

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. Wrong, B.Sc.

OPERATING, REVENUES, EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

WITH ANNUAL OPERATING REVENUES OF \$500,000.

For the Month of July, 1923.

The railways as a whole showed an increase in freight traffic over August 1922 of 17 per cent but freight revenues increased only 11 per cent, or \$2,546,348. The lower rates on grain were in effect since July 6, 1922 but the cuts in rates on basic commodities were not in effect until August 1, 1922 so that July 1923 revenues were adversely affected by them. Passenger traffic increased 7 per cent increasing passenger revenues by \$516,600, or 6 per cent. Express revenues declined \$109,278, or 6 per cent and mail, other freight and other passenger train revenues also showed decreases but total revenues showed an increase of \$2,933,466 or 8.2 per cent and with operating expenses increasing only \$1,268,494, or 4 per cent, net operating revenues showed an increase of \$1,664,971. The operating ratio ^{was} reduced from 92.92 per cent last year to 89.15 per cent. Passenger train revenues per train mile were practically unchanged but freight revenues per train mile declined from \$5.47 to \$5.39 although revenue net tons per train increased from 435.5 tons to 449.7 tons.

Canadian National Railways earned a net operating revenue of \$765,742 as against a deficit of \$57,781 last year, reducing the operating ratio from 100.35 per cent to 95.70 per cent. Revenue freight traffic increased 10 per cent increasing freight revenues \$1,041,747, or 10 per cent; passenger traffic increased 6 per cent producing an increase in revenues of \$258,438, or 8 per cent. Mail, express and other revenues showed decreases, cutting the increase in total revenues to \$1,108,860, or 6.6 per cent. Although freight traffic (revenue and non revenue) increased 15 per cent and train miles increased 5 per cent, operating expenses were increased only 1.7 per cent, or \$235,335 with the pay roll increasing \$1,052,407, or 10 per cent for an increase of 7,687 employees.

The operating results of the total systems including the lines in the United States (See page 6) show an increase in the net operating revenue for July of \$749,324 and for the seven months of \$5,187,453 compared with the same periods last year. These improvements were made despite the lower freight rates this year and were due to increased traffic handled at cheaper rates but also at lower operating costs per ton mile and per train mile.

Canadian Pacific Railway showed an increase in freight traffic of 21 per cent, but only 12 per cent, or \$1,043,986 in freight revenues. Total revenues increased \$1,193,487 and operating expenses increased \$1,101,427, or 8.6 per cent giving an increase in the net operating revenue of \$92,060. Transportation expenses increased \$347,377, or 6.1 per cent for an increase of 33 per cent in total ton miles and 12 per cent in total train miles. The pay roll showed an increase of \$631,592, or 8.5 per cent for an increase of 5,187, or 8.2 per cent in the number of employees. Passenger traffic increased 7 per cent and the average journey from 86.7 miles to 91.5 miles, indicating an increase in the long haul traffic.

The brief summary on page 6 shows an increase in revenues for the Canadian Pacific Railway for the seven months, of 4 per cent but also an increase in operating expenses producing a net operating revenue of \$1,816,602 less than last year for the same period.

NOTE

A corrected report has been received from the Canadian National railways for the six months January - June which also affected the data for all railways. Will the recipients of this report please destroy the summaries which accompanied the June report and substitute the attached revised statements.

OPERATING REVENUES EXPENSES & STATISTICS

STEAM RAILWAYS OF CANADA

With Annual Operating Revenues of \$500,000.

For the Month of July, 1923.

