

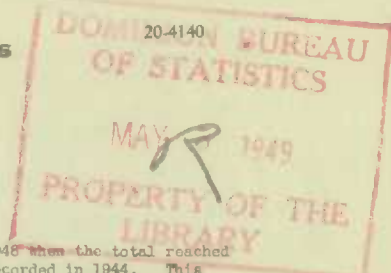
DOMINION BUREAU OF STATISTICS,
TRANSPORTATION DIVISION
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OPERATING REVENUES, EXPENSES & STATISTICS
RAILWAYS IN CANADA
WITH ANNUAL OPERATING REVENUES OF
\$500,000 OR OVER

For Twelve Months ended December 31, 1948.



A new all-time record for railway operating revenues was established in 1948 when the total reached \$866,548,950 compared with \$776,520,584 in 1947 and \$789,851,409, the previous high recorded in 1944. This maximum represents gains of \$90,028,566 or 11.6 p.c. over 1947 and \$76,697,541 or 9.7 p.c. above 1944, and is nearly 2.4 times the 1939 level and 2.6 times the 1938 revenues.

Operating expenses, however, exceeded the relative advance of revenues over 1947 jumping \$115,428,755 or 16.9 p.c. to a new high of \$798,474,125 compared with \$683,045,372 in 1947 and \$501,986,407 in 1939. Net operating revenue thus declined \$25,400,187 to \$68,074,825 as against \$93,475,012 in 1947.

Railway taxes were accrued at \$18,645,265, a drop of \$7,038,501 from the preceding year, while debits for hire of equipment and joint rents also eased. Operating income was \$54,911,327 compared to \$52,723,479 in 1947 and the high of \$158,696,605 in 1945.

Freight revenues were \$692,244,920, up 15 p.c. or \$90,222,537 from 1947, while tonnage of revenue freight increased only 488,844 tons or 0.5 p.c. and ton mileage receded 1.8 p.c. Passenger revenues were off 4.9 p.c. at \$82,886,394 compared with \$87,128,485 and revenue passengers carried numbered 55,655,239, down 6.5 p.c. or 2,467,532 from the previous year. A decline of 8.8 p.c. was experienced in passenger mileage although the average journey was little changed at 96.7 miles against 97.0 miles in 1947. Mail revenue was up 5.8 p.c. and express improved 7.8 p.c. or \$2,539,717 over the preceding year.

Maintenance charges on way and structures and equipment were \$350,241,000 during 1948, an increase of \$53,592,000 over 1947. Transportation expenses rose \$55,706,476 to nearly \$400 million or by 16.2 p.c., while all other operating accounts increased considerably in the face of salary advances.

Total pay roll was by far the highest on record at \$486,732,907, up \$77,488,389 or 18.9 p.c. over 1947. Employees increased from 173,078 to 178,349 or by 3 p.c. Average earnings were \$2,729.10 against \$2,564.51, up 15.4 p.c. A total of \$444,804,775 in pay roll was charged to railway operations against \$383,535,091 in 1947 and includes retroactive pay not shown in monthly reports to the amount of \$11,616,683 while total pay roll included \$29,085,087.

Freight revenue per freight train mile averaged \$8.38 against \$7.36 in 1947 while receipts per revenue ton mile averaged 1.176 cents compared with 1.004 cents one year earlier.

In other words, Canadian railways received just over 1.17 cents during 1948 for moving a ton of freight one mile whereas Class 1, U.S. lines, earned 1.25 cents. The December, 1948, comparison shows 1.218 cents for Canada and 1.312 cents for the United States. Average revenue per passenger mile was 2.404 cents during 1948 compared with 2.56 cents on United States lines.

