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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

OCTOBER

1929

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

♦ ♦ ♦
OTTAWA

1930



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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 OCTOBER, 1929

Despite the very large decline in grain traffic railway revenues for October were higher than for any previous month of the year, but compared with the revenues for October 1928 the decrease was \$12,576,169, or 20.2 per cent, dropping from \$62,151,474 last year to \$49,575,305. Operating expenses were cut by \$5,096,055 but not enough to offset the decline in revenue and the net operating revenue was less by \$7,480,113.

The decrease in revenue ton miles was 35.7 per cent and passenger traffic also was lighter by 23.6 per cent. The number of employees was reduced by 16,121, or 8.6 per cent, and the pay roll by \$2,166,421, or 8.5 per cent. The small grain tonnage is reflected in the decreased average haul, 283.5 miles compared with 354.2 miles last year, the higher revenue per ton mile, 1.052 cents as against .881 cent last year, and the lighter load per car, 26.1 tons as against 29.3 tons last year.

For January - October, gross revenues were \$447,462,390 and net operating revenues were \$83,833,368, as against \$453,023,312 and \$93,319,993 respectively in 1928.

EASTERN LINES- CANADIAN NATIONAL RAILWAYS: The light movement of western grain did not seriously affect the Eastern Lines and gross revenues amounting to \$2,634,656 were larger than for October 1928 by \$192,081, or 7.9 per cent. The increase in operating expenses was only \$33,262, thus increasing the net operating revenue by \$158,818. The average revenue per freight train mile was \$4.86 as against \$4.31 last year, due to a higher average revenue per ton mile, viz., 1.217 cents as against 1.043 cents, the average train loading decreasing from 413.8 revenue tons in October 1928 to 399.2 revenue tons.

For the ten months the operating income debit was \$3,412,078 as against \$4,526,070 in 1928.

CANADIAN NATIONAL RAILWAYS: Gross revenues amounted to \$20,516,400 which was a decrease of \$5,627,792, or 21.5 per cent. Maintenance and transportation expenses were reduced, the total expenses were lighter by \$1,387,755, and net operating revenues were less by \$4,240,037. The decrease in revenue ton miles was 40.3 per cent and in passenger miles 20.9 per cent. The decrease in the employees (Eastern Lines included) was 4,079, or 4 per cent, and in the pay roll, \$420,961, or 3.1 per cent.

The lines in the United States also showed reduced gross and net operating revenues, the latter being less than in 1928 by \$258,761, the decrease for the system net revenues (Eastern Lines excluded) being \$4,498,798.

It is a very common mistake to suppose that the only way to get a good education is to go to a university. In fact, there are many other ways to get a good education. For example, you can learn a lot from books, from the internet, and from people who are experts in their field. The key is to be curious and to keep learning throughout your life.

Another common mistake is to think that a good education is only for people who are smart. In fact, anyone can get a good education if they are willing to put in the time and effort. It is not about being smart, it is about being motivated and determined.

Finally, it is a mistake to think that a good education is only for people who want to get a job. In fact, a good education can help you in many ways. It can help you understand the world better, it can help you make better decisions, and it can help you become a better person.

So, if you want to get a good education, don't wait until you go to university. Start now. Read books, learn from the internet, and talk to experts. The more you learn, the better you will be.

Remember, a good education is not just about getting a job. It is about becoming a better person and understanding the world better. So, keep learning and keep growing.

And finally, don't forget to have fun. Learning should be a fun and exciting experience. If you are having fun, you will learn more and faster. So, make learning a fun and exciting experience for yourself.

For January - October, the system gross revenues were \$220,687,731 as against \$226,472,565 and the operating income was \$32,022,814 as against \$38,737,158 in 1928.

