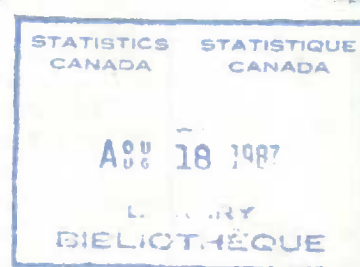


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THE RAILWAY ROLLING STOCK INDUSTRY
1952



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I—General Review of the Manufacturing Industries, \$1.50
- II—The Manufacturing Industries, by Provinces
 - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢
 - Section 2. Principal Statistics of Individual Industries, 75¢
 - Section 3. Principal Statistics by Regional Distribution, 75¢
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
- X—Iron and Steel Products
- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—Miscellaneous Manufactures

The present report belongs in Part XI, Transportation Equipment. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A—General Review, 25¢
- B—The Aircraft and Parts Industry, 25¢
- C—The Bicycle Manufacturing Industry, 25¢
- D—The Boat Building Industry, 25¢
- E—The Motor Vehicles Industry, 25¢
- F—The Motor Vehicle Parts Industry, 25¢
- G—The Railway Rolling Stock Industry, 25¢
- H—The Shipbuilding Industry, 25¢
- I—The Miscellaneous Transportation Equipment Industry, 25¢

THE RAILWAY ROLLING STOCK INDUSTRY

1952

This industry includes all establishments which were occupied chiefly in making railway cars and locomotives, or in making parts for same, such as wheels, brakes, tires, bolsters, springs, etc. The principal repair shops of the Canadian National Railways and the Canadian Pacific Railways are also included.

Production in 1952 was valued at \$332,164,783, an increase of 10.5 per cent over the corresponding total of \$300,627,241 for 1951. Output included new railway cars valued at \$92,258,661, new locomotives at \$38,306,186 and other lines, such as

railway car wheels, parts for railway cars and locomotives, repair work, etc.

Thirty-six establishments were in operation in this group in 1952, there being 15 in Ontario, 9 in Quebec, 4 in Manitoba, 3 in Nova Scotia, 3 in Alberta, 1 in New Brunswick and 1 in British Columbia. Only the larger repair shops were included.

Employees in 1952 numbered 36,084 and salaries and wages for the year totalled \$108,318,766. Materials used in manufacturing or repair work cost \$181,620,234, and fuel and power costs amounted to \$4,783,760.

TABLE 1. Principal Statistics of the Railway Rolling Stock Industry, 1948-1952

Year	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works	Net ¹ value of production
			\$	\$	\$	\$	\$
1948	38	31,371	77,861,850	4,626,351	127,092,740	237,382,892	105,663,801
1949	39	32,410	82,135,159	4,471,448	133,053,860	246,754,026	109,228,718
1950	38	29,257	73,356,659	4,156,966	110,373,110	194,286,237	79,756,161
1951	37	33,410	94,028,834	4,767,123	175,964,789	300,627,241	119,895,329
1952	36	36,084	108,318,766	4,783,760	181,620,234	332,164,783	145,760,789
Per cent change: 1952 from 1951	—	+8.0	+15.2	+0.3	+3.2	+10.5	+21.6

Note. Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

1. Gross value less cost of materials, fuel and electricity.

TABLE 2. Principal Statistics, by Provinces, 1951 and 1952

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1951						
Nova Scotia and New Brunswick ..	4	2,937	7,860,920	493,802	22,282,161	34,712,956
Quebec	10	15,572	41,560,420	2,319,712	73,083,300	125,431,372
Ontario	15	6,510	21,478,522	1,110,455	55,376,534	90,795,956
Manitoba	4	6,065	16,696,467	573,091	18,188,726	35,949,321
Alberta and British Columbia	4	2,326	6,432,505	270,063	7,034,068	13,737,636
Total	37	33,410	94,028,834	4,767,123	175,964,789	300,627,241
1952						
Nova Scotia and New Brunswick ..	4	3,088	8,681,777	478,510	21,413,725	32,740,676
Quebec	9	17,127	50,611,035	2,404,162	82,300,614	158,827,706
Ontario	15	7,220	23,805,016	1,139,318	50,030,057	86,050,467
Manitoba	4	6,225	18,229,133	508,803	19,779,467	39,204,793
Alberta and British Columbia	4	2,424	6,991,805	252,967	8,096,371	15,341,141
Canada	36	36,084	108,318,766	4,783,760	181,620,234	332,164,783

TABLE 3. Employees, Salaries and Wages in the Railway Rolling Stock Industry, by Provinces, 1951 and 1952

Province	Number of employees					Salaries	Wages	Total salaries and wages
	On salaries		On wages		Total			
	Male	Female	Male	Female				
1951						\$	\$	\$
Nova Scotia and New Brunswick	170	11	2,749	7	2,937	668,817	7,192,103	7,860,920
Quebec	864	105	14,508	95	15,572	3,533,098	38,027,322	41,560,420
Ontario	739	175	5,585	11	6,510	3,529,516	17,949,006	21,478,522
Manitoba	263	6	5,796	—	6,065	1,036,945	15,659,522	16,696,467
Alberta and British Columbia	118	3	2,204	1	2,326	459,916	5,972,589	6,432,505
Total	2,154	300	30,842	114	33,410	9,228,292	84,800,542	94,028,834
1952								
Nova Scotia and New Brunswick	180	15	2,884	9	3,088	711,413	7,970,364	8,681,777
Quebec	929	124	15,936	138	17,127	4,152,492	46,458,543	50,611,035
Ontario	795	198	6,220	7	7,220	3,936,824	19,868,192	23,805,016
Manitoba	264	5	5,954	2	6,225	1,085,294	17,143,839	18,229,133
Alberta and British Columbia	122	4	2,298	—	2,424	504,558	6,487,247	6,991,805
Total	2,290	346	33,292	156	36,084	10,390,581	97,928,185	108,318,766

TABLE 4. Products Manufactured in the Railway Rolling Stock Industry, 1951 and 1952

Product	1951		1952	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Brakes, brake beams, brake shoes and parts	—	2,507,387	—	2,746,972
Cars, standard steam railway, complete:				
Passenger	No. 1	86,905	49	4,015,698
Freight:				
Box (except refrigerator)	No. 9,045	57,963,857	4,890	33,424,034
Caboose	—	—	15	293,548
Flat	—	—	1,030	6,695,735
Gondola	300	2,097,729	2,597	18,676,350
Refrigerator	360	4,955,904	500	7,925,000
Tank	57	662,992	144	1,746,826
All other types	850	9,661,160	2,729	19,481,470
Cars, narrow gauge, for mines, quarries, etc.	1,325	1,437,212	604	1,093,867
Locomotives, standard steam railway, new	—	—	—	—
Locomotives, diesel-electric, standard gauge, new	No. 267	41,893,150	226	38,306,186
Wheels for railway cars	—	6,261,915	—	7,706,625
Castings, grey iron (sold)	tons 18,597	3,475,957	15,153	3,263,052
Forgings (sold)	—	598,234	—	590,253
Other parts for cars and locomotives	—	15,949,847	—	17,312,708
Scrap iron and steel	tons 200	4,121	200	3,946
Repairs on freight cars	—	30,243,243	—	30,800,848
Repairs on passenger cars	—	20,388,084	—	21,387,839
Repairs on locomotives	—	36,533,717	—	38,593,445
Receipts from other custom and repair work	—	33,369,779	—	34,734,329
All other products	—	29,068,033	—	39,641,097
Total of above items	—	297,159,226	—	328,439,828
Add value of work done during year on cars, etc., which were not complete at year-end	—	16,164,955	—	19,889,910
Total	—	313,324,181	—	348,329,738
Deduct value of work done in previous years on cars, etc., completed during current year	—	12,696,940	—	16,164,955
Total value of production	—	300,627,241	—	332,164,783

TABLE 5. Materials Used in the Railway Rolling Stock Industry, 1951 and 1952

Material		1951		1952	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Iron and steel:					
Pig iron	tons	27,874	1,469,279	17,945	1,039,263
Castings, iron.....	"	8,563	1,992,325	12,614	2,675,300
Forgings, steel.....	"	—	1,333,202	—	1,904,977
Billets, steel	tons	6,022	536,804	6,851	800,142
Bars and rods, steel	"	55,138	6,579,990	57,709	7,121,811
Shafting, steel	"	21	3,191	40	4,967
Wire, steel.....	"	980	165,809	1,549	319,282
Plates, steel.....	"	58,612	6,546,037	71,982	8,416,474
Sheets, black	"	28,495	2,758,313	4,759	559,026
Sheets, galvanized.....	"	22,005	2,717,781	10,905	1,593,253
Strip, steel	"	2,814	321,774	2,552	347,406
Structural shapes, steel	"	49,849	4,988,912	42,792	4,938,724
Castings, steel.....	"	32,733	10,518,787	19,113	7,610,166
Alloy steel	—	—	299,580	—	741,139
Scrap iron and steel.....	tons	184,047	4,132,546	182,075	4,459,911
Other iron and steel.....	—	—	650,951	—	1,618,506
Non-ferrous metals:					
Aluminum — Castings	pounds	914,653	663,112	133,776	81,139
Sheet	"			122,037	45,343
Other forms	"			135,015	63,364
Brass and bronze	"	13,834,560	5,241,996	14,008,093	6,637,062
Copper	"	260,589	123,899	256,620	124,967
Lead.....	"	88,350	23,112	69,289	14,006
Nickel	"	54,266	28,107	28,989	14,837
Tin	"	28,130	39,181	28,554	50,773
Zinc	"	14,469	4,685	4,073	1,182
Babbitt metal and solder	"	194,146	92,990	220,489	61,986
Other non-ferrous metals.....	—	—	39,171	—	139,786
Ferro-alloys	—	—	251,676	—	280,159
Other materials and supplies:					
Iron and steel pipe, tubes and fittings	—	—	1,652,301	—	1,431,298
Paints, oil and varnishes	—	—	2,067,722	—	1,478,521
Centres	—	—	19,889	—	20,690
Tires	—	—	499,009	—	1,652,649
Wheels	—	—	5,912,905	—	9,308,304
Springs.....	—	—	815,373	—	1,239,916
Other car and locomotive parts	—	—	15,283,938	—	11,584,462
Foundry coke	tons	33,830	955,856	34,097	975,734
Moulding sands.....	"	10,729	101,702	11,716	113,349
Core sands	"	7,568	31,282	7,507	32,029
Silica sand for sand blasting	"	6,012	57,473	5,010	47,832
Plumbago and graphite	pounds	143,843	12,271	165,278	15,082
Foundry facings	—	—	65,007	—	84,805
Lumber.....	M. bd. ft.	68,833	7,995,690	47,037	4,978,610
Firebrick and cupola blocks.....	—	—	130,068	—	138,218
Fireclay	tons	3,319	49,128	4,992	74,995
Core oil and core compounds	—	—	68,454	—	60,481
All other materials.....	—	—	88,722,511	—	96,718,308
Total	—	—	175,964,789	—	181,620,234

TABLE 6. Production of Railway Spikes, 1943-1952

Year	Tonnage made	Tonnage sold	Income from sales
	tons	tons	\$
1943	11,419	11,265	765,911
1944	10,941	10,336	701,320
1945	12,218	12,287	843,150
1946	10,825	11,320	835,376
1947	13,372	12,336	991,828
1948	13,624	13,292	1,241,471
1949	11,279	10,792	1,125,272
1950	16,168	16,053	1,776,991
1951	16,908	17,068	2,142,668
1952	17,240	16,950	2,396,596

TABLE 7. Production of Railway Car Wheels, Railway Cars and Locomotives, 1943-1952

Year	Railway car wheels	Standard railway cars		Locomotives	
		Number	Selling value at works	Number	Selling value at works
	\$		\$		\$
1943.....	5,168,959	6,248	24,706,354	99	10,802,695
1944.....	6,575,408	9,251	35,935,406	190	18,915,916
1945.....	5,210,624	13,480	47,570,897	378	29,498,706
1946.....	4,269,010	10,092	31,831,866	271	25,966,332
1947.....	4,669,396	5,765	30,837,570	125	14,430,852
1948.....	6,437,217	11,524	71,207,654	176	20,047,918
1949.....	4,929,262	10,798	60,684,727	319	38,144,425
1950.....	5,208,022	4,762	33,213,687	146	22,285,122
1951.....	7,026,909	10,613	75,428,547	267	41,893,150
1952.....	8,273,693	11,954	92,258,661	226	38,306,186

TABLE 8. Production of Finished Rail Fastenings, 1943-1952

Year	Tie plates			Fish plates or splice bars		
	Quantity made	Factory sales		Quantity made	Factory sales	
		Quantity	Income from sales		Quantity	Income from sales
	tons	tons	\$	tons	tons	\$
1943.....	27,214	27,057	1,486,184	14,376	14,554	1,002,902
1944.....	41,826	38,351	2,123,629	14,583	14,324	997,004
1945.....	40,129	40,784	2,271,313	10,847	10,836	778,664
1946.....	38,778	41,097	2,474,231	11,918	11,988	876,209
1947.....	39,175	39,459	2,572,632	10,124	9,666	747,608
1948.....	49,669	49,575	3,901,039	23,005	23,190	2,151,653
1949.....	48,493	48,343	4,231,844	14,481	14,267	1,398,332
1950.....	53,807	53,510	4,603,788	14,151	13,912	1,377,614
1951.....	67,588	66,783	6,464,668	18,655	18,577	2,008,149
1952.....	74,519	73,605	7,822,057	16,344	15,803	1,891,455

