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DOMINION BUREAU OF STATISTICS
TRANSPORTATION AND PUBLIC UTILITIES BRANCH
OTTAWA

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1943
FOR 12 MONTHS
ENDED DEC. 31

Dominion Statistician, S. A. CUDMORE, M.A. (Oxon.), F.S.S., F.R.S.C.

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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, 1943.

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Gross revenue of Canadian railways for the year 1943 amounted to \$771,658,732. This was an increase over 1942 of \$115,654,460 or 17.6 p.c., and over 1939 of \$408,332,908 or 112 p.c. It was 39 p.c. greater than the peacetime peak of 1928 and was almost three times the revenue of 1933, the subsequent low point. Freight revenue was greater than in 1942 by \$67,021,682 or by 13.5 p.c. for an increase in ton miles of 14.1 p.c. Passenger revenue increased by \$31,968,630 or by 35.2 p.c. for an increase in passenger miles of 30.5 p.c. over 1942 traffic. Freight train loading increased from 1,673 to 1,723 gross ton miles per train mile, or by 3.0 p.c. over 1942, but revenue ton miles were increased from 788 to 842 or by 6.9 p.c., and the average load per car, weighted by miles hauled, increased from 30.6 to 32.7 tons.

The average number of employees increased from 148,369 to 160,095 or by 7.9 p.c., and the total pay roll increased from \$278,330,711 to \$309,929,401 or by 11.4 p.c. The peak railway employment was in 1928 when 176,842 employees were reported on these monthly operating reports.

Operating expenses increased from \$480,703,982 in 1942 to \$554,289,701. This excludes the appropriations for pensions charged to operating expenses - general - by the Canadian National Railways in the monthly reports from March to December, inclusive. The total of these appropriations was \$21,069,000, of which \$19,069,000 was for previous years, and the latter amount has been taken out of operating expenses for 1943. The comparison with 1942 expenses is affected by the appropriation of \$2,000,000 charged to operating expenses in 1943 with no corresponding charge in 1942.

CANADIAN NATIONAL RAILWAYS: Operating revenues of Canadian lines reached a new high record in 1943 of \$391,084,435, which was an increase of \$58,884,474 or 17.7 p.c., compared with \$332,199,961 in 1942. Freight revenues increased by \$32,858,515 or 13.1 p.c., and passenger revenues increased by \$16,623,081 or 36.5 p.c. The United States lines also showed an increase of \$6,076,936 or 14 p.c., bringing the system revenue to \$440,615,954 as compared to \$375,654,544 in 1942.

Operating expenses on Canadian lines increased from \$256,774,568 to \$288,335,053 or by \$31,560,485 or 12.3 p.c. This is exclusive of the \$19,069,000, appropriations of revenue charged to operating expenses in the monthly reports, but includes charges to pensions of \$2,000,000 above what would have been charged on the 1942 basis, as explained above. No similar appropriations were made for the United States lines where employees are covered by a federal government retirement scheme. Also included in operating expenses of Canadian lines were charges for deferred maintenance of \$11,150,000 in 1943, \$11,850,000 in 1942 and \$500,000 in 1941, or a total reserve at the end of 1943 of \$24,500,000. No charge was made against United States way and structures or equipment for deferred maintenance. These deferred maintenance charges are in addition to charges for maintenance work actually done and for depreciation.

Operating expenses of the United States lines increased from \$32,224,107 to \$36,140,616, raising the system total to \$288,998,675 in 1942 and to \$324,475,669 in 1943. System net operating revenue increased from \$86,655,869 to \$116,140,285 and the operating income from \$74,930,222 to \$100,702,938.

CANADIAN PACIFIC RAILWAY COMPANY: Operating revenues amounted to \$239,023,042, a new high record, as against \$258,788,455 in 1942, an increase of \$40,234,587 or 15.6 p.c. Freight revenue increased by \$22,363,798 or 11.5 p.c., and passenger revenue by \$11,784,753 or 30.1 p.c. Operating expenses increased by \$32,592,157 or 17.7 p.c. Deferred maintenance charged to operating expenses was \$6,200,000 in 1943, \$3,750,000 in 1942 and \$3,500,000 in 1941, or a total reserve of \$13,450,000 in addition to depreciation and regular maintenance charges. Net operating revenue increased from \$75,033,033 to \$82,675,463, taxes increased from \$24,920,980 to \$31,548,645 and the operating income increased from \$48,187,689 to \$49,211,567. Freight traffic increased by 10.4 p.c., and passenger traffic by 25.5 p.c. The average number of passenger miles per train mile increased from 110 to 131 and the average loading of freight cars increased from 31.9 to 33.7 tons.