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$24,864,056.86	\$22,317,708.52
Passenger	8,706,907.39	8,190,306.42
Mail	602,688.57	617,913.50
Express	1,750,226.66	1,859,504.32
Other Freight Train	858.60	5,971.32
Other Passenger Train	704,305.88	759,828.02
Water Line	368,910.59	333,197.02
All Other	1,662,217.65	1,637,775.75
Total Railway Operating Revenues	\$38,660,672.20	\$35,727,206.12
<u>OPERATING EXPENSES</u>		
Maint. of Way and Structures	\$9,054,929.75	\$8,437,085.17
Maint. of Equipment	7,104,011.71	7,225,195.68
Traffic	1,141,856.43	1,209,156.13
Transportation	15,614,249.51	14,765,195.90
Misc. Operations	690,771.63	675,123.37
General	1,019,087.73	944,243.45
Trans. For Investment	Cr, 159,966.54	Cr, 59,554.21
Total Railway Operating Expenses	\$34,464,940.22	\$33,196,445.47
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$4,195,731.98	\$2,530,760.65
Railway Tax Accruals	577,800.69	629,182.62
Uncollectable Revenues	773.59	982.92
Hire of Equipment	Cr, 205,426.12	Cr, 232,988.39
Joint Facilities Rents	Dr, 94,872.15	Dr, 82,808.91
Operating Income	\$3,727,711.67	\$2,050,774.52
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	38,451.14	38,386.95
No. of Tons Carried (Rev. Fr.)	8,700,073	7,060,895
No. of Tons Carried One Mile " "	2,074,721,810	1,776,784,721
No. of Tons Carried (All Fr.)	10,479,911	8,264,828
No. of Tons Carried One Mile " "	2,479,627,193	2,002,708,357
No. of Revenue Pass. Carried	4,411,110	4,425,741
No. of Revenue Pass. Carried One Mile	318,392,547	297,518,175
Freight Train Miles	4,613,664	4,080,177
Passenger Train Miles	4,305,618	4,164,115
Total Train Miles (Rev. & Non Rev.)	9,625,138	8,918,166
Freight Car Miles - Loaded	102,315,844	89,648,080
Freight Car Miles - Empty	52,870,467	44,982,293
Passenger Train Car Miles	32,325,907	30,219,333
Total Amount of Pay Roll	\$21,277,751.88	\$19,478,008.86
Number of Employees	181,408	167,248
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$32.43	\$30.02
Operating Expenses	\$28.91	\$27.90
No. of Tons Moved One Mile (Rev. Fr.)	1,741	1,493
No. of Tons Moved One Mile (All Fr.)	2,080	1,683
No. of Rev. Passengers Carried One Mile	267	250
<u>RATES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$ 5.39	\$ 5.47
No. of Tons of Freight (Rev. Fr.)	449.7	435.5
No. of Tons of Freight (All Fr.)	537.5	490.8
Loaded Freight Cars	22.2	22.0
Empty Freight Cars	11.5	11.0
<u>RATES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$ 2.73	\$ 2.74
Passengers Carried	73.9	71.4
Passenger Cars	7.5	7.3
Average Operating Expenses per Train Mile	\$ 3.58	\$ 3.72
Average Length of Haul (Rev. Fr.) Miles	238.5	251.6
Average Passenger Journey Miles	72.2	67.2
Average Tons Per Loaded Fr. Car	24.2	22.3
Fr. Receipt per Rev. Ton Mile	1.198¢	1.256¢
Passenger Receipt per Pass. Per Mile	2.735¢	2.753¢
Ratio of Pay Roll to Operating Revenues	55.0%	54.5%
Ratio of Pay Roll to Operating Expenses	61.7%	58.7%
Ratio of Operating Expenses to Revenues	89.15%	92.92%

OPERATING REVENUES, EXPENSES & STATISTICS:

CANADIAN NATIONAL RY.

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

For Month of July, 1923.

