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DOMINION BUREAU OF STATISTICS

CANADA
DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH

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

+ + +

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

+ + +

OTTAWA

1923

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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. Wrona, B.Sc.

OPERATING REVENUES, EXPENSES & STATISTICS.

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000

For the Month of June, 1923.

The railways as a whole continued to show improvement over last year's operating results. Freight traffic increased over 30 per cent, increasing freight receipts by \$2,703,016 or 12 per cent. Passenger traffic also increased 4.2 per cent, increasing passenger train revenues 4.9 per cent and total revenues showed an increase of \$4,094,544 or 12.3 per cent. Operating expenses were increased by \$2,391,571, increased pay roll accounting for \$1,818,104, so that net operating revenues were increased by \$1,702,973. Traffic expenses showed a slight decrease but increases were recorded in maintenances and all divisions of operating expenses. The increases in traffic, both freight and passenger, are very encouraging and although revenues do not show corresponding increases on account of the cuts in rates during July and August last year, with the traffic sustained, they will show greater increases for subsequent months. Train loading showed an increase of 39.2 net tons of revenue freight and 59 net tons of all freight while car loading showed an increase of 2.6 tons per car.

Canadian National Railways reduced the operating ratio from 105.83 per cent June 1922 to 98.17 per cent and produced net operating revenues of \$314,741 as against a deficit of \$896,360 last year. This was the 2nd consecutive month this year that the system showed a net revenue as against deficits, January to April & June, July, Nov. & Dec. 1922 and each month except October during 1921.

Freight revenues increased \$1,526,170 or 14.7 per cent with an increase of 32 per cent in freight traffic and passenger revenues increased \$202,363 or 7.4 per cent with a slight decrease in the number of passengers carried but an increase in passenger miles of 9.6 per cent.

Maintenance expenses were slightly increased (\$31,535) and transportation expenses showed an increase of \$543,708 or 7.6 per cent with an increase of 34 per cent in total ton miles and of 20.6 per cent in freight train miles. The number of employees was increased 9,705 or 11 per cent with an increase in the pay roll of \$877,065 or 8.5 per cent. Train loading increased from 487.7 net tons to 541.8 net tons and 2.9 cars while car loading increased 1.8 tons per car.

Canadian Pacific Railways showed an increase in the operating ratio from 82.91 per cent for June 1922 to 84.84 per cent although this was a decrease from 87.99 per cent from May this year. Revenues increased \$911,953 or 6.5 per cent with increased freight traffic but expenses showed an increase of \$1,046,670 or 9 per cent, maintenance expenses increasing \$727,100 or 14 per cent and transportation expenses increasing \$287,423 or 5 per cent. Freight traffic showed an increase of 27 per cent in revenue freight and 35 per cent in total freight and freight train miles increased 24 per cent with an increase load per train of 45.1 net tons. The number of cars per train showed a decrease of half a car but the average car loading increasing from 22.8 tons to 25.8 tons. Freight revenues per train miles were \$5.45 as against \$6.18 for June 1922. Passenger train revenues per train mile showed a slight increase although the passenger miles was practically the same and Mail and express revenues declined \$14,383 and \$9,540 respectively.

On page 6 is a summary of the operating revenues, operating expenses and net operating revenues of the steam lines of the Canadian National system in Canada, also in the United States, for June and for the six months ended June 30, with comparable data for 1922. The Canadian lines show net revenue of \$314,742 for June 1923 as against a deficit of \$896,361 for June 1922 and for the first six months of 1923 show an operating deficit of \$2,727,997 which was \$1,890,823 less than the deficit for the corresponding period in 1922. The total system, however, showed a net operating revenue for the six months of \$1,728,088 as against an operating deficit of \$2,443,931 during the first six months of 1922 or a betterment of \$4,172,017 for the half year. The report also includes on pages 7-8-9 a summary of the monthly reports for the six months January - June.

