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TRANSPORTATION BRANCH

PRELIMINARY REPORT

on

STATISTICS OF STEAM RAILWAYS

in

CANADA

1928

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Minister of Trade and Commerce

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OTTAWA

1929

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DEPARTMENT OF TRADE AND COMMERCE

GENERAL INVESTIGATION OF TRADE

STATEMENT OF INVESTIGATION

STATEMENT OF INVESTIGATION

STATEMENT OF INVESTIGATION

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 Ottawa, Ontario, Canada

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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.

PRELIMINARY REPORT
ON
STATISTICS OF STEAM RAILWAYS
1928

Canadian railways earned larger gross operating revenues during 1928 than in any previous year. Freight revenues amounted to \$415,633,456, passenger revenues to \$84,313,962, and total revenues to \$563,732,259. The freight revenue was by far the largest ever earned exceeding the record made in 1927 by \$54,328,419, but passenger receipts, although larger than in either 1927 or 1926, were not as large as in 1923, 1921, 1920 and 1919. The gain in the passenger traffic made in the past three years has been in the long haul traffic, the average journey increasing from 70.2 miles in 1925 to 70.3 miles in 1926, to 72.9 miles in 1927, and to 77.4 miles in 1928.

Operating expenses amounted to \$442,701,270, which was \$35,054,990 more than for 1927, the large increases being \$11,327,259, or 13 per cent, in maintenance of way and structures, \$8,143,201, or 9 per cent, in maintenance of equipment, and \$15,845,598, or 8 per cent, in transportation expenses.

After making all additions and deductions to income, including dividends and charges for reserves, there was a debit balance carried to profit and loss of \$9,192,149 for the railways as a whole. This was the smallest debit for a number of years and included interest charges of \$96,332,027, the Canadian National railway interest charges on Dominion loans amounting to \$32,507,337. Also, dividends on common stock, amounting to \$29,555,829, exceeded dividend payments for 1927 by \$3,007,699. Of the fifty-three railways reporting, twenty-four showed net corporate incomes aggregating \$61,489,755 and twenty-nine showed losses amounting to \$36,058,906. The corporate loss of the Canadian National system amounted to \$29,868,437, including the deficit of the Eastern Lines of \$5,138,027 which, under the Maritime Freight Rates Act, was met by a separate appropriation by the Government and which the report to Parliament treated as a credit to income account. The present report, however, does not show this credit.

During the year 482.82 miles of new lines were opened for operation, 757.39 miles were under construction, and 630.70 miles were completed but not opened for operation. The greater part of this new mileage completed and also under construction was in Saskatchewan and Alberta. In Saskatchewan 194.71 miles were opened for traffic, 326.51 miles were completed but not opened, and 328.25 miles were under contract, and in Alberta, 171.68 miles were opened, 149.70 miles were completed but not opened at the close of the year, and 364.69 miles were under contract. The total amount expended on new lines during the year amounted to \$30,843,793, on additions and betterments to \$47,699,981, and \$1,107,153 not distributed. The total investment in road and equipment reported as at December 31, 1928, was \$3,018,190,136, which included a credit of \$13,477,505 for property of the Canadian National system turned over in 1928 to the Harbour Commissions of Halifax, (\$12,830,122) and Saint John, (\$647,383).

The net increase to all tracks, including yard tracks and sidings, second and other main track, and industrial tracks, amounted to 738 miles. With the exception of 51.43 miles of 3 feet-6 inches gauge and 1.95 miles of track with three rails, which is both standard and narrow gauge, all the track of the Canadian railways is standard gauge of 4 feet-8½ inches. The narrow gauge lines are on Prince Edward Island, being a part of the Canadian National system on the island.

The net increase in single track or route miles for the year was 451.72 miles which was the largest increase in any year since 1917. This does not include the Hudson Bay railway which is being rehabilitated and completed through to Churchill on Hudson Bay by the Dominion Government, but only mileage of railways operating and reporting to the Bureau. The mileage under contract and completed but not opened for

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traffic on December 31, 1928, indicates a still larger increase of new railway will be opened for operation during 1929.

In the 1928 report revenues from the telegraph service of the Canadian National railways were included with the operating revenues under "Telegraph and Telephone" and the expenses were charged to the appropriate operating expense accounts instead of the net results being brought into the income account as in previous years. This treatment, of course, does not affect the net results, but increases the gross revenues and operating expenses and is the chief factor in the increase of \$6,458,760 in earnings, shown under "Incidental."

The large increase in freight traffic was in wheat which amounted to 17,997,862 tons as against 12,295,949 tons in 1927. This was the first year that the wheat tonnage exceeded the bituminous coal tonnage which in previous years was the heaviest single commodity handled by the railways. Wheat, however, with an average haul of around 650 miles produced considerably more ton miles than bituminous coal which is largely made up of eastern coal with a very short haul and coal imported at Ontario and Quebec ports; the large consumption at Montreal, Toronto, Hamilton and other manufacturing centres makes the average haul under 100 miles. Grain and grain products constituted over 22 per cent of the total revenue tonnage handled by the railways in 1928 and their ton miles were around 60 per cent of the total ton miles of all commodities.

Manufactures and miscellaneous freight was heavier than in 1927 by 3,402,975 tons, or 12.6 per cent. Refined petroleum and its products (gasoline, etc.) was heavier by 453,865 tons, or 20.8 per cent, and automobiles and auto trucks increased by 669,724 tons, or 38 per cent; the greater part of this increase was in United States autos passing through Canada in bond. Wood pulp was lighter than in 1927 by 47,319 tons, or 3 per cent. This class of freight reached its peak in 1925 and showed decreases in each of the following years due to more of it being manufactured into paper in self-contained mills. Paper, printed matter, books, the tonnage of which is largely paper, increased by 325,253 tons, or 14 per cent.

The total pay roll of all railways amounted to \$287,775,315, of which \$264,669,151 was charged to operating expenses and \$23,106,164 was charged to capital accounts. The number of employees increased from 176,032 (revised data) in 1927 to 187,710. Those employees paid on a daily basis, including executives on annual or monthly salaries, received an average of \$5.63 per day and those on an hourly basis received \$.573 per hour, as against \$5.56 and \$.570, respectively, in 1927. Excluding the employees in outside operations which are largely hotel employees, the average hourly wage was \$.756 as against \$.729 in 1927.

