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THE RAILWAY ROLLING STOCK INDUSTRY 1959

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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries in the **Transportation Equipment Major Group** are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual

M — Monthly

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- ^p preliminary figures.
- ^r revised figures.

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1959 are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or

plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value Added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

THE RAILWAY ROLLING STOCK INDUSTRY

1959

This industry includes 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 1959 was valued at \$266,868,100, a decline of 9.8 per cent from the corresponding total of \$295,961,250 for 1958. Output included new railway cars valued at \$40,370,183, new locomotives at \$66,573,422 and other lines, such as railway car wheels, parts for railway cars and locomotives, repair work, etc.

Twenty-nine establishments were in operation in this group in 1959, there being 13 in Ontario, 5 in Quebec, 4 in Manitoba, 2 in Nova Scotia, 2 in Alberta and 1 in each of Newfoundland, New Brunswick and British Columbia. Only the larger repair shops were included.

Employees in 1959 numbered 20,248 and salaries and wages for the year totalled \$83,680,309. Materials used in manufacturing or repair work cost \$163,814,494 and fuel and power costs amounted to \$3,566,466.

TABLE 1. Principal Statistics of the Railway Rolling Stock Industry, Significant Years 1929-59 and by Provinces, 1958 and 1959

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture	Gross selling value of products
	number				dollars		
1929	35	25,488	38,311,179	2,570,981	74,156,037	49,760,019	126,487,037
1933	37	16,172	14,584,021	1,535,225	13,574,592	14,562,448	29,672,265
1937	37	21,496	29,187,157	2,090,074	56,191,146	35,573,335	93,854,555
1939	38	17,569	25,050,559	1,882,557	34,070,884	24,756,763	60,710,204
1945	37	30,515	61,793,939	4,181,244	84,264,315	92,804,283	181,249,842
1946	37	28,553	57,815,845	3,567,097	83,937,365	74,655,059	162,159,521
1949	39	32,410	82,135,159	4,471,448	133,053,860	109,228,718	246,754,026
1955	32	25,400	86,257,623	3,940,088	139,475,062	102,324,180	245,739,330
1956	29	28,118	100,729,171	4,394,127	207,028,080	134,093,999	345,516,206
1957	30	27,909	104,168,142	4,415,818	241,830,731	140,475,504	386,722,053
1958							
Newfoundland, Nova Scotia and New Brunswick	4	2,055	7,840,914	418,615	17,036,942	9,636,351	27,091,908
Quebec	6	9,827	38,356,733	2,044,073	82,405,728	39,173,617	123,623,418
Ontario	12	4,601	20,234,674	880,566	63,960,801	32,484,002	97,325,369
Manitoba	4	4,214	15,653,150	522,218	15,736,777	16,610,902	32,869,897
Alberta and British Columbia ..	3	1,677	5,868,298	140,907	9,018,461	5,894,290	15,050,658
Canada	29	22,374	87,953,769	4,006,379	188,155,709	103,799,162	295,961,250
1959							
Newfoundland, Nova Scotia and New Brunswick	4	1,961	7,880,074	397,049	15,369,505	8,184,790	23,951,344
Quebec	5	9,161	37,198,383	1,749,145	71,759,139	42,101,020	115,609,304
Ontario	13	3,803	17,576,337	817,898	49,693,186	27,206,186	77,717,270
Manitoba	4	3,735	14,977,125	487,975	17,232,399	15,933,110	33,653,484
Alberta and British Columbia ..	3	1,588	6,048,390	114,399	9,760,265	6,062,034	15,936,698
Canada	29	20,248	83,680,309	3,566,466	163,814,494	99,487,140	266,868,100

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

TRANSPORTATION EQUIPMENT

TABLE 2. Inventories,¹ 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Newfoundland, Nova Scotia and New Brunswick....	825,532	2,769,535	21,630	3,616,697
Quebec	17,932,661	3,798,063	137,655	21,868,379
Ontario	7,392,875	5,782,150	1,385,066	14,560,091
Manitoba	5,435,031	189,090	20,060	5,644,181
British Columbia and Alberta	3,415,758	2,009	—	3,417,767
Canada	35,001,857	12,540,847	1,564,411	49,107,115
Closing:				
Newfoundland, Nova Scotia and New Brunswick....	374,846	475,677	10,861	861,384
Quebec	16,252,034	2,657,183	120,499	19,029,716
Ontario	6,113,891	4,876,257	1,143,467	12,133,615
Manitoba	5,968,505	338,098	17,355	6,323,958
British Columbia and Alberta	3,265,696	2,604	—	3,268,300
Canada	31,974,972	8,349,819	1,292,182	41,616,973

¹ (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Railway Rolling Stock Industry for the year under review are shown in the above table.

