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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

OPERATING REVENUES EXPENSES & STATISTICS

of

RAILWAYS

With Annual Operating Revenues of \$500,000

For

JULY

1928

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Published by authority of the Hon. James Malcolm, M. P.,
Minister of Trade and Commerce.

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OTTAWA

1928

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH
OTTAWA

Dominion Statistician: R. H. Coats, B.A., F.S.S.(Hon.), 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, 1928

Freight traffic on the Canadian railways during July was heavier by far than for any previous July and gross operating revenues were also larger than ever before, exceeding those for July, 1927, by \$4,751,381, or 11.7 per cent. Operating expenses were heavier than last year by \$2,898,102, or 8.2 per cent, and the net operating revenue, amounting to \$7,145,715, was greater by \$1,853,278.

With a greater traffic density, freight trains averaged 44.8 gross tons more than in 1927 and the earnings per train mile increased by 31 cents.

For the period January-July gross revenues were larger by \$22,012,960, the net revenue increased by \$8,184,076 and operating income by \$7,171,756.

CANADIAN NATIONAL RAILWAYS showed an increase in freight traffic over July, 1927, of 13.3 per cent and in passenger traffic of one per cent. Gross revenues increased by \$2,452,582, or 14.4 per cent, and with operating expenses increasing only \$1,147,356, or 7.3 per cent, the net operating revenue was increased by \$1,305,226.

Freight train loading was heavier by 45.3 revenue tons and 96.1 gross tons and the earnings per train mile increased by 53 cents. Passenger train revenue was also heavier by 9 cents per train mile.

Although the lines in the United States showed an increase in gross revenues of \$239,899, operating expenses were heavier and the net revenue was increased by only \$2,911, making the increase for the system \$1,308,137.

For the seven months the United States lines show a smaller net revenue than in 1927 by \$50,656, but the Canadian lines more than overcame this and the system (exclusive of the Eastern Lines) showed an increase of \$5,288,605.

CANADIAN NATIONAL RAILWAYS, EASTERN LINES: Freight traffic was heavier than in 1927 by 14.1 per cent, but the freight revenues increased by only \$74,778, or 6.6 per cent, although the reductions in rates under the Maritime Freight Rates Act were in effect in July, 1927. Passenger revenues decreased by \$37,570 or 7.4 per cent, and the total gross revenue was greater by \$40,935, or 2 per cent. Operating expenses were heavier by \$164,966 and the operating deficit increased from \$711,717 in 1927 to \$835,749 in July, 1928.

The average receipt per revenue ton mile was .969 cents as against 1.159 cents on the Canadian National lines in Canada, which was a reduction of 16 per cent. Average passenger receipts were also lighter, being 2.279 cents per passenger mile compared with 2.701 cents on the Canadian National. The operating ratio was 140.85 per cent compared with 135.49 per cent in July, 1927, and with 86.81 per cent on the Canadian National in July, 1928.

For the first seven months in 1928 the operating income shows a debit of \$4,505,820 as against a debit in 1927 for the same period of \$3,099,195.

CANADIAN PACIFIC RAILWAY: Freight revenue was heavier than in 1927 by \$1,874,437, or 13.5 per cent, for an increase in freight traffic of 24.9 per cent. Passenger revenue was slightly lighter, but the total gross revenue increased by \$2,003,986, or 12.4 per cent. Operating expenses also increased, especially maintenance expenses, the total being heavier by \$1,436,101, or 11.2 per cent. Net operating revenue was larger by \$567,884 and the operating income by \$572,772. Freight trains carried 42.2 tons of revenue freight more than in July, 1927, and increased the earnings by 22 cents per train mile.

For the seven months gross revenues were larger than in 1927 by \$11,329,278, the net revenues increased by \$4,385,304 and the operating income by \$4,012,210.