For the half year, the railways as a whole, showed increases in every division of revenues except mail which decreased \$199,436 or 5.3 per cent, and also increases in every division of operating expense Freight revenues increased \$13,991,815 or 10.4 per cent for an increase of 21 per cent in revenue ton miles and passenger receipts increased \$1,885,061 or 5.6 per cent for an increase of 5.1 per cent in passenger miles. Total revenues showed an increase of \$17,999,342 or 9.6 per cent and with operating expenses increasing \$14,875,793 or 8.4 per cent, net operating revenues increased \$3,123,549 and the operating ratio was reduced from 94.53 per cent in 1922 to 93.49 per cent.

The cuts in freight rates July and August 1922 affected the 1923 revenues and were the greatest factors in reducing the average receipts per ton mile from 1.144 cents in 1922 to 1.044 cents for 1923. The pay roll showed an increase of \$9,347,171 or 8.8 per cent with an increase of 3.5 per cent in the average number of employees.

Canadian National Railways showed a reduction in the operating deficit for the six months of \$1,890,822 and reduced the operating deficit from 105.34 per cent for January - June 1922 to 102.85 per cent for the first half of 1923. Net revenues were earned for April, May and June 1923 but they were not sufficient to overcome the deficits for January, February and March.

Compared with the corresponding period last year, declines were recorded in both mail and express revenues and although freight traffic increased 23.2 per cent, freight revenues increased only 12.5 per cent or \$7,946,692 with an average receipt per ton mile of .986¢ as against 1.081¢ last year.

Train loading increased 60.2 net tons and 1.6 cars keeping the increase in freight train miles down to 13 per cent for an increase of 27.2 per cent in net ton miles (all freight). Car loading was also increased 1.7 tons per car. The pay roll showed an increase of \$4,832,469 or 3.3 per cent with an increase of 8.5 per cent or 6,905 in the average number of employees.

Canadian Pacific Railways showed a decline in net operating revenues of \$1,908,662 and an increase in operating ratio from 87.03 per cent last year to 84.37 per cent. Freight traffic showed an increase of 15 per cent but freight revenues increased only 5 per cent or \$2,593,094 while maintenance expenses were increased \$2,186,005 or 8 per cent and transportation expenses were increased \$2,295,788 or 6.8 per cent with an increase of 20.7 per cent in net ton miles and 19.6 per cent in freight train miles. The pay roll was increased \$3,495,963 or 9 per cent for an increase of 8 per cent or 4,328 in the average number of employees.

OPERATING REVENUES, EXPENSES & STATISTICSSTEAM RAILWAYS OF CANADAWith annual Operating Revenues of \$500,000.

For the Month of June, 1923.