(c) The opening inventory for 1959 does not necessarily agree with the closing inventory for 1958 because of the addition of new plants, transfer of plants to other industries and plants going out of business.

TABLE 3. Products Manufactured in the Railway Rolling Stock Industry, 1958 and 1959

Product	1958		1959	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Brakes, brake beams, brake shoes and parts .....	...	3,067,452	...	3,224,086
Cars, railway, complete:				
Passenger	No. 99	9,551,987	7	604,694
Freight:				
Box (except refrigerator)	" 1,395	11,527,553	1,355	16,245,632
Flat	" 306	3,369,306	700	6,909,684
Gondola	" 600	6,516,952	—	—
Refrigerator	" 295	5,351,015	—	—
Tank	" 219	3,277,330	3	40,963
All other types	" 2,399	24,511,995	1,520	16,569,210
Cars, narrow gauge, for mines, quarries, etc.	" 150	72,150	—	—
Locomotives, diesel-electric, standard gauge, new	" 417	75,229,711	375	66,573,422
Castings, grey iron (sold)	ton 2,367	929,917	1,047	554,766
Forgings (sold) .....	...	15,730	—	—
Other parts for cars and locomotives .....	...	16,283,859	...	16,381,828
Repairs on freight cars .....	...	34,906,347	...	34,046,680
Repairs on passenger cars .....	...	13,950,896	...	12,812,584
Repairs on locomotives .....	...	24,354,133	...	20,352,492
Receipts from other customs and repair work .....	...	38,160,813	...	42,353,943
All other products .....	...	34,392,771	...	36,460,997
Totals of above items .....	...	305,499,917	...	273,130,981
Add value of work done during year on cars, etc., which were not complete at year-end .....	...	15,282,914	...	9,000,583
Totals .....	...	320,782,831	...	282,131,564
Deduct value of work done in previous years on cars, etc., completed during current year .....	...	24,821,581	...	15,263,464
Total value of production .....	...	295,961,250	...	266,868,100

TABLE 4. Materials Used in the Railway Rolling Stock Industry, 1958 and 1959

Material	1958		1959	
	Quantity	Cost at works \$	Quantity	Cost at works \$
Iron and steel:				
Pig iron	ton 2,878	180,996	2,550	154,464
Bars and rods, steel	" 20,517	2,941,733	14,482	2,338,430
Wire, steel	" 276	76,477	246	56,730
Plates, steel	" 52,987	7,822,033	40,921	5,930,444
Sheets—Plain	" 8,896	1,219,113	6,763	900,608
Galvanized	" 2,353	428,307	2,419	434,997
Strip, steel	" 1,366	191,692	234	41,572
Structural shapes, steel	" 32,697	4,513,881	22,563	3,150,716
Alloy steel	" ..	374,142	..	290,498
Scrap iron and steel	ton 106,364	4,319,677	114,441	4,282,890
Castings (rough and semi-finished received from foundry):				
Iron (gray and malleable)	" 5,190	1,814,038	4,328	1,411,820
Steel	" 15,515	6,036,055	6,538	3,268,100
Other iron and steel	" ..	2,396,186	..	2,597,212
Non-ferrous metals:				
Aluminum—Castings	lb. 104,511	67,358	109,251	59,533
Sheet	" 2,489,470	892,961	238,930	92,716
Other forms	" 80,275	51,666	41,977	42,035
Brass and bronze	" 7,179,999	3,779,760	5,165,480	2,865,133
Copper—Sheet	" 40,567	25,316	22,140	16,891
Wire	" 496	249	22	12
Other forms	" 250,540	106,373	161,383	85,616
Lead	" 39,426	10,737	318,006	44,709
Nickel	" 12,269	9,553	10,619	8,161
Tin	" 19,146	20,226	26,034	28,096
Zinc	" 277,046	68,399	72,907	23,161
Babbitt metal and solder	" 124,089	39,155	172,775	53,050
Other non-ferrous metals	" ..	53,914	..	52,510
Ferro-alloys .....	..	148,070	..	251,764
Other materials and supplies:				
Iron and steel pipe, tubes and fittings .....	..	2,659,784	..	2,232,097
Paints, oil and varnishes .....	..	1,045,546	..	946,519
Wheels .....	..	13,146,664	..	11,726,971
Springs .....	..	914,213	..	734,420
Other car and locomotive parts .....	..	53,020,940	..	40,086,181
Foundry coke	ton 16,936	564,139	18,106	627,210
Moulding sands	" 6,935	92,114	5,156	68,038
Core sands	" 1,791	16,590	1,658	13,022
Plumbago and graphite	lb. 47,575	5,692	67,535	7,441
Lumber	M bd. ft. 27,047	3,595,222	29,506	3,093,836
Firebrick and cupola blocks .....	..	77,700	..	61,702
Fireclay	ton 473	13,515	386	9,767
Core oil	Imp. gal. 3,493	3,979	2,046	2,203
All other materials .....	..	75,411,544	..	75,723,219
Totals .....	...	188,155,709	...	163,814,494