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$11,839,069.00	\$10,797,321.80
Passenger	3,627,620.00	3,369,181.12
Mail	259,000.00	264,197.72
Express	1,058,300.00	1,181,885.72
Other Freight Train ¹	- - - -	3,459.12
Other Passenger Train	232,531.00	285,735.10
Water Line	- - - -	- - - -
All Other	775,332.03	781,211.36
Total Railway Operating Revenues	\$17,791,852.03	\$16,682,992.00
<u>OPERATING EXPENSES</u>		
Maint. of Way & Structures	\$ 4,384,106.02	\$ 4,235,460.59
Maint. of Equipment	3,471,230.45	3,709,429.92
Traffic	379,593.20	486,301.80
Transportation	7,995,516.83	7,508,360.72
Misc. Operations	370,573.04	370,444.94
General	579,015.30	490,180.45
Trans. for Investment	Cr. 153,925.73	Cr. 59,405.03
Total Railway Operating Expenses	\$17,026,109.11	\$16,740,773.39
<u>OPERATING INCOME</u>		
Net Operating Revenue	\$ 765,742.92	Dr. \$ 57,781.39
Railway Tax Accruals	162,002.18	297,060.75
Uncollectable Revenues	342.50	899.27
Hire of Equipment	Cr. 154,119.00	Cr. 213,760.09
Joint Facilities Rents	Cr. 20,780.95	Cr. 20,374.37
Operating Income	778,292.19	Dr. 121,606.35
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	20,426.66	20,406.03
No. of Tons Carried (Rev. Fr.)	3,808,431	3,064,052
No. of Tons Carried One Mile " "	990,433,852	899,928,147
No. of Tons Carried (All Fr.)	4,684,165	3,682,202
No. of Tons Carried One Mile " "	1,170,684,313	1,017,908,729
No. of Rev. Passengers Carried	2,133,063	2,158,728
No. of Revenue Pass. Carried One Mile	132,983,504	125,640,688
Freight Train Miles	2,282,495	2,105,761
Passenger Train Miles	1,889,326	1,849,172
Total Train Miles (Rev. & Non Rev.)	4,642,151	4,425,299
Freight Car Miles - Loaded	48,969,713	43,197,242
Freight Car Miles - Empty	26,339,478	23,613,360
Passenger Train Car Miles	13,755,357	12,973,866
Total Amount of Pay Roll	\$11,499,635.27	\$10,447,228.19
Number of Employees:	99,526	91,839
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$28.10	\$26.37
Operating Expenses	26.89	\$26.46
No. of Tons Moved One Mile (Rev. Fr.)	1,564	1,423
No. of Tons Moved One Mile (All Fr.)	1,849	1,609
No. of Rev. Passengers Carried One Mile	210	199
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenues	\$5.19	\$5.13
No. of Tons of Freight (Rev. Fr.)	433.9	427.4
No. of Tons of Freight (All Fr.)	512.9	483.4
Loaded Freight Cars	21.5	20.5
Empty Freight Cars	11.5	11.2
<u>AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenue	\$2.74	\$2.76
Passengers Carried	70.4	67.9
Passenger Cars	7.3	7.0
Average Operating Expenses per Train Mile	\$3.67	\$3.78
Average Length of Haul (Rev. Fr.) Miles	260.1	293.7
Average Passenger Journey Miles	62.3	58.2
Average Tons per Loaded Fr. Car	23.9	23.6
Fr. Receipt per Rev. Ton Mile	1.195¢	1.200¢
Passenger Receipt per Pass. per Mile	2.728¢	2.682¢
Ratio of Pay Roll to Operating Revenues	64.6%	62.6%
Ratio of Pay Roll to Operating Expenses	67.5%	62.4%
Ratio of Operating Expenses to Revenues	95.70%	100.35%

OPERATING REVENUES EXPENSES & STATISTICS

CANADIAN PACIFIC RY.

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

For the Month of July, 1923.