CANADIAN PACIFIC RAILWAY: Gross revenues amounted to \$20,281,422 as against \$27,155,556 for October 1928, which was a decrease of \$6,874,133, or 25.3 per cent. Operating expenses were reduced by \$3,625,983 thus making the net operating revenues less than for October 1928 by \$3,248,149. The pay roll was cut by \$1,733,858, or 17.8 per cent, for a reduction in the number of employees of 11,425, or 16.3 per cent.

For January - October gross revenues amounted to \$179,994,895 as against \$184,927,777 in 1928 and the operating income amounted to \$35,441,625 as against \$41,231,568 in 1928.

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OPERATING REVENUES, EXPENSES AND STATISTICS
STEAM RAILWAYS OF CANADA
WITH ANNUAL OPERATING REVENUES OF \$500,000
For the Month of October, 1929

	1929	1928
OPERATING REVENUES		
Freight	\$37,879,477.72	\$49,319,120.47
Passenger	5,741,603.19	6,914,744.55
Mail	666,501.65	650,019.06
Express	1,988,801.53	1,988,564.50
Other freight train	4,758.94	1,660.00
Other passenger train	734,790.58	671,992.96
Water line	292,557.30	360,858.69
All other	2,266,814.70	2,244,514.52
Total railway operating revenues	49,575,305.61	62,151,474.75
OPERATING EXPENSES		
Maintenance of way and structures	\$7,024,309.77	\$8,520,064.56
Maintenance of equipment	7,583,205.41	8,707,659.40
Traffic	1,541,259.17	1,454,208.58
Transportation	17,003,796.75	19,718,468.86
Miscellaneous operations	487,088.70	463,124.53
General	1,125,527.12	1,054,742.09
Trans. for investment	Cr. 164,805.98	Cr. 221,831.72
Total railway operating expenses	34,600,380.94	39,696,436.30
OPERATING INCOME		
Net operating revenue	\$14,974,924.67	\$22,455,038.45
Railway tax accruals	757,897.66	1,266,464.59
Uncollectable revenues	1,544.95	1,407.99
Hire of equipment	Dr. 323,135.51	Dr. 498,332.36
Joint facilities rents	Dr. 15,401.70	Dr. 45,643.78
Operating income	13,876,944.85	20,643,189.73
OPERATING STATISTICS		
Average miles of road operated	41,052.10	40,271.92
No. of tons carried (Rev. Fr.)	12,704,416	15,806,215
No. of tons carried one mile " "	3,601,082,540	5,598,926,572
No. of tons carried one mile (All Fr.)	3,923,905,423	5,957,054,650
Gross ton miles, excl. of locomotive & tender	8,522,381,315	12,593,774,522
No. of revenue passengers carried	2,468,457	2,691,407
No. of revenue passengers carried one mile	205,764,896	269,499,067
# Freight train miles	5,901,200	8,186,145
# Passenger train miles	4,229,752	4,179,435
Total train miles (Rev. & Non Rev.)	10,375,826	12,721,829
Freight car miles-loaded	150,614,816	203,592,810
Freight car miles-empty	69,634,146	119,485,355
Passenger train car miles	31,101,974	32,157,016
Total amount of pay roll	\$23,244,482.91	\$25,410,903.98
Number of employees	171,757	187,878
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating revenue	\$38.96	\$49.78
Operating expenses	\$27.19	\$31.80
No. of tons moved one mile (Rev. Fr.)	2,830	4,485
No. of tons moved one mile (All Fr.)	3,083	4,772
No. of revenue tons carried one mile	162	216
# AVERAGES PER FREIGHT TRAIN MILE		
Freight revenue	\$6.42	\$6.02
No. of tons of freight (Rev. Fr.)	610.2	683.9
No. of tons of freight (All Fr.)	664.9	727.7
Gross ton miles	1444.2	1538.4
Loaded freight cars	25.5	24.9
Empty freight cars	11.8	14.6
# AVERAGES PER PASSENGER TRAIN MILE		
Passenger train revenues	\$2.16	\$2.45
Passengers carried	48.6	64.5
Passenger cars	7.4	7.7
Average operating expenses per train mile	\$3.33	\$3.12
Average length of haul (Rev. Fr.) Miles	283.5	354.2
Average passenger journey Miles	83.4	100.1
Average tons per loaded freight car mile	26.1	29.3
Average freight receipt per revenue ton mile	1.052¢	.881¢
Average passenger receipt per passenger per mile	2.790¢	2.566¢
Ratio of pay roll to operating revenues	46.9%	40.9%
Ratio of operating expenses to revenues	69.79%	63.87%

