Subject to Revision

1921 192

#### DOMINION BUREAU OF STATISTICS

Transportation Branch

# MONTHLY REPORT OF OPERATING REVENUES, EXPENSES AND STATISTICS For Month of Rebruary

The steam railways covered by this report show a considerable improvement for February 1921 compared with February 1920. The operating ratio was reduced from 110.7 per cent to 105.1 per cent and the operating deficit from \$3,519,206 to \$1,653,401. The revenue freight ton miles decreased about 8 per cent and the passengers carried one mile decreased about 18 per cent but the average rate on all classes of freight carried increased from .981 cents per ton per mile to 1.219 cents or 24 per cent and the average passenger rates increased from 2.545 cents per mile to 3.163 cents or 24 per cent. These increased the total operating revenue \$3,069,983 or 11 per cent. The operating expenses also increased \$1,409,179 or 4 per cent; the chief increase being in expenses of transportation which increased \$1,592,447 or 10 per cent. Maintenance of way and structures and maintenance of equipment both show decreases. The total pay roll increased 2 per cent or \$398,045.

The freight train and the mixed train miles decreased 10.5 per cent while the freight car miles decreased only 3 per cent. The average number of freight cars per train mile was 26.7 for 1921 and 24.6 for 1920; this increase was all in empty cars. The loaded car miles was 65.9 per cent of the total in February 1921 against 79.2 per cent in 1920. The average load per freight car increased from 23.4 tons per car to 27.3 tons.

The Grand Trunk Pacific showed a larger deficit this year than in 1920, an increase of \$188,417 due principally to the increase in expenses of transportation which increased over 60 per cent. Maintenance of way and structure expenses increased about 20 per cent but maintenance of equipment decreased over 16 per cent. It also shows an increase of over 55 per cent in revenue freight carried one mile.

The other four systems showed considerable improvement over February 1920. The Grand Trunk against an operating deficit of \$690,856 in 1920 showed a net operating revenue of \$29,692 and brough the operating ratio from 115.2 per cent down to 99.4 per cent. The Canadian Pacific also showed an increased net operating revenue and decreased the operating ratio from 94.5 per cent to 93.6 per cent. Both these systems show decreases in maintenance of equipment of about 15 per cent, while the Canadian Northern and Canadian Government Systems show increases of 34 per cent and 37 per cent respectively in maintenance of equipment. These latter roads show increases also in the train and car mileages.

The Grand Trunk Pacific shows for 1921 a lower average receipt per ton per mile despite the general increases in freight rates. This was due the great increase in grain shipments via that road.

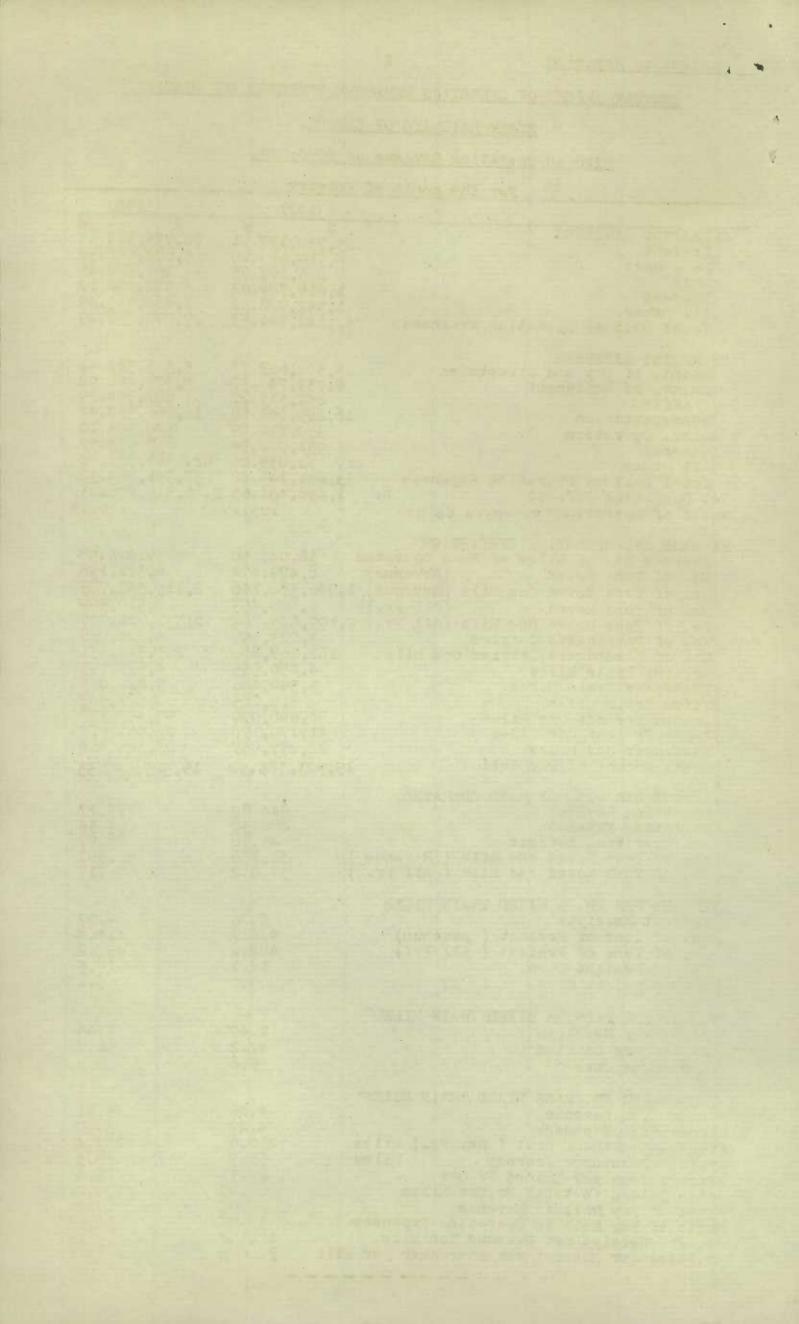
The Grand Trunk showed a small increase in passenger traffic of 5 per cent and the Canadian Government Lines also showed a small increase but the other roads showed considerable decrease. The Canadian Pacific decreased 40,851,953 passenger miles or about 33 per cent. Due to the increased passenger rates the passenger revenue decreased only 12 per cent or \$373,161. It is significant that the average passenger journey on the Canadian Pacific and the Grand Trunk Pacific decreased from 107.1 and 112 miles to 75.9 and 79.5 miles respectively.