There were decreases in all classes of freight cars in service at the end of the year except refrigerator cars which showed a net increase of 148, but all classes showed increased average capacities, indicating that the smaller cars were retired and replaced in part by cars of greater capacity. The Pullman equipment assigned to Canadian service has been included for the first time in this report. Including these 14 parlour and 160 sleeping cars, the total number of passenger train cars was increased by 262, motor passenger cars increasing by 4, first class passenger cars by 10, immigrant cars by 70, parlour cars by 26, and sleeping cars by 155. Freight and passenger locomotives in service showed a reduction of 19 and 12, respectively, but 33 more switching locomotives were in service, and the average tractive power of all locomotives increased from 34,689 pounds in 1927 to 35,193 pounds.

The cost of fuel for locomotives for the year amounted to \$49,257,670, an increase over the 1927 bill of \$2,671,321, or 5.7 per cent.

During the year 16,755,561 cross ties costing \$15,353,041 were placed in track and of this amount \$14,326,177 was charged to maintenance, the remainder being for additions and betterments and new lines. The total cost of rails placed in track amounted to \$25,510,996, including 331,000 tons of new rail costing \$16,476,918 and 353,682 tons of relay rails costing \$9,034,078.

The number of passengers killed in train accidents was 15, of which none were killed in collisions, 2 were killed in derailments, 5 in falling from trains, 6 in boarding or alighting from trains, 1 passenger was struck at a station and 1 was killed by other causes. The number of passengers injured was 326 which was less than for any year since 1921. The number of employees killed in train accidents amounted to 114 which was an increase of 8 over the number for 1927. Of these, 56 were trainmen

and 35 were trackmen. The injured employees numbered 2,214, of which 1,693 were trainmen and 308 were trackmen. In addition to these, 23 persons were killed in accidents resulting from other causes than the movement of trains as against 34 in 1927. Of these, 3 were trackmen, 5 were shopmen, 12 were other employees, 2 were postal clerks and 2 were other persons. From these causes, 10,548 persons were injured including 63 passengers, 3,722 trackmen, 872 stationmen, 3,472 shopmen, and 2,346 other employees. During the year 156 trespassers and 191 non-trespassers were killed and 181 trespassers and 512 non-trespassers were injured, the total number of persons killed in train accidents being 479 as against 368 in 1927 and the number injured was 3,257 as against 2,942 in 1927. The number of persons killed at highway crossings was 132 and the number injured was 460, which was an increase compared with 1927 of 36 killed and 113 injured. This large increase was almost entirely from automobile accidents at both rural and urban crossings, the number of motorists killed amounting to 149 as against 73 the previous year and the number injured being 418 as against 300 in 1927. Gates, bells and watchmen were undoubtedly responsible for these totals not being larger, but despite these protections, 17 motorists were killed and 37 were injured at crossings protected by bells; 5 were killed and 13 were injured at crossings protected by watchmen, and 3 were injured at crossings protected by gates. According to the investigations of the Board of Railway Commissioners, it is not uncommon for motorists to approach railway grade crossings at high speeds and disregard the warnings of watchmen and also to crash through gates or even into the sides of trains.

The accounts of the Eastern Lines of the Canadian National railways, which were segregated under the Maritime Freight Rates Act, are shown separately in this report and at the foot of the tables are shown data of the Canadian National system including the Eastern Lines and other Canadian National lines in Canada and in the United States. The Eastern Lines credited operating revenues with \$2,151,527.75 due from the Dominion Government on account of the reduction ordered in certain freight rates under the Maritime Freight Rates Act, which is in addition to the deficit of \$5,138,027 mentioned above. This deficit needs a word of explanation as it includes interest on Dominion Government loans set up by the railway but not by the Finance Department of the Dominion Government. The amount voted for the Eastern Lines for 1928 was \$2,151,527.75 for freight rate reductions and \$4,200,356.51 for the remainder of the deficit. Thus the total amount paid by the Dominion Government for railway service in the "Select Territory" as designated by the Maritime Freight Rates Act, was \$6,351,884 to Eastern Lines and \$328,893 to other railways, or a total of \$7,180,777 for 1928. In the 1927 report the Eastern Lines did not credit operating revenues with the difference in freight revenues due to the reductions ordered under the Maritime Freight Rates Act which was effective from July 1, 1927, and thus increased the railway deficit accordingly.

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INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1928.

NO. Name of Railway	: Total : Operating : Revenues \$: Total : Operating : Expenses \$
1. Alberta and Great Waterways	326,184.10	264,169.44
2. Algoma Central and Hudson Bay	2,232,525.69	1,071,008.94
3. Algoma Eastern	806,276.84	452,857.82
4. Alma and Jonquiere	96,823.29	81,288.19
5. Atlantic, Quebec and Western	271,960.44	268,534.58
6. Brandon, Saskatchewan and Hudson Bay	112,029.95	146,063.78
7. British Yukon	206,084.21	126,019.38
8. Canada and Gulf Terminal	139,879.15	100,490.38
9. Canada Southern	24,261,444.37	14,229,386.92
10. Canadian National	232,459,577.39	186,296,821.26
11. Eastern Lines	27,959,347.30	31,483,351.52
12. Total	260,418,924.69	217,780,172.78
13. Canadian Pacific	230,406,354.10	173,871,972.86
14. Central Canada	124,375.11	148,039.33
15. Central Vermont	251,470.64	227,914.59
16. Crow's Nest Southern	161,255.40	117,000.98
17. Cumberland	201,936.24	153,177.33
18. Dominion Atlantic	1,861,671.25	1,603,960.55
19. Eastern British Columbia	80,944.29	69,458.47
20. Edmonton, Dunvegan and British Columbia	1,782,160.43	871,971.03
21. Esquimalt and Nanaimo	1,699,777.43	1,078,890.59
22. Essex Terminal	407,038.40	217,572.05
23. Fredericton and Grand Lake Coal & Railway Co.	123,776.58	72,571.42
24. Greater Winnipeg Water District	100,730.22	91,555.38
25. Kent Northern	29,936.98	32,143.23
26. Kettle Valley	2,101,741.24	1,648,295.17
27. Lacombe and North Western	20,333.67	11,861.46
28. Maine Central	16,236.34	20,503.99
29. Maritime Coal Railway & Power Co.	117,695.09	72,004.46
30. Midland Railway of Manitoba	482,128.77	492,476.65
31. Montreal and Atlantic	1,804,282.05	2,000,213.96
32. Morrissey, Fernie and Michel	145,145.22	112,989.86
33. Napierville Junction	703,765.99	371,320.90
34. Nelson and Fort Sheppard	98,667.35	124,244.80
35. New Brunswick Coal and Railway Co.	50,995.74	100,615.50
36. Nipissing Central	214,252.06	226,886.04
37. Ottawa and New York	323,179.92	395,129.60
38. Pacific Great Eastern	531,331.71	663,441.47
39. Pembina Valley	14,674.39	25,840.08
40. Pere Marquette	5,455,228.30	3,121,627.60
41. Quebec Central	3,172,334.64	2,356,012.54
42. Quebec, Montreal and Southern	627,431.26	747,929.48
43. Quebec Oriental	337,280.04	277,347.49
44. Quebec Railway Light and Power Co.	701,140.08	564,138.82
45. Roberval - Saguenay	551,366.53	437,520.55
46. Rutland and Noyan	5,828.37	11,608.01
47. St. Lawrence and Adirondack	966,789.37	867,518.09
48. Sydney and Louisburg	1,642,237.49	1,217,796.49
49. Temiscouata	340,741.98	290,674.37
50. Temiskaming and Northern Ontario	5,324,988.03	3,775,288.93
51. Thousand Islands	91,078.37	57,338.66
52. Toronto, Hamilton and Buffalo	3,570,439.02	2,155,910.32
53. Vancouver, Victoria and Eastern	728,340.32	850,412.78
54. Wabash (in Canada)	7,488,446.75	5,728,102.24
TOTAL	563,732,259.89	442,701,270.33
Canadian National (Can. & U.S.)	304,591,268.52	249,731,695.20