TABLE 5. Production of Railway Spikes, 1950-59

Year	Tonnage made	Tonnage sold	Income from sales
	tons		dollars
1950	16,168	16,053	1,776,991
1951	16,908	17,068	2,142,668
1952	17,240	16,950	2,396,596
1953	14,820	14,401	2,087,052
1954 .....	..	11,393	1,685,033
1955 .....	..	14,380	2,159,334
1956 .....	..	18,817	3,235,704
1957 .....	..	12,358	2,293,294
1958 .....	..	13,200	2,625,868
1959 .....	..	13,019	2,526,755

TABLE 6. Production of Railway Cars and Locomotives, 1950 - 59

Year	Standard railway cars		Locomotives	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1950	4,762	33,213,687	146	22,285,122
1951	10,613	75,428,547	267	41,893,150
1952	11,954	92,258,661	226	38,306,186
1953	8,464	85,879,182	260	42,259,233
1954	8,287	88,394,512	244	41,105,438
1955	3,736	27,821,586	362	59,692,536
1956	9,221	70,980,820	488	78,220,162
1957	10,475	98,665,682 ^r	521	94,417,333
1958	5,313	64,126,138	417	75,229,711
1959	3,585	40,370,183	375	66,573,422

TABLE 7. Production of Finished Rail Fastenings, 1950 - 59

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		\$
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
1953	50,181	50,202	5,530,240	14,939	14,159	1,754,308
1954	39,386	38,027	4,152,574	13,175	12,786	1,545,914
1955	66,856	67,683	7,272,282	15,582	16,812	1,986,547
1956	88,590	86,592	10,103,650	18,487	18,675	2,465,669
1957	78,555	80,575	10,148,065	17,022	16,793	2,502,295
1958	56,118	56,189	7,338,111	14,078	14,088	2,066,763
1959	70,376	70,351	8,970,082	14,853	14,818	2,212,917

TABLE 8. Principal Statistics classified according to Type of Ownership, 1958 and 1959

Type	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Gross selling value of products
	number			dollars	
1958					
Incorporated companies	29	22,374	87,953,769	188,155,709	295,961,250
Totals	29	22,374	87,953,769	188,155,709	295,961,250
1959					
Incorporated companies	29	20,248	83,680,309	163,814,494	266,868,100
Totals	29	20,248	83,680,309	163,814,494	266,868,100

TABLE 9. Principal Statistics of the Railway Rolling Stock Industry in Canada, grouped according to Size of Establishment, 1958 and 1959