## MONTHLY REPORT OF OPERATING REVENUES EXPENSES AND STATISTICS

#### STEAM RAILWAYS OF CANADA.

## With an Operating Revenue of \$500,000.

For the month of	f Febrary	
	1921	1920
OPERATING REVENUES	\$ 9	\$ 2
Freight	23.730,172.21 5.764,699.29	20,735,505.65 5,689,046.57
Passenger	5,764,699.29	261, 226.46
Mail	275,107,733	922, 440.12
Express All Other	1,352,978.32	1,464,759.49
Total Railway Operating Revenues	32,142,741.57	29,072,758.29
OPERATING EXPENSESS	E 700 600 177	E 707 E61 11
Maint of Way and Structures	5,300,603.73	5,303,561.41
Maint. of Equipment Traffic	8,039,742.37 852,313.27	8,377,458.92. 687,394.79
Transportation	18,259,004.68	16,666,557.43
Misc. Operation	450,512.29	590,593.10
General	951,001.94	857,933.37
All Other	Cr. 52,035.06	or. 91,534.70
Total Railway Operating Expenses	33,801,143.22	32,391,964.322
Net Operating Deficit D. Ratio of Operating Expenses to Rev.	1,658,401.65,I	0. 3.319.200.05
verio of obergains Exbenses co Keal	107,01/9	110.7%
MILEAGE AND OPERATING STATISTICS		
Average No. of Miles of Road Operate		37.475.98
No. of Tons Moved (Revenue)	8,429,474	8.371.198
No. of Tons Moved One Mile (Revenue)	1,946,388,146	2,113,337.785
No. of Tons Moved (All Fr.)	9,806,455	9,516,599
No. of Tons Moved One Mile (All Fr.) No. of Passengers Carried		2,331,721.797
No. of Passengers Carried One Mile	3,223,395 182,267,880	3,224,066 223,514,651
Freight Train Miles	4,050,939	4,577,193
Passenger Train Miles	3,349,486	3,422,073
Mixed Train Miles	510,283	522,345
Loaded Freight Car Miles	80,698,979	99,453,628
Empty Freight Car Miles	41,179,178	26,067.857
Passenger Car Miles Total amount of Pay Roll	22,257,957	23, 386, 419
towa company or take their	19,923,385.52	19.525,339.53
AVERAGES PER MILE OF ROAD OPERATED		
Operating Revenue	844.8g	775.77
Operating Expenses New Operating Deficit	888.38	864.34
No. of Tons Moved one mile ( Revenue	43.58	88.57
No. of Tons Moved one mile (All Fr.	), 51,156. 57,812.	56.392. 62,219
	) ) ( , 0 . 2.	03, 019,
AVERAGES PER FR. & MIXED TRAIN MILES		
Freight Receipts	5.20	4.07
No. of Tons of Freight (Revenue) No. of Tons of Freight (All Fr.)	426.7	414.4
Long ed Preight Cars	482.2.	457.2
Manty Freight Cars	9,0	19.5
	7,0	7.6.6
AVERAGE PER PASS. & MIXED TRAIN MILEE		
Pausenger Receipts	1.49	1.44
Passengers Carried	47,.2	56.7
Passenger Cars	5.8	5.9
AVERMOT PER FR. PASS MIXED TRAIN MILES		
Operating Revenue	4.06	3.41
Coerating Expenses	4.27	3.80
Average Length of Haul ( Rev.Fr.) Miles	s 230.9	252.4
Average Passenger Journey Miles		69.3
Ratio loaded to total Fr. Car Miles	27.33	33.4
Patio of Pay Roll to Pevenue	67.9%	79.2% 67.27
Ratio of Pay Roll to Operating Expenses	58.0%	60,3%
Av. Fr. Receipt per Revenue Ton Mile	1.210%	.9816
Av.Passenger Receipt per Passenger per	Mile Builde	2.5152

