Expenses decreased \$1,162,454 or 10.7 per cent reducing the operating loss from \$2,554,540 in 1921 to \$47,055 and giving an operating ratio of 100.49 per cent as against 130.65 per cent for May 1921.

With an increased ton miles of all freight of 27 per cent freight train miles increased only 7.3 per cent, indicating an increased train loading of 77.9 tons per train. While the average car loading showed an increase of 1.7 tons per car, the number of cars per train increased 1.9 loaded cars and 3.2 empty cars. Maintenance expenses showed slight decreases but transportation expenses decreased \$1,102,968 or 20.3 per cent while the total pay roll decreased \$416,535 or 6 per cent with practically no change in the number of employees.

GRAND TRUNK RAILWAY had an increased freight traffic of 17 per cent, increasing the freight revenue \$166,014 or 4 per cent, but passenger traffic fell off 4 per cent and passenger receipts \$168,963 or 14 per cent, the total decrease in revenues being \$175,034 or 3 per cent. Operating expenses decreased \$461,420 or 8 per cent giving an net operating revenue of \$610,572 and an operating ratio of 89.47 per cent compared with \$324,186 and 94.57 per cent, respectively, for May 1921.

Maintenance expenses show decreases, transportation expenses shows a slight increase, while the total pay roll decreased \$184,464 or 5 per cent with practically the same number of employees.

STEAM RAILWAYS OF CANADA

With an annual Operating Revenue of \$500,000.

For the Month of May

	1922	1921
OPERATING REVENUES		
Freight	\$24,394,847.55	\$21,702,417.12
Passenger	5,909,584.60	7,029,896.01
Mail	627,024.27	630,989.98
Express	987,481.90	1,402,152.71
Other Freight Train	1,977.41	8,997.83
Other Passenger Train	531,765.09	579,726.29
Water Line	251,355.50	238,466.35
All Other	1,098,215.56	1,210,114.21
Total Railway Operating Revenues	33,802,251.88	32,802,760.50
OPERATING EXPENSES		
Maint. of Way and Structures	\$6,611,584.71	\$6,737,385.16
Maint. of Equipment	6,981,726.80	6,701,177.28
Traffic	1,025,055.08	963,138.25
Transportation	13,954,148.61	15,606,521.22
Misc. Operations	404,583.58	465,984.39
General	929,374.44	992,253.65
Trans. for Investment	Cr. 40,397.46	Cr. 139,933.39
Total Railway Operating Expenses	29,866,075.76	31,326,526.56
OPERATING INCOME		
Net Operating Revenue	\$3,936,176.12	\$1,476,233.94
Railway Tax Accruals	573,272.66	491,996.97
Uncollectable Revenues	2,202.68	1,145.93
Hire of Equipment	Cr. 172,059.38	Cr. 199,063.21
Joint Facilities Rents	Dr. 93,495.16	Dr. 142,024.64
Operating Income	3,439,265.00	1,040,129.61
OPERATING STATISTICS		
Average Miles of Road Operated	38,805.02	38,585.11
No. of Tons Carried (Revenue Fr.)	7,191,333	6,700,314
No. of Tons Carried One Mile (Revenue Fr.)	1,954,698.960	1,603,459.277
No. of Tons Carried (All Freight)	8,235,101	7,981,046
No. of Tons Carried One Mile (All Freight)	2,151,584.114	1,855,526.339
No. of Revenue Pass. Carried	3,366,141	3,570,877
No. of Revenue Pass. Carried One Mile	198,773.110	224,036.048
#Freight Train Miles	4,197,304	3,806,629
#Passenger Train Miles	3,729,670	3,775,814
Total Train Miles (Rev. & Non Rev.)	8,177,019	7,782,664
Freight Car Miles -Loaded	92,197,424	78,696,986
Freight Car Miles -Empty	44,781,926	37,915,639
Passenger Train Car Miles	25,239,492	25,748,235
Total amount of Pay Roll	\$18,613,435.56	\$19,429,174.81
Number of Employees	153,336	150,131
AVERAGES PER MILE OF ROAD OPERATED		
Operating Revenue	\$871.08	\$850.14
Operating Expenses	\$769.64	\$811.88
No. of Tons Moved One Mile (Rev.)	50,373	41,556
No. of Tons Moved One Mile (All Fr.)	55,446	48,089
AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenue	\$5.81	\$5.70
No. of Tons of Freight (Revenue)	465.7	421.2
No. of Tons of Freight (All Fr.)	512.6	487.4
Loaded Freight Cars	22.0	20.7
Empty Freight Cars	10.7	10.0
AVERAGES PER PASS. TRAIN MILE		
Passenger Train Revenue	\$2.16	\$2.55
Passengers Carried	53.3	59.3
Passenger Cars	6.8	6.8
Average Operating Expenses per Train Mile	\$3.65	\$4.03
Average Length of Haul (Rev. Fr.) Miles	271.8	239.3
Average Passenger Journey Miles	59.1	62.7
Average Tons per loaded Fr. Car	23.3	23.6
Av. Fr. Receipt per Rev. Ton Mile	1.2484	1.3534
Av. Passenger Receipt per Pass. per Mile	2.9734	3.1384
Ratio of Pay Roll to Operating Revenues	55.1%	59.2%
Ratio of Pay Roll to Operating Expenses	62.3%	62.0%
Ratio of Operating Expenses to Revenues	88.36%	95.50%