Contains a proportion of mixed train miles.

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OPERATING REVENUES, EXPENSES & STATISTICS

EASTERN LINES

CANADIAN NATIONAL RAILWAYS

For the Month of October, 1929

	1929	1928
OPERATING REVENUES		
Freight xx	\$1,914,929.00	\$1,734,691.84
Passenger	331,509.00	360,650.00
Mail	68,500.00	67,500.00
Express	177,332.66	149,821.88
Other freight train	-	-
Other passenger train	45,655.07	47,733.21
Water line	-	-
All other	96,730.27	82,177.91
Total railway operating revenues	2,634,656.00	2,442,574.84
OPERATING EXPENSES		
Maintenance of way and structures	\$550,606.24	\$620,063.75
Maintenance of equipment	451,296.63	400,658.39
Traffic	65,359.30	59,383.06
Transportation	1,351,938.22	1,310,641.16
Miscellaneous operations	32,023.58	29,308.26
General	121,182.16	113,227.32
Trans. for investment	Cr. 13,588.71	Cr. 7,726.74
Total railway operating expenses	2,558,817.42	2,525,555.20
OPERATING INCOME		
Net operating revenue	\$75,838.58	Dr. \$32,980.36
Railway tax accruals	23,727.12	21,533.42
Uncollectable revenues	Cr. 2.81	682.78
Hire of equipment	Dr. 31,928.42	Dr. 45,706.24
Joint facilities rents	Cr. 937.30	Cr. 9,550.07
Operating income	21,123.15	Dr. 141,352.73
OPERATING STATISTICS		
Average miles of road operated	3,333.28	3,108.04
No. of tons carried (Rev. Fr.)	705,891	575,584
No. of tons carried one mile " "	157,360,948	166,362,730
No. of tons carried one mile (All Fr.)	172,085,656	180,669,527
Gross ton miles, excl. of locomotive & tender	390,728,959	407,480,023
No. of revenue passengers carried	238,066	269,699
No. of revenue passengers carried one mile	14,747,580	15,632,831
# Freight train miles	394,176	402,024
# Passenger train miles	326,236	323,309
Total train miles (Rev. & Non Rev.)	740,180	752,231
Freight car miles--loaded	7,935,775	8,053,229
Freight car miles--empty	2,194,181	2,743,746
Passenger train car miles	2,203,009	2,122,791
Total amount of pay roll	Included in Canadian Lines	
Number of employees	" "	" "
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating revenue	\$25.50	\$25.35
Operating expenses	\$24.76	\$26.21
No. of tons moved one mile (Rev. Fr.)	1,523	1,727
No. of tons moved one mile (All Fr.)	1,665	1,875
No. of revenue passengers carried one mile	143	162
# AVERAGES PER FREIGHT TRAIN MILE		
Freight revenue	\$4.86	\$4.31
No. of tons of freight (Rev. Fr.)	399.2	413.8
No. of tons of freight (All Fr.)	436.6	449.4
Gross ton miles	991.3	1013.6
Loaded freight cars	20.1	20.0
Empty freight cars	5.6	6.8
# AVERAGES PER PASSENGER TRAIN MILE		
Passenger train revenues	\$1.91	\$1.94
Passengers carried	45.2	48.4
Passenger cars	6.8	6.6
Average operating expenses per train mile	\$3.46	\$3.36
Average length of haul (Rev. Fr.) Miles	222.9	289.0
Average passenger journey Miles	61.9	58.0
Average tons per loaded freight car mile	21.7	22.4
Average freight receipt per revenue ton mile	1.217¢	1.043¢
Average passenger receipt per passenger per mile	2.248¢	2.307¢
Ratio of pay roll to operating revenues	Included in Canadian Lines	
Ratio of operating expenses to revenues	97.12%	103.40%
xx - Including Acct. Maritime Freight Rates Act	\$251,518.00	\$244,553.84

Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS

CANADIAN NATIONAL RAILWAYS

For the Month of October, 1929

	1929	1928
<u>OPERATING REVENUES</u>		
Freight	\$15,652,709.08	\$20,941,839.23
Passenger	2,157,845.25	2,525,377.25
Mail	207,512.17	213,043.49
Express	1,032,884.41	1,104,198.14
Other freight train	1,520.00	Dr. 52.50
Other passenger train	272,077.17	222,851.32
Water line	-	-
All other	1,191,852.00	1,136,935.29
Total railway operating revenues	20,516,400.08	26,144,192.22
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$3,394,724.79	\$3,777,144.71
Maintenance of equipment	3,331,725.48	3,376,583.25
Traffic	504,609.55	473,940.93
Transportation	7,697,637.95	8,797,372.43
Miscellaneous operations	165,742.24	164,975.74
General	503,555.27	457,039.44
Trans. for investment	Cr. 147,861.12	Cr. 209,167.32
Total railway operating expenses	15,450,134.16	16,837,889.18
<u>OPERATING INCOME</u>		
Net operating revenue	\$5,066,265.92	\$9,306,303.04
Railway tax accruals	267,557.46	238,991.48
Uncollectable revenues	1,446.63	659.32
Hire of equipment	Dr. 64,171.93	Dr. 240,809.05
Joint facilities rents	Dr. 9,628.95	Cr. 10,873.66
Operating income	4,723,460.95	8,836,716.85
<u>OPERATING STATISTICS</u>		
Average miles of road operated	18,239.42	17,858.62
No. of tons carried (Rev.Fr.)	4,970,668	6,125,363
No. of tons carried one mile " "	1,441,734.529	2,415,384.425
No. of tons carried one mile (All Fr.)	1,598,276.489	2,565,802.233
Gross ton miles, excl. of locomotive & tender	3,566,486.027	5,485,649.213
No. of revenue passengers carried	1,034,546	1,079,205
No. of revenue passengers carried one mile	82,722.446	104,589.292
# Freight train miles	2,357,704	3,286,975
# Passenger train miles	1,781,149	1,718,087
Total train miles (Rev. & Non Rev.)	4,292,814	5,221,684
Freight car miles-loaded	63,654,345	88,167,857
Freight car miles-empty	29,065,424	53,424,786
Passenger train car miles	12,377,759	12,545,982
Total amount of pay roll (Including Eastern Lines)	\$13,252,401	\$13,673,362
Number of employees " " "	99,014	103,093
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$36.29	\$47.22
Operating expenses	\$27.32	\$30.41
No. of tons moved one mile (Rev.Fr.)	2,550	4,363
No. of tons moved one mile (All Fr.)	2,827	4,635
No. of rev. passengers carried one mile	146	189
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$6.64	\$6.37
No. of tons of freight (Rev.Fr.)	611.5	734.8
No. of tons of freight (All Fr.)	677.9	780.6
Gross ton miles	1512.7	1668.9
Loaded freight cars	27.0	26.8
Empty freight cars	12.3	16.3
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.06	\$2.37
Passengers carried	46.4	60.9
Passenger cars	6.9	7.3
Average operating expenses per train mile	\$3.60	\$3.22
Average length of haul (Rev.Fr.) Miles	290.0	394.3
Average passenger journey Miles	80.0	96.9
Average tons per loaded freight car mile	25.1	29.1
Av. freight receipt per rev. ton mile	1.086¢	.867¢
Av. passenger receipt per passenger per mile	2.609¢	2.415¢
xRatio of pay roll to operating revenues	57.2%	47.8%
Ratio of operating expenses to revenues	75.31%	64.40%

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 October, 1929.