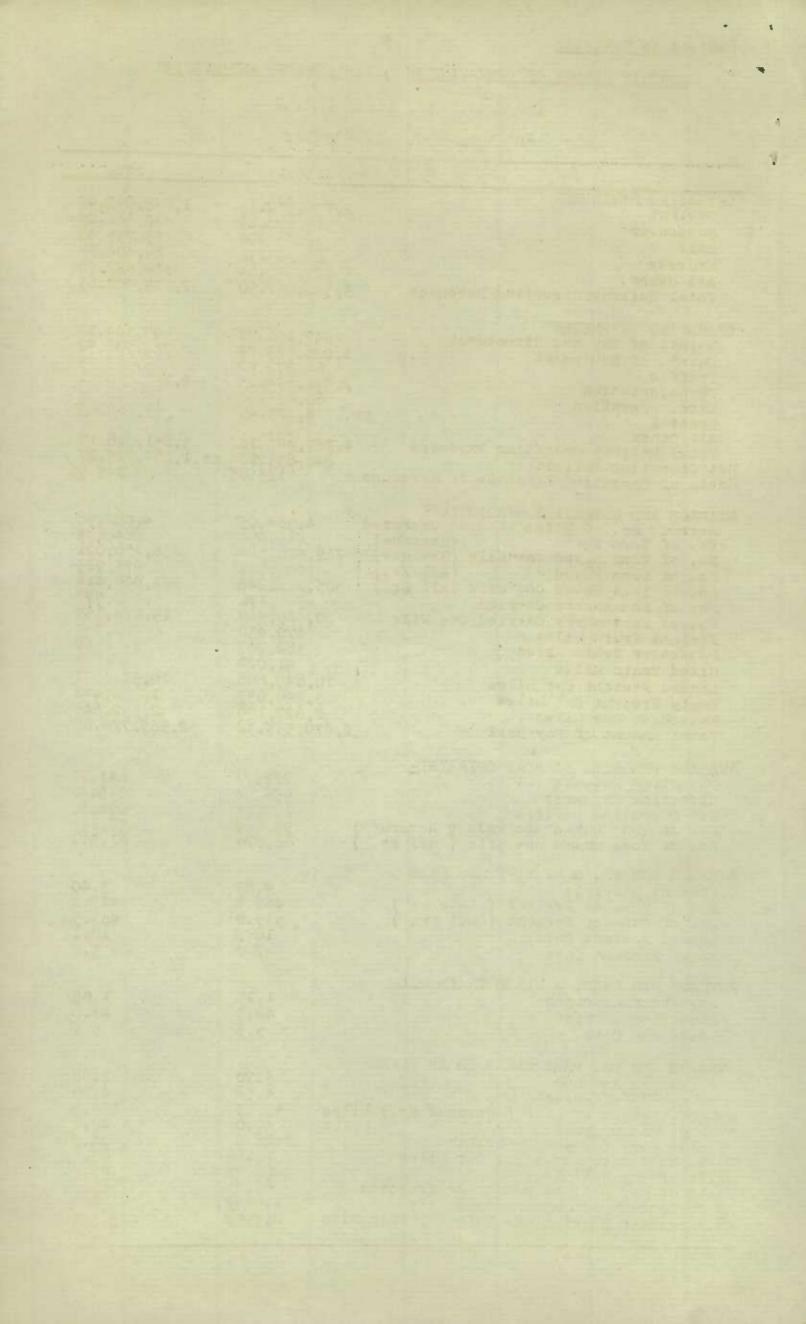


## MONTHLY REPORT OF OPERATING REVENUES EXENSES AND STATISTICS.

#### CANADIAN GOVERNMENT RAILWAYS

#### For the Month of Debutery.

	and the second s	
	1921	1920
OPTRATING REVENUES		3 ONE OFF NO
Freight	2,755,352.33	1,945,857.47
Rassenger	519, 158, 27	35,735.42
Mail	38,332.90	89,404.73
Express	87,363.76	114, 422.98
All Other	126,460.64	2,625,902.85
Total Railway Operating Revenues	35526,657.900	2,029,902.09
OPERATING EXPENSES		
Maint. of Way and Structures	647, 156.91	697,144.12
Maint, of Equipment	1,006,729.84	735,708.38
Traffic	64, 372, 57	735,708.38
Transportation	2,596,834.23	2,195,700.51
Misc, Operation	60,421.00	79,822.95 63,866.63
General	Cr. 8,023.45	63,866.63
All Other	* * * * * * * * * * * * * * * * * * * *	3,831,828.12
Total Railway Operating Expenses	4,367,491.10	
Net Operating Deficit	840,833.20	cr.1,205,925.27 145.9%
Ratio of Operating Expenses to Revenue	s 123.8%	147.07/2
MILEAGE AND OPERATING STATISTICS		
Average No. of Miles of Road Operate	d 4,564.05	4,092.98
No. of Tons Moved (Revenue)	816,990	884,695
No. of Tons Moved one Mile (Revenue)	267, 408, 884.	238, 170, 021
No. of Tons Moved (All Fr.)	997,819	974,913
No. of Tons Moved One Mile (All Er.)	305, 225, 246	251,008,414
No. of Passengers Carried	500,176	488,977
No. of Passengers Carried One Mixe		19,974,159
Freight Train Miles	479, 430	492, 449