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$24,938,534.74	\$22,235,518.20
Passenger	7,534,713.29	7,185,777.60
Mail	597,199.51	619,761.21
Express	1,724,349.09	1,105,236.87
Other Freight Train	795.02	5,271.72
Other Passenger Train	674,242.21	663,117.79
Water Line	354,264.77	297,734.26
All Other	1,623,639.70	1,240,776.05
Total Railway Operating Revenues	\$37,447,738.33	\$33,353,193.70
<u>OPERATING EXPENSES</u>		
Maint. of Way & Structures	\$ 8,234,876.29	\$ 7,924,884.02
Maint. of Equipment	7,251,649.27	6,749,728.87
Traffic	1,083,150.09	1,036,555.83
Transportation	15,129,526.97	13,727,415.75
Misc. Operations	612,232.14	499,044.02
General	1,009,759.82	974,706.10
Trans. for Investment	Cr. 40,530.37	73,241.47
Total Railway Operating Expenses	\$33,280,664.21	\$30,889,093.12
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$ 4,167,074.12	\$ 2,464,100.58
Railway Tax Accruals	557,608.75	578,260.70
Uncollectable Revenues	3,016.15	8,600.56
Hire of Equipment	Cr. 579,659.23	Cr. 294,103.63
Joint Facilities Rents	Dr. 81,710.17	Dr. 203,934.96
Operating Income	\$ 4,104,398.28	\$ 1,967,407.99
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	38,480	38,805
No. of Tons Carried (Rev. Fr.)	9,040,762	7,306,750
No. of Tons Carried One Mile " "	2,279,076,244	1,743,831,341
No. of Tons Carried (All Fr.)	10,726,454	8,430,655
No. of Tons Carried One Mile " "	2,624,218,473	1,953,603,410
No. of Revenue Pass. Carried	3,682,597	3,669,573
No. of Revenue Pass. Carried One Mile	267,727,957	256,981,738
#Freight Train Miles	4,703,509	3,916,067
#Passenger Train Miles	3,974,401	4,003,342
Total Train Miles (Rev. and Non Rev.)	9,279,432	8,429,268
Freight Car Miles-Loaded	104,359,508	86,852,122
Freight Car Miles-Empty	56,500,591	41,998,666
Passenger Train Car Miles	28,524,316	28,140,703
Total Amount of Pay Roll	\$20,771,029.73	\$18,952,924.95
Number of Employees	178,128	162,620
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$32.44	\$28.65
Operating Expenses	\$28.83	\$26.53
No. of Tons Moved One Mile (Rev. Fr.)	1,974	1,498
No. of Tons Moved One Mile (All Fr.)	2,273	1,678
No. of Rev. Passengers Carried One Mile	232	221
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$ 5.30	\$ 5.68
No. of Tons of Freight (Rev. Fr.)	484.5	445.3
No. of Tons of " (All Fr.)	557.9	498.9
Loaded Freight Cars	22.2	22.2
Empty Freight Cars	12.0	10.7
<u>#AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$2.65	\$2.39
Passengers Carried	67.4	64.2
Passenger Cars	7.2	7.0
Average Operating Expenses Per Train Mile	\$3.59	\$3.66
Average Length of Haul (Rev. Fr.) Miles	252.1	238.7
Average Passenger Journey "	72.7	70.0
Average Tons per Loaded Fr. Car	25.1	22.5
Av. Fr. Receipt per Rev. Ton Mile	1.094¢	1.275¢
Av. Passenger Receipt per Pass. Per Mile	2.814¢	2.796¢
Ratio of Pay Roll to Operating Revenues	55.5%	56.8%
Ratio of Pay Roll to Operating Expenses	62.4%	61.4%
Ratio of Operating Expenses to Revenues	88.87%	92.61%

Contains a proportion of mixed train miles.

OPERATING REVENUES EXPENSES & STATISTICS

CANADIAN NATIONAL RY.

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

For the Month of June, 1923.