CANADIAN NATIONAL RAILWAYS: Operating revenues totalled \$422,544,985 - a new high - up 12 p.c. or nearly \$45,240,000 over 1947, while expenses advanced \$61,119,276 or 17.6 p.c. to a record \$408,021,042. Net operating revenue was down from \$30,403,329 to \$14,523,941. Lower debits on hire of equipment offset an increase of \$1,015,954 in taxes, and operating income was \$5,064,024 against \$20,647,543 in 1947, a drop of over \$15,583,000. Freight revenues rose 15 p.c. or by \$43,259,838 to \$332,461,317 for the year. Tonnage was down 1.1 p.c. at 70,698,916 tons, while ton mileage was up slightly. Passenger revenues declined 3.2 p.c. or by \$1,268,372 to \$58,555,991, but all other accounts registered improvement with express receipts up 10.1 p.c. or \$2,116,565. Maintenance of way and structure charges were \$74,948,597, an increase of \$9,455,588 over the 1947 outlay and maintenance of equipment required \$86,850,257 or \$17,177,153 more than in the preceding year. Transportation expenses were \$214,700,839 on Canadian lines, up \$31,584,000. The number of revenue passengers carried during the year was 18,802,599, a decline of 5.2 p.c. with average journey 86 miles against 85 in 1947. Total pay roll reached \$267,284,875, a gain of \$43,796,909 or 19.6 p.c. over 1947 payments, while employees numbering 100,203 were up 2.7 p.c. A more efficient use of freight cars is indicated by the reduction in empty car mileage of 3.3 p.c., whereas loaded car miles increased slightly. The 12 month summary for the combined Canadian and U.S. lines of the system shows operating revenues at \$491,269,950 compared with \$438,197,980 in 1947. Operating expenses rose from \$597,122,607 to \$464,739,970 and operating income was \$10,175,630 compared with \$23,710,623 one year earlier. The operating income for the United States lines at \$5,111,606 exceeded that of the entire Canadian system, which was \$5,064,024. Operating income at \$10,175,630 was far from sufficient to cover fixed charges for interest which require some \$44,000,000 annually.

CANADIAN PACIFIC RAILWAY COMPANY: Revenues reported for 1948 totalled \$555,249,702, a gain of \$34,026,603 or 10.6 p.c. over 1947. Operating expenses increased by \$46,657,561 or 16.7 p.c. to a high of \$526,178,356. Despite record revenues, net operating revenues were only \$29,071,346 compared with \$41,702,504 in 1947. Tax accruals, however, were halved representing a reduction of \$8,148,490 and operating income which had been \$22,892,189 in 1947 receded to \$18,419,166. Interest and amortization requirements of some \$13,000,000 left a relatively small amount for other deductions and for dividends from railway operations. Freight revenues rose \$56,037,452 or 14.4 p.c. from 1947 at \$285,904,350 with tonnage carried up 1.7 p.c. or 1,002,286 tons to 60,036,835 tons. Ton mileage decreased 3.8 p.c. Revenue passenger traffic was down 6.9 p.c. at 13,629,044 passengers compared with 14,636,353, and revenues dropped from \$59,906,621 to \$57,848,138 or by 5.2 p.c. Mail, express and water line revenues improved over 1947. All expense accounts showed appreciable advances. Maintenance of way and structures climbed \$13,590,213 to \$68,366,870, up 24.8 p.c., while maintenance of equipment charged rose by \$10,255,253 to \$72,520,498, a 16.4 p.c. increase. Transportation expenses were some \$20,116,000 heavier at \$154,068,982, up 15 p.c. Freight train and passenger train mileage both increased over 1947, but loaded and empty freight car mileage decreased 2 p.c. and 2.8 p.c. respectively. Total pay roll, including retroactive pay, was a record \$190,502,084, up \$50,889,821 or 19.4 p.c. from the preceding year, while the number of employees at 67,896 rose 2,496 or 3.8 p.c. Average earnings were nearly \$2,803 against \$2,458 in 1947, a 15 p.c. gain.