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1928.

NO.	Net Operating Revenue	Railway Tax Accruals	Uncollectable Railway Revenue	Net Operating Income
	\$	\$	\$	\$
1.	62,014.66	5,535.91	-	56,478.75
2.	261,516.75	42,565.13	-	218,951.62
3.	353,419.02	2,139.72	-	351,279.30
4.	15,535.10	366.00	-	15,169.10
5.	3,425.86	3,399.39	-	26.47
6.	34,033.33	3,565.73	-	37,599.56
7.	80,064.83	8,767.28	-	71,297.55
8.	39,388.77	-	-	39,388.77
9.	10,032,057.45	731,677.27	819.49	9,299,560.69
10.	46,162,756.23	3,152,991.15	33,583.97	42,976,181.01
11.	5,524,004.22	258,971.59	6,388.02	3,789,365.83
12.	42,638,751.91	3,411,962.74	39,971.99	39,186,817.18
13.	56,534,381.24	6,044,287.36	-	50,490,093.88
14.	23,664.22	1,129.86	14.44	24,808.52
15.	23,556.05	2,763.32	1.99	20,790.74
16.	44,254.42	8,930.65	-	35,323.77
17.	48,758.91	2,920.00	-	45,838.91
18.	257,710.70	19,292.85	-	238,417.85
19.	11,485.82	2,978.20	-	8,507.62
20.	910,189.40	10,584.73	43.31	899,561.36
21.	620,836.84	75,846.13	-	545,040.71
22.	189,466.35	25,254.50	-	163,211.85
23.	51,205.16	3,149.67	-	48,055.49
24.	9,174.84	-	-	9,174.84
25.	2,206.25	177.09	-	2,383.34
26.	453,446.07	76,175.86	4.58	377,265.63
27.	8,472.21	150.00	-	8,322.21
28.	4,267.65	701.71	-	4,969.36
29.	45,690.63	735.89	-	44,954.74
30.	10,347.88	44,612.73	-	54,960.61
31.	195,931.91	22,424.69	-	218,356.60
32.	32,155.36	133.25	-	32,022.11
33.	332,445.09	24,450.00	-	307,995.09
34.	25,577.45	12,409.73	-	38,077.18
35.	49,619.76	14.50	-	49,634.26
36.	12,633.98	-	-	12,633.98
37.	71,949.68	13,393.48	-	85,343.16
38.	132,109.76	-	61.20	132,170.96
39.	11,165.69	-	-	11,165.69
40.	2,333,600.70	87,008.59	219.02	2,246,373.09
41.	816,322.10	54,603.30	-	761,718.80
42.	120,498.22	12,678.00	443.98	133,620.20
43.	59,932.55	3,454.13	-	56,478.42
44.	137,001.26	14,319.50	-	122,681.76
45.	113,845.98	3,844.22	-	110,001.76
46.	5,779.64	26.25	-	5,805.89
47.	99,271.28	35,325.96	-	63,945.32
48.	424,441.00	26,409.80	-	398,031.20
49.	50,067.61	6,563.48	-	43,504.13
50.	1,549,699.10	-	-	1,549,699.10
51.	33,739.71	606.00	-	33,133.71
52.	1,414,528.70	151,823.75	178.78	1,262,526.17
53.	121,472.46	130,821.41	-	252,293.87
54.	1,760,344.51	524.07	-	1,759,820.44
	121,030,989.56	11,131,593.83	41,758.78	109,857,636.95
	54,859,573.32	5,257,922.02	43,673.37	49,557,977.93

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1928.