	1929	1928
<u>OPERATING REVENUES</u>		
Freight	\$15,644,657.12	\$21,759,921.31
Passenger	2,419,337.28	3,121,441.45
Mail	322,930.62	317,712.77
Express	481,871.39	477,366.26
Other freight train	2,848.68	1,334.50
Other passenger train	379,158.15	364,670.25
Water line	262,766.15	293,850.03
All other	767,853.42	819,259.59
Total railway operating revenues	20,281,422.81	27,155,556.16
<u>OPERATING EXPENSES</u>		
Maintenance of way and structures	\$2,246,274.17	\$3,179,799.07
Maintenance of equipment	2,833,433.16	3,977,485.66
Traffic	877,695.23	832,269.64
Transportation	6,227,938.18	7,839,136.10
Miscellaneous operations	219,920.14	210,249.01
General	313,462.16	305,766.97
Trans. for investment	-	-
Total railway operating expenses	12,718,723.04	16,344,706.45
<u>OPERATING INCOME</u>		
Net operating revenue	\$7,562,699.77	\$10,810,849.71
Railway tax accruals	338,479.84	868,708.16
Uncollectable revenues	-	-
Hire of equipment	Cr. 62,073.62	Cr. 73,136.52
Joint facilities rents	Cr. 23,543.21	Dr. 8,998.93
Operating income	7,309,836.76	10,006,279.14
<u>OPERATING STATISTICS</u>		
Average miles of road operated	14,782.4	14,411.8
No. of tons carried (Rev.Fr.)	3,273,148	5,353,637
No. of tons carried one mile " "	1,660,912.696	2,661,390.623
No. of tons carried one mile (All Fr.)	1,803,592.260	2,845,018.534
Gross ton miles, excl. of locomotive & tender	3,647,812.580	5,748,313.164
No. of revenue passengers carried	817,208	935,983
No. of revenue passengers carried one mile	81,149.139	121,125.781
# Freight train miles	2,457,036	3,790,940
# Passenger train miles	1,612,142	1,647,315
Total train miles (Rev. & Non Rev.)	4,117,673	5,519,380
Freight car miles-loaded	61,498,384	88,886,441
Freight car miles-empty	29,369,456	54,265,016
Passenger train car miles	12,339,259	13,469,089
Total amount of pay roll	\$8,016,306.28	\$9,750,164.70
Number of employees	58,785	70,210
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>		
Operating revenue	\$44.26	\$60.78
Operating expenses	\$27.75	\$36.58
No. of tons moved one mile (Rev.Fr.)	3,624	5,957
No. of tons moved one mile (All Fr.)	3,936	6,368
No. of rev. passengers carried one mile	177	271
<u>#AVERAGES PER FREIGHT TRAIN MILE</u>		
Freight revenue	\$6.37	\$5.74
No. of tons of freight (Rev.Fr.)	676.0	702.0
No. of tons of freight (All Fr.)	734.1	750.5
Gross ton miles	1484.6	1516.3
Loaded freight cars	25.0	23.4
Empty freight cars	12.0	14.3
<u>#AVERAGES PER PASSENGER TRAIN MILE</u>		
Passenger train revenues	\$2.24	\$2.60
Passengers carried	50.3	73.5
Passenger cars	7.7	8.2
Average operating expenses per train mile	\$3.09	\$2.96
Average length of haul (Rev.Fr.) Miles	507.4	497.1
Average passenger journey Miles	99.3	129.4
Average tons per loaded freight car mile	29.3	32.0
Average freight receipt per revenue ton mile	.942¢	.818¢
Av. passenger receipt per passenger per mile	2.981¢	2.577¢
Ratio of pay roll to operating revenues	39.5%	35.9%
Ratio of operating expenses to revenues	62.71%	60.19%

Contains a proportion of mixed train miles.