Establishments reporting value of production	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Gross selling value of products
	number		dollars		
1958					
\$ 100,000 to \$ 199,999	1	41	157,057	551,714	790,847
200,000 " 499,999	2				
500,000 " 999,999	4	242	861,509	2,038,037	3,428,988
1,000,000 " 4,999,999	9	3,277	12,705,435	14,489,897	29,792,571
5,000,000 and over	13	18,814	74,229,768	171,076,061	261,948,844
Totals	29	22,374	87,953,769	188,155,709	295,961,230
1959					
\$ 100,000 to \$ 199,999	2	46	171,985	637,262	888,735
200,000 " 499,999	2				
500,000 " 999,999	3	254	1,032,809	1,345,924	2,504,318
1,000,000 " 4,999,999	10	3,195	13,623,110	15,142,507	31,474,321
5,000,000 and over	12	16,753	68,852,405	146,688,801	232,000,726
Totals	29	20,248	83,680,309	163,814,494	266,868,100

TABLE 10. Employees, Salaries and Wages in the Railway Rolling Stock Industry, by Provinces, 1958 and 1959

Province	Employees					Salaries	Wages	Total salaries and wages
	On salaries		On wages		Total			
	Male	Female	Male	Female				
	number					dollars		
1958								
Newfoundland, Nova Scotia and New Brunswick.....	201	9	1,839	6	2,055	953,039	6,887,875	7,840,914
Quebec	1,032	104	8,678	13	9,827	6,314,563	32,042,170	38,356,733
Ontario	857	174	3,555	15	4,601	5,762,260	14,472,414	20,234,674
Manitoba	280	3	3,931	—	4,214	1,375,161	14,277,989	15,653,150
Alberta and British Columbia	106	5	1,566	—	1,677	517,619	5,350,679	5,868,298
Totals	2,476	295	19,569	34	22,374	14,922,642	73,031,127	87,953,769
1959								
Newfoundland, Nova Scotia and New Brunswick	220	7	1,728	6	1,961	1,094,915	6,785,159	7,880,074
Quebec	1,028	84	8,033	16	9,161	6,482,918	30,715,465	37,198,383
Ontario	745	152	2,891	15	3,803	5,517,976	12,058,361	17,576,337
Manitoba	269	5	3,461	—	3,735	1,451,559	13,525,566	14,977,125
Alberta and British Columbia	111	5	1,472	—	1,588	575,072	5,473,318	6,048,390
Totals	2,373	253	17,585	37	20,248	15,122,440	68,557,869	83,680,309

TRANSPORTATION EQUIPMENT

TABLE 11. Production Workers, by Months, 1958 and 1959

Month	1958			1959		
	Male	Female	Total	Male	Female	Total
	number					
January	22,174	43	22,217	16,938	35	16,973
February	21,894	45	21,939	17,009	34	17,043
March	21,978	45	22,023	17,075	32	17,107
April	21,146	40	21,186	18,113	38	18,151
May	21,528	37	21,565	18,352	37	18,389
June	21,170	36	21,206	18,881	39	18,920
July	18,699	34	18,733	18,533	39	18,572
August	17,934	27	17,961	17,468	36	17,504
September	17,471	27	17,498	17,763	40	17,803
October	17,568	27	17,595	18,463	41	18,504
November	16,800	27	16,827	16,899	39	16,938
December	16,475	26	16,501	15,545	39	15,584
Averages	19,569	34	19,603	17,585	37	17,622

TABLE 12. Capital and Repair Expenditures in the Railway Rolling Stock Industry, 1955-59

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construc- tion	Machinery and equipment		Construc- tion	Machinery and equipment		
	thousands of dollars						
1955	1,691	2,270	3,961	3,715	6,240	9,955	13,916
1956	1,540	3,432	4,972	4,290	7,950	12,240	17,212
1957	4,026	4,240	8,266	4,758	8,859	13,617	21,883
1958	11,395	7,160	18,555	3,939	6,883	10,822	29,377
1959 ^P	7,537	9,179	16,716	3,488	6,558	10,046	26,762

TABLE 13. Fuel and Electricity Used in the Railway Rolling Stock Industry, 1958 and 1959

