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CANADA

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

AUGUST

1928

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Published by authority of the Hon. James Malcolm, M. P.,

Minister of Trade and Commerce.

+ + +

OTTAWA

1928

DEPARTMENT OF TRADE AND COMMERCE
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 AUGUST, 1928

Canadian railways earned \$5,276,402 more than in August, 1927, and, with operating expenses increasing by only \$2,532,911, their net operating revenue was larger by \$2,743,491.

Freight traffic increased by 14.1 per cent and passenger traffic by 18.8 per cent. The passenger miles was larger than for any previous month during the past six years and the passenger revenue was exceeded only by that of August, 1923. Passenger trains carried an average of 82.8 passengers as against 73.0 passengers in August, 1927, but the average revenue per passenger mile was less by 9.6 per cent and the average revenue per train mile was only 5 cents greater. Freight trains earned 10 cents per mile more than last year from heavier loading, by 6.2 tons of revenue freight, and from a slight increase in the average receipt per ton mile.

For the eight months, January - August, gross revenues increased by \$27,289,365, operating expenses by \$16,361,798 and net operating revenues by \$10,927,567.

EASTERN LINES, CANADIAN NATIONAL RAILWAYS: Although the revenue ton miles showed an increase of 18.9 per cent, freight revenues increased by only \$30,579, or 2.7 per cent and passenger miles also increased by 11.2 per cent, but passenger revenues decreased by \$7,076, or 1.3 per cent. Total revenues were heavier by \$21,951. This increase, however, did not meet the increase in operating expenses and the operating deficit was greater by \$135,248.

Freight trains carried an average of 13.3 tons of revenue freight more than in August, 1927, but the lower average receipt per ton mile reduced the earnings per train mile by 41 cents or 10.5 per cent. Passenger trains also showed a reduction in earnings per train mile of 9 cents although average number of passengers increased from 62 to 66.3.

For January - August the net operating revenue showed a deficit of \$4,845,838 and the operating income a deficit of \$5,244,424, which were greater than in 1927 by \$1,427,732 and \$1,581,371 respectively.

CANADIAN NATIONAL RAILWAYS: Freight revenues were larger than for August, 1927, by \$2,003,373, or 17.1 per cent for an increase in freight traffic of 9.8 per cent and passenger revenues increased by \$447,855, or 13.7 per cent for an increase of 27.6 per cent in the passenger miles. Total revenues were larger by \$2,821,965, or 16.1 per cent and operating expenses increased by \$980,684, or 6.7 per cent, making an increase in the net revenue of \$1,841,280.

Freight trains showed an increase in earnings per train mile of 41 cents with an increase of only one ton of revenue freight. Passenger trains also increased their earnings by 16 cents with 14.8 more passengers per train.

The lines in the United States all showed increases in both gross revenues and net revenues, making the increases for the system \$3,193,074 in gross revenues and \$2,161,685 in net revenues.

For January - August the Canadian lines showed an increase in gross revenues of \$13,315,254 and in net operating revenues of \$7,180,541, and the system, (exclusive of the Eastern Lines) showed increases in gross and net revenues of \$14,661,397 and \$7,450,290 respectively.

CANADIAN PACIFIC RAILWAY: Freight traffic was by far the heaviest of any August, exceeding that of August, 1927, by 23.2 per cent. Freight revenues increased over 1927 by \$1,830,145, or 16.6 per cent and total revenues were heavier by \$2,320,266, or 13.3 per cent, operating expenses increased by \$1,354,277, or 10.1 per cent, the net revenue was larger by \$965,989, and the operating income increased by \$913,641.

Freight trains carried 16.1 tons of freight more than in August, 1927, but earned 10 cents per mile less. Passenger trains also showed a slight decrease in revenue per train mile although the average number of passengers increased by 8.8 per train.

For January - August the gross revenues were heavier than in 1927 by \$13,649,544, the net revenue increased by \$5,351,293 and the operating income by \$4,925,851.