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CANADIAN NATIONAL SYSTEM
(Steam Lines in Canada & United States)
For the Month of October, 1929

OPERATING REVENUES

	1929	1928
Canadian Lines	\$20,516,400.08	\$26,144,192.22
Duluth, Winnipeg & Pacific	202,252.00	197,192.00
Grand Trunk Western Lines	3,079,162.00	3,605,227.00
New England Lines	181,612.92	208,131.78
Total	<u>23,979,427.00</u>	<u>30,154,743.00</u>

OPERATING EXPENSES

Canadian Lines	\$15,450,134.16	\$16,837,889.18
Duluth, Winnipeg and Pacific	164,291.54	173,628.50
Grand Trunk Western Lines	2,301,567.24	2,594,404.43
New England Lines	238,918.75	225,507.06
Total	<u>18,154,911.69</u>	<u>19,831,429.17</u>

NET OPERATING REVENUE

Canadian Lines	\$5,066,265.92	\$9,306,303.04
Duluth, Winnipeg and Pacific	37,960.46	23,563.50
Grand Trunk Western Lines	777,594.76	1,010,822.57
New England Lines	Dr. 57,305.83	Dr. 17,375.28
Total	<u>5,824,515.31</u>	<u>10,323,313.83</u>

OPERATING INCOME

Canadian Lines	\$4,723,460.95	\$8,836,716.85
Duluth, Winnipeg and Pacific	20,118.95	11,943.26
Grand Trunk Western Lines	402,413.93	520,650.47
New England Lines	Dr. 123,553.09	Dr. 75,832.94
Total	<u>5,022,440.74</u>	<u>9,293,471.64</u>

S U M M A R Y

For Ten Months ended October 31st.

ALL RAILWAYS

	1929	1928
Operating Revenues	\$447,462,390.46	\$453,023,312.33
Operating Expenses	363,629,021.94	359,703,318.36
Net Operating Revenues	83,833,368.52	93,319,993.97
Operating Income	72,837,578.44	83,176,152.03

CANADIAN NATIONAL RAILWAYS

Operating Revenues - Canadian Lines	\$183,350,703.66	\$189,216,258.41
United States Lines	37,337,027.34	37,256,306.59
Total	<u>220,687,731.00</u>	<u>226,472,565.00</u>
Operating Expenses - Canadian Lines	153,794,258.97	153,141,102.23
United States Lines	26,741,767.13	26,921,351.80
Total	<u>180,536,026.10</u>	<u>180,062,454.03</u>
Net Operating Revenue - Canadian Lines	29,556,444.69	36,075,156.18
United States Lines	10,595,260.21	10,334,954.79
Total	<u>40,151,704.90</u>	<u>46,410,110.97</u>
Operating Income - Canadian Lines	26,479,811.43	33,633,065.19
United States Lines	5,543,002.66	5,104,093.74
Total	<u>32,022,814.09</u>	<u>38,737,158.93</u>

CANADIAN NATIONAL RAILWAYS- EASTERN LINES

Operating Revenues	\$25,480,370.00	\$22,698,406.98
Operating Expenses	28,328,369.64	26,722,071.37
Net Operating Revenues	Dr. 2,847,999.64	Dr. 4,023,664.39
Operating Income	Dr. 3,412,078.31	Dr. 4,526,070.68

CANADIAN PACIFIC RAILWAY

Operating Revenues	\$179,994,895.05	\$184,927,777.83
Operating Expenses	141,885,055.06	140,928,607.91
Net Operating Revenue	38,109,839.99	43,999,169.92
Operating Income	35,441,625.99	41,231,568.80

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