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

JANUARY

1931

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1931

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION AND PUBLIC UTILITIES 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 JANUARY, 1931

Gross earnings of Canadian railways, amounting to $28,140,989, were the smallest earned during January since 1920, the first year covered by these reports. The operating expenses were also the lowest for eleven years and the passenger traffic, as measured by passenger miles, was only 79 per cent of the 1921 traffic and only 68 per cent of the 1920 traffic, which, however, were during the peak of passenger traffic.

Compared with 1930, gross revenues decreased by $5,719,852, or 16.9 per cent, operating expenses were reduced by $4,156,429, and net operating revenues by $1,563,422. Freight traffic decreased by 8.8 per cent and the pay-roll decreased by $1,695,305, or 8.1 per cent, for a decrease in the average number of employees of 5,579, or 3.6 per cent.

EASTERN LINES - CANADIAN NATIONAL RAILWAYS: With freight traffic lighter than in 1930 by 12.7 per cent and passenger traffic lighter by 13.7 per cent, gross revenues declined $288,033, or 13.2 per cent. Operating expenses were reduced by $157,154 and the operating deficit was increased by $130,878, or to $708,092.

CANADIAN NATIONAL RAILWAYS: The Canadian lines showed a debit net operating revenue for the first time in over five years. Gross revenues, amounting to $11,202,901, were $2,835,903, or 20.2 per cent, less than in 1930 and operating expenses were reduced by only $1,873,284, or 13.6 per cent, causing a reduction in net operating revenues of $962,619. Freight traffic was lighter by 14.1 per cent and passenger traffic decreased by 22.6 per cent. The total pay-roll was less by $1,085,147, or 9.3 per cent, for a decrease in the number of employees of 4,421, or 5.1 per cent. Despite the light traffic, the loading of freight trains was heavier than a year ago by 130.6 gross tons, but passenger trains, although hauling the same number of cars, carried 8.4 less passengers per train mile and the earnings were reduced by 30 cents per train mile.

The lines in the United States also showed large decreases in gross and net revenues, the net revenue for the system (exclusive of Eastern Lines) being a debit of $511,928, as against a credit of $818,609 for January, 1930.

CANADIAN PACIFIC RAILWAY: The Canadian Pacific Railway owns all the stock and funded debt of the Kettle Valley Railway and, commencing with January, 1931, has included the accounts and statistics of the Kettle Valley Railway with those of the Canadian Pacific. Comparable data are also shown for January, 1930, but this change destroys comparisons with previous years.

Compared with January, 1930, gross revenues showed a decrease of $1,500,915, or 11.6 per cent, but, with a reduction in operating expenses of $1,668,196, the net operating revenue was increased by $167,280. Freight traffic showed an increase of 2.7 per cent, but passenger traffic was lighter by 26 per cent, the average number of passengers per train declining from 47.3 in 1930 to 35.1, or by 26 per cent, and the revenue per passenger train mile decreasing by 38 cents, or 18.4 per cent.

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Chief, Transportation & Public Utilities Branch, [illegible], Ottawa, K.1A.0G.

TRANSIT REVENUES, EXPENSES & STATISTICS

[illegible]

[illegible] 25,000

[illegible]

[illegible] Canadian railways [illegible] 1,[illegible], [illegible] the [illegible] year [illegible] in [illegible]. The [illegible] operations [illegible] lowest [illegible] since [illegible] passenger traffic, in [illegible] passenger miles, was only [illegible] cent [illegible] freight traffic and only [illegible] per cent [illegible] 1920 traffic, which, however, [illegible] the peak of passenger traffic.

Compared with 1969, gross revenues decreased by $[illegible], or [illegible] per cent, operating [illegible] were reduced by $[illegible] and net operating revenues by $[illegible]. Freight traffic decreased by [illegible] per cent and the ton mile decreased by $[illegible], or [illegible] per cent, for a decrease in the average number of employees of [illegible], or [illegible] per cent.