Passenger Train Miles	382, 207	340,558
Mixed Train Miles	91,024	78,6755
Loaded Freight Car Miles Empty Freight Car Miles	10,645,868	10,354,841
Passenger Car Miles	3,999,935) 2,627,199	2,352,645
Total amount of Pay Roll	2,879,535,38	2,565,779.67
TO OUT THINKING OF I'M INDEED	-10(1)10.0000	-1,50,117,001,
AVERAGE PER MILE OF ROAD OPERATED-		
Operating Revenue	772.73	641.71
Operating Expenses	956,94	936.43
Net Operating Deficit	184.23	294.70
No. of Tons moved one mile (Revenue	58,589	58,190
No. of Tons moved one mile ( All Fr.	66,876	58,190 61,371
AVERAGE PER FR. & MIXED TRAIN MILE		
Freight Receipts	A: 07	
No. of Tons of Freight (Revenue)	4.83 468.8	3.40
No. of Tons of Freight ( All Fr. )	535.0	417.0
Loaded Freight Cars	18.7	439.5
Empty Freight Cars	7.0	3.2
		J • L
AVERAGE PER PASS. & MIXED TRAIN MILE		
Passenger Receipts	1.10	1.05
Passengers Carried	42.3	4.7, . 6
Passenger Cars	5.5	5.5
AMPDACE DED DACCHITYER MEATH WITHER		
AVERAGE PER FR. PASS MIXED TRAIN MILES Operating Revenue	3.70	0.00
Operating Revenue	4.58	2.88
Average Tangth of Haul ( Revenue Fr.) M	iles 327.3	4.20 269.2
	iles 40.0	40.8
Average Tons per loaded Fr. Car	28.6	24.2
Ratio loaded to total Fr. Car Miles	72.6%	85.0%
Patio of Pay Roll to Revenue	72.69	97.7%
Matio of Pay Roll to Operating Expenses	65.9%	67.0%
Av. Fr Receipt per Revenue Ton Mile	1.0至0多个	8879
Av Passenger Receipt per Passenger Per	Mile 2,595%	2,205,