NO.	Name of Railway	: Net Income		: Total	
		: from Outside	: Operations	: Non-operating	: Income
		\$		\$	
1.	Alberta and Great Waterways	Dr.	4,384.21		42,362.53
2.	Algoma Central and Hudson Bay		-		196,182.60
3.	Algoma Eastern		-		15,722.78
4.	Alma and Jonquiere		-		345.25
5.	Atlantic, Quebec and Western		-		12,397.28
6.	Brandon, Saskatchewan and Hudson Bay		-		9,139.99
7.	British Yukon		-		15,965.00
8.	Canada and Gulf Terminal		-		5,173.83
9.	Canada Southern		-		264,180.32
10.	Canadian National	Dr.	133,545.89		15,010,140.60
11.	Eastern Lines	Dr.	1,510.50		308,459.91
12.	Total	Dr.	135,056.39		15,318,600.51
13.	Canadian Pacific		3,735,718.04		10,901,132.37
14.	Central Canada		23,360.52		5,209.71
15.	Central Vermont		-		21,618.41
16.	Crow's Nest Southern		-		38,103.45
17.	Glumberland Railway and Coal Co.		-		-
18.	Domintion Atlantic		25,697.28		907.56
19.	Eastern British Columbia		-		4,702.00
20.	Edmonton, Dunvegan & British Columbia		26,503.03		137,887.07
21.	Esquimalt and Nanaimo		-		-
22.	Essex Terminal		-		31,551.63
23.	Fredericton & Grand Lake Coal & Railway Co.		-		-
24.	Greater Winnipeg Water District		-		2,200.00
25.	Kent Northern		-		-
26.	Kettle Valley		-		162,046.48
27.	Lacombe and North Western		487.52		918.14
28.	Maine Central		-		283.20
29.	Maritime Coal, Railway & Power Co.		-		-
30.	Midland Railway of Manitoba		-		41,707.62
31.	Montreal and Atlantic		-		1,400.00
32.	Morrissey, Fernie and Michel		-		40.61
33.	Napierville Junction		-		4,202.45
34.	Nelson and Fort Sheppard		-		12,079.01
35.	New Brunswick Coal and Railway Co.		-		-
36.	Nipissing Central		-		9.00
37.	Ottawa and New York		-		5,349.55
38.	Pacific Great Eastern		-		12,416.58
39.	Pembina Valley		4,976.59		5,124.00
40.	Pere Marquette		-		169,089.88
41.	Quebec Central		-		11,958.48
42.	Quebec, Montreal and Southern		-		200,212.76
43.	Quebec Oriental		-		6,863.39
44.	Quebec Railway, Light & Power Co.		-		-
45.	Roberval - Saguenay		-		2,224.54
46.	Rutland and Noyan		-		4,000.00
47.	St. Lawrence and Adirondack		-		2,156.53
48.	Sydney and Louisburg		-		-
49.	Teniscouata		-		2,597.08
50.	Teniskaming and Northern Ontario		-		69,322.22
51.	Thousand Islands		-		611.55
52.	Toronto, Hamilton and Buffalo		-		285,372.37
53.	Vancouver, Victoria and Eastern		-		354,459.53
54.	Wabash (in Canada)		-		-
TOTAL			3,677,302.38		28,377,827.26
Canadian National (Can. & U.S.)		Dr.	135,056.39		8,549,414.86

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1928.

NO.:	Gross Corporate Income	Interest on Funded and Unfunded Debt	All Other Non-operating Expenses	Total Non-operating Expenses	Net Corporate Income
	\$	\$	\$	\$	\$
1.	94,457.07	759,059.23	32,782.50	791,841.73	- 697,384.66
2.	415,134.22	504,000.00	259,258.88	763,258.88	- 348,124.66
3.	367,002.08	111,325.00	92,386.54	203,711.54	- 163,290.54
4.	15,514.35	-	5,606.93	5,606.93	- 9,907.42
5.	12,423.75	229,933.75	39,462.58	269,396.43	- 256,972.68
6. Dr.	28,459.57	-	14,633.78	14,633.78	- 43,093.35
7.	87,262.55	86,782.92	1,873.60	88,656.52	- 1,393.97
8.	44,562.60	57,000.00	8,550.00	65,550.00	- 20,987.40
9.	9,563,741.01	-	3,130,297.99	3,130,297.99	- 6,433,443.02
10.	57,852,775.72	74,650,146.03	7,933,039.77	82,583,135.80	- 24,730,410.08
11. Dr.	3,482,414.42	817,285.29	838,327.06	1,655,612.35	- 5,138,026.77
12.	54,370,361.30	75,467,431.32	8,771,366.83	84,238,798.15	- 29,868,436.85
13.	65,126,944.29	13,007,721.37	3,513,285.73	16,521,007.10	- 48,605,937.19
14.	3,761.71	184,550.38	43,275.06	227,825.44	- 224,063.73
15.	42,409.15	26,110.40	11,823.51	37,933.91	- 4,475.24
16.	73,427.22	-	25,431.87	25,431.87	- 47,995.35
17.	45,838.91	-	3,594.16	3,594.16	- 42,244.75
18.	265,022.69	239,926.67	195,802.88	435,729.55	- 170,706.86
19.	13,209.62	-	14,810.93	14,810.93	- 1,601.31
20.	1,063,951.46	789,683.61	186,177.58	975,861.19	- 88,090.27
21.	545,040.71	286,764.72	143,015.00	429,779.72	- 115,260.99
22.	194,763.48	21,000.00	-	21,000.00	- 173,763.48
23.	48,055.49	-	68,013.18	68,013.18	- 19,957.69
24.	11,374.84	-	5,345.00	5,345.00	- 6,029.84
25. Dr.	2,383.34	2,699.82	1,280.10	3,979.92	- 6,363.26
26.	539,312.11	623,400.00	174,754.82	798,154.82	- 258,842.71
27.	9,727.87	22,811.42	2,351.71	25,163.13	- 15,435.26
28. Dr.	4,686.16	2,865.84	155.54	3,021.38	- 7,707.54
29.	44,954.74	27,900.00	7,517.00	35,417.00	- 9,537.74
30. Dr.	13,252.99	-	127,415.13	127,415.13	- 140,668.12
31. Dr.	216,956.60	52,650.00	73,782.37	126,432.37	- 343,388.97
32.	32,062.72	-	-	-	- 32,062.72
33.	312,197.54	1.64	80,611.79	80,613.43	- 231,584.11
34. Dr.	25,998.17	-	9,065.78	9,065.78	- 35,063.95
35. Dr.	49,634.26	-	8,318.61	8,318.61	- 57,952.87
36. Dr.	12,624.98	-	38,559.35	38,559.35	- 51,184.33
37. Dr.	79,993.61	-	82,968.64	82,968.64	- 162,962.25
38. Dr.	119,754.38	2,517,361.80	95,441.45	2,612,803.25	- 2,732,557.63
39. Dr.	1,065.10	-	6,132.99	6,132.99	- 7,198.09
40.	2,415,462.97	135,000.00	1,393,804.08	1,528,804.08	- 886,658.89
41.	773,677.28	315,960.92	109,032.67	424,993.59	- 348,683.69
42.	66,592.56	193,877.75	8,996.09	202,873.84	- 136,281.28
43.	63,341.81	103,779.70	27,086.19	130,865.89	- 67,524.08
44.	122,681.76	-	-	-	- 122,681.76
45.	112,226.30	93,100.00	1.00	93,101.00	- 19,125.30
46. Dr.	1,805.89	4,000.00	46.67	4,046.67	- 5,852.56
47.	66,101.85	49,007.55	219,982.37	268,989.92	- 202,888.07
48.	398,031.20	-	34,886.48	34,886.48	- 363,144.72
49.	46,101.21	29,395.55	12,928.59	42,324.14	- 3,777.07
50.	1,619,021.32	163,993.13	215,641.77	379,634.90	- 1,239,386.42
51.	33,745.26	-	1,226.96	1,226.96	- 32,518.30
52.	1,547,898.54	222,932.61	55,683.09	278,615.70	- 1,269,282.84
53.	102,165.66	-	276,478.01	276,478.01	- 174,312.35
54.	1,759,820.44	-	518,947.11	518,947.11	- 1,240,873.33
	141,912,766.59	96,332,027.10	20,149,890.99	116,481,918.09	- 25,430,848.50
	57,972,336.40	76,351,766.18	11,489,007.07	87,840,773.25	- 29,868,436.85