[illegible]: With freight traffic [illegible] than in [illegible] per cent and passenger traffic lighter by [illegible] per cent, gross revenues [illegible] $[illegible] per cent. Operating expenses were reduced by $[illegible] and the operating deficit was increased by $[illegible], or $[illegible].

[illegible]: Lines showed a [illegible] net operating [illegible] time in [illegible] years. Gross revenues amounted [illegible] $[illegible], or [illegible] per cent. Less than in 1970 and [illegible] amounted by only $[illegible], or [illegible] per cent, [illegible] $[illegible]. Freight traffic was [illegible] per cent [illegible] passenger traffic increased by [illegible] per cent. The [illegible] per cent, for a [illegible] in the [illegible] freight traffic, the [illegible] traffic was [illegible] by a power [illegible] by [illegible]. [illegible] passenger [illegible] operations [illegible] of cars. Service on [illegible] lines [illegible] and the earnings were reduced by 30 cents per train mile.

The Lines in the United States also showed large decreases in gross and net revenues, the net [illegible] the years (excluding of Canadian Lines) being a deficit of $[illegible], [illegible] a consolidated deficit of $[illegible] for January, 1970.

CANADIAN PACIFIC: The Canadian Pacific Railwaysons [illegible] the [illegible] Pacific and Pacific Yukon Lines, commencing with January, [illegible]. The [illegible] and [illegible] in the Kettle Valley Railway with [illegible] of the Canadian Pacific. Unprofitable [illegible] also ceased for January, 1970, but this [illegible] comparisons with previous years.

Compared with January, [illegible], gross revenues showed a decrease of [illegible] per cent [illegible] while [illegible] in operating expenses of $[illegible], the net [illegible] $[illegible]. Freight traffic showed an increase of [illegible] per cent [illegible] passenger traffic was [illegible] per cent. The average number of [illegible] per [illegible] in 1970 to [illegible] per cent. [illegible] decreasing by [illegible] per cent.

Subject to revision

OPERATING REVENUES, EXPENSES & STATISTICS
STEAM RAILWAYS OF CANADA
WITH ANNUAL OPERATING REVENUES OF $500,000
FOR THE MONTH OF JANUARY, 1931