	1923	1922
OPERATING REVENUES		
Freight	\$11,924,083.00	\$10,397,912.87
Passenger	2,942,334.00	2,739,970.29
Mail	262,081.00	271,529.57
Express	1,121,961.00	1,155,678.29
Other Freight Train		
Other Passenger Train	222,700.00	208,340.08
Water Line		
All Other	719,830.99	592,291.98
Total Railway Operating Revenues	17,192,989.99	15,365,723.08
OPERATING EXPENSES		
Maint. of Way & Structures	4,032,030.33	4,313,018.13
Maint. of Equipment	3,927,596.04	3,615,072.59
Traffic	343,801.38	380,848.81
Transportation	7,722,308.25	7,178,599.60
Misc. Operations	315,687.65	312,978.16
General	573,203.17	534,528.51
Trans. for Investment	Cr. 36,378.56	72,961.98
Total Railway Operating Expenses	16,878,248.26	16,262,083.82
OPERATING INCOME		
Net Operating Revenue	Cr. 314,741.73	896,360.74
Railway Tax Accruals	196,342.72	253,917.00
Uncollectable Revenues	2,897.65	8,285.10
Hire of Equipment	Cr. 415,958.99	Cr. 317,527.85
Joint Facilities Rents	Cr. 48,021.79	Cr. 99,380.39
Operating Income	Cr. 579,482.14	Cr. 940,415.38
OPERATING STATISTICS		
Average Miles of Road Operated	20,455.25	20,646.21
No. of Tons Carried (Rev. Fr.)	3,858,547	3,084,801
No. of Tons Carried One Mile " "	1,166,564,100	882,346,227
No. of Tons Carried (All Fr.)	4,630,802	3,606,627
No. of Tons Carried One Mile " "	1,327,370,000	990,735,287
No. of Revenue Pass. Carried	1,770,447	1,782,623
No. of Revenue Pass. Carried One Mile	107,374,585	98,005,484
#Freight Train Miles	2,449,572	2,031,524
#Passenger Train Miles	1,710,746	1,736,267
Total Train Miles (Rev. & Non Rev.)	4,533,223	4,169,634
Freight Car Miles-Loaded	52,287,443	42,037,545
Freight Car Miles-Empty	32,972,935	22,796,465
Passenger Train Car Miles	12,235,307	11,814,396
Total Amount of Pay Roll	11,182,126.22	10,305,060.69
Number of Employees	97,241	87,536
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating Revenues	\$28.02	\$24.81
Operating Expenses	\$27.50	\$26.26
No. of Tons Moved One Mile (Rev. Fr.)	1,901	1,425
No. of Tons Moved One Mile (All Fr.)	2,163	1,599
No. of Rev. Passengers Carried One Mile	175	158
#AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenue	\$ 4.87	\$ 5.12
No. of Tons of Freight (Rev. Fr.)	476.2	434.3
No. of Tons of Freight (All Fr.)	541.8	487.7
Loaded Freight Cars	21.3	20.7
Empty Freight Cars	13.5	11.2
#AVERAGES PER PASS. TRAIN MILE		
Passenger Train Revenues	\$2.66	\$ 2.52
Passengers Carried	62.8	56.4
Passenger Cars	7.2	6.8
Average Operating Expenses per Train Mile	\$3.72	\$3.90
Average Length of Haul (Rev. Fr.) Miles	302.3	286.0
Average Passenger Journey Miles	60.6	55.0
Average Tons per Loaded Fr. Car	25.4	23.6
Av. Fr. Receipt per Rev. Ton Mile	1.022¢	1.178¢
Av. Passenger Receipt per Pass. Per Mile	2.740¢	2.796¢
Ratio of Pay Roll to Operating Revenues	65.0%	67.1%
Ratio of Pay Roll to Operating Expenses	66.3%	63.4%
Ratio of Operating Expenses to Revenues	98.17%	105.83%

- Contains a proportion of mixed train miles

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RY.

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

For the Month of June, 1923.

	1923	1922
<u>OPERATING REVENUES.</u>		
Freight	\$9,385,088.20	\$8,550,984.23
Passenger	3,474,167.59	3,415,162.04
Mail	285,425.57	299,808.92
Express	479,769.39	489,309.94
Other Freight Train	298.77	4,528.93
Other Passenger Train	427,779.54	415,505.19
Water Line	261,034.07	242,524.40
All Other	697,806.68	681,592.30
Total Railway Operating Revenues	15,011,369.81	14,099,416.00
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$3,289,981.99	\$2,868,614.89
Maint. of Equipment	2,486,776.61	2,181,043.47
Traffic	659,634.99	618,690.84
Transportation	5,755,056.10	5,467,633.01
Misc. Operations	251,068.91	260,118.09
General	293,812.46	293,560.53
Trans. for Investment	-----	-----
Total Railway Operating Expenses	12,736,331.06	11,689,660.83
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$2,275,038.75	\$2,409,755.17
Railway Tax Accruals	275,445.59	252,524.65
Uncollectable Revenues	-----	-----
Hire of Equipment	Cr. 463,891.43	Cr. 225,105.35
Joint Facilities Rents	Cr. 12,488.51	Cr. 24,337.97
Operating Income	2,475,973.10	2,406,674.34
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	13,919.9	13,877.2
No. of Tons Carried (Rev. Fr.)	2,449,390	2,047,022
No. of Tons Carried One Mile (Rev. Fr.)	828,705,579	650,993,425
No. of Tons Carried (All Fr.)	3,248,721	2,506,729
No. of Tons Carried One Mile (All Fr.)	1,003,888,383	745,279,774
No. of Revenue Pass. Carried	1,375,808	1,353,235
No. of Revenue Pass. Carried One Mile	126,834,395	126,865,076
#Freight Train Miles	1,721,335	1,385,007
#Passenger Train Miles	1,819,661	1,830,811
Total Train Miles (Rev. & Non Rev.)	3,735,154	3,348,551
Freight Car Miles-Loaded	38,948,135	32,675,382
Freight Car Miles-Empty	16,842,922	12,902,448
Passenger Train Car Miles	13,102,666	13,193,740
Total Amount of Pay Roll	\$7842,693.21	\$7,163,688.50
Number of Employees	68,105	62,306
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$35.95	\$33.87
Operating Expenses	\$30.50	\$28.08
No. of Tons Moved One Mile (Rev. Fr.)	1,984	1,564
No. of Tons Moved One Mile (All Fr.)	2,404	1,790
No. of Rev. Passengers Carried One Mile	304	305
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$5.45	\$6.18
No. of Tons of Freight (Rev. Fr.)	481.4	470.0
No. of Tons of Freight (All Fr.)	583.2	538.1
Loaded Freight Cars	22.6	23.6
Empty Freight Cars	9.8	9.3
<u>#AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenues	\$2.56	\$2.52
Passengers Carried	69.7	69.3
Passenger Cars	7.2	7.2
Average Operating Expenses Per Train Mile	\$3.41	\$3.49
Average Length of Haul (Rev. Fr.) Miles	338.3	318.0
Average Passenger Journey Miles	92.2	93.7
Average Tons per Loaded Fr. Car.	25.8	22.8
Av. Fr. Receipt per Rev. Ton Mile	1.132¢	1.314¢
Av. Passenger Receipt per Pass. per Mile	2.739¢	2.691¢
Ratio of Pay Roll to Operating Revenues	52.2%	50.8%
Ratio of Pay Roll to Operating Expenses	61.6%	61.3%
Ratio of Operating Expenses to Revenues	84.84%	82.91%