OPERATING REVENUES, EXPENSES AND STATISTICS OF CANADIAN RAILWAYS
For Twelve Months ended December 31, 1948

	ALL RAILWAYS		CANADIAN NATIONAL RAILWAYS		CANADIAN PACIFIC RAILWAY CO.	
	1 9 4 8	1 9 4 7	1 9 4 8	1 9 4 7	1 9 4 8	1 9 4 7
OPERATING REVENUES						
Freight	\$ 692,244,920	\$ 602,022,383	\$ 332,461,317	\$ 289,201,479	\$ 285,904,350	\$ 249,866,918
Passenger	82,886,394	87,128,485	38,353,991	39,622,363	37,848,138	39,906,621
Mail	9,198,934	8,694,345	3,935,357	3,830,045	4,305,221	4,172,010
Express	32,274,232	29,934,515	X 23,028,449	X 20,912,084	7,343,559	7,307,324
Other passenger train	9,499,986	9,613,731	3,916,815	3,898,600	5,354,163	5,500,433
Water line	3,509,074	/ 3,148,557	-	-	1,687,977	1,479,893
All other	36,935,410	/ 35,978,368	20,849,054	19,840,524	12,806,294	12,989,900
Total Railway Operating Revenues	866,548,950	776,520,384	X 422,544,983	X 377,305,095	355,249,702	321,223,099
OPERATING EXPENSES						
Maintenance of way and structures	157,200,765	132,304,531	74,948,397	65,492,809	68,366,870	54,776,657
Maintenance of equipment	173,040,586	144,345,093	86,850,257	69,673,104	72,520,498	62,285,265
Traffic	16,724,263	15,065,474	7,721,142	6,849,104	7,760,322	7,073,114
Transportation	399,634,932	343,928,456	214,700,639	183,116,677	154,068,982	133,952,979
Miscellaneous operations	14,036,974	12,619,239	4,889,072	3,950,768	7,620,076	7,224,984
General	37,836,607	34,782,579	18,911,535	17,819,304	15,841,608	14,207,796
Total Railway Operating Expenses	798,474,125	683,045,372	408,021,042	346,901,766	326,178,356	279,520,795
OPERATING INCOME						
Net operating revenue	68,074,825	93,475,012	14,523,941	30,403,329	29,071,346	41,702,304
Railway tax accruals	18,643,265	25,681,766	6,520,909	5,504,975	8,024,445	16,172,935
Hire of equipment	Dr. 12,648,597	Dr. /13,165,459	Dr. 2,986,038	Dr. 4,368,081	Dr. 1,552,032	Dr. 1,442,876
Joint facilities rents	Dr. 1,871,636	Dr. 1,904,308	Cr. 47,030	Cr. 117,270	Dr. 1,075,703	Dr. 1,194,304
Operating income	34,911,327	/ 52,723,479	5,064,024	20,647,543	18,419,166	22,892,189
OPERATING STATISTICS						
Average miles of road operated	42,546,07	42,549,35	21,728.27	21,729.61	17,032.7	17,034.7
/ No. of tons carried (Rev.Fr.)	169,643,504	169,174,660	70,698,916	71,457,824	60,036,833	59,034,547
No. of tons carried one mile " " Thous.	58,859,181	59,949,934	28,709,527	28,608,088	25,218,400	26,201,731
No. of tons carried one mile (All Fr.) "	64,152,495	65,076,844	31,638,931	31,569,995	27,461,692	28,252,902
Gross ton miles, excl. of locomotive & tender "	136,064,643	138,026,748	66,715,932	66,709,636	57,529,953	58,737,593
No. of revenue passengers carried	35,655,239	38,122,771	18,802,599	19,858,823	13,629,044	14,636,353
No. of revenue passengers carried one mile "	3,448,269	3,699,691	1,623,402	1,695,374	1,523,514	1,665,585
Freight train miles	82,790,168	/ 81,820,907	40,057,771	38,900,869	35,938,752	35,892,237
Passenger train miles	45,510,536	44,753,275	22,090,854	21,515,326	20,204,687	20,030,695
Total Train Miles (Rev. and non rev.)	131,252,594	/ 129,475,286	63,915,298	62,122,519	57,100,992	56,860,562
Freight car miles - loaded	2,135,830,752	2,159,759,956	1,063,785,596	1,059,080,781	886,526,014	904,552,841