27/9/28-E

OPERATING REVENUES, EXPENSES & STATISTICS
STEAM RAILWAYS OF CANADA
WITH ANNUAL OPERATING REVENUES OF \$700,000
For the Month of July, 1928

Subject to Revision

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$30,422,951.11	\$26,165,483.95
Passenger	8,552,122.97	8,495,016.57
Mail	637,307.69	621,563.67
Express	2,032,803.08	1,869,820.71
Other freight train	2,198.69	2,172.13
Other passenger train	963,697.82	946,325.18
Water line	353,926.90	311,964.54
All other	2,233,431.79	2,033,716.75
Total Railway Operating Revenues	45,198,450.05	40,447,062.56
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$10,446,087.79	\$ 9,401,798.11
Maintenance of equipment	8,136,698.55	7,374,747.16
Traffic	1,585,902.42	1,576,934.17
Transportation	16,307,817.86	15,250,832.18
Miscellaneous operations	625,937.30	594,988.63
General	1,074,161.18	1,048,800.99
Trans. for investment Cr.	123,870.59	93,469.35
Total Railway Operating Expenses	38,052,734.51	35,154,631.89
<u>OPERATING INCOME</u>		
Net operating revenue	\$ 7,145,715.54	\$ 5,292,436.67
Railway tax accruals	719,198.26	733,453.20
Uncollectable revenues	395.75	7,304.66
Hire of equipment	Dr. 279,943.15	Dr. 110,576.25
Joint facilities rents	Dr. 35,906.86	Dr. 28,450.89
Operating income	6,110,271.52	4,412,651.67
<u>OPERATING STATISTICS</u>		
Average miles of road operated	39,696.81	39,434.10
No. of tons carried (Rev. Fr.)	10,311,851	9,286,606
No. of tons carried one mile (Rev. Fr.)	2,595,645.134	2,185,779,668
No. of tons carried one mile (All Fr.)	3,090,769,068	2,618,276,602
Gross ton miles, exclusive of locomotive & tender	7,102,841,476	6,233,764,386
No. of revenue pass. carried	3,820,915	3,840,942
No. of revenue pass. carried one mile	320,898,571	319,774,849
#Freight train miles	5,239,065	4,755,509
#Passenger train miles	4,830,028	4,708,132
Total train miles (Rev. and Non Rev.)	10,770,859	10,042,037
Freight car miles - loaded	131,174,931	113,472,168
Freight car miles - empty	61,349,746	59,393,448
Passenger train car miles	37,258,846	36,279,971
Total amount of pay-roll	\$24,578,225.32	\$22,557,256.77
Number of employees	194,852	181,326
<u>DAILY AVERAGE PER MILE OF ROAD OPERATED</u>		
Operating Revenue	\$36.73	\$33.09
Operating Expenses	30.92	28.76
No. of tons moved one mile (Rev. Fr.)	2,109	1,788
No. of tons moved one mile (All Fr.)	2,512	2,142
No. of Rev. Pass. carried one mile	261	262
<u>AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight Revenue	\$ 5.31	\$ 5.50
No. of tons of freight (Rev. Fr.)	495.4	451.6
No. of tons of freight (All Fr.)	589.9	550.6
Gross ton miles	1355.7	1310.9
Loaded freight cars	25.0	23.1
Empty freight cars	11.7	12.5
<u>AVERAGE PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$ 2.52	\$ 2.53
Passengers carried	66.4	67.9
Passenger cars	7.7	7.7
Average operating expenses per train mile	\$ 3.53	\$ 3.50
Average length of haul (Rev. Fr.) miles	251.7	235.4
Average passenger journey miles	8.3	83.3
Average tons per loaded freight car mile	23.5	23.1
Average freight receipt per rev. ton mile	1.172¢	1.197¢
Average passenger receipt per passenger per mile	2.665¢	2.657¢
Ratio of pay roll to operating revenues	54.4%	55.8%
Ratio of operating expenses to revenues	84.19%	86.92%
# Contains a proportion of mixed train miles		

OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the month of July, 1923

	1923	1922
<u>OPERATING REVENUES</u>		
Freight	\$1,215,644.00	\$1,140,866.00
Passenger	468,731.00	506,301.00
Mail	65,650.00	64,555.00
Express	152,926.51	146,215.00
Other freight train	-	-
Other passenger train	66,953.69	54,883.46
Water line	-	-
All other	76,215.80	92,365.40
Total railway operating revenues	2,046,121.00	2,005,185.86
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$1,016,075.60	\$938,855.51
Maintenance of equipment	440,096.00	437,446.28
Traffic	70,816.14	77,233.40
Transportation	1,208,411.47	1,118,743.70
Miscellaneous operations	39,128.93	38,517.90
General	113,685.31	106,337.64
Trans. for investment	Cr. 6,343.42	Cr. 280.63
Total railway operating expenses	2,821,870.03	2,716,903.80
<u>OPERATING INCOME</u>		
Net operating revenue	Dr. \$835,749.03	Dr. \$711,717.94
Railway tax accruals	21,522.13	21,607.17
Uncollectable revenues	9.26	77.38
Hire of equipment	Dr. 29,145.78	Cr. 1,582.07
Joint facilities rents	Dr. 3,385.30	Dr. 3,038.40
Operating income	Dr. 889,811.50	Dr. 734,853.82
<u>OPERATING STATISTICS</u>		
Average miles of road operated	3,103.04	3,107.99
No. of tons carried (Rev. Fr.)	537,714	492,607
No. of tons carried one mile " "	125,430,876	109,911,409
No. of tons carried one mile (All Fr.)	138,179,805	121,312,805
Gross ton miles, excl. of locomotive & tender	322,424,687	284,587,696
No. of revenue pass. carried	343,460	362,833
No. of revenue passengers carried one mile	20,569,459	19,985,679
# Freight train miles	341,234	294,704
# Passenger train miles	361,737	346,632
Total train miles (Rev. & Non Rev.)	746,040	685,939
Freight car miles-loaded	6,381,254	5,643,122
Freight car miles-empty	2,247,075	1,005,222
Passenger train car miles	2,596,339	2,494,326
Total amount of pay roll	(Included in Canadian Lines)	
Number of employees	" " " "	" " " "
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$21.24	\$20.81
Operating expenses	\$29.91	\$28.20
No. of tons moved one mile (Rev. Fr.)	1,302	1,141
No. of tons moved one mile (All Fr.)	1,434	1,259
No. of revenue passengers carried one mile	213	207
<u># AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$3.56	\$3.87
No. of tons of freight (Rev. Fr.)	367.6	373.0
No. of tons of freight (All Fr.)	404.9	411.6
Gross ton miles	944.9	965.7
Loaded freight cars	18.7	19.1
Empty freight cars	6.6	3.4
<u># AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.09	\$2.23
Passengers carried	56.9	57.7
Passenger cars	7.2	7.2
Average operating expenses per train mile	\$3.86	\$3.96
Average length of haul (Rev. Fr.) Miles	233.3	223.1
Average passenger journey Miles	59.9	55.1
Average tons per loaded freight car mile	21.7	21.5
Av. freight receipt per rev. ton mile	.969¢	1.038¢
Av. passenger receipt per pass. per mile	2.279¢	2.533¢
Ratio of pay roll to operating revenues	(Included in Canadian Lines)	
Ratio of operating expenses to revenues	140.85%	135.49%
# Contains a proportion of mixed train miles.		

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For the month of July, 1928.

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$13,388,824.02	\$11,312,013.18
Passenger	3,347,122.51	3,223,833.43
Mail	203,366.85	193,327.18
Express	1,141,867.22	1,028,676.09
Other freight train	-	-
Other passenger train	324,789.23	324,254.97
Water line	-	-
All other	1,058,662.76	934,890.31
Total railway operating revenues	19,469,632.59	17,017,050.22
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$5,168,381.77	\$4,694,066.12
Maintenance of equipment	3,317,184.92	3,088,453.87
Traffic	542,422.57	534,453.33
Transportation	7,238,431.71	6,861,178.06
Miscellaneous operations	221,049.67	219,577.86
General	479,646.63	447,012.37
Trans. for investment	Cr. 114,923.62	Cr. 89,904.30
Total railway operating expenses	16,902,193.65	15,754,837.31
<u>OPERATING INCOME</u>		
Net operating revenue	\$2,567,438.94	\$1,262,212.91
Railway tax accruals	252,700.41	238,976.76
Uncollectable revenues	347.83	7,201.16
Hire of equipment	Dr. 71,892.71	Cr. 32,628.84
Joint facilities rents	Cr. 14,854.49	Cr. 26,750.57
Operating income	2,257,352.48	1,075,414.40
<u>OPERATING STATISTICS</u>		
Average miles of road operated	17,797.93	17,746.59
No. of tons carried (Rev.Fr.)	4,126,885	3,474,272
No. of tons carried one mile " "	1,155,040,940	976,388,213
No. of tons carried one mile (All Fr.)	1,377,418,291	1,145,009,944
Gross ton miles, excl. of locomotive & tender	3,149,105,862	2,715,840,162
No. of revenue passengers carried	1,605,692	1,466,896
No. of revenue pass. carried one mile	123,942,573	122,685,834
# Freight train miles	2,126,775	1,961,446
# Passenger train miles	1,918,050	1,887,263
Total train miles (Rev. & Non Rev.)	4,430,181	4,176,023
Freight car miles-loaded	59,947,254	49,352,476
Freight car miles-empty	26,932,652	26,588,851
Passenger train car miles	14,588,655	14,201,757
Total amount of pay roll (Including Eastern Lines)	\$13,249,929	\$12,357,881
Number of employees " " "	105,483	101,368
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$35.29	\$30.93
Operating expenses	\$30.63	\$28.64
No. of tons moved one mile (Rev.Fr.)	2,093	1,775
No. of tons moved one mile (All Fr.)	2,497	2,081
No. of rev. passengers carried one mile	225	223
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$6.30	\$5.77
No. of tons of freight (Rev.Fr.)	543.1	497.8
No. of tons of freight (All Fr.)	647.7	583.8
Gross ton miles	1480.7	1384.6
Loaded freight cars	27.2	25.2
Empty freight cars	12.7	13.6
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.62	\$2.53
Passengers carried	64.6	65.0
Passenger cars	7.6	7.5
Average operating expenses per train mile	\$3.82	\$3.77
Average length of haul (Rev.Fr.) Miles	279.9	281.0
Average passenger journey Miles	77.2	83.6
Average tons per loaded freight car mile	23.8	23.2
Av. freight receipt per revenue ton mile	1.159¢	1.159¢
Av. passenger receipt per passenger per mile	2.701¢	2.628¢
x Ratio of pay roll to operating revenues	61.6%	65.0%
Ratio of operating expenses to revenues	86.81%	92.58%
x Revenue of Eastern Lines included to determine ratio.		
# Contains a proportion of mixed train miles.		