OPERATING REVENUES, EXPENSES & STATISTICS
STEAM RAILWAYS OF CANADA
WITH ANNUAL OPERATING REVENUES OF \$500,000
For the month of August, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$31,958,807.48	\$27,936,014.83
Passenger	9,686,122.13	8,936,843.22
Mail	627,647.38	606,817.14
Express	2,058,022.32	2,030,433.93
Other freight train	2,180.36	2,164.14
Other passenger train	1,047,001.11	1,017,041.49
Water line	375,068.07	341,590.61
All other	2,447,882.36	2,055,423.07
Total railway operating revenues	48,202,731.21	42,926,328.43
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$9,382,986.00	\$8,702,017.41
Maintenance of equipment	7,993,562.91	7,308,365.09
Traffic	1,512,112.82	1,491,938.78
Transportation	16,760,779.04	15,537,925.49
Miscellaneous operations	650,298.46	598,444.21
General	1,026,894.56	1,048,083.64
Trans. for investment	197,185.51	90,237.53
Total railway operating expenses	37,129,448.28	34,596,537.09
<u>OPERATING INCOME</u>		
Net operating revenue	\$11,073,282.93	\$8,329,791.34
Railway tax accruals	742,739.89	726,488.51
Uncollectable revenues	1,077.06	1,444.52
Hire of equipment	Dr. 273,846.39	Dr. 37,320.48
Joint facilities rents	Dr. 58,440.13	Dr. 33,357.52
Operating income	9,997,179.46	7,531,180.31
<u>OPERATING STATISTICS</u>		
Average miles of road operated	39,695.01	39,434.10
No. of tons carried (Rev.Fr.)	10,866,376	9,858,233
No. of tons carried one mile " "	2,435,488,688	2,134,404,680
No. of tons carried one mile (All Fr.)	2,941,918,377	2,524,528,369
Gross ton miles, excl. of locomotive & tender	7,056,925,728	6,082,774,992
No. of revenue passengers carried	3,913,615	3,683,516
No. of revenue passengers carried one mile	419,806,884	353,391,209
#Freight train miles	5,465,099	4,857,128
#Passenger train miles	5,070,643	4,841,512
Total train miles (Rev. & Non Rev.)	11,123,705	10,247,690
Freight car miles-loaded	132,966,803	114,185,662
Freight car miles-empty	60,953,415	55,570,829
Passenger train car miles	40,609,848	37,946,268
Total amount of pay roll	\$24,850,761.35	\$23,123,665.83
Number of employees	190,894	181,284
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$39.17	\$35.11
Operating expenses	\$30.17	\$28.30
No. of tons moved one mile (Rev.Fr.)	1,979	1,746
No. of tons moved one mile (All Fr.)	2,391	2,065
No. of revenue passengers carried one mile	341	289
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$ 5.85	\$ 5.75
No. of tons of freight (Rev.Fr.)	445.6	439.4
No. of tons of freight (All Fr.)	538.3	519.8
Gross ton miles	1291.2	1252.3
Loaded freight cars	24.3	23.5
Empty freight cars	11.2	11.4
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.65	\$2.60
Passengers carried	82.8	73.0
Passenger cars	8.0	7.8
Average operating expenses per train mile	\$3.34	\$3.38
Average length of haul (Rev.Fr.) Miles	224.1	216.5
Average passenger journey Miles	107.3	95.9
Average tons per loaded freight car mile	22.1	22.1
Average freight receipt per revenue ton mile	1.312¢	1.309¢
Average passenger receipt per passenger per mile	2.307¢	2.529¢
Ratio of pay roll to operating revenues	51.6%	53.9%
Ratio of operating expenses to revenues	77.03%	80.60%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the month of August, 1928