Kind		1958		1959	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal—From Canadian mines	ton	29,004	322,390	24,934	266,245
Imported	"	74,900	767,389	80,659	819,805
Anthracite coal	"	10,598	115,218	11,793	127,285
Lignite coal	"	87,898	168,197	84,341	165,022
Coke (for fuel only)	"	3,341	106,936	302	8,307
Gasoline (including gasoline used in cars or trucks)	Imp. gal.	216,814	69,623	193,729	58,209
Fuel oil (including kerosene or coal oil)	"	8,951,036	1,008,432	8,488,319	806,512
Wood	cord	63	425	102	687
Gas—Liquefied petroleum gases (propane etc.)	Imp. gal.	36,617	21,150	104,992	44,188
Manufactured	M.cu. ft.	25,146	26,354	5,083	5,856
Natural	"	270,655	92,940	271,007	90,543
Other fuel	"	...	36,928	...	30,307
Electricity purchased	kwh.	153,816,998	1,270,397	138,233,247	1,143,500
Totals .....		...	4,006,379	...	3,566,466
Electricity generated for own use	kwh.	758,000	—	274,730	—

TABLE 14. Imports and Exports of Specified Railway Equipment, 1958 and 1959

Item	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
Imports				
Railway cars:				
Box and flat	No. 46	79,383	80	123,861
Tank	" 49	300,276	40	86,037
Passenger	" 46	401,319	36	471,377
Other	" 469	628,789	466	621,407
Railway car parts .....	...	4,330,346	...	4,183,236
Motor rail cars or units for use on railways and chassis for same, and parts	No. 27	947,202	8	897,080
Railway locomotives	" 12	614,423	10	202,797
Locomotive chassis, tops, wheels and bodies	—	2,082,051	—	2,225,610
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. 131	2,430,746	73	1,271,925
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 .....	..	5,304	—	—
Steel wheels, other, for use on railway rolling stock .....	..	4,198,665	..	4,143,857
Tires of steel, in the rough, not drilled or machined in any manner, for railway vehicles	cwt. 1,557	23,326	1,672	20,356
Exports				
Railway cars and coaches, and parts	No. 153	1,400,493	108	907,744
Locomotives and parts	" 8	969,225	13	699,573

List of Firms in the Railway Rolling Stock Industry, 1959

Name	Location of works
Newfoundland:	
Canadian National Railway Company	St. John's
Nova Scotia:	
Canada Iron Foundries Limited	New Glasgow
Eastern Car Division of Dominion Steel and Coal Corp. Ltd.	Trenton
New Brunswick:	
Canadian National Railway Company	Moncton



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List of Firms in the Railway Rolling Stock Industry, 1959 — Concluded

Name	Location of works
Quebec:	
Canadian Car Company Limited	Ville St-Pierre
Canadian National Railway Company	Pointe St-Charles
Canadian Pacific Railway Company	Montreal
B.J. Coghlin Company Limited	3320 Ontario Street East, Montreal
Montreal Locomotive Works, Limited	1505 Dickson St., Montreal
Ontario:	
Buffalo Brake Beam Company	21 Dunbar Avenue, Hamilton
Canada Iron Foundries Limited	St. Thomas
Canadian Locomotive Co. Limited	140 Ontario Street, Kingston
Canadian National Railway Company	Florence Street, London
Canadian National Railway Company	256 Downie Street, Stratford
Canadian Pacific Railway Company	West Toronto
Canadian Westinghouse Co. Ltd.	286 Sanford Ave., Hamilton
Fairmont Railway Motors Limited	Montfair Ave., Toronto
General Motors Diesel Limited	Oxford Street, East, London
Hammant Car & Engineering Works Ltd.	29 Dunbar Avenue, Hamilton
Miller Lubricator Company of Canada Ltd.	332 West St. N., Napanee
National Steel Car Corporation Limited	Kenilworth Avenue North, Hamilton
The Sylvester Steel Products Company Limited	1 Victoria Avenue South, Lindsay
Manitoba:	
Canada Iron Foundries Limited	St. Boniface
Canadian National Railway Company	Fort Rouge
Canadian National Railway Company	Transcona
Canadian Pacific Railway Company	Winnipeg
Alberta:	
Canadian National Railway Company	Edmonton North
Canadian Pacific Railway Company	Calgary
British Columbia:	
Canadian Pacific Railway Company	Foot of Drake Street, Vancouver