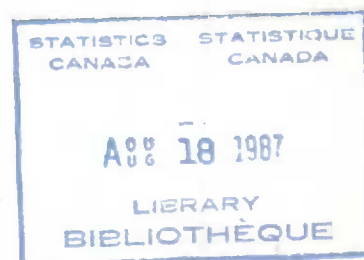


42-211 C.3  
JAN 6 1953

DOMINION BUREAU OF STATISTICS — DEPARTMENT OF TRADE AND COMMERCE  
CANADA

THE RAILWAY ROLLING STOCK INDUSTRY  
1951



*Published by*  
Authority of the Rt. Hon. C. D. Howe  
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section  
Industry and Merchandising Division  
Dominion Bureau of Statistics  
Ottawa

E. J. 112-54

## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—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

## 1951

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 1951 was valued at \$300,627,241, an increase of 54.7 per cent over the corresponding total of \$194,286,237 for 1950. Output included new railway cars valued at \$75,428,547, new locomotives at \$41,893,150 and other lines such as railway car

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

Thirty-seven establishments were in operation in this group in 1951, there being 15 in Ontario, 10 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 1951 numbered 33,410 and salaries and wages for the year totalled \$94,028,834. Materials used in manufacturing or repair work cost \$175,964,789, and fuel and power costs amounted to \$4,767,123.

**TABLE 1. Principal Statistics of the Railway Rolling Stock Industry, 1947-1951**

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 <sup>1</sup> value of production
			\$	\$	\$	\$	\$
1947 .....	37	28,526	61,754,235	3,817,648	73,076,408	159,283,149	82,389,093
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
Per cent change: 1951 from 1950 .....	—	+14.2	+28.2	+14.7	+59.4	+54.7	+50.3

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, 1950 and 1951**

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
			\$	\$	\$	\$
<b>1950</b>						
Nova Scotia and New Brunswick ....	4	2,204	5,281,983	400,298	9,485,017	15,176,122
Quebec .....	10	13,496	34,236,778	2,134,547	54,253,974	93,001,658
Ontario .....	16	5,695	14,975,309	896,611	25,737,620	45,085,001
Manitoba .....	4	5,727	13,712,128	497,099	15,160,908	29,908,993
Alberta and British Columbia .....	4	2,135	5,150,461	228,411	5,735,591	11,114,463
<b>Total .....</b>	<b>38</b>	<b>29,257</b>	<b>73,356,659</b>	<b>4,156,966</b>	<b>110,373,110</b>	<b>194,286,237</b>
<b>1951</b>						
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
<b>Canada .....</b>	<b>37</b>	<b>33,410</b>	<b>94,028,834</b>	<b>4,767,123</b>	<b>175,964,789</b>	<b>300,627,241</b>

## TRANSPORTATION EQUIPMENT

TABLE 3. Employees, Salaries and Wages in the Railway Rolling Stock Industry, by Provinces, 1950 and 1951

Province	Number of employees					Salaries	Wages	Total salaries and wages
	On salaries		On wages		Total			
	Male	Female	Male	Female				
1950						\$	\$	\$
Nova Scotia and New Brunswick ..	168	11	2,017	8	2,204	565,946	4,716,037	5,281,983
Quebec .....	876	98	12,447	75	13,496	3,378,112	30,858,666	34,236,778
Ontario .....	615	127	4,922	31	5,695	2,618,100	12,357,209	14,975,309
Manitoba.....	262	6	5,459	—	5,727	915,742	12,796,386	13,712,128
Alberta and British Columbia .....	111	4	2,019	1	2,135	395,870	4,754,591	5,150,461
Total .....	2,032	246	26,864	115	29,257	7,873,770	65,482,889	73,356,659
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

TABLE 4. Products Manufactured in the Railway Rolling Stock Industry, 1950 and 1951