	1928	1927
OPERATING REVENUES		
Freight	\$1,182,933.00	\$1,152,354.00
Passenger	544,721.00	551,797.00
Mail	66,000.00	64,785.00
Express	153,686.63	139,840.40
Other freight train	-	-
Other passenger train	58,094.71	67,596.98
Water line	-	-
All other	80,086.66	87,197.39
Total railway operating revenues	2,085,522.00	2,063,570.77
OPERATING EXPENSES		
Maintenance of way and structures	\$891,665.39	\$846,486.95
Maintenance of equipment	441,563.98	398,281.56
Traffic	70,544.17	73,954.80
Transportation	1,219,114.22	1,146,300.54
Miscellaneous operations	43,853.63	45,778.80
General	107,960.42	107,875.95
Trans. for investment	Cr. 1,831.69	Cr. 3,008.41
Total railway operating expenses	2,772,870.12	2,615,670.19
OPERATING INCOME		
Net operating revenue	Dr. \$687,348.12	Dr. 552,099.42
Railway tax accruals	21,543.33	21,446.63
Uncollectable revenues	8.80	296.47
Hire of equipment	Dr. 26,639.38	Cr. 12,828.01
Joint facilities rents	Dr. 3,064.56	Dr. 2,843.58
Operating Income	Dr. 738,604.19	Dr. 563,858.09
OPERATING STATISTICS		
Average miles of road operated	3,108.04	3,107.99
No. of tons carried (Rev.Fr.)	587,843	443,307
No. of tons carried one mile " "	128,971,813	108,486,592
No. of tons carried one mile (All Fr.)	144,949,012	120,618,173
Gross ton miles, excl. of locomotive & tender	332,444,456	278,831,222
No. of revenue passengers carried	307,829	306,117
No. of rev. passengers carried one mile	25,221,654	22,688,189
# Freight train miles	340,413	296,739
# Passenger train miles	380,641	365,471
Total train miles (Rev. & Non Rev.)	764,386	690,427
Freight car miles-loaded	6,513,335	5,536,829
Freight car miles-empty	2,232,104	1,814,435
Passenger train car miles	2,809,040	2,569,351
Total amount of pay roll (Included in Canadian Lines)		
Number of employees " " " "		
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating revenue	\$21.65	\$21.42
Operating expenses	\$28.78	\$27.15
No. of tons moved one mile (Rev.Fr.)	1,339	1,126
No. of tons moved one mile (All Fr.)	1,504	1,252
No. of rev. passengers carried one mile	262	235
#AVERAGES PER FREIGHT TRAIN MILE		
Freight revenue	\$3.47	\$3.88
No. of tons of freight (Rev.Fr.)	378.9	365.6
No. of tons of freight (All Fr.)	425.8	406.5
Gross ton miles	976.6	939.7
Loaded freight cars	19.1	18.7
Empty freight cars	6.6	6.1
#AVERAGES PER PASSENGER TRAIN MILE		
Passenger train revenues	\$2.16	\$2.25
Passengers carried	66.3	62.0
Passenger cars	7.4	7.0
Average operating expenses per train mile	\$3.63	\$3.79
Average length of haul (Rev.Fr.) Miles	219.4	244.7
Average passenger journey Miles	81.9	74.1
Average tons per loaded freight car mile	22.3	21.8
Average freight receipt per revenue ton mile	.917¢	1.062¢
Av. passenger receipt per passenger per mile	2.160¢	2.432¢
Ratio of pay roll to operating revenues (Included in Canadian Lines)		
Ratio of operating expenses to revenues	132.96%	126.75%

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICSCANADIAN NATIONAL RAILWAYS