- Contains a proportion of mixed train miles.

CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada and United States)

For the Month of June, 1923.

OPERATING REVENUES

	1923	1922
Canadian Lines	\$17,192,990	\$15,365,723
Duluth, Winnipeg & Pacific	176,674	194,909
Grand Trunk Western Lines.	2,891,840	2,576,260
New England Lines.	213,645	171,823
Total	\$20,475,149	\$18,308,715

OPERATING EXPENSES

Canadian Lines	\$16,878,248	\$16,262,084
Duluth, Winnipeg & Pacific	173,566	147,522
Grand Trunk Western Lines.	1,993,272	1,823,642
New England Lines.	309,591	199,280
Total	\$19,354,677	\$18,432,528

NET OPERATING REVENUES

Canadian Lines	\$ 314,742	Dr. \$896,361
Duluth, Winnipeg & Pacific.	3,107	47,387
Grand Trunk Western Lines.	898,569	752,618
New England Lines.	Dr. 95,946	Dr. 27,457
Total	\$ 1,120,472	Dr. \$123,813

OPERATING REVENUES

Six Months ended June 30, 1923.

	1923	1922
Canadian Lines	\$95,864,890	\$86,536,785
Duluth, Winnipeg & Pacific	1,311,286	972,666
Grand Trunk Western Lines.	16,039,105	11,853,145
New England Lines.	1,847,480	1,491,243
Total.	\$115,062,761	\$100,853,839

OPERATING EXPENSES

Canadian Lines	\$ 98,592,887	\$ 91,155,604
Duluth, Winnipeg & Pacific	1,080,923	891,372
Grand Trunk Western Lines.	11,540,590	9,759,949
New England Lines.	2,120,275	1,490,845
Total.	\$113,334,675	\$103,297,770

NET OPERATING REVENUES

Canadian Lines	Dr. \$ 2,727,997	Dr. \$4,618,820
Duluth, Winnipeg & Pacific	230,363	81,293
Grand Trunk Western Lines.	4,498,515	2,093,196
New England Lines.	Dr. 272,795	398
Total.	Cr. \$ 1,728,086	Dr. \$2,443,931

OPERATING REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

With an Annual Operating Revenue of \$500,000.
For the six Months January to June