MILEAGE OPERATED
TRAIN MILEAGE FOR THE YEAR ENDED DECEMBER 31, 1928.

NO.:	Name of Railway	Miles of Road Operated	Mileage of Revenue Freight Trains	Mileage of Revenue Passenger Trains
1.	Alberta and Great Waterways	304.89	2,192	-
2.	Algoma Central and Hudson Bay	324.00	317,094	502
3.	Algoma Eastern	88.52	54,852	992
4.	Alma and Jonquiere	10.60	-	-
5.	Atlantic, Quebec and Western	104.31	47,503	52,639
6.	Brandon, Saskatchewan & Hudson Bay	84.75	19,402	52,891
7.	British Yukon	90.32	-	6,344
8.	Canada and Gulf Terminal	38.10	-	-
9.	Canada Southern	381.04	1,885,276	2,395,925
10.	Canadian National	18,024.01	27,549,311	19,246,158
11.	Eastern Lines	3,104.36	3,865,010	3,448,595
12.	Total	21,128.37	31,414,321	22,694,753
13.	Canadian Pacific	14,417.10	29,838,556	20,131,825
14.	Central Canada	99.47	30,801	17,470
15.	Central Vermont	25.33	32,682	48,100
16.	Crow's Nest Southern	52.99	20,436	3,307
17.	Cumberland	31.29	3,114	228
18.	Detroit River Tunnel	3.26	-	-
19.	Dominion Atlantic	304.54	141,040	280,732
20.	Eastern British Columbia	13.04	-	-
21.	Edmonton, Dunvegan & British Columbia	428.04	213,834	91,254
22.	Esquimalt and Nanaimo	209.70	200,807	189,966
23.	Essex Terminal	21.00	14,023	-
24.	Fredericton & Grand Lake Coal & Railway Co.	31.10	-	-
25.	International Bridge & Terminal Co.	1.06	-	-
26.	Greater Winnipeg Water District	92.00	-	-
27.	Kent Northern	27.00	-	-
28.	Kettle Valley	404.66	229,540	232,495
29.	Lacombe and North Western	-	210	-
30.	Maine Central	5.10	695	285
31.	Maritime Coal Railway & Power Co.	16.40	7,907	-
32.	Midland Railway of Manitoba	75.76	47,296	97,689
33.	Montreal and Atlantic	184.60	309,065	301,373
34.	Morrissey, Fernie and Michel	5.37	-	-
35.	Napierville Junction	43.01	37,025	117,399
36.	Nelson and Fort Sheppard	60.79	18,644	7,121
37.	New Brunswick Coal and Railway Co.	59.20	-	-
38.	Nipissing Central	59.74	-	46,937
39.	Ottawa and New York	58.77	37,450	75,600
40.	Pacific Great Eastern	360.80	27,403	7,728
41.	Pembina Valley	26.51	-	-
42.	Pere Marquette	336.88	909,834	139,948
43.	Quebec Central	357.82	248,288	344,612
44.	Quebec, Montreal and Southern	198.83	46,663	48,375
45.	Quebec Oriental	98.15	64,317	56,113
46.	Quebec Railway, Light and Power Co.	25.55	35,955	15,533
47.	Roberval-Saguenay	41.82	34,391	24,964
48.	Rutland and Noyan	3.36	2,133	-
49.	St. Lawrence and Adirondack	60.26	81,579	176,740
50.	Sydney and Louisburg	76.97	125,146	33,810
51.	Temiscouata	113.25	40,986	50,544
52.	Temiskaming and Northern Ontario	388.50	629,976	628,274
53.	Thousand Islands	6.03	7,271	32,310
54.	Toronto, Hamilton and Buffalo	111.03	162,238	165,591
55.	Van Buren Bridge Company	.36	-	-
56.	Vancouver, Victoria and Eastern	284.83	28,335	78,428
57.	Wabash (in Canada)	245.40	1,570,762	270,100
	TOTAL	42,021.62	68,939,042	48,918,897
	Canadian National (Can. & U.S.)	22,468.49	36,066,209	25,138,292

MILEAGE OPERATED
 TRAIN MILEAGE FOR THE YEAR ENDED DECEMBER 31, 1928.