For the Month of August, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$13,710,159.86	\$11,706,786.20
Passenger	3,716,343.39	3,268,487.79
Mail	210,187.54	194,470.02
Express	1,096,161.38	1,040,813.58
Other freight train	-	-
Other passenger train	341,490.07	312,031.89
Water line	-	-
All other	1,257,148.39	986,936.08
Total railway operating revenues	20,331,490.63	17,509,525.56
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$4,049,836.26	\$3,884,881.59
Maintenance of equipment	3,065,686.00	2,786,252.58
Traffic	548,941.64	507,360.95
Transportation	7,453,782.67	6,851,752.37
Miscellaneous operations	230,826.80	218,017.22
General	439,000.72	454,067.75
Trans. for investment	Cr. 189,811.57	Cr. 84,754.56
Total railway operating expenses	15,598,262.52	14,617,577.90
<u>OPERATING INCOME</u>		
Net operating revenue	\$4,733,228.11	\$2,891,947.66
Railway tax accruals	246,725.55	237,265.07
Uncollectable revenues	1,027.91	1,129.07
Hire of equipment	Dr. 61,465.94	Cr. 108,619.97
Joint facilities rents	Dr. 456.13	Cr. 15,597.95
Operating income	4,423,552.58	2,777,771.44
<u>OPERATING STATISTICS</u>		
Average miles of road operated	17,797.93	17,746.59
No. of tons carried (Rev.Fr.)	4,101,987	3,641,277
No. of tons carried one mile " "	1,014,492.675	923,722.150
No. of tons carried one mile (All Fr.)	1,250,877.009	1,085,871.430
Gross ton miles, excl. of locomotive & tender	3,019,108,186	2,636,342,676
No. of revenue passengers carried	1,659,511	1,396,410
No. of revenue pass. carried one mile	166,406.531	130,408,945
# Freight train miles	2,183,958	1,993,125
# Passenger train miles	2,023,676	1,934,126
Total train miles (Rev. & Non Rev.)	4,552,118	4,225,407
Freight car miles - Loaded	56,324,814	49,374,247
Freight car miles - Empty	26,958,260	24,380,827
Passenger train car miles	16,437,665	14,764,063
Total amount of pay roll (Including Eastern Lines)	\$ 13,461,374	\$ 12,571,359
Number of employees " " "	104,942	100,407
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$36.85	\$31.83
Operating expenses	\$28.27	\$26.57
No. of tons moved one mile (Rev.Fr.)	1,839	1,679
No. of tons moved one mile (All Fr.)	2,267	1,974
No. of rev. passengers carried one mile	302	237
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$6.28	\$5.87
No. of tons of freight (Rev.Fr.)	464.5	463.5
No. of tons of freight (All Fr.)	572.8	544.8
Gross ton miles	1382.4	1322.7
Loaded freight cars	25.8	24.8
Empty freight cars	12.3	12.2
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.65	\$2.49
Passengers carried	82.2	67.4
Passenger cars	8.1	7.6
Average operating expenses per train mile	\$3.43	\$3.46
Average length of haul (Rev.Fr.) Miles	247.3	253.7
Average passenger journey Miles	100.27	93.4
Average tons per loaded freight car mile	22.2	22.0
Average freight receipt per rev. ton mile	1.351¢	1.267¢
Av. passenger receipt per passenger per mile	2.233¢	2.506¢
Ratio of pay roll to operating revenues	60.0%	64.2%
Ratio of operating expenses to revenues	76.72%	83.48%
* 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 August, 1928

	1928	1927
<u>OPERATING REVENUES</u>		
Freight	\$12,826,517.86	\$10,996,372.10
Passenger	4,219,122.40	3,877,949.75
Mail	298,113.70	295,219.55
Express	569,517.14	586,441.29
Other freight train	1,506.48	1,357.13
Other passenger train	605,157.78	594,433.81
Water line	336,408.52	300,780.22
All other	910,576.33	794,099.88
Total railway operating revenues	19,766,920.21	17,446,653.73
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$3,307,415.56	\$2,852,939.89
Maintenance of equipment	3,581,024.41	3,236,621.26
Traffic	802,550.33	816,810.08
Transportation	6,400,749.46	5,859,854.13
Miscellaneous operations	310,806.02	281,642.17
General	299,959.73	300,360.78
Trans. for investment	Cr. -	-
Total railway operating expenses	14,702,505.51	13,348,228.31
<u>OPERATING INCOME</u>		
Net operating revenue	\$5,064,414.70	4,098,425.42
Railway tax accruals	327,829.58	325,734.61
Uncollectable revenues	-	-
Hire of equipment	Cr. 50,064.39	Cr. 76,429.30
Joint facilities rents	Dr. 10,860.23	Cr. 13,028.00
Operating income	4,775,789.28	3,862,148.11
<u>OPERATING STATISTICS</u>		
Average miles of road operated	14,293.2	14,073.0
No. of tons carried (Rev.Fr.)	2,902,319	2,571,031
No. of tons carried one mile " "	995,873,267	808,239,859
No. of tons carried one mile (All Fr.)	1,242,682,189	1,016,202,672
Gross ton miles, excl. of locomotive & tender	2,831,775,217	2,316,744,498
No. of revenue passengers carried	1,320,436	1,316,107
No. of rev. passengers carried one mile	187,928,482	158,108,561
# Freight train miles	2,289,324	1,929,283
# Passenger train miles	2,143,082	2,004,272
Total train miles (Rev. & Non Rev.)	4,580,986	4,097,802
Freight car miles-loaded	53,456,246	43,519,288
Freight car miles-empty	22,619,208	20,128,203
Passenger train car miles	17,032,101	16,407,587
Total amount of pay roll	\$9,337,679.88	\$8,572,494.12
Number of employees	70,727	66,145
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$44.61	\$39.99
Operating Expenses	\$33.18	\$30.60
No. of tons moved one mile (Rev.Fr.)	2,248	1,853
No. of tons moved one mile (All Fr.)	2,805	2,329
No. of rev. passengers carried one mile	424	362
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$5.60	\$5.70
No. of tons of freight (Rev.Fr.)	435.0	418.9
No. of tons of freight (All Fr.)	542.8	526.7
Gross ton miles	1236.9	1200.8
Loaded freight cars	23.4	22.6
Empty freight cars	9.9	10.4
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.66	\$2.67
Passengers carried	87.7	78.9
Passenger cars	7.9	8.2
Average operating expenses per train mile	\$3.21	\$3.26
Average length of haul (Rev.Fr.) Miles	343.1	314.4
Average passenger journey Miles	142.3	120.1
Average tons per loaded freight car mile	23.2	23.4
Av. freight receipt per rev. ton mile	1.288¢	1.361¢
Av. passenger receipt per passenger per mile	2.245¢	2.453¢
Ratio of pay roll to operating revenues	47.2%	49.1%
Ratio of operating expenses to revenues	74.38%	76.51%