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$9,656,105.65	\$8,612,119.27
Passenger	3,835,516.13	3,700,149.41
Mail	299,357.50	310,400.98
Express	583,534.62	576,454.63
Other Freight Train	165.25	476.19
Other Passenger Train	456,847.48	455,556.13
Water Line	295,817.20	279,339.92
All Other	711,489.33	710,848.83
Total Railway Operating Revenues	\$15,838,833.16	\$14,645,345.39
<u>OPERATING EXPENSES</u>		
Maint. of Way & Structures	\$5,722,212.47	\$3,316,599.32
Maint. of Equipment	2,843,528.24	2,529,891.70
Traffic	629,521.11	648,306.63
Transportation	6,004,463.35	5,657,085.52
Misc. Operations	274,018.32	260,044.34
General	303,582.94	323,971.82
Trans. for Investment	-	-
Total Railway Operating Expenses	13,837,326.43	12,735,899.33
<u>OPERATING INCOME</u>		
Net Operating Revenues	\$2,001,506.73	\$1,909,446.06
Railway Tax Accruals	271,643.63	248,408.35
Uncollectable Revenues	-	-
Hire of Equipment	Cr. 324,000.65	Cr. 241,505.21
Joint Facilities Rents	Cr. 37,886.84	Cr. 34,582.93
Operating Income	Cr. 2,091,750.57	1,957,125.90
<u>OPERATING STATISTICS</u>		
Average Miles of Road Operated	13,919.9	13,877.2
No. of Tons Carried (Rev. Fr.)	2,502,246	2,121,181
No. of Tons Carried One Mile " "	822,392,439	680,369,209
No. of Tons Carried (All Fr.)	3,271,483	2,601,107
No. of Tons Carried One Mile " "	1,037,439,992	781,396,831
No. of Revenue Passengers Carried	1,607,510	1,583,926
No. of Rev. Pass. Carried One Mile	147,065,642	137,279,280
Freight Train Miles	1,809,608	1,506,945
Passenger Train Miles	1,957,309	1,878,140
Total Train Miles (Rev. & Non Rev.)	3,969,572	3,553,391
Freight Car Miles - Loaded	40,733,174	34,872,640
Freight Car Miles - Empty	20,261,357	16,230,796
Passenger Train Car Miles	15,277,631	14,109,282
Total Amount of Pay Roll	\$8,080,133.03	\$7,448,540.54
Number of Employees	68,766	63,579
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating Revenues	\$36.70	\$34.04
Operating Expenses	\$32.07	\$29.61
No. of Tons Moved One Mile (Rev. Fr.)	1.906	1.582
No. of Tons Moved One Mile (All Fr.)	2.404	1.816
No. of Rev. Passengers Carried One Mile	341	319
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$5.34	\$5.72
No. of Tons of Freight (Rev. Fr.)	454.5	451.5
No. of Tons of Freight (All Fr.)	573.3	512.5
Loaded Freight Cars	22.5	23.1
Empty Freight Cars	11.2	10.8
<u>AVERAGES PER PASS. TRAIN MILE</u>		
Passenger Train Revenues	\$3.64	\$3.68
Passengers Carried	75.1	73.1
Passenger Cars	7.8	7.5
Average Operating Expenses per train Mile	\$3.49	\$3.58
Average Length of Haul (Rev. Fr.) Miles	328.7	320.8
Average Passenger Journey Miles	91.5	86.7
Average Tons per Loaded Fr. Car	25.5	22.4
Fr. Receipt per Rev. Ton Mile	1,174¢	1,266¢
Passenger Receipt per Pass. Per Mile	2,608¢	2,695¢
Ratio of Pay Roll to Operating Revenues	51.0%	50.9%
Ratio of Pay Roll to Operating Expenses	58.4%	58.5%
Ratio of Operating Expenses to Revenues	87.36%	86.9%



1010553483

6

CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada and United States)

For the Month of July, 1923.

OPERATING REVENUES

	<u>1923</u>	<u>1922</u>
Canadian Lines	\$17,791,852.03	\$16,682,992.00
Duluth, Winnipeg & Pacific	175,178.52	166,318.79
Grand Trunk Western Lines	2,867,125.00	2,490,795.90
New England Lines	168,692.97	194,835.00
Total	\$21,002,848.52	\$19,534,941.69

OPERATING EXPENSES

Canadian Lines	\$17,026,109.11	\$16,740,773.39
Duluth, Winnipeg & Pacific	163,484.62	186,840.04
Grand Trunk Western Lines	2,003,315.69	1,655,766.44
New England Lines	337,710.49	228,557.39
Total	\$19,530,619.91	\$18,811,937.26

NET OPERATING REVENUES

Canadian Lines	\$765,742.92	Dr \$57,781.39
Duluth, Winnipeg & Pacific	11,693.90	Dr. 20,521.25
Grand Trunk Western Lines	863,809.31	835,029.46
New England Lines	Dr. 169,017.52	Dr. 33,722.39
Total	\$ 1,472,228.61	\$ 723,004.43

SUMMARY

For Seven Months - January - July

	<u>1923</u>	<u>1922</u>
<u>ALL RAILWAYS</u>		
Operating Revenues	\$246,152,380.16	\$225,275,186.60
Operating Expenses	228,821,611.04	212,944,418.57
Net Operating Revenues	17,330,769.12	12,330,768.03

CANADIAN NATIONAL RAILWAYS

Operating Revenues - Canadian Lines	\$115,317,922.84	\$104,936,572.60
United States Lines	22,463,598.47	17,169,003.21
Total	137,781,521.31	122,105,575.90
Operating Expenses - Canadian Lines	\$117,550,751.62	\$110,995,238.39
United States Lines	17,246,299.35	14,213,330.35
Total	134,797,060.97	125,208,568.64
Net Operating Revenue-Canadian Lines	Dr \$2,232,838.78	Dr. \$5,158,665.60
United States Lines	5,217,299.12	2,955,672.86
Total	2,984,460.34	Dr. 2,202,992.74

CANADIAN PACIFIC RAILWAYS

Operating Revenues	\$96,207,935.88	\$92,132,286.91
Operating Expenses	86,066,239.31	80,173,988.44
Net Operating Revenues	10,141,696.57	11,958,298.47