- Contains a proportion of mixed train miles

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CONFIDENTIAL - SECURITY MATTER

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RY.
(Can. Gov., Can. Northern, Grand Trunk Pac.)

For the Month May 1922.

1922

1921

OPERATING REVENUES

Freight	\$ 7,592,454.38	\$5,889,554.89
Passenger	1,260,403.57	1,529,728.55
Mail	180,834.47	182,410.20
Express	266,974.90	296,546.65
Other Freight Train		2,470.00
Other Passenger Train	161,459.29	178,860.81
Water Line		
All Other	216,838.77	254,403.39
Total Railway Operating Revenues	9,678,965.38	8,333,974.49

OPERATING EXPENSES

Maint. of Way and Structures	\$2,546,605.03	\$2,682,715.69
Maint. of Equipment	2,388,698.18	2,395,600.65
Traffic	207,013.63	213,907.15
Transportation	4,213,622.02	5,316,590.43
Misc. Operations	129,007.30	144,757.79
General	279,492.96	274,589.30
Trans. for Investment	38,418.65	139,646.30
Total Railway Operating Expenses	9,726,020.47	10,888,514.71

OPERATING INCOME

Net Operating Revenue	Dr. \$ 47,055.09	Dr. \$2,554,540.22
Railway Tax Accruals	142,179.25	91,595.33
Uncollectable Revenues	6.37	2.20
Hire of Equipment	Tr. 28,904.24	Cr. 170,156.08
Joint Facilities Rents	Dr. 1,038.51	Dr. 48,600.10
Operating Income	Dr. 219,183.46	Dr. 2,524,581.77

OPERATING STATISTICS

Average Miles of Road Operated	17,212.10	17,111.07
No. of Tons Carried (Rev. Fr.)	1,603,410	1,194,682
No. of Tons Carried One Mile (Rev. Fr.)	665,941,229	470,682,979
No. of Tons Carried (All Fr.)	1,886,216	1,649,270
No. of Tons Carried One Mile (All Fr.)	740,229,947	582,307,862
No. of Revenue Pass. Carried	860,532	897,072
No. of Revenue Pass. Carried One Mile	46,057,242	53,603,697
#Freight Train Miles	1,445,992	1,341,850
#Passenger Train Miles	1,012,746	1,076,680
Total Train Miles (Rev. & Non Rev.)	2,607,384	2,552,641
Freight Car Miles-Loaded	29,026,104	24,430,423
Freight Car Miles-Empty	16,990,483	11,427,442
Passenger Train Car Miles	7,092,728	7,443,866
Total amount of Pay Roll	\$6,479,294.60	\$6,895,830.02
Number of Employees	55,264	55,176

AVERAGES PER MILE OF ROAD OPERATED

Operating Revenues	\$562.33	\$487.05
Operating Expenses	\$565.07	\$636.34
No. of Tons Moved One Mile (Revenue)	38,690	27,508
No. of Tons Moved One Mile (All Fr.)	43,006	34,031

AVERAGES PER FREIGHT TRAIN MILE

Freight Revenue	\$5.25	\$4.39
No. of Tons of Freight (Revenue)	460.5	350.8
No. of Tons of Freight (All Fr.)	511.9	434.0
Loaded Freight Cars	20.1	18.2
Empty Freight Cars	11.7	8.5