NO.:	Mileage of Revenue Mixed Trains	: # Freight	: # Passenger	: Special Revenue Train Mileage	: Total Revenue Train Mileage	: Mileage of Non-revenue Trains
1.	35,420		12,534	-	50,146	3,406
2.	139,869		44,169	-	501,634	80,078
3.	25,231		29,157	522	110,754	-
4.	-		-	-	-	-
5.	-		-	208	100,350	676
6.	-		-	276	72,569	1,012
7.	23,113		12,445	-	41,902	1,316
8.	10,126		6,075	-	16,201	-
9.	74,618		10,992	-	4,366,811	65,136
10.	2,124,715		436,108	26,804	49,383,096	2,031,612
11.	641,846		236,553	3,887	8,195,891	338,855
12.	2,766,561		672,661	30,691	57,578,987	2,970,467
13.	1,830,172		387,114	18,390	52,206,057	1,348,738
14.	354		506	100	49,231	18,630
15.	-		-	75	80,857	1,325
16.	-		-	-	23,743	2,906
17.	17,174		8,003	-	28,519	-
18.	-		-	-	-	-
19.	142,100		24,547	609	589,028	12,126
20.	6,812		1,076	2,570	10,453	25
21.	4,144		706	956	310,894	57,057
22.	-		-	-	390,773	19,191
23.	-		-	-	14,023	-
24.	22,936		-	-	22,936	-
25.	-		-	-	-	-
26.	-		-	-	-	-
27.	8,750		8,750	-	17,500	-
28.	19,531		2,108	312	483,986	55,994
29.	2,296		378	-	2,884	-
30.	5,339		921	-	7,240	690
31.	11,205		4,980	-	24,092	-
32.	-		-	-	144,985	200
33.	1,767		1,089	254	613,548	19,925
34.	24,460		7,500	-	31,360	-
35.	-		-	-	154,424	785
36.	-		-	-	25,765	1,339
37.	24,226		11,543	-	35,769	-
38.	38,121		3,470	-	88,528	33,723
39.	-		-	4	113,054	4,784
40.	43,231		22,416	1,724	102,502	51,006
41.	4,238		1,170	-	5,408	-
42.	94,319		26,254	-	1,170,355	5,724
43.	120,963		44,513	-	758,376	6,897
44.	65,179		7,467	-	167,684	8,374
45.	-		-	196	120,626	875
46.	1,540		1,710	-	54,738	887
47.	10,144		6,630	230	76,359	4,971
48.	-		-	-	2,133	72
49.	-		-	215	258,534	5,171
50.	15,745		4,287	34	179,022	-
51.	11,802		8,166	162	111,660	8,420
52.	56,770		19,089	785	1,334,894	42,663
53.	-		-	-	39,581	5,796
54.	15,552		5,028	-	348,409	7,567
55.	-		-	-	-	-
56.	37,620		9,119	-	153,502	14,139
57.	-		-	-	1,840,862	-
	5,711,428		1,406,573	58,313	125,034,253	4,862,091
	3,057,394		518,296	34,609	64,814,800	3,093,037

* Divided on car mileage basis.

TONS AND PASSENGERS CARRIED AND CAR MILEAGE FOR YEAR ENDED DECEMBER 31, 1928

NO.:	Name of Railway	Tons Carried	Tons Carried One Mile
1.	Alberta and Great Waterways	56,671	5,006,969
2.	Algoma Central and Hudson Bay	734,062	164,787,866
3.	Algoma Eastern	1,544,521	24,101,164
4.	Alma and Jonquiere	98,541	-
5.	Atlantic, Quebec and Western	206,070	6,808,270
6.	Brandon, Saskatchewan and Hudson Bay	50,439	1,543,125
7.	British Yukon	16,717	1,373,799
8.	Canada and Gulf Terminal	77,552	1,334,595
9.	Canada Southern	9,073,546	1,241,366,765
10.	Canadian National	51,685,623	17,884,008,828
11.	Eastern Lines	6,813,493	1,933,797,089
12.	Total	58,499,116	19,817,805,917
13.	Canadian Pacific	40,326,781	18,059,513,709
14.	Central Canada	91,733	6,635,910
15.	Central Vermont	542,542	15,456,436
16.	Crow's Nest Southern	277,834	14,784,499
17.	Cumberland Railway & Coal Company	524,795	3,244,077
18.	Dominion Atlantic	401,964	30,454,799
19.	Eastern British Columbia	173,681	2,162,953
20.	Edmonton, Dunvegan and British Columbia	434,926	104,126,578
21.	Esquimalt and Nanaimo	1,596,683	45,466,021
22.	Essex Terminal	40,527	405,270
23.	Fredericton and Grand Lake Coal & Railway Co.	137,558	4,131,290
24.	Greater Winnipeg Water District	122,458	-
25.	Kent Northern	12,456	311,375
26.	Kettle Valley	1,554,498	113,738,582
27.	Lacombe and North Western	11,097	395,996
28.	Maine Central	157,471	803,102
29.	Maritime Coal Railway & Power Company	185,128	1,937,240
30.	Midland Railway of Manitoba	147,653	10,692,826
31.	Montreal and Atlantic	1,492,102	78,799,495
32.	Morrissey, Fernie and Michel	499,317	2,681,332
33.	Napierville Junction	722,503	20,015,349
34.	Nelson and Fort Sheppard	60,243	2,279,977
35.	New Brunswick Coal and Railway Co.	146,716	1,100,083
36.	Nipissing Central	109,547	2,242,848
37.	Ottawa and New York	235,514	10,871,773
38.	Pacific Great Eastern	76,533	5,335,811
39.	Pembina Valley	14,237	313,827
40.	Pere Marquette	3,003,505	444,713,666
41.	Quebec Central	1,455,229	90,261,363
42.	Quebec, Montreal and Southern	597,847	27,070,490
43.	Quebec Oriental	142,021	10,315,384
44.	Quebec Railway Light and Power Co.	364,061	5,626,215
45.	Roberval-Saguenay	536,937	8,837,357
46.	Rutland and Noyan	124,140	417,110
47.	St. Lawrence and Adirondack	1,310,269	41,070,355
48.	Sydney and Louisburg	4,580,715	58,873,571
49.	Temiscouata	178,576	7,090,519
50.	Temiskaming and Northern Ontario	1,394,401	256,733,055
51.	Thousand Islands	X -	358,595
52.	Toronto, Hamilton and Buffalo	3,271,689	120,981,082
53.	Vancouver, Victoria and Eastern	371,707	11,573,061
54.	Wabash (in Canada)	3,445,197	724,709,325
	TOTAL	141,230,026	41,610,660,776
	Canadian National (Can. & U.S.)	72,325,911	22,587,502,881

X - Included in Canadian National Railways.