	1923	1922
OPERATING REVENUES		
Freight	\$148,718,310.24	\$134,726,494.31
Passenger	35,384,453.86	33,499,391.93
Mail	3,559,739.59	3,759,176.54
Express	7,040,809.45	6,037,322.13
Other Freight Train	28,331.86	20,802.82
Other Passenger Train	2,952,587.41	2,843,783.15
Water Line	818,195.12	766,772.48
All Other	7,328,100.04	6,177,441.20
Total Railway Operating Revenues	\$205,830,527.57	\$187,831,184.59
OPERATING EXPENSES		
Maint. of Way & Structures	\$35,575,104.09	\$33,228,678.80
Maint. of Equipment	45,028,557.99	43,420,361.75
Traffic	6,407,900.19	6,071,629.71
Transportation	96,873,563.45	87,044,362.15
Misc. Operations	2,693,049.04	2,479,312.54
General	6,000,085.76	5,667,856.41
Trans. for Investment	153,354.82	363,588.79
Total Railway Operating Expenses	\$192,424,905.70	\$177,549,112.57
OPERATING INCOME		
Net Operating Revenue	\$ 13,405,621.87	\$ 10,282,072.02
Railway Tax Accruals	3,415,456.67	3,055,050.37
Uncollectable Revenues	35,187.93	27,777.82
Hire of Equipment	Cr. 3,572,622.23	Cr. 2,028,003.06
Joint Facilities Rents	Dr. 735,705.98	Dr. 540,520.41
Operating Income	\$12,791,893.47	\$8,686,731.42
OPERATING STATISTICS		
A verage Miles of Road Operated	38,709	38,305
No. of Tons Carried (Rev. Fr.)	53,613,222	42,874,337
No. of Tons Carried One Mile " "	14,244,777,310	11,776,875,996
No. of Tons Carried (All Fr.)	63,345,338	49,727,250
No. of Tons Carried One Mile " "	16,247,604,603	12,995,180,071
No. of Rev. Pass. Carried	20,220,587	19,963,494
No. of Rev. Pass. Carried One Mile	1,206,483,917	1,148,022,566
Freight Train Miles	29,696,715	25,598,251
Passenger Train Miles	22,241,955	21,531,487
Total Train Miles (Rev. & Non Rev.)	54,136,285	48,475,154
Freight Car Miles-Loaded	645,986,061	539,786,966
Freight Car Miles-Empty	288,051,374	245,395,824
Passenger Train Car Miles	147,452,576	143,577,950
Total Amount of Pay Roll	\$115,376,546.19	\$106,029,374.52
Number of Employees	158,630	146,228
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating Revenues	\$177.25	\$161.35
Operating Expenses	\$165.70	\$152.51
No. of Tons Moved One Mile (Rev. Fr.)	12,267	10,116
No. of Tons Moved One Mile (All Fr.)	13,991	11,151
No. of Rev. Pass. Carried One Mile	1,038	981
#AVERAGES PER FREIGHT TRAIN MILE		
Freight Revenues	\$5.01	\$5.21
NO. of Tons of Freight (Rev. Fr.)	479.7	460.1
No. of Tons of Freight (All Fr.)	547.1	507.7
Loaded Freight Cars	22.0	21.1
Empty Freight Cars	9.7	9.6
#AVERAGES PER PASS. TRAIN MILE		
Passenger Train Revenue	\$2.20	\$2.14
Passengers Carried	54.2	53.3
Passenger Cars	6.6	6.7
Average Operating Expenses per train mile	\$3.55	\$3.66
Average Length of Haul (Rev. Fr.) Miles	265.7	274.7
Average Passenger Journey Miles	59.67	57.53
Average Tons per Loaded Fr. Car.	25.2	24.1
Av. Fr. Receipt per Rev. Ton Mile	1.044¢	1.144¢
Av. Passenger Receipt per Pass. Per Mile	2.933¢	2.918¢
Ratio of Pay Roll to Operating Revenues	56.1%	56.4%
Ratio of Pay Roll to Operating Expenses	60.0%	59.7%
Ratio of Operating Expenses to Revenue	93.49%	94.53%

Contains a proportion of mixed train miles.

OPERATING REVENUES EXPENSES & STATISTICS

CANADIAN NATIONAL RYS.

(Can. Gov., Can. Northern, Grand Trunk Pac.)

