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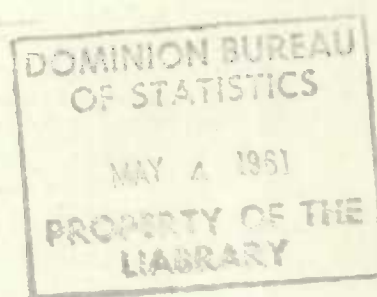
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ANNUAL



CANADA

# THE MOTOR VEHICLE PARTS 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

Catalogue number	Title	Price
42-201	Transportation Equipment — General Review (A) .....	.50
42-203	Aircraft and Parts Industry (A) .....	.50
42-204	Bicycle Manufacturing Industry (A) .....	.25
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65-004	Trade of Canada — Exports (M) .....	per year 7.50
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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.
- ° preliminary 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.<sup>1</sup>

### **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.

<sup>1</sup> 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 MOTOR VEHICLE PARTS INDUSTRY

1959

The Motor Vehicle Parts Industry is a division of the Transportation Group and statistics for the industry, as presented in this bulletin, cover only the factories which made metal parts and accessories as their chief products. Parts, such as tires, batteries, brake linings, etc., which were made in other industries, are not covered by this report except in the supplementary summary of the total output of parts from all industries (Table 5). Other automobile materials, such as lacquers, upholstering, etc., are not mentioned at all as the Bureau has no separate record of the output of these articles for automobile use. Data given in tables 1 to 4, 7 to 11 and 13, therefore, refer only to the manufacture of motor vehicle parts of iron and steel, while Table 5 summarizes the total production of parts of all kinds as specified separately on the Census of Industry reports. Table 6 is a special tabulation on trailers.

Two hundred and eleven establishments were included in the Motor Vehicle Parts Industry in 1959, distributed, by provinces, as follows: Ontario, 123; Quebec, 28; Alberta, 18; British Columbia, 18; Manitoba, 13; Nova Scotia, 5; New Brunswick and Saskatchewan with 3 each. Factory shipments from these plants were valued at \$323,420,389, an increase of 9.4 per cent from the \$295,741,107 reported in 1958.

In 1959 this industry afforded employment to a total of 18,885 people who were paid \$85,198,507 in salaries and wages, while in the previous year there were 18,132 workers with earnings of \$77,730,771.

Among the products made by firms in this industry were: automobile engines, bodies, differentials, transmissions, radiators, spark plugs, self-starters, axles, piston rings, wheels, laminated glass, trailers, springs, bumpers, tire valves, steