

fairly static over this period, it should be noted than an extensive program of power upgrading has been followed by the railway companies. The combined tractive effort (the force exerted by powered equipment measured at the rim of the driving wheels) of all locomotives in 1964 averaged 58,216 lb. as compared with 53,368 lb. in 1959.

### 2.—Railway Rolling-Stock in Operation as at Dec. 31, 1959 and 1964

Type	1959	1964	Type	1959	1964
	No.	No.		No.	No.
<b>Locomotives</b> .....	<b>4,720</b>	<b>3,304</b>	<b>Freight Cars</b> .....	<b>194,512</b>	<b>179,854</b>
Steam—			Automobile.....	7,270	6,907
Coal-burning.....	1,143	1	Ballast.....	3,140	2,977
Oil-burning.....	371	—	Box.....	114,181	103,108
Diesel-electric.....	3,155	3,281	Flat.....	12,270	12,755
Electric.....	51	22	Gondola.....	20,428	19,046
<b>Passenger Cars</b> .....	<b>5,456</b>	<b>3,985</b>	Hopper.....	15,601	16,981
Coach.....	1,409	1,037	Ore.....	5,964	5,977
Combination.....	182	131	Refrigerator.....	10,155	7,555
Colonist.....	96	46	Stock.....	5,025	3,281
Dining.....	159	137	Tank.....	455	526
Parlour.....	142	135	Other.....	23	741
Sleeping.....	919	645	<b>Privately Owned Cars<sup>1</sup></b> .....	<b>4,853</b>	<b>5,632</b>
Baggage, express and postal.....	2,353	1,721	Tank.....	4,809	5,484
Self-propelled.....	128	100	Other.....	44	148
Other.....	67	33			

<sup>1</sup> Includes those of non-rail industrial firms such as oil, chemical and railway car leasing companies which furnish freight cars to, or on behalf of, any railway line.

### Subsection 2.—Passenger and Freight Traffic

Table 3 shows passenger and freight statistics for all railways for the years 1960-64. A separate analysis of the operations and traffic of the Canadian National Railways is given at pp. 767-769.

### 3.—Statistics of Passenger and Freight Service and Revenue, 1960-64

Item	1960	1961	1962	1963	1964
<b>Passenger Service</b>					
Revenue passenger-train miles <sup>1</sup> .....	'000 34,493	31,131	29,217	28,239	28,631
Passenger-train car miles <sup>1</sup> .....	" 344,996	311,912	296,950	285,942	308,941
Passengers carried <sup>2</sup> .....	" 19,497	18,784	19,258	20,636	22,915
Passenger-miles.....	" 2,263,795	1,960,591	2,018,842	2,069,565	2,681,234
Passenger-miles per mile of line.....	No. 50,212	43,631	45,048	46,260	60,444
Average receipts per passenger-mile.....	cts. 3.05	3.12	3.00	2.88	2.38
Average receipts per passenger.....	\$ 3.55	3.26	3.15	2.89	2.78
Average passenger journey.....	miles 116	104	105	100	117
Average passengers per train.....	No. 66	63	69	73	94
Passenger-train revenue per passenger-train mile.....	\$ 3.46	3.32	3.56	3.51	3.64
<b>Freight Service</b>					
Revenue freight-train miles.....	'000 63,887	60,593	60,308	62,639	66,785
Revenue freight-train car miles <sup>3</sup> .....	3,249,824	3,234,586	3,256,175	3,465,076	3,768,687
Freight carried <sup>4</sup> .....	'000 tons 158,466	153,202	164,112	172,897	190,160
Freight ton-miles.....	'000 65,444,784	65,828,403	67,937,162	75,796,023	85,032,999
Freight ton-miles per mile of line.....	" 1,451	1,464	1,516	1,694	1,917
Freight receipts per ton per mile.....	cts. 1.52	1.54	1.50	1.41	1.37
Receipts per ton hauled.....	\$ 6.26	6.62	6.34	6.21	6.17
Average length of freight haul.....	miles 413	430	422	441	448
Average train load, revenue tons.....	No. 1,024	1,086	1,127	1,210	1,273
Average load per loaded car mile.....	tons 33.11	33.79	34.71	36.81	37.92
Revenue per freight-train mile.....	\$ 15.54	16.72	16.91	17.04	17.51

<sup>1</sup> Includes express, baggage, mail and other cars. <sup>2</sup> Duplications included. <sup>3</sup> Includes caboose miles but excludes miles made in passenger and non-revenue trains. <sup>4</sup> Excludes traffic handled by more than one railway; see Table 4 for details of freight carried.