Subject to Revision

OPERATING REVENUES, EXPENSES AND STATISTICS OF CANADIAN RAILWAYS

For Twelve Months ended December 31, 1943.

	ALL RAILWAYS		CANADIAN NATIONAL RAILWAYS		CANADIAN PACIFIC RAILWAY CO.	
	1 9 4 3	1 9 4 2	1 9 4 3	1 9 4 2	1 9 4 3	1 9 4 2
<u>OPERATING REVENUES</u>						
Freight	\$565,268,601	\$498,246,919	\$283,308,693	\$250,450,178	\$217,030,812	\$194,667,014
Passenger	122,817,610	90,848,980	62,155,911	45,532,830	50,943,979	39,159,226
Mail	7,992,459	7,762,161	3,459,543	3,402,128	3,957,531	3,826,555
Express	25,742,898	19,340,614	X 17,003,017	X 13,125,802	6,670,620	4,620,130
Other passenger train	10,615,554	8,122,005	4,752,186	3,537,064	5,552,062	4,403,206
Water line	2,451,998	2,697,514	1,159,615	1,439,298
All other	36,769,612	28,986,079	20,405,085	16,151,959	13,708,423	10,673,026
Total Railway Operating Revenues	771,658,732	656,004,272	X391,084,435	X332,199,961	299,023,042	258,788,455
<u>OPERATING EXPENSES</u>						
Maintenance of way and structures	118,758,424	98,628,131	60,238,071	51,751,203	46,757,704	37,917,239
Maintenance of equipment	128,913,933	118,545,191	64,775,617	64,515,930	53,339,880	45,206,614
Traffic	10,512,827	10,297,528	5,054,611	4,799,868	4,536,772	4,625,402
Transportation	259,282,048	224,341,338	140,433,063	122,363,479	95,613,960	82,880,692
Miscellaneous operations	12,134,116	9,485,257	4,957,587	3,753,650	6,439,998	5,149,530
General	24,688,353	19,406,537	12,876,104	9,590,438	9,659,265	7,975,945
Total Railway Operating Expenses	554,289,701	480,703,982	288,335,053	256,774,568	216,347,579	183,755,422
<u>OPERATING INCOME</u>						
Net operating revenue	217,369,031	175,300,290	102,749,382	75,425,393	82,675,463	75,033,033
Railway tax accruals	43,485,492	33,187,550	3,604,124	3,171,057	31,548,645	24,920,980
Hire of equipment	Dr. 13,655,521	Dr. 10,016,066	Dr. 5,560,207	Dr. 3,793,865	Dr. 1,245,213	Dr. 1,312,400
Joint facilities rents	Dr. 1,531,413	Dr. 1,361,777	Cr. 43,469	Cr. 104,208	Dr. 670,038	Dr. 611,964
Operating income	158,696,605	130,734,897	93,628,520	68,564,679	49,211,567	48,187,689
<u>OPERATING STATISTICS</u>						
Average miles of road operated	42,537.73	42,579.60	21,768.91	21,768.62	17,034.6	17,076.9
No. of tons carried (Rev. Fr.)	169,862,957	149,781,252	69,160,818	60,707,378	52,551,696	47,972,082
No. of tons carried one mile " " Thous.	63,733,103	55,841,052	31,669,867	27,956,510	24,950,848	22,602,237
No. of tons carried one mile (All Fr.) "	68,198,155	60,367,878	34,176,184	30,395,839	26,793,191	24,593,200
Gross ton miles, excl. of locomotive & tender "	139,574,166	128,066,491	68,785,040	64,160,576	54,073,691	50,846,473
No. of revenue passengers carried	54,423,763	45,511,744	32,535,729	29,088,465	17,596,674	13,453,943
No. of revenue passengers carried one mile "	6,474,406	4,962,781	3,390,577	2,578,792	2,631,916	2,097,032