Product	1950		1951	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Brakes, brake beams, brake shoes and parts .....	—	1,780,121	—	2,507,387
Cars, standard steam railway, complete:				
Passenger .....	No. 68	7,914,308	1	86,905
Freight:				
Box (except refrigerator) .....	No. 1,511	11,661,896	9,045	57,963,857
Caboose .....	—	—	—	—
Flat .....	" 504	2,467,677	—	—
Gondola .....	" 120	818,498	300	2,097,729
Refrigerator .....	" 230	3,301,493	360	4,955,904
Tank .....	" 51	555,855	57	662,992
All other types .....	" 2,278	6,493,960	850	9,661,160
Cars, narrow gauge, for mines, quarries, etc. ....	" 206	177,905	1,325	1,437,212
Locomotives, standard steam railway, new .....	" 48	5,795,725	—	—
Locomotives, diesel-electric, standard gauge, new ..	" 98	16,489,397	267	41,893,150
Wheels for railway cars .....	—	5,167,683	—	6,261,915
Castings, grey iron (sold) .....	tons 16,051	2,627,406	18,597	3,475,957
Forgings (sold) .....	—	240,871	—	598,234
Other parts for cars and locomotives .....	—	9,728,313	—	15,949,847
Scrap iron and steel .....	tons 580	12,981	200	4,121
Repairs on freight cars .....	—	24,104,113	—	30,243,243
Repairs on passenger cars .....	—	15,396,427	—	20,388,084
Repairs on locomotives .....	—	31,669,724	—	36,533,717
Receipts from other custom and repair work .....	—	28,767,854	—	33,369,779
All other products .....	—	21,413,351	—	29,068,033
<b>Total of above items .....</b>	<b>—</b>	<b>196,585,558</b>	<b>—</b>	<b>297,159,226</b>
Add value of work done during year on cars, etc., which were not complete at year end .....	—	12,352,977	—	16,164,955
<b>Total .....</b>	<b>—</b>	<b>208,938,535</b>	<b>—</b>	<b>313,324,181</b>
Deduct value of work done in previous years on cars, etc., completed during current year .....	—	14,652,298	—	12,696,940
<b>Total value of production .....</b>	<b>—</b>	<b>194,286,237</b>	<b>—</b>	<b>300,627,241</b>



TABLE 5. Materials Used in the Railway Rolling Stock Industry, 1950 and 1951

Material	1950		1951		
	Quantity	Cost at works \$	Quantity	Cost at works \$	
Iron and steel:					
Pig iron .....	tons	15,001	721,671	27,874	1,469,279
Castings, iron .....	"	7,326	1,717,375	8,563	1,992,325
Forgings, steel .....	—	—	897,190	—	1,333,202
Billets, steel .....	tons	3,759	337,980	6,022	536,804
Bars and rods, steel .....	"	29,986	2,951,226	55,138	6,579,990
Shafting, steel .....	"	56	9,622	21	3,191
Wire, steel .....	"	618	130,244	980	165,809
Plates, steel .....	"	70,936	6,935,619	58,612	6,546,037
Sheets, black .....	"	10,788	969,140	28,495	2,758,313
Sheets, galvanized .....	"	7,742	863,742	22,005	2,717,781
Strip, steel .....	"	1,109	105,560	2,814	321,774
Structural shapes, steel .....	"	27,071	2,405,298	49,849	4,988,912
Castings, steel .....	"	23,086	7,825,880	32,733	10,518,787
Alloy steel .....	—	—	246,890	—	299,580
Scrap iron and steel .....	tons	161,316	3,296,995	184,047	4,132,546
Other iron and steel .....	—	—	640,200	—	650,951
Non-ferrous metals:					
Aluminum .....	pounds	438,104	151,086	914,653	663,112
Brass and bronze .....	"	10,717,730	3,805,072	13,834,560	5,241,996
Copper .....	"	243,892	99,445	260,589	123,899
Lead .....	"	303,666	59,267	88,350	23,112
Nickel .....	"	51,428	25,851	54,266	28,107
Tin .....	"	16,487	16,695	28,130	39,181
Zinc .....	"	4,266	2,847	14,469	4,685
Babbitt metal and solder .....	"	171,674	69,139	194,146	92,990
Other non-ferrous metals .....	—	—	41,449	—	39,171
Ferro-alloys .....	—	—	221,024	—	251,676
Other materials and supplies:					
Iron and steel pipe, tubes and fittings .....	—	—	1,493,177	—	1,652,301
Paints, oil and varnishes .....	—	—	1,087,421	—	2,067,722
Centres .....	—	—	95,261	—	19,889
Tires .....	—	—	704,495	—	499,009
Wheels .....	—	—	4,807,251	—	5,913,905
Springs .....	—	—	485,983	—	815,373
Other car and locomotive parts .....	—	—	8,900,088	—	15,283,938
Foundry coke .....	tons	30,895	822,567	33,830	955,856
Moulding sands .....	"	9,687	87,765	10,729	101,702
Core sands .....	"	7,799	29,856	7,568	31,282
Silica sand for sand blasting .....	"	4,546	35,796	6,012	57,473
Plumbago and graphite .....	pounds	111,330	12,570	143,843	12,271
Foundry facings .....	—	—	60,431	—	65,007
Lumber .....	M. bd. ft.	50,388	5,594,029	68,833	7,995,690
Firebrick and cupola blocks .....	—	—	130,989	—	130,068
Fireclay .....	tons	2,157	32,556	3,319	49,128
Core oil and core compounds .....	—	—	54,734	—	68,454
All other materials .....	—	—	51,391,634	—	88,722,511
Total .....	—	—	110,373,110	—	175,964,789