	1931	1930
OPERATING REVENUES-		
Freight	$19,678,903.84	$23,582,251.39
Passenger	4,399,784.65	5,654,309.12
Mail	638,282.82	646,954.33
Express	1,311,446.23	1,511,231.35
Other freight train	2,745.81	4,742.96
Other passenger train	465,930.60	591,377.89
Water line	16,697.18	45,222.50
All other	1,627,198.30	1,824,752.42
Total railway operating revenues	28,140,989.43	33,860,841.96
OPERATING EXPENSES		
Maintenance of way and structures	$4,471,647.62	$4,778,821.59
Maintenance of equipment	6,227,741.59	7,837,368.90
Traffic	1,653,968.48	1,623,078.59
Transportation	14,027,948.78	16,188,276.10
Miscellaneous operations	373,650.76	438,438.24
General	1,132,946.90	1,063,318.36
Trans. for investment	Cr. 170,648.18	Cr. 55,616.14
Total railway operating expenses	27,717,255.95	31,873,685.64
OPERATING INCOME		
Net operating revenue	$423,733.48	$1,987,156.32
Railway tax accruals	710,753.12	753,023.15
Uncollectable revenues	4,498.30	11,945.38
Hire of equipment	Dr. 58,235.12	Dr. 221,389.90
Joint facilities rents	Dr. 117,767.74	Dr. 72,442.71
Operating income	Dr. 467,520.80	928,355.18
OPERATING STATISTICS		
Average miles of road operated	41,888.88	41,204.65
No. of tons carried (Rev.Fr.)	7,125,070	9,330,415
No. of tons carried one mile " "	2,016,388,125	2,210,241,635
No. of tons carried one mile (All Fr.)	2,223,673,540	2,446,955,187
Gross ton miles, excl. of locomotive & tender	5,322,554,604	5,733,509,562
No. of revenue passengers carried	2,663,587	3,385,539
No. of revenue passengers carried one mile	151,894,367	196,621,351
# Freight train miles	4,128,392	4,891,135
# Passenger train miles	3,955,065	4,104,019
Total train miles (Rev. & Non Rev.)	8,235,168	9,240,067
Freight car miles-loaded	90,411,208	103,609,991
Freight car miles-empty	39,395,058	45,104,916
Passenger train car miles	27,076,030	28,596,419
Total amount of pay roll	$19,233,828.63	$20,929,133.73
Number of employees	148,098	153,677
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating revenue	$21.67	$26.51
Operating expenses	$21.34	$24.95
No. of tons moved one mile (Rev.Fr.)	1,553	1,730
No. of tons moved one mile (All Fr.)	1,712	1,916
No. of rev. passengers carried one mile	117	154
#AVERAGES PER FREIGHT TRAIN MILE		
Freight revenue	$4.77	$4.82
No. of tons of freight (Rev.Fr.)	488.4	451.9
No. of tons of freight (All Fr.)	538.6	500.3
Gross ton miles	1289.3	1172.2
Loaded freight cars	21.9	21.2
Empty freight cars	9.5	9.2
#AVERAGES PER PASSENGER TRAIN MILE		
Passenger train revenues	$1.72	$2.05
Passengers carried	38.4	47.9
Passenger cars	6.8	7.0
Average operating expenses per train mile	$3.37	$3.45
Average length of haul (Rev.Fr.) Miles	283.0	236.9
Average passenger journey Miles	57.0	58.1
Average tons per loaded freight car mile	24.6	23.6
Average freight receipt per revenue ton mile	.976¢	1.067¢
Average passenger receipt per passenger per mile	2.897¢	2.876¢
Ratio of pay roll to operating revenues	68.3%	61.8%
Ratio of operating expenses to revenues	98.49%	94.13%

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS
EASTERN LINES
CANADIAN NATIONAL RAILWAYS
FOR THE MONTH OF JANUARY, 1931