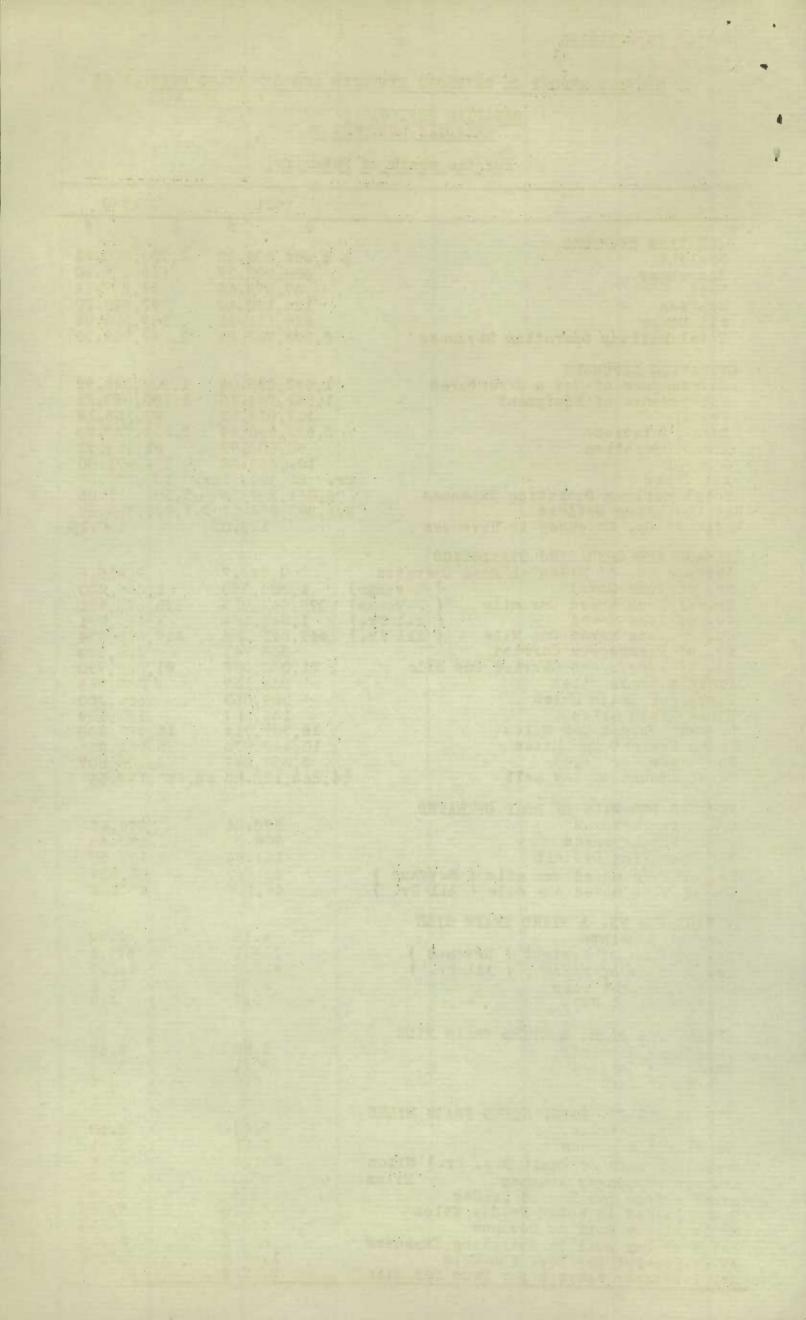


### MONTHLY REPORT OF REVENUES EXPENSES AND OPFRATING STATISTICS

# CANADIAN NATIONAL RAILWAY SYSTEM

#### For the month of February.

For the month of rebruary.		
	1921	1920
	\$ \$	\$ \$
OPERATING REVENUES Freight	\$ 4,491,200.22	2,750,630.51
Passenger	688,735.37	626,535.60
Mail	37,576.46	29,139.14
Express All Other	225,111,81	167,305.94
Total Railway Operating Revenues	5,575,782.26	3,666,759.39
OPERATING EXPENSES		
Maintenance of Way & Structures	1,472,253.04	1,302,548.79
Maintenance of Equipment Traffic	1,541,264.16	1,150,060.21 83,158.18
Transportation	3,522,460,44	2,854.730.23
Misc. Operation		81,199.72
General All Other	164,666.42 Cr. 55,790.31Cr.	134,991.00
Total Railway Operating Expenses	6,861,337.33	5,506,515,05
Net Operating Deficit Ratio of Op. Expenses to Revenues	D.1,285,555.07 D. 123.0%	1,839,755.66
	1204070	130.170
MILEAGE AND OPERATING STATISTICS Average No. of Miles of Road Operated	0 7/10 7	0 657 6
No. of Tons Moved (Revenue	9,742,7	9,653.6 1,058,200
No. of Tons Moved One mile ( Revenue	379,563,363	375,673,421
No. of Tons Moved (All Fr. No. of Tons Moved One Mile (All Fr.		1,240,791
No. of Passengers Carried	368,941	356,380
No. of Passengers Carried One Mile Freight Erain Miles	21,033,088	21,288,790
Passenger Train Miles	932,15 <b>7</b> 55 <b>7</b> ,050	880,766 516,380
Mixed Train Miles	139,587	130,529
Loaded Ireight Car Miles Empty Freight Car Miles	15,797,714 10,447.872	15,792,433 5,954,965
Passenger Car Miles	3,354,277	3,135,507
Motal amount of Pay Roll	\$4,262,123.83 \$3	,635,177.54
AVERAGES PER MILE OF ROAD OPERATED		
Operating Revanue	572.34	379.85
Operating Expenses Not Operating Deficit	704.30 1.31.96	570.43 190.58
No. of Tons moved one mile ( Revenue )	38,969	39,929
No. of Tons moved one mile ( All Fr. )	46,105	43,264
AVERAGE PER FR. & MIXED TRAIN MILE		
Wheight Receipts	4.19	2.72
No. of Tons of Freight ( Revenue ) No. of Tons of Freight ( All Fr. )	354.1 419.0	371.4 412.9
Leaded Freight Cars	14.7	15,6
Empty Freight Cars	9.7	4.9
AVERAGE FER PASS. & MIXED TRAIN MILE		
Passenger Receipts	9,88	9.68
Passauger Carried Passauger Cars	30.1	32.9
		Belleville II
AVERAGE PER FR. PASS. MIXED TRAIN MILES Operating Revenue	3.42	2.40
Operating Expenses	4,21	3.61
Average Length of Haul (Rev. Fr.) Miles	291.2	355.0
Average Passenger Journey Miles Average Tons per Londod Pr. Car	57.0 23.4	53 · 7 25 · 4
Ratio loaded to total Fr. Car Miles	60:1%	72.6%
Ratio of Pay Roll to Revenue	75.4% 62.4%	99.1%
Ratio of Pay Roll to Operating Expenses Av. Fr. Receipt per Rev. Ton Mile	1.1.1.6	7026
Av. Passenger receipt per Pass Per Mile	3.2156	2,0404
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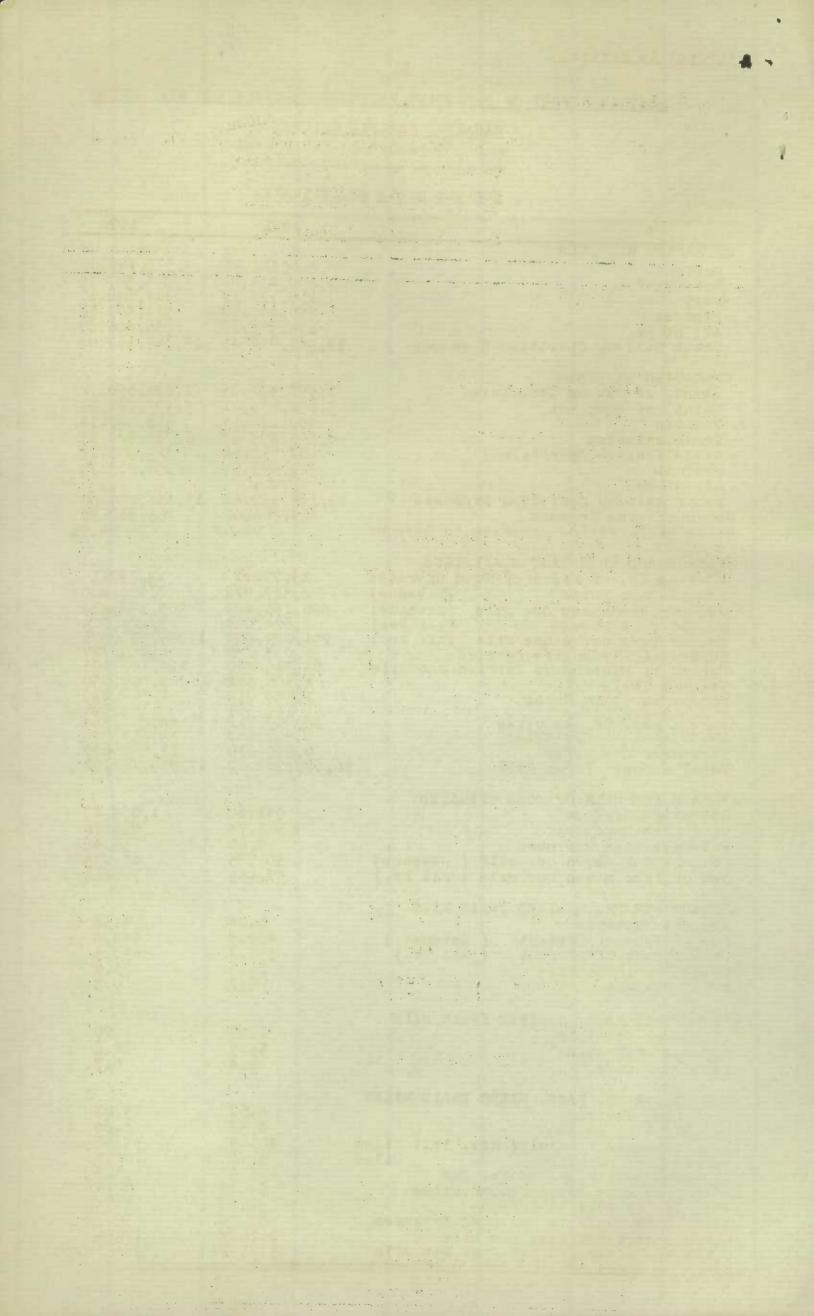