Freight car miles - empty	899,942,560	930,824,740	424,825,361	439,421,940	386,629,400	397,636,250
Passenger train car miles	408,555,828	/ 396,234,377	196,074,585	190,343,852	179,296,240	173,531,377
Total amount of pay roll	3/ \$486,732,907	\$ 409,244,518	\$ 267,284,875	\$ 223,487,966	1/ \$190,302,084	\$ 159,412,263
Number of employees	178,349	173,078	100,203	97,531	67,896	65,400
Pay roll chargeable to rly. operating expenses	4/ \$444,804,773	\$ 385,535,091	\$ 244,841,320	\$ 206,524,421	2/ \$181,047,340	\$ 151,790,688
DAILY AVERAGES PER MILE OF ROAD OPERATED						
Operating revenue	\$55.65	\$50.00	\$53.13	\$47.57	\$56.99	\$51.66
Operating expenses	\$51.28	\$43.98	\$51.31	\$43.74	\$52.32	\$44.96
No. of tons moved one mile (Rev.Fr.)	3,780	3,860	3,610	3,607	4,045	4,214
No. of tons moved one mile (All Fr.)	4,120	4,190	3,978	3,980	4,405	4,544
No. of revenue passengers carried one mile	221	238	204	214	244	268
AVERAGES PER FREIGHT TRAIN MILE						
Freight revenue	\$8.36	\$7.36	\$8.30	\$7.43	\$7.96	\$6.96
No. of tons of freight (Rev.Fr.)	711	733	717	735	702	730
No. of tons of freight (All Fr.)	775	796	790	812	764	787
Gross ton miles	1,643	1,687	1,665	1,715	1,601	1,636
Loaded freight cars	25.8	26.4	26.6	27.2	24.7	25.2
Empty freight cars	10.9	11.4	10.6	11.3	10.8	11.1
AVERAGES PER PASSENGER TRAIN MILE						
Passenger train revenues	\$2.94	\$3.02	X \$3.13	X \$3.17	\$2.71	\$2.84
Passengers carried	76	83	73	79	75	83
Passenger cars	9.0	8.9	8.9	8.8	8.9	8.7
Average operating expenses per train mile	\$6.08	/ \$5.28	\$6.38	\$5.58	\$5.71	\$4.92
Average length of haul (Rev.Fr.) Miles	347	354	406	400	420	444
Average passenger journey Miles	97	97	86	85	112	114
Average tons per loaded freight car mile	30.0	30.1	29.7	29.8	31.0	31.2
Average freight receipt per revenue ton mile	1.176¢	1.004¢	1.158¢	1.011¢	1.134¢	0.954¢
Average passenger receipt per passenger per mile	2.404¢	2.355¢	2.363¢	2.337¢	2.484¢	2.396¢
Ratio of operating pay roll to operating revenues	51.3%	49.4%	57.9%	54.7%	51.0%	47.3%
Ratio of operating expenses to revenues	92.14%	87.96%	96.56%	91.94%	91.82%	87.02%

1/ Includes \$11,786,378 retroactive pay, March - July. 2/ Includes \$11,616,683 retroactive pay, March - July. / Revised.
3/ Includes \$29,085,087 retroactive pay not shown in monthly reports. 4/ Includes \$11,616,683 retroactive pay not shown in monthly reports.
/ Includes duplications. X Includes gross express revenue.

CANADIAN NATIONAL SYSTEM

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(Steam Lines in Canada and United States)

For Twelve Months ended December, 1948

	1948	1947
<u>OPERATING REVENUES</u>		
Canadian Lines	\$ 422,544,985	\$ 377,305,095
United States Lines	68,724,967	60,892,885
Total	491,269,950	438,197,980
<u>OPERATING EXPENSES</u>		
Canadian Lines	408,021,042	346,901,766
United States Lines	56,718,928	50,220,841
Total	464,739,970	397,122,607
<u>NET OPERATING REVENUE</u>		
Canadian Lines	14,523,941	30,403,329
United States Lines	12,006,039	10,672,044
Total	26,529,980	41,075,373
<u>OPERATING INCOME</u>		
Canadian Lines	5,064,024	20,647,545
United States Lines	5,111,606	3,063,080
Total	10,175,630	23,710,625