		1931		1930
OPERATING REVENUES				
Freight xx		$1,291,037.00		$1,500,332.00
Passenger		308,988.00		354,254.00
Mail		66,550.00		66,500.00
Express		109,500.00		115,700.00
Other freight train		--		--
Other passenger train		34,000.14		42,937.67
Water line		--		--
All other		85,999.86		104,384.33
Total railway operating revenues		1,896,075.00		2,184,108.00
OPERATING EXPENSES				
Maintenance of way and structures		$446,315.02		$410,479.02
Maintenance of equipment		531,025.83		626,718.34
Traffic		76,800.20		73,001.91
Transportation		1,381,199.74		1,502,494.94
Miscellaneous operations		28,467.70		33,124.53
General		142,660.62		116,245.93
Trans. for investment	Cr.	2,302.10	Cr.	743.31
Total railway operating expenses		2,604,167.01		2,761,321.36
OPERATING INCOME				
Net operating revenue	Dr.	$708,092.01	Dr.	$577,213.36
Railway tax accruals		24,829.84		25,352.83
Uncollectable revenues		27.56		25.03
Hire of equipment	Dr.	56,984.89	Dr.	49,373.98
Joint facilities rents	Cr.	345.71	Cr.	1,233.60
Operating income	Dr.	789,588.59	Dr.	650,731.60
OPERATING STATISTICS				
Average miles of road operated		3,342.39		3,332.54
No. of tons carried (Rev.Fr.)		480,114		584,561
No. of tons carried one mile " "		161,491,618		185,073,446
No. of tons carried one mile (All Fr.)		172,792,993		197,455,908
Gross ton miles, excl. of locomotive & tender		376,558,372		443,477,201
No. of revenue passengers carried		320,214		360,581
No. of revenue passengers carried one mile		12,586,689		14,579,288
# Freight train miles		371,613		440,542
# Passenger train miles		330,841		333,645
Total train miles (Rev. & Non Rev.)		738,612		799,396
Freight car miles- loaded		7,130,460		8,238,285
Freight car miles- empty		1,931,255		2,724,242
Passenger train car miles		2,079,024		2,235,738
Total amount of pay roll		(Included in Canadian Lines)		
Number of employees		" " "		"
DAILY AVERAGES PER MILE OF ROAD OPERATED				
Operating revenue		$ 18.30		$ 21.14
Operating expenses		$ 25.13		$ 26.73
No. of tons moved one mile (Rev.Fr.)		1,559		1,791
No. of tons moved one mile (All Fr.)		1,668		1,911
No. of rev. passengers carried one mile		121		141
#AVERAGES PER FREIGHT TRAIN MILE				
Freight revenue		$3.47		$3.41
No. of tons of freight (Rev.Fr.)		434.6		420.1
No. of tons of freight (All Fr.)		465.0		448.2
Gross ton miles		1013.3		1006.7
Loaded freight cars		19.2		18.7
Empty freight cars		5.2		6.2
#AVERAGES PER PASSENGER TRAIN MILE				
Passenger train revenues		$1.57		$1.74
Passengers carried		38.0		43.7
Passenger cars		6.3		6.7
Average operating expenses per train mile		$3.53		$3.45
Average length of haul (Rev.Fr.) Miles		336.4		316.6
Average passenger journey Miles		39.3		40.4
Average tons per loaded freight car mile		24.2		24.0
Average freight receipt per revenue ton mile		.799¢		.811¢
Average passenger receipt per passenger per mile		2.455¢		2.430¢
Ratio of operating expenses to revenues		137.35%		126.43%
xx - Including Acct. Maritime Freight Rates Act		$145,000.00		$138,950.00

- Contains a proportion of mixed train miles.