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN PACIFIC RAILWAY

For the Month of July, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$11,996,104.74	\$10,121,616.99
Passenger	3,620,145.70	3,630,112.12
Mail	309,453.74	307,762.34
Express	544,678.69	525,261.97
Other freight train	1,324.96	470.24
Other passenger train	531,991.97	530,452.74
Water line	309,356.35	274,913.56
All other	909,400.55	828,376.15
Total railway operating revenues	18,223,457.20	16,219,471.11
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$3,150,479.86	\$2,728,373.59
Maintenance of equipment	3,464,285.02	2,974,129.48
Traffic	872,918.55	871,263.53
Transportation	6,164,492.25	5,669,700.05
Miscellaneous operations	304,837.21	278,935.01
General	308,630.39	307,140.24
Trans. for investment	-	-
Total railway operating expenses	14,265,643.28	12,829,541.90
<u>OPERATING INCOME</u>		
Net operating revenue	\$3,957,813.92	\$3,389,929.21
Railway tax accruals	318,724.02	346,779.74
Uncollectable revenues	-	-
Hire of equipment	Cr. 41,131.40	Cr. 82,707.91
Joint facilities rents	Cr. 19,337.25	Cr. 929.10
Operating income	3,699,558.55	3,126,786.48
<u>OPERATING STATISTICS</u>		
Average miles of road operated	14,295.0	14,073.0
No. of tons carried (Rev.Fr.)	2,710,419	2,455,344
No. of tons carried one mile " "	1,051,439,291	841,930,600
No. of tons carried one mile (All Fr.)	1,304,335,209	1,087,191,209
Gross ton miles, excl. of locomotive & tender	2,827,413,577	2,451,409,614
No. of revenue passengers carried	1,282,437	1,372,327
No. of rev. passengers carried one mile	138,617,563	138,951,116
# Freight Train miles	2,159,726	1,893,952
# Passenger Train miles	2,029,241	1,943,678
Total train miles (Rev. & Non Rev.)	4,403,997	3,987,697
Freight car miles-loaded	51,644,371	43,833,160
Freight car miles-empty	23,110,989	22,733,645
Passenger train car miles	15,976,232	15,567,167
Total amount of pay roll	\$9,322,147.20	\$8,270,214.41
Number of employees	74,007	65,078
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$41.12	\$37.18
Operating expenses	\$32.19	\$29.41
No. of tons moved one mile (Rev.Fr.)	2,373	1,930
No. of tons moved one mile (All Fr.)	2,943	2,492
No. of rev. passengers carried one mile	313	319
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.56	\$5.34
No. of tons of freight (Rev.Fr.)	486.8	444.6
No. of tons of freight (All Fr.)	603.9	574.0
Gross ton miles	1309.2	1294.3
Loaded freight cars	23.9	23.1
Empty freight cars	10.7	12.0
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.47	\$2.57
Passengers carried	68.3	71.5
Passenger cars	7.9	6.0
Average operating expenses per train mile	\$3.24	\$3.22
Average length of haul (Rev.Fr.) Miles	387.9	342.9
Average passenger journey Miles	108.1	101.3
Average tons per loaded freight car mile	25.3	24.8
Av. freight receipt per rev. ton mile	1.141¢	1.202¢
Av. passenger receipt per pass. per mile	2.612¢	2.613¢
Ratio of pay roll to operating revenues	51.2%	51.0%
Ratio of operating expenses to revenues	78.28%	79.10%