TABLE 6. Production of Railway Spikes, 1942-1951

Year	Tonnage made tons	Tonnage sold tons	Income from sales \$
1942 .....	11,784	11,790	806,586
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

TABLE 7. Production of Railway Car Wheels, Railway Cars and Locomotives, 1942-1951

Year	Railway car wheels	Standard railway cars		Locomotives	
		Number	Selling value at works	Number	Selling value at works
	\$		\$		\$
1942 .....	6,791,118	1,501	11,001,274	71	8,604,459
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

TABLE 8. Production of Finished Rail Fastenings, 1942-1951

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	\$
1942 .....	25,187	25,685	1,393,375	14,510	14,963	1,018,651
1943 .....	27,214	27,057	1,486,184	14,376	14,554	1,002,902
1944 .....	41,826	38,351	2,123,029	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

TABLE 9. Imports and Exports of Specified Railway Equipment, 1950 and 1951

Item		1950		1951	
		Quantity	Value	Quantity	Value
(a) IMPORTS			\$		\$
Railway cars:					
Box and flat .....	No.	102	134,058	141	225,680
Tank .....	"	2,805	4,342,644	84	291,337
Passenger .....	"	34	54,671	6	55,115
Other .....	"	88	121,773	252	431,537
Railway car parts .....	—	—	1,194,430	—	2,259,330
Motor rail cars or units for use on railways, and chassis for same, and parts .....	No.	110	1,009,413	103	220,014
Railway locomotives .....	"	5	91,482	28	252,593
Locomotive chassis, tops, wheels and bodies .....	—	—	1,440,705	—	1,900,436
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 Diesel switching locomotives of a class or kind not made in Canada .....	No.	169	3,605,048	125	2,083,708
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 .....	—	—	931,164	—	689,826
Steel wheels, other, for use on railway rolling stock .....	—	—	1,608,742	—	2,578,051
Tires of steel, in the rough, not drilled or machined in any manner, for railway vehicles .....	cwt.	154,309	1,109,799	274,536	2,011,195
(b) EXPORTS					
Railway cars and coaches, and parts .....	No.	—	2,951,496	43	332,140
Locomotives and parts .....	"	69	12,459,964	14	4,013,235

## List of Firms in the Railway Rolling Stock Industry, 1951

Name	Location of works
<b>Nova Scotia:</b>	
Dominion Wheel & Foundries, Limited .....	New Glasgow
The Eastern Car Company Limited .....	Trenton
Enamel & Heating Products Ltd. ....	Amherst
<b>New Brunswick:</b>	
Canadian National Railways .....	Moncton
<b>Quebec:</b>	
Canadian Car and Foundry Company Limited .....	Ville St. Pierre
Canadian Car and Foundry Company Limited .....	Cote 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
Franklin Railway Supply Company Limited .....	400 Atlantic Ave., Outremont
Montreal Locomotive Works, Limited .....	5781 Notre Dame St. E., Montreal
Standard Railway Equipment Mfg. Co. (Canada) Ltd. ....	2100 Remembrance St., Lachine
<b>Ontario:</b>	
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
Fairmont 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
<b>Manitoba:</b>	
Canadian National Railways .....	Fort Rouge
Canadian National Railways .....	Transcona
Canadian Pacific Railway Company .....	Winnipeg
Dominion Wheel & Foundries Limited .....	St. Boniface
<b>Alberta:</b>	
Canadian National Railways .....	Edmonton North
Canadian National Railways .....	104th Ave. & 112th St., Edmonton
Canadian Pacific Railway Company .....	Calgary
<b>British Columbia:</b>	
Canadian Pacific Railway Company .....	Foot of Drake Street, Vancouver

STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010684977