Subject to Revision

OPERATING REVENUES, EXPENSES & STATISTICS
CANADIAN NATIONAL RAILWAYS
FOR THE MONTH OF JANUARY, 1931

		1931		1930
OPERATING REVENUES				
Freight		$7,748,846.00		$9,751,997.57
Passenger		1,688,749.00		2,191,871.73
Mail		205,800.00		209,537.65
Express		653,856.00		793,838.18
Other freight train		533.21		--
Other passenger train		166,450.39		203,535.32
Water line		--		--
All other		738,666.40		888,024.29
Total railway operating revenues		11,202,901.00		14,038,804.74
OPERATING EXPENSES				
Maintenance of way and structures		$2,027,997.82		$2,094,966.80
Maintenance of equipment		2,844,167.41		3,414,089.02
Traffic		530,273.25		540,446.71
Transportation		6,042,157.24		7,221,048.23
Miscellaneous operations		117,356.85		142,374.89
General		497,937.81		436,277.29
Trans. for investment	Cr.	131,472.71	Cr.	47,501.22
Total railway operating expenses		11,928,417.67		13,801,701.72
OPERATING INCOME				
Net operating revenue	Dr.	$725,516.67		$237,103.02
Railway tax accruals		284,372.78		282,685.42
Uncollectable revenues		4,466.66		11,913.35
Hire of equipment	Cr.	174,317.22	Cr.	6,971.02
Joint facilities rents	Cr.	5,248.79	Dr.	2,548.12
Operating income	Dr.	834,790.10	Dr.	53,072.85
OPERATING STATISTICS				
Average miles of road operated		18,598.79		18,363.41
No. of tons carried (Rev.Fr.)		2,520,687		3,354,727
No. of tons carried one mile " "		786,423,159		915,284,425
No. of tons carried one mile (All Fr.)		883,159,697		1,036,982,810
Gross ton miles, excl. of locomotive & tender		2,022,362,481		2,337,546,773
No. of revenue passengers carried		1,090,993		1,388,956
No. of revenue passengers carried one mile		60,747,369		78,524,700
# Freight train miles		1,493,257		1,910,181
# Passenger train miles		1,546,529		1,646,523
Total train miles (Rev. & Non Rev.)		3,100,820		3,688,629
Freight car miles- loaded		36,460,867		42,832,356
Freight car miles- empty		15,909,914		18,007,362
Passenger train car miles		10,287,568		10,982,232
Total amount of pay roll (Including Eastern Lines)		$10,607,835		$11,692,982
Number of employees " " "		81,912		86,333
DAILY AVERAGES PER MILE OF ROAD OPERATED				
Operating revenue		$19.43		$24.66
Operating expenses		$20.69		$24.24
No. of tons moved one mile (Rev.Fr.)		1,364		1,608
No. of tons moved one mile (All Fr.)		1,532		1,822
No. of rev. passengers carried one mile		105		138
#AVERAGES PER FREIGHT TRAIN MILE				
Freight revenue		$5.19		$5.11
No. of tons of freight (Rev.Fr.)		526.6		479.2
No. of tons of freight (All Fr.)		591.4		542.9
Gross ton miles		1354.3		1223.7
Loaded freight cars		24.4		22.4
Empty freight cars		10.7		9.4
#AVERAGES PER PASSENGER TRAIN MILE				
Passenger train revenues		$ 1.76		$ 2.06
Passengers carried		39.3		47.7
Passenger cars		6.7		6.7
Average operating expenses per train mile		$ 3.85		$ 3.74
Average length of haul (Rev. Fr.) Miles		312.0		272.8
Average passenger journey Miles		55.7		56.5
Average tons per loaded freight car mile		24.2		24.2
Average freight receipt per revenue ton mile		.985¢		1.065¢
Average passenger receipt per passenger per mile		2.780¢		2.791¢
xRatio of pay roll to operating revenues		81.0%		72.1%
Ratio of operating expenses to revenues		106.48%		98.31%

x - Revenue of eastern Lines included to determine ratio.

- Contains a proportion of mixed train miles.