For the Six Months January to June

1923

1922

OPERATING REVENUES

Freight	\$71,736,305.57	\$63,789,612.64
Passenger	14,861,903.95	13,542,164.69
Mail	1,531,929.03	1,683,196.37
Express	3,691,753.02	3,985,623.73
Other Freight Train	8,700.00	Dr. 8,329.65
Other Passenger Train	1,117,114.05	1,017,796.25
Water Line	-----	.40
All Other	2,917,134.80	2,526,720.37
Total Railway Operating Revenues	98,864,890.42	86,536,784.80

OPERATING EXPENSES

Maint. of Way & Structures	\$18,541,767.44	\$17,754,973.76
Maint. of Equipment	23,207,200.52	22,764,753.32
Traffic	2,122,459.09	2,089,754.49
Transportation	50,290,198.28	44,683,883.26
Misc. Operations	1,239,442.60	1,241,573.62
General	3,332,036.06	2,982,837.95
Trans. for Investment	Cr. 140,216.60	Cr. 362,172.09
Total Railway Operating Expenses	98,592,887.39	91,155,604.37

OPERATING INCOME

Net Operating Revenue	Dr. \$ 2,727,996.97	Dr. \$4,618,819.57
Railway Tax Accruals	1,309,402.58	1,091,557.21
Uncollectable Revenues	28,932.59	20,312.67
Hire of Equipment	Cr. 2,301,148.59	Cr. 2,185,470.12
Joint Facilities Rents	Cr. 95,825.20	Cr. 100,861.57
Operating Income	Dr. 1,669,408.35	Dr. 3,444,357.76

OPERATING STATISTICS

Average Miles of Road Operated	20,627	20,726
No. of Tons Carried (Rev. Fr.)	22,888,684	17,758,847
No. of Tons Carried One Mile " " 7,274,229,163	5,902,507,835	
No. of Tons Carried (All Fr.)	27,732,029	21,199,057
No. of Tons Carried One Mile " " 8,356,395,622	6,571,516,347	
No. of Revenue Pass. Carried	10,414,727	10,316,873
No. of Revenue Pass. Carried One Mile	513,543,746	487,706,029
Freight Train Miles	15,402,055	13,625,940
Passenger Train Miles	10,174,792	10,029,217
Total Train Miles, (Rev. & Non Rev.)	26,834,468	24,657,160
Freight Car Miles-Loaded	325,832,124	275,473,894
Freight Car Miles-Empty	158,230,631	132,485,101
Passenger Train Car Miles	64,099,439	64,465,864
Total Amount of Pay Roll	\$63,046,081.01	\$58,213,611.58
Number of Employees	87,797	80,892

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operating Revenue	\$154.92	\$139.18
Operating Expenses	\$159.33	\$146.60
No. of Tons Moved One Mile (Rev. Fr.)	11,755	9,493
No. of Tons Moved One Mile (All Fr.)	13,504	10,569
No. of Rev. Pass. Carried One Mile	830	784

#AVERAGES PER FREIGHT TRAIN MILE

Freight Revenues	\$4.66	\$4.68
No. of Tons of Freight (Rev. Fr.)	472.3	433.2
No. of Tons of Freight (All Fr.)	542.5	482.3
Loaded Freight Cars	21.2	20.2
Empty Freight Cars	10.3	9.7

#AVERAGES PER PASS. TRAIN MILE

Passenger Train Revenue	\$2.08	\$2.02
Passengers Carried	50.5	48.6
Passenger Cars	6.3	6.4
Average Operating Expenses per train mile	\$3.67	\$3.70
Average Length of Haul (Rev. Fr.) Miles	317.8	332.4
Average Passenger Journey Miles	49.3	47.3
Average Tons per Loaded Fr. Car	25.6	23.9
A v. Fr. Receipt per Rev. Ton Mile	.986¢	1.081¢
Av. Passenger Receipt per Pass. per Mile	2.894¢	2.777¢
Ratio of Pay Roll to Operating Revenues	65.8%	67.3%
Ratio of Pay Roll to Operating Expenses	63.9%	63.9%
Ratio of Operating Expenses to Revenues	102.85%	105.34%

#Contains a proportion of mixed train miles.