# MONTHLY REPORT OF OPERATING REVENUES EXPENSES AND STATISTICS

# CANADIAN PACIFIC RAILWAY. MONTREAL & ATLANTIC RAILWAY. MORULWAIT & NANAIMO RAILWAY.

#### Hor the month of February.

	1001	1020
OPERATING REVENUES	1921	1920
Freight Passenger Mail Express All Other Total Railway Operating Revenues	8,826,117.75 2,690,426.81 119,124.12 .656,190.88 675,958.87 12,967,818.43	9,372,947.00 3,063,587.25 114,698.17 511,473.68 836,406.80 13,899,112.90
OPERATING EXPENSES: Maint. of Way and Structures Maint. of Equipment Traffic Transportation Miscellaneous Operation General All Other Total Railway Operating Expenses Net Operating Revenue Ratio of Operating Expenses to Revenue	1,557,561.05 3,052,639.01 450,228.33 6,545,295.88 207,712.64 329,895.50 12,143,332.41 824,486.02 93.6%	1,812,690.78 3,598,562.20 378,080.11 6,728,908.59 325,871.22 294,000.70 13,135,193.60 763,919.30 94.5%
MILEAGE AND OPERATING STATISTICS  Average No. of Miless of Road Operated No. of Tons Moved (Revenue) No. of Tons Moved One Mile (Revenue) No. of Tons Moved One Mile (All Fre) No. of Tons Moved One Mile (All Fr.) Number of Passengers Carried Number of Passengers Carried One Mile Freight Train Miles Passenger Train Miles Toaded Freight Car Miles Passenger Car Miles Total amount of Pay Roll	1,369,979 1,369,979 130,361 28,725,712 9,599,487	13.772.1 2,572.420 905,153,422 3,123,274 1,025,598,376 1,157,193 1,965,230 1,582,020 151,926 44,952,564 19,623,739 11,699,677
AVERAGE PER MILE OF ROAD OPERATED Operating Revenue Operating Expenses Net Operating Revenue No. of Tons moved one mile (Revenue) No. of Tons moved one mile (All Fr.)	941.60 881.74 59,86 50.555 57.455	1,009.22 953.76 55.46 65.733 74,469
AVERACE PER FR. & MIXED TRAIN MILE Preight Receipts No. of Tons of Freight (Revenue) No, of Tons of Preight (All Fr.) Loaded Heeight Cars Empty Preight Cars	6.14 484.5 550.7 19.9 6.7	4.56 440.0 498.5 21.8 9.5
AVERAGE PER PASS. & MIXED TRAIN MILET Passenger Receipts Fassengers Carried Passenger Cares	1.79 55.5 6.44	1.77
AVERAGE PER FR. PASS. MIXED TRAIN MILES Operating Revenue Consting Expenses Average Length of Haul' (Rev. Fr.) Miles Average Pass. Journey Miles Average Tons per Loaded Fr. Car Ratle Jouded to total Fr. Car, Miles Ratle of Pay Roll to Revenue Hatle of Pay Roll to Operating Expenses Av. Fr. Receipt per Rev. Ton Mile Av. Passenger Receipt per Pass Per Mile	4.62 4.32 300.3 75.9 27.5 74.9% 51.5% 55.1% 1.267% 3.229¢	- 3.82 3.60 351.8 107.1 22.8 82.4% 54.5% 57.7% 1.6354 2.4472



# MONTHLY REPORT OF REVENUES EXPENSES AND OPERATING STATISTICS.

# GRAND TRUNK RAILWAY OF CANADA

#### For the month of February

For the month of F		
	1921	1920
OPERATING REVENUES	4 156 077 90	\$ 345 040 18
Freight Passenger	4,156.873.89	<b>3,</b> 345,040.18 825,475.58
Mail	42,957.37	42,601.30
Express	95,687.21	153,266.64
All Other	173,445.59	152,093,56
Total Railway Operating Revenues	5,468,732.29	4,518,477,26
OPERATING EXPENSES	20 252 202	
Maint. of Way and Structures Maint. of Equipment	727,316.06	1,539,398.30
Traffic	127,038:67	89,808.75
Transportation	2,955,658.52	2,724,788.57
Miscellaneous Operation	41,739.11	29,994.60
General All Other	272,743.07	195,724.42
Total Railway Operating Expenses	5,439,039.36	5,209,333.96
Nati Operating Revenue	29,692,93	D,690,856.70
Ratio of Operating Expenses to Revenue	99.4%	115.2
MILEAGE AND OPERATING STATISTICS		
Average No. of Miles of Road Operated	3,571	3.571
No. of Tons Moved (Revenue)	1,747,677	1,638,937
No. of Tons Moved One Mile (Revenue No. of Tons Moved (All Fr.	) 2.003,561	309,859,345
	332,980,572	328,132,825
Number of Passengers Carried	842,531	836,441
Number of Passengers Carried One Mile		31,569,953
Freight Train Miles Passenger Train Miles	731,572 581,933	708,597 545,247
Mixed Train Miles	54,21.6	57,567
Loaded Freight Car Miles	13,100,308	14,651,283
Empty Freight Car Miles	8,658,461	3,779,337
Passenger Car Miles Total Amount of Pay Roll \$:	3,361,660 3,751,122,94	3,071,939
AVI I I I I I I I I I I I I I I I I I I	0,101,120234	\$5,510,646.81
VERAGES PER MILE OF ROAD OPERATED		
Operating Revenue	1,531.42	1,265.32
Operating Expanses Net Operating Revenue	1,523.11	1,458.78
No. of Tons Moved one mile ( Revenue )	87,448	icit 193.46 86.795
No. of Tons Moved one mile ( All Fr.)	93,271	91,913
VERAGE PER FR. & MIXED TRAIN MILE		
FReight Receipts	5.29	4.36
No. of tons of Freight (Revenue)	397.3	404.4
No. of tons of Freight ( All Fr. ) Loaded Freight Cars	423.7	428.2
Empty Freight Cars	16.6	19.1
	2.2.40	4.9
VERAGE PER PASS. & MIXED TRAIN MILE	7 57	
Passenger Carried	1.57 52.3	1.37
Pasterger Cars	5.3	52.3
		0 4.12
VERAGE PER FR. PASS MIXED TRAIN MILES Operating Revenue	3.99	7.144
Operating Expenses	3,97	3.44
verage Dength of Haul ( Rev.Fr. ) Miles		1.89.0
verage Fassenger Journey Miles	<i>5</i> 9.5	37,7
Aerage Tons per loaded Fr. Car atio loaded to total Fr. Car Miles	25.4	22.4
atio of Pay Roll to Revenue	60 s 1 % 68 s 5 %	79.47
latio of Pay Roll to Operating Expenses	68.9%	77.09 67.39
v.Fr. Peceipt per Rev. Ton Mile	1.3214	1.0789
w.Passenger receipt per Pass. per Mile	3.0003	2.616