TONS AND PASSENGERS CARRIED AND CAR MILEAGE FOR YEAR ENDED DECEMBER 31, 1928

NO.:	Passengers Carried	Passengers Carried One Mile	Freight Car Miles		Total Passenger Train Car Miles
			Freight Loaded	Freight Empty	
1.	15,870	1,445,725	400,714	242,660	234,540
2.	52,028	3,161,195	4,507,889	2,775,378	546,803
3.	31,990	1,168,651	619,738	453,554	175,823
4.	-	-	-	-	-
5.	44,113	1,500,632	314,965	145,996	269,134
6.	19,734	716,424	88,688	50,729	109,163
7.	18,055	910,436	151,125	60,148	149,020
8.	50,330	944,253	80,081	38,550	20,188
9.	1,446,323	188,099,844	77,832,359	48,385,231	25,850,677
10.	15,479,982	1,195,264,113	764,817,203	389,627,989	146,530,505
11.	3,680,105	220,025,029	90,572,435	27,467,607	26,633,156
12.	19,160,087	1,415,289,142	855,389,638	417,095,596	173,163,661
13.	13,279,570	1,318,741,121	727,860,892	365,222,853	158,688,584
14.	19,653	921,641	325,791	174,512	83,449
15.	112,626	2,383,078	686,593	368,092	304,302
16.	5,024	156,609	347,931	309,851	6,583
17.	31,112	347,246	109,395	109,395	55,115
18.	357,781	15,110,633	2,453,174	1,084,534	1,956,652
19.	4,653	55,636	53,125	50,630	7,888
20.	82,083	12,649,814	4,780,703	2,352,153	1,012,019
21.	126,327	4,291,910	1,810,793	1,383,343	835,951
22.	-	-	103,790	176,680	-
23.	11,647	255,107	150,468	88,583	26,036
24.	10,993	590,647	-	-	-
25.	5,021	125,525	8,450	8,450	16,900
26.	70,236	8,077,716	3,508,743	978,370	1,098,311
27.	1,556	59,692	18,835	13,899	5,292
28.	9,033	46,068	39,022	27,814	10,876
29.	10,636	84,159	42,844	43,994	29,880
30.	61,988	3,401,582	630,597	519,778	720,851
31.	338,262	9,615,353	4,876,929	1,973,504	1,123,592
32.	116,000	622,920	62,500	62,500	7,500
33.	246,731	9,589,264	616,701	504,719	813,503
34.	15,170	336,898	97,497	52,873	13,542
35.	15,464	309,058	56,596	21,837	37,371
36.	96,590	2,779,816	230,752	131,557	266,705
37.	98,578	2,635,768	434,976	385,640	262,024
38.	203,503	3,175,639	422,953	252,530	260,979
39.	2,783	61,066	19,930	8,703	9,308
40.	70,122	1,386,244	25,872,446	15,193,761	584,129
41.	551,402	20,973,963	4,250,023	2,149,376	2,010,873
42.	133,148	3,535,260	1,189,894	962,079	378,068
43.	39,453	2,141,897	471,135	111,679	259,472
44.	1,453,471	14,622,315	270,790	195,033	# 93,947
45.	40,059	768,188	276,268	204,748	93,117
46.	-	-	16,047	9,218	-
47.	703,154	13,997,908	1,498,796	1,441,312	800,989
48.	129,761	1,446,880	2,528,582	2,431,277	170,834
49.	44,309	1,350,839	380,177	216,516	193,850
50.	627,073	43,178,003	12,188,723	5,651,188	4,526,874
51.	18,048	114,243	22,748	5,796	32,310
52.	434,948	15,413,012	3,952,590	2,431,430	1,191,129
53.	123,810	3,760,742	574,756	376,853	572,195
54.	52,484	8,510,931	43,330,060	25,162,940	1,639,424
	40,592,792	3,140,860,693	1,785,958,212	902,095,842	380,717,433
	19,877,213	1,514,259,974	994,123,499	491,500,133	190,193,139

- Exclusive of 433,867 electric passenger car miles.

EMPLOYEES AND THEIR COMPENSATION

No.	Division	: Average
		: Number
		: of
		: Employees

GENERAL AND MISCELLANEOUS

1.	Executives, General Officers and Assistants	847
2.	Division Officers	1,124
3.	Assistant engineers and draftsmen	1,120
4.	Other miscellaneous officials	1,445
5.	Clerks	18,141
6.	Telephone switchboard operators	247
7.	Office boys, messengers, attendants and misc. trades workers	1,216
8.	Janitors and cleaners	1,436
	Total	25,576

MAINTENANCE OF WAY AND STRUCTURES

9.	Bridge and building department foremen	624
10.	Carpenters and bridgemen	3,233
11.	Blacksmiths, pipe fitters, plumbers, tinsmiths and pump repairers	326
12.	Masons, bricklayers, plasterers and painters	526
13.	Helpers, B. and B. Department	330
14.	Apprentices, B. and B. Department	62
15.	Pile driver, ditching, hoist and steam shovel employees	466
16.	Pumpmen	727
17.	Extra gang and snow plough foremen	563
18.	Signal foremen	41
19.	Section foremen	6,265
20.	Sectionmen	19,658
21.	Labourers	16,474
22.	Foremen - Linemen	81
23.	Telegraph and telephone linemen and groundmen	456
24.	Signal and interlocker maintainers and repairmen	415
	Total	50,247

MAINTENANCE OF EQUIPMENT

25.	General foremen	70
26.	Department and gang foremen	2,365
27.	Blacksmiths	767
28.	Boilermakers	1,461
29.	Carmen (a)	2,741
30.	Carmen (b)	723
31.	Carmen (c)	8,299
32.	Carmen (d)	352
33.	Electrical workers	820
34.	Machinists	5,003
35.	Moulders	147
36.	Pipe fitters and sheet metal workers	1,136
37.	Helpers to mechanics	8,355
38.	Helper apprentices	101
39.	Regular apprentices	1,602
40.	Car cleaners	1,665
41.	Other unskilled employees	4,291
42.	Unclassified labourers	3,831
43.	Stationary engineers, firemen and oilers	947
	Not distributed	-
	Total	44,676