AVERAGES PER PASS. TRAIN MILE

Passenger Train Revenue	\$1.85	\$2.03
Passengers Carried	45.5	49.8
Passenger Cars	7.0	6.9

Average Operating Expenses per Train Mile	\$3.73	\$4.27
Average Length of Haul (Rev. Fr.) Miles	415.3	394.0
Average Passenger Journey Miles	53.5	59.8
Average Tons per loaded Fr. Car	25.5	23.8
Av. Fr. Receipt per Rev. Ton Mile	1.140¢	1.251¢
Av. Passenger Receipt per Pass. per Mile	2.737¢	2.854¢
Ratio of Pay Roll to Operating Revenues	66.9%	82.7%
Ratio of Pay Roll to Operating Expenses	66.6%	63.3%
Ratio of Operating Expenses to Revenues	100.49%	130.6%

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS.

CANADIAN PACIFIC RY.

(Montreal & Atlantic Ry., Esquimalt & Nanaimo Ry.)

For the Month of May 1922.

	1922	1921
OPERATING REVENUES		
Freight	\$9,291,525.00	\$8,630,373.08
Passenger	2,802,094.14	3,398,208.93
Mail	297,709.95	312,108.84
Express	388,227.96	669,404.85
Other Freight Train	1,377.07	4,929.84
Other Passenger Train	325,482.83	328,707.65
Water Line	178,090.43	169,033.44
All Other	648,881.89	674,726.40
Total Railway Operating Revenues	13,933,389.23	14,187,493.03
OPERATING EXPENSES		
Maint. of Way and Structures	\$2,514,216.99	\$1,927,082.82
Maint. of Equipment	2,340,487.80	1,983,998.99
Traffic	609,438.89	500,593.41
Transportation	5,745,014.03	5,876,452.56
Misc. Operations	209,647.45	228,161.08
General	306,243.57	307,568.79
Trans. for Investment		
Total Railway Operating Expenses	11,525,048.73	10,823,857.65
OPERATING INCOME		
Net Operating Revenue	\$2,408,340.50	\$3,363,635.38
Railway Tax Accruals	243,588.86	227,803.05
Uncollectable Revenues		
Hire of Equipment	Cr. 195,904.38	Cr. 177,101.97
Joint Facilities Rents	Dr. 4,760.43	Cr. 8,987.16
Operating Income	2,355,895.59	3,321,921.46
OPERATING STATISTICS		
Average Miles of Road Operated	13,877.2	13,785.8
No. of Tons Carried (Revenue Freight)	2,186,958	1,909,531
No. of Tons Carried One Mile (Revenue Freight)	743,824,616	622,685,117
No. of Tons Carried (All Freight)	2,633,916	2,359,861
No. of Tons Carried One Mile (All Freight)	840,380,816	736,288,122
No. of Revenue Pass. Carried	1,186,954	1,268,890
No. of Revenue Pass. Carried One Mile	92,980,367	106,413,239
#Freight Train Miles	1,464,501	1,330,363
#Passenger Train Miles	1,635,840	1,633,217
Total Train Miles (Rev. & Non Rev.)	3,100,341	2,963,580
Freight Car Miles-Loaded	34,073,110	29,584,143
Freight Car Miles-Empty	12,559,056	12,527,148
Passenger Train Car Miles	11,396,714	11,697,231
Total Amount of Pay Roll	\$7,021,084.07	\$6,952,555.24
Number of Employees	59,199	55,313
AVERAGES PER MILE OF ROAD OPERATED		
Operating Revenue	\$1,004.05	\$1,029.14
Operating Expenses	\$ 830.50	\$ 785.15
No. of Tons Moved One Mile (Revenue)	53,605	45,169
No. of Tons Moved One Mile (All Fr.)	60,558	53,409
AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenue	\$6.35	\$6.49
No. of Tons of Freight (Revenue)	508.0	468.1
No. of Tons of Freight (All Fr.)	573.8	553.4
Loaded Freight Cars	23.3	22.2
Empty Freight Cars	8.6	9.4
AVERAGES PER PASS. TRAIN MILE		
Passenger Train Revenue	\$2.33	\$2.88
Passengers Carried	56.8	65.2
Passenger Cars	7.0	7.2
Average Operating Expenses per train mile	\$3.62	\$3.60
Average Length of Haul (Rev. Fr.) Miles	240.1	326.1
Average Passenger Journey Miles	78.3	83.9
Average Tons per loaded Fr. Car	24.7	24.9
Av. Fr. Receipt per Rev. Ton Mile	1.249¢	1.386¢
Av. Passenger Receipt per Pass. Per Mile	3.01¢	3.193¢
Ratio of Pay Roll to Operating Revenues	50.4%	49.0%
Ratio of Pay Roll to Operating Expenses	60.9%	64.2%
Ratio of Op. Expenses to Revenues	82.72%	76.29%

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

GRAND TRUNK RAILWAY

For the Month of May 1922.