### MONTHLY REPORT OF OPERATING REVENUES, EXPENSES AND STATISTICS.

# For the month of February.

	1921	1920
OPFRATING REVENUESS	\$ &	\$ Z
Freight	792,939.58	673,175.71 138,486.62
Passenge <b>r</b> Mail	147,972.58	12 866 27
Express	24,67A.33	12,866.37
A31 Other		40,370.11
Total Railway Operating Revenues		182,759.57.
OPERATING EXENSES	760 000 100 7	00 2740 02
Maint. of Way and Structuress Maint. of Equipment		61,966.17
Traffic	30.983.58	24, 218, 65
Transportation	957.823.08 5	82, 252, 82
Mige. Operation	5.909.99	30,071.24
General	53.735.52	45,833.17
All other	Cr.12,028.36	# # # # M M M M M M M M M M M M M M M M
Total Railway Operating Expenses	1,872,945.55 1.5 D869, 233,52 D.6	70 816 50
Net Operating Revenues Ratio of Operating Expenses to Revenue	184.7%	175.0%
Racio of Operating Expenses to Revenue	2014 1/90	+ (3) • 7/90
MILEAGE AND OPERATING STATISTICS		
Average No. of Miles of Road Operate	d 2,807/.3	2,807.3
No. of Tons Moved (Revenue)	276,641	202,3937
No. of Tons Moved one Mile ( Revenue		0,861,666
No. of Tons Moved AAll Fr.	361,141	273,716
No. of Tons Moved One Mile (All Fr. No. of Passengers Carried	120,571,609 8 56,935 4,519,726 246,801	3,879,798 62,415
No. of Passengers Carried One Mile	4, 519, 726	6.990.480
Freight Train Miles	246,801	216,127
Passenger Train Miles	129.575	98,047
Mixed Train Miles	31,478	35,890 4,176,485
Loaded Freight Car Miles Empty Freight Car Miles	44,784,548 3,275,186	2.377.649
Passenger Car Miles	981,479	2,377,649
Total amount of Pay Roll	778,418.10 7	58,632.11
AMENAGE PER MILE OF ROAD OPERATED		
Operating Revenue	361.10	314.45
Operating Expensess	667.17,	553.40
Not Operating Deficit	366.07	238.95
No. of Tons moved one mile ( Revenue	34,028	21,680.
No. of Tons moved one mile ( All Fr.	1) 42,949	29,879
Altro Arm for the court of the best manager than a section		
AVERAGE PER FR. & MIXED TRAIN MILES Freight Receipts	2.85	2.67
No. of tons of Freight ( Revenue )	345.3	241.5
No. of tons of Freight (All Fr.))	433.36	332.8
Loaded Freight Cars	17.0	16.6
Empty Freight Cars	11.8	9.4
AVERAGE PER PASSENGER & MIXED TRAIN MII		1.03
Passenger Receipt's	. 28.1	52.2
Bassengers Carried Fassenger Cars	6.1	5.8
[ and children out o		
AVERAGE PER FR. PASS. MIXED TRAIN MILES	S	0.40
. Geneting Revenue	2.49	2.52
Operating Expenses	4.59	4.44
Average Length of Haul (Rev. Fr.) Mile Average Passenger Journey Mile	25 345.31 70 5	300.7
Average Passenger Journey Mile Average Tons per loaded Fr.Car	79.5	20.1
Ratio loaded to total Fr. Car Miles	59.1%	63.7%
Ratio of Pay Roll to Revenue	59.1% 75.8%	86.0%
Ratio of Pay Roll to Operating Expenses	41.6%	48.9%
Av. Fr. Receipt per Revenue Ton Mile	.830g	1.106g.
Av. Passenger receipt per Pass. per Mil	e 3.274¢	1.981#