Subject to Revision

OPERATING REVENUES EXPENSES & STATISTICS

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

For the six Months January to June

1922

OPERATING REVENUES

Freight	\$54,819,215.70	\$52,226,120.84
Passenger	15,241,708.73	15,162,104.68
Mail	1,757,550.70	1,803,012.72
Express	2,710,141.88	2,689,232.46
Other Freight Train	14,069.93	27,317.31
Other Passenger Train	1,717,762.05	1,681,825.11
Water Line	632,095.21	614,416.81
All Other	3,476,553.52	3,292,861.62
Total Railway Operating Revenues	80,369,102.72	77,486,941.52

OPERATING EXPENSES

Maint. of Way & Structures	12,526,858.72	11,691,211.23
Maint. of Equipment	16,744,164.54	15,393,806.89
Traffic	3,864,152.04	3,517,104.39
Transportation	36,061,018.39	33,765,230.15
Misc. Operations	1,207,941.19	1,262,158.04
General	1,824,778.00	1,808,578.41
Trans. for Investment	-----	-----
Total Railway Operating Expenses	72,228,912.88	67,438,089.11

OPERATING INCOME

Net Operating Revenue	8,140,189.84	10,048,852.41
Railway Tax Accruals	1,577,189.63	1,480,936.88
Uncollectable Revenues	-----	-----
Hire of Equipment	Cr. 3,102,093.85	Cr. 1,367,214.64
Joint Facilities Rents	Cr. 51,638.10	Cr. 127,708.71
Operating Income	9,716,737.16	10,062,838.88

OPERATING STATISTICS

Average Miles of Road Operated	13,919.9	13,877.2
No. of Tons Carried (Rev. Fr.)	14,309,643	12,633,595
No. of Tons Carried One Mile " "	5,201,030.634	4,518,450.580
No. of Tons Carried (All Fr.)	13,550,930	15,330,068
No. of Tons Carried One Mile " "	6,063,926.464	5,023,371.448
No. of Revenue Pass. Carried	7,064,093	6,948,706
No. of Revenue Pass. Carried One Mile	534,943.780	516,444.314
Freight Train Miles	10,927,063	9,138,966
Passenger Train Miles	9,431,717	9,411,116
Total Train Miles (Rev. and Non Rev.)	21,117,873	18,928,752
Freight Car Miles-Loaded	235,846,349	200,183,036
Freight Car Miles-Empty	93,527,697	76,644,460
Passenger Train Car Miles	65,008,495	63,718,954
Total Amount of Pay Roll	\$42,301,263.62	\$38,805,299.98
Number of Employees	58,499	54,171

DAILY AVERAGES PER MILE OF ROAD OPERATED

Operating Revenues	\$192.46	\$156.13
Operating Expenses	\$172.96	\$161.99
No. of Tons Moved One Mile (Rev. Fr.)	12,455	10,853
No. of Tons Moved One Mile (All Fr.)	14,521	12,066
No. of Rev. Passengers Carried One Mile	1,281	1,240

#AVERAGES PER FREIGHT TRAIN MILE

Freight Revenues	\$5.02	\$5.72
No. of Tons of Freight (Rev. Fr.)	476.0	494.4
No. of Tons of Freight (All Fr.)	554.9	549.7
Loaded Freight Cars	21.6	21.9
Empty Freight Cars	8.6	8.4

#AVERAGES PER PASS. TRAIN MILE

Passenger Train Revenues	\$2.27	\$2.27
Passengers Carried	56.7	54.9
Passenger Cars	6.9	6.0
Average Operating Expenses per train mile	\$3.42	\$3.56
Average Length of Haul (Rev. Fr.) Miles	363.5	357.7
Average Passenger Journey "	75.7	74.3
Average Tons per Loaded Fr. Car.	25.7	25.1
Av. Fr. Receipt per Rev. Ton Mile	1.054%	1.156%
Av. Passenger Receipt per Pass. Per Mile	2.845%	2.936%
Ratio of Pay Roll to Operating Revenues	52.6%	50.1%
Ratio of Pay Roll to Operating Expenses	58.6%	57.5%
Ratio of Operating Expenses to Revenues	89.87%	87.03%

Contains a proportion of mixed train miles.

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