	1922	1921
OPERATING REVENUES		
Freight	\$4,328,161.00	\$4,162,146.51
Passenger	1,004,168.00	1,173,131.18
Mail	102,000.00	89,990.03
Express	231,000.00	365,000.00
Other Freight Train		
Other Passenger Train	25,550.00	47,042.49
Water Line		
All Other	109,450.00	138,053.19
Total Railway Operating Revenues	5,800,329.00	5,975,363.40
OPERATING EXPENSES		
Maint. of Way and Structures	\$859,167.50	\$1,071,129.26
Maint. of Equipment	1,318,310.43	1,466,844.54
Traffic	133,800.28	171,076.77
Transportation	2,655,258.16	2,652,901.20
Misc. Operations	27,548.88	36,635.71
General	197,319.02	252,589.89
Trans. for Investment	Cr. 1,647.81	
Total Railway Operating Expenses	5,189,756.46	5,651,177.37
OPERATING INCOME		
Net Operating Revenue	\$610,572.54	\$324,186.03
Railway Tax Accruals	110,850.00	106,669.00
Uncollectable Revenues	2,056.36	1,052.77
Hire of Equipment	Cr. 244,386.09	Cr. 106,557.12
Joint Facilities Rents	Cr. 49,457.64	Cr. 39,135.05
Operating Income	791,519.91	362,156.43
OPERATING STATISTICS		
Average Miles of Road Operated	3,612	3,612
No. of Tons Carried (Rev. Fr.)	1,707,867	1,658,441
No. of Tons Carried One Mile (Rev. Fr.)	339,859.063	289,724.873
No. of Tons Carried (All Fr.)	1,922,318	1,896,410
No. of Tons Carried One Mile (All Fr.)	358,547.144	309,930.266
No. of Revenue Pass. Carried	857,047	918,020
No. of Revenue Pass. Carried One Mile	36,436.088	37,933.608
#Freight Train Miles	803,360	717,700
#Passenger Train Miles	656,309	660,255
Total Train Miles (Rev. & Non Rev.)	1,459,669	1,380,047
Freight Car Miles-Loaded	17,366,704	14,000,694
Freight Car Miles-Empty	8,511,413	8,014,329
Passenger Train Car Miles	3,794,362	3,805,226
Total amount of Pay Roll	\$3,544,685.81	\$3,729,150.58
Number of Employees	27,392	27,322
AVERAGES PER MILE OF ROAD OPERATED		
Operating Revenues	\$1,605.85	\$1,654.31
Operating Expenses	\$1,436.81	\$1,564.56
No. of Tons Moved One Mile (Rev.)	94,092	80,212
No. of Tons Moved One Mile (All Fr.)	99,266	85,806
#AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenue	\$5.39	\$5.80
No. of Tons of Freight (Revenue)	423.0	403.7
No. of Tons of Freight (All Fr.)	446.3	431.3
Loaded Freight Cars	21.6	19.5
Empty Freight Cars	10.6	11.2
#AVERAGES PER PASS. TRAIN MILE		
Passenger Train Revenue	\$2.08	\$2.54
Passengers Carried	55.5	57.5
Passenger Cars	5.8	5.8
Average Operating Expenses per Train Mile	\$5.56	\$4.09
Average Length of Haul (Rev. Fr.) Miles	199.0	174.7
Average Passenger Journey Miles	42.5	41.3
Average Tons per loaded Fr. Car	20.6	22.1
Av. Fr. Receipt per Rev. Ton Mile	1.274	1.437
Av. Passenger Receipt per Pass. per Mile	2.756	3.093
Ratio of Pay Roll to Operating Revenues	61.1%	62.4%
Ratio of Pay Roll to Operating Expenses	68.3%	66.0%
Ratio of Operating Expenses to Revenues	89.47%	94.57%

- Contains a proportion of mixed train miles

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