Contains a proportion of mixed train miles.

CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada and United States)

For the month of August, 1928OPERATING REVENUES

	1928	1927
Canadian Lines	\$20,331,490.63	\$17,509,525.56
Duluth, Winnipeg and Pacific Ry.	242,168.00	216,111.00
Grand Trunk Western Lines	3,636,965.00	3,327,804.00
New England Lines	218,716.37	182,825.15
Total	24,429,340.00	21,236,265.71

OPERATING EXPENSES

Canadian Lines	\$15,598,262.52	\$14,617,577.90
Duluth, Winnipeg and Pacific Ry.	178,360.39	158,842.75
Grand Trunk Western Lines	2,355,639.63	2,314,132.05
New England Lines	212,764.23	223,085.36
Total	18,345,026.77	17,313,638.06

NET OPERATING REVENUE

Canadian Lines	\$4,733,228.11	\$2,891,947.66
Duluth, Winnipeg and Pacific Ry.	63,807.61	57,268.25
Grand Trunk Western Lines	1,281,325.37	1,013,671.95
New England Lines	5,952.14	Dr. 40,260.21
Total	6,084,313.23	3,922,627.65

OPERATING INCOME

Canadian Lines	\$4,423,552.58	\$2,777,771.44
Duluth, Winnipeg and Pacific Ry.	56,497.53	50,632.70
Grand Trunk Western Lines	751,594.60	650,855.24
New England Lines	Dr. 59,467.50	Dr. 107,021.02
Total	5,172,177.21	3,372,238.36

S U M M A R YFor Eight Months Ended August 31stALL RAILWAYS

	1928	1927
Operating Revenues	\$338,348,659.69	\$311,059,294.04
Operating Expenses	282,282,074.32	265,920,275.72
Net Operating Revenues	56,066,585.37	45,139,018.32
Operating Income	48,693,435.77	39,055,681.13

CANADIAN NATIONAL RAILWAY

Operating Revenues - Canadian Lines	\$141,654,918.21	\$128,339,663.95
United States Lines	29,279,752.79	27,933,609.50
Total	170,934,671.00	156,273,273.45
Operating Expenses - Canadian Lines	120,148,019.46	114,013,306.92
United States Lines	21,213,515.19	20,137,120.87
Total	141,361,534.65	134,150,427.79
Net Operating Revenues - Canadian Lines	21,506,898.75	14,326,357.03
United States Lines	8,066,237.60	7,796,483.63
Total	29,573,136.35	22,122,840.66
Operating Income - Canadian Lines	19,795,858.09	13,181,850.92
United States Lines	3,943,178.14	3,875,695.56
Total	23,739,036.23	17,057,546.48

CANADIAN NATIONAL RAILWAYS--EASTERN LINES

Operating Revenue	\$16,755,761.00	\$17,111,296.68
Operating Expenses	21,601,599.64	20,529,402.63
Net Operating Revenue	Dr. 4,845,838.64	Dr. 3,418,105.95
Operating Income	Dr. 5,244,424.92	Dr. 3,663,053.48

CANADIAN PACIFIC RAILWAY

Operating Revenue	\$136,246,782.74	122,597,238.19
Operating Expenses	109,550,488.95	101,252,237.70
Net Operating Revenue	26,696,293.79	21,345,000.49
Operating Income	24,927,085.68	20,001,234.55

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