EMPLOYEES AND THEIR COMPENSATION

NO.:	Total Days on Duty	Total Hours on Duty	Compensation		
			Total for Year \$	Average Daily Compensation \$	Average Hourly Compensation \$
1.	251,648	-	5,347,069.94	21.25	-
2.	365,850	-	3,988,320.07	10.90	-
3.	345,936	-	2,169,792.81	6.27	-
4.	440,037	-	3,610,344.25	8.20	-
5.	5,578,190	-	26,062,311.30	4.67	-
6.	76,828	-	230,287.23	2.99	-
7.	378,608	-	899,013.14	2.37	-
8.	386,932	-	1,000,209.24	2.58	-
	7,824,029	-	43,307,347.98	5.54	-
9.	201,878	-	1,167,702.07	5.78	-
10.	-	7,924,474	4,521,406.14	-	.571
11.	-	821,159	570,048.91	-	.694
12.	-	1,208,936	722,808.03	-	.598
13.	-	811,353	398,506.99	-	.491
14.	-	158,126	55,943.75	-	.354
15.	-	1,485,743	902,502.38	-	.607
16.	-	1,994,320	888,303.12	-	.445
17.	-	1,680,596	1,169,904.76	-	.696
18.	13,571	-	94,051.36	6.93	-
19.	-	16,201,900	9,328,341.36	-	.576
20.	-	49,759,683	19,771,627.76	-	.397
21.	-	45,000,950	13,520,320.76	-	.300
22.	24,068	-	168,365.98	7.00	-
23.	-	1,125,584	500,610.09	-	.445
24.	-	1,098,872	691,216.84	-	.629
	239,517	129,271,696	54,471,660.30	5.97	.410
25.	22,306	-	216,987.32	9.73	-
26.	770,185	-	5,766,213.90	7.49	-
27.	-	1,691,074	1,292,451.83	-	.764
28.	-	3,360,958	2,554,536.38	-	.760
29.	-	5,930,551	4,577,728.55	-	.772
30.	-	1,540,495	1,195,059.64	-	.776
31.	-	19,524,129	13,426,195.14	-	.688
32.	-	760,909	525,851.47	-	.691
33.	-	1,973,338	1,424,027.80	-	.722
34.	-	11,293,105	8,535,342.49	-	.756
35.	-	316,015	251,734.90	-	.797
36.	-	2,502,812	1,909,093.91	-	.763
37.	-	19,215,014	10,300,069.08	-	.536
38.	-	226,801	123,515.37	-	.545
39.	-	3,439,754	1,664,511.33	-	.484
40.	-	4,299,334	1,783,524.15	-	.415
41.	-	11,493,135	4,748,739.10	-	.413
42.	-	8,990,409	3,517,734.70	-	.391
43.	-	2,390,369	1,380,436.28	-	.577
		-	46,497.37	-	-
	792,491	98,948,202	65,240,250.71	7.55	.599

EMPLOYEES AND THEIR COMPENSATION

No.	Division	Average Number of Employees
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TRANSPORTATION

44.	Inspectors and sergeants of police	163
45.	Constables and policemen	674
46.	Storekeepers	159
47.	Storemen	1,862
48.	Train despatchers and traffic supervisors	558
49.	Supervisory agents and assistants	791
50.	Station agents - Non-telegraphers (small station)	221
51.	Station agents - Telegraphers and telephoners	6,201
52.	Signalmen (non-telegraphers) at interlockers	467
53.	Foremen in freight sheds	402
54.	Freight handlers and other station employees	5,635
55.	Labourers	562
56.	Dining car and restaurant inspectors, conductors and stewards	354
57.	Dining car and restaurant helpers and attendants	2,129
58.	News agents	-
59.	Floating equipment employees	759
60.	Sleeping and parlour car inspectors and conductors	233
61.	Sleeping and parlour car porters	1,175
62.	Drawbridge operators	108
63.	Signalmen or watchmen at crossings (non interlocked)	786
64.	Yardmasters and assistants	389
65.	Switch tenders	519
66.	Hestlers	666
67.	Road passenger conductors	900
68.	Road freight conductors	2,608
69.	Road passenger brakemen, baggagemen and flagmen	2,019
70.	Road freight brakemen and flagmen	5,777
71.	Yard conductors and yard foremen	1,459
72.	Yard brakemen and helpers	3,080
73.	Road passenger engineers and motormen	1,243
74.	Road freight engineers and motormen	3,168
75.	Yard engineers and motormen	1,335
76.	Road passenger firemen and helpers	1,223
77.	Road freight firemen and helpers	3,469
78.	Yard firemen and helpers	1,353

Total 52,447

79.	Express department	3,107
80.	Radio department	89
81.	Employees engaged in outside operations	11,568

GRAND TOTAL 187,710

Total number of female employees (monthly average) 7,056

EMPLOYEES AND THEIR COMPENSATION

NO.:	Total Days on Duty	Total Hours on Duty	Compensation		
			Total for Year \$	Average Daily Compensation \$	Average Hourly Compensation \$
44.	52,376	-	362,421.63	6.92	-
45.	225,759	-	1,148,063.43	5.09	-
46.	51,587	-	321,147.20	6.23	-
47.	-	4,189,724	2,082,420.74	-	.497
48.	-	1,483,462	1,732,135.17	-	1.168
49.	-	2,035,257	1,605,960.55	-	.789
50.	-	504,650	229,973.21	-	.456
51.	-	16,490,096	11,899,690.69	-	.722
52.	-	1,220,259	597,597.15	-	.490
53.	-	1,033,494	721,805.78	-	.698
54.	-	12,982,520	6,749,728.88	-	.520
55.	-	1,357,435	563,739.98	-	.415
56.	-	1,107,869	693,195.74	-	.626
57.	-	6,517,948	2,195,319.34	-	.337
58.	-	-	-	-	-
59.	-	2,450,420	938,326.64	-	.383
60.	-	673,048	476,372.26	-	.708
61.	-	3,536,643	1,290,535.38	-	.365
62.	-	282,529	140,522.23	-	.497
63.	-	2,074,770	781,826.91	-	.377
64.	141,137	-	1,291,959.73	9.15	-
65.	173,207	-	830,974.98	4.80	-
66.	227,748	-	1,255,898.95	5.51	-
67.	-	2,295,445	2,628,876.95	-	1.145
68.	-	8,076,723	7,738,067.47	-	.958
69.	-	5,082,620	4,177,069.25	-	.822
70.	-	16,495,072	12,403,955.80	-	.752
71.	-	4,035,364	3,418,367.26	-	.847
72.	-	8,077,358	6,376,687.45	-	.789
73.	-	2,726,727	4,141,961.79	-	1.519
74.	-	9,654,708	10,732,077.87	-	1.112
75.	-	3,989,108	3,554,678.26	-	.891
76.	-	2,628,844	3,059,921.55	-	1.164
77.	-	9,719,542	8,145,174.87	-	.838
78.	-	4,028,440	2,796,844.92	-	.694
	871,814	134,750,075	107,083,300.01	5.98	.756
79.	984,460	-	4,454,014.17	4.52	-
80.	27,844	-	131,356.00	4.72	-
81.	-	33,794,261	13,087,386.37	-	.387
	10,740,155	396,764,234	287,775,315.54	5.63	.573

Total pay roll charged to operating expenses 264,669,151.95