Freight train miles	81,011,742	76,568,718	39,673,131	37,960,338	32,846,480	31,270,216
Passenger train miles	45,357,631	42,804,581	21,871,388	20,696,042	20,014,889	19,076,090
Total train miles (Rev. and Non Rev.)	129,291,229	121,759,993	63,348,697	60,158,389	53,722,864	51,024,205
Freight car miles - loaded	2,084,559,017	1,973,639,910	1,041,825,419	998,877,718	796,006,853	770,124,334
Freight car miles - empty	967,959,625	913,251,937	436,818,986	442,833,547	384,126,127	362,031,574
Passenger train car miles	432,117,602	389,268,562	216,640,243	194,311,618	181,284,964	165,758,028
Total amount of pay roll	\$309,929,401	\$278,330,711	\$172,397,021	\$155,114,643	\$116,927,965	\$105,366,015
Number of employees	160,095	148,369	90,908	84,442	59,558	55,267
Pay roll chargeable to ry. operating expenses	\$289,893,131	\$259,087,105	\$158,353,371	\$141,476,753	\$111,805,234	\$100,538,444
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>						
Operating revenue	\$49.70	\$42.21	\$49.22	\$41.80	\$48.09	\$41.52
Operating expenses	\$35.70	\$30.93	\$36.29	\$32.32	\$34.80	\$29.48
No. of tons moved one mile (Rev.Fr.)	4,105	3,593	3,986	3,519	4,013	3,626
No. of tons moved one mile (All Fr.)	4,392	3,884	4,301	3,826	4,309	3,946
No. of revenue passengers carried one mile	417	319	427	325	423	336
<u>AVERAGES PER FREIGHT TRAIN MILE</u>						
Freight revenue	\$6.98	\$6.51	\$7.14	\$6.60	\$6.61	\$6.22
No. of tons of freight (Rev.Fr.)	787	729	798	737	760	723
No. of tons of freight (All Fr.)	842	788	861	801	816	786
Gross ton miles	1,723	1,673	1,734	1,690	1,646	1,626
Loaded freight cars	25.7	25.8	26.3	26.3	24.2	24.6
Empty freight cars	11.9	12.0	11.0	11.7	11.7	11.6
<u>AVERAGES PER PASSENGER TRAIN MILE</u>						
Passenger train revenues	\$3.69	\$2.95	X \$3.99	X \$3.17	\$3.35	\$2.73
Passengers carried	143	116	155	125	131	110
Passenger cars	9.5	9.1	9.9	9.4	9.1	8.7
Average operating expenses per train mile	\$4.29	\$3.95	\$4.55	\$4.27	\$4.03	\$3.60
Average length of haul (Rev.Fr.) Miles	375	373	458	461	475	471
Average passenger journey Miles	119	109	104	89	150	156
Average tons per loaded freight car mile	32.7	30.6	32.8	30.4	33.7	31.9
Average freight receipt per revenue ton mile	0.887¢	0.892¢	0.895¢	0.896¢	0.870¢	0.861¢
Average passenger receipt per passenger per mile	1.897¢	1.831¢	1.853¢	1.766¢	1.936¢	1.867¢
Ratio of operating pay roll to operating revenues	37.6%	39.5%	40.5%	42.6%	37.4%	38.8%
Ratio of operating expenses to revenues	71.83%	73.28%	73.73%	77.30%	72.35%	71.01%

X - Includes gross express revenue.



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CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada and United States)

For Twelve Months ended December, 1943.

<u>OPERATING REVENUES</u>		
	1943	1942
Canadian Lines	\$ 391,084,435	\$ 332,199,961
United States Lines	49,531,519	43,454,583
Total	440,615,954	375,654,544
<u>OPERATING EXPENSES</u>		
Canadian Lines	288,335,053	256,774,568
United States Lines	36,140,616	32,224,107
Total	324,475,669	288,998,675
<u>NET OPERATING REVENUE</u>		
Canadian Lines	102,749,382	75,425,393
United States Lines	13,390,903	11,230,476
Total	116,140,285	86,655,869
<u>OPERATING INCOME</u>		
Canadian Lines	93,628,520	68,564,679
United States Lines	7,074,418	6,365,543
Total	100,702,938	74,930,222