Contains a proportion of mixed train miles.

CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada and United States)

For the Month of July, 1928

OPERATING REVENUES

	1928	1927
Canadian Lines	\$19,489,632.53	\$17,017,050.22
Duluth, Winnipeg and Pacific Rly.	212,590.00	221,214.00
Grand Trunk Western Lines	3,385,406.00	3,155,750.00
New England Lines	224,076.41	205,310.49
Total	\$23,291,805.00	\$20,599,324.71

OPERATING EXPENSES

Canadian Lines	\$16,902,193.65	\$15,754,837.31
Duluth, Winnipeg and Pacific Rly.	208,708.05	177,579.93
Grand Trunk Western Lines	2,319,579.84	2,156,418.81
New England Lines	242,875.60	200,178.00
Total	\$19,673,357.14	\$18,289,014.05

NET OPERATING REVENUE

Canadian Lines	\$ 2,567,438.94	\$ 1,262,212.91
Duluth, Winnipeg and Pacific Rly.	3,981.95	43,634.07
Grand Trunk Western Lines	1,065,826.16	999,331.19
New England Lines	Dr. 18,799.19	5,132.49
Total	\$ 3,618,447.86	\$ 2,310,310.66

OPERATING INCOME

Canadian Lines	\$ 2,257,352.48	\$ 1,075,414.40
Duluth, Winnipeg and Pacific	Dr. 2,049.83	36,282.45
Grand Trunk Western Lines	612,204.90	555,785.03
New England Lines	Dr. 88,547.54	Dr. 67,075.18
Total	\$ 2,778,960.01	\$ 1,600,406.70

S U M M A R Y

For Seven Months ended July 31st.

ALL RAILWAYS

	1928	1927
Operating Revenues	\$290,145,928.48	\$268,132,965.61
Operating Expenses	245,152,626.04	231,323,738.63
Net Operating Revenues	44,993,302.44	36,809,226.98
Operating Income	38,696,256.31	31,524,500.82

CANADIAN NATIONAL RAILWAY

Operating Revenues - Canadian Lines	\$121,323,427.53	\$110,830,138.39
United States Lines	25,181,903.42	24,206,869.35
Total	\$146,505,331.00	\$135,037,007.74
Operating Expenses - Canadian Lines	\$104,549,756.94	\$ 99,395,729.02
United States Lines	18,466,750.94	17,941,060.71
Total	\$123,016,507.88	\$116,836,789.73
Net Operating Revenues - Canadian Lines	\$ 16,773,670.64	\$ 11,434,409.37
United States Lines	6,715,152.48	6,265,808.64
Total	\$ 23,488,823.12	\$ 17,700,218.01
Operating Income - Canadian Lines	\$ 15,372,305.51	\$ 10,404,079.48
United States Lines	3,194,553.51	3,281,228.64
Total	\$ 18,566,859.02	\$ 13,685,308.12

CANADIAN NATIONAL EASTERN LINES

Operating Revenues	\$ 14,670,239.00	\$ 15,047,725.91
Operating Expenses	18,828,729.52	17,915,732.44
Net Operating Revenues	Dr. 4,158,490.52	Dr. 2,865,006.53
Operating Income	Dr. 4,505,320.73	Dr. 3,099,195.39

CANADIAN PACIFIC RAILWAY

Operating Revenues	\$116,479,362.53	\$105,150,584.46
Operating Expenses	94,847,983.44	87,904,009.39
Net Operating Revenues	21,631,379.09	17,246,575.07
Operating Income	20,151,396.40	16,139,036.44

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