TABLE 9. Imports and Exports of Specified Railway Equipment, 1951 and 1952

Item	1951		1952	
	Quantity	Value	Quantity	Value
(a) IMPORTS				
		\$		\$
Railway cars:				
Box and flat.....	No. 141	225,680	207	509,047
Tank	" 84	291,337	1,851	3,272,779
Passenger	" 6	55,115	20	153,997
Other	" 252	431,537	231	876,823
Railway car parts	— —	2,259,330	—	2,146,743
Motor rail cars or units for use on railways, and chassis for same, and parts	No. 103	220,014	79	830,175
Railway locomotives	" 28	252,593	17	359,559
Locomotive chassis, tops, wheels and bodies	— —	1,900,436	—	1,631,788
Locomotives and motor cars for railways, of a class or kind not made in Canada, for sawmill, mining or metallurgical operations, and complete parts; also Dieselswitching locomotives of a class or kind not made in Canada	No. 125	2,083,708	149	2,516,747
Locomotive beds or frames of steel, cast in one piece; tender frames of steel, cast in one piece; cast steel cradles for the rear ends of locomotive frames; cast steel truck frames and bolsters for engines, tenders and passenger coaches; platform castings for passenger coaches	— —	689,826	—	331,629
Steel wheels, other, for use on railway rolling stock	— —	2,578,051	—	2,747,175
Tires of steel, in the rough, not drilled or machined in any manner, for railway vehicles	cwt. 274,536	2,011,195	104,938	871,936
(b) EXPORTS				
Railway cars and coaches, and parts	No. 43	332,140	37	352,082
Locomotives and parts	" 14	4,013,235	30	5,337,110

TABLE 10. Capital Expenditures in the Railway Rolling Stock Industry, 1948-1952

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	\$'000						
1948	2,442	2,298	4,740	1,599	6,212	7,811	12,551
1949	1,933	4,044	5,977	1,719	6,656	8,375	14,352
1950	1,308	2,792	4,100	1,608	5,309	6,917	11,017
1951	2,916	3,282	6,198	2,602	7,100	9,702	15,900
1952 ¹	1,580	5,138	6,718	5,624	7,308	12,932	19,650

1. Preliminary.

List of Firms in the Railway Rolling Stock Industry, 1952

Name	Location of works
Nova Scotia:	
Dominion Wheel & Foundries, Limited	New Glasgow
The Eastern Car Company Limited	Trenton
Emanuel & Heating Products Ltd.	Amherst
New Brunswick:	
Canadian National Railways	Moncton
Quebec:	
Canadian Car and Foundry Company Limited	Ville St-Pierre
Canadian Car and Foundry Company Limited	Côte St-Paul, Montreal
Canadian Car and Foundry Company Limited	1401 St. Patrick St., Montreal
Canadian National Railways (2 Divisions)	Pointe St-Charles
Canadian National Railways	Rivière-du-Loup
Canadian Pacific Railway Company	Montreal
B.J. Coghlin Company Limited	3320 Ontario Street East, Montreal
Montreal Locomotive Works, Limited	5781 Notre Dame St. E., Montreal
Standard Railway Equipment Mfg. Co. (Canada) Ltd.	2100 Remembrance St., Lachine
Ontario:	
Buffalo Brake Beam Company	21 Dunbar Avenue, Hamilton
Canada Iron Foundries Limited	1010 Talbot Street, St. Thomas
Canada Iron Foundries Limited	Montreal Street, Fort William
Canadian Locomotive Co. Limited	140 Ontario Street, Kingston
Canadian National Railway Company	Florence Street, London
Canadian National Railway Company	256 Downie Street, Stratford
Canadian National Railway Company	Esander Drive, Leaside
Canadian Pacific Railway Company	West Toronto
Dominion Wheel & Foundries, Limited	171 Eastern Avenue, Toronto
Dominion Wheel & Foundries, Limited	Princess Street, Cobourg
Parmount Railway Motors Limited	Montfair Ave., Toronto
General Motors Diesel Limited	Oxford St. East, London Township
Hammant Steel Car & Engineering Works	29 Dunbar Avenue, Hamilton
National Steel Car Corporation Limited	Kenilworth Avenue North, Hamilton
The Sylvester Steel Products Company Limited	1 Victoria Avenue South, Lindsay
Manitoba:	
Canadian National Railways	Fort Rouge
Canadian National Railways	Transcona
Canadian Pacific Railway Company	Winnipeg
Dominion Wheel & Foundries Limited	St. Boniface
Alberta:	
Canadian National Railways	Edmonton North
Canadian National Railways	104th Ave. & 112th St., Edmonton
Canadian Pacific Railway Company	Calgary
British Columbia:	
Canadian Pacific Railway Company	Foot of Drake Street, Vancouver

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