OPERATING REVENUES, EXPENSES & STATISTICS
CANADIAN PACIFIC RAILWAY (x)
FOR THE MONTH OF JANUARY, 1931

	1931	1930
OPERATING REVENUES		
Freight	$7,996,462.09	$8,850,091.89
Passenger	1,733,328.21	2,272,460.53
Mail	307,676.73	314,885.67
Express	443,628.11	453,061.04
Other freight train	2,212.60	4,612.90
Other passenger train	248,384.63	320,226.78
Water line	16,697.18	45,222.50
All other	662,710.46	651,454.66
Total railway operating revenues	11,411,100.01	12,912,015.97
OPERATING EXPENSES		
Maintenance of way and structures	$1,523,828.66	$1,734,385.09
Maintenance of equipment	2,160,399.89	2,976,153.49
Traffic	952,222.08	906,519.01
Transportation	5,128,212.93	5,757,636.87
Miscellaneous operations	169,872.68	202,172.07
General	321,914.09	325,349.30
Trans. for investment	Cr. 29,671.72	Cr. 7,241.00
Total railway operating expenses	10,226,778.61	11,894,974.83
OPERATING INCOME		
Net operating revenue	$1,184,321.40	$1,017,041.14
Railway tax accruals	328,094.78	334,693.12
Uncollectable revenues	--	--
Hire of equipment	Cr. 69,321.09	Cr. 105,537.30
Joint facilities rents	Dr. 61,538.91	Cr. 944.73
Operating income	864,008.80	788,830.05
OPERATING STATISTICS		
Average miles of road operated	15,544.9	15,216.7
No. of tons carried (Rev.Fr.)	2,073,675	2,499,967
No. of tons carried one mile " "	857,120,750	829,984,580
No. of tons carried one mile (All Fr.)	950,679,141	925,500,787
Gross ton miles, excl. of locomotive & tender	2,258,693,580	2,134,445,277
No. of revenue passengers carried	878,976	1,177,320
No. of revenue passengers carried one mile	57,029,353	77,117,115
# Freight train miles	1,731,789	1,897,686
# Passenger train miles	1,623,521	1,629,432
Total train miles (Rev. & Non Rev.)	3,398,258	3,603,205
Freight car miles-loaded	34,995,682	37,894,178
Freight car miles-empty	14,243,783	15,609,890
Passenger train car miles	11,246,292	11,610,400
Total amount of pay roll	$7,127,955.75	$7,558,601.31
Number of employees	55,629	55,668
DAILY AVERAGES PER MILE OF ROAD OPERATED		
Operating revenue	$23.68	$27.37
Operating expenses	$21.22	$25.22
No. of tons moved one mile (Rev.Fr.)	1,779	1,759
No. of tons moved one mile (All Fr.)	1,973	1,962
No. of rev. passengers carried one mile	118	163
# AVERAGES PER FREIGHT TRAIN MILE		
Freight revenue	$4.62	$4.66
No. of tons of freight (Rev.Fr.)	494.9	437.4
No. of tons of freight (All Fr.)	549.0	487.7
Gross ton miles	1304.3	1124.8
Loaded freight cars	20.2	20.0
Empty freight cars	8.2	8.2
# AVERAGES PER PASSENGER TRAIN MILE		
Passenger train revenues	$1.68	$2.06
Passengers carried	35.1	47.3
Passenger cars	6.9	7.1
Average operating expenses per train mile	$3.01	$3.30
Average length of haul (Rev.Fr.) Miles	413.3	332.0
Average passenger journey Miles	64.9	65.5
Average tons per loaded freight car mile	27.2	24.4
Average freight receipt per revenue ton mile	.933¢	1.066¢
Average passenger receipt per passenger per mile	3.039¢	2.947¢
Ratio of pay roll to operating revenues	62.5%	58.5%
Ratio of operating expenses to revenues	89.62%	92.12%

(x) Includes the Kettle Valley Railway.

\# Contains a proportion of mixed train miles.

CANADIAN NATIONAL SYSTEM
(Steam Lines in Canada & United States)

FOR THE MONTH OF JANUARY, 1931

OPERATING REVENUES

		1931	1930
Canadian Lines		$11,202,901.00	$14,038,804.74
Duluth, Winnipeg & Pacific		136,855.00	195,935.00
Grand Trunk Western		1,724,612.00	2,395,293.00
New England Lines		149,994.00	192,036.26
Central Vermont Ry. Inc.		542,513.00	599,103.25
Total		13,756,875.00	17,421,172.25

OPERATING EXPENSES

Canadian Lines		$11,928,417.67	$13,801,701.72
Duluth, Winnipeg & Pacific		138,621.49	170,928.76
Grand Trunk Western		1,547,877.95	1,910,795.39
New England Lines		162,233.42	204,730.91
Central Vermont Ry. Inc.		491,653.03	514,406.10
Total		14,268,803.56	16,602,562.88

NET OPERATING REVENUE

Canadian Lines	Dr.	$725,516.67	$237,103.02
Duluth, Winnipeg & Pacific	Dr.	1,766.49	25,006.24
Grand Trunk Western		176,734.05	484,497.61
New England Lines	Dr.	12,239.42	Dr. 12,694.65
Central Vermont Ry. Inc.		50,859.97	84,697.15
Total	Dr.	511,928.56	818,609.37

OPERATING INCOME

Canadian Lines	Dr.	$834,790.10	Dr. $53,068.64
Duluth, Winnipeg & Pacific		606.98	17,167.55
Grand Trunk Western	Dr.	182,172.62	167,829.92
New England Lines	Dr.	76,406.64	Dr. 81,553.25
Central Vermont Ry. Inc.		49,860.79	93,138.33
Total	Dr.	1,042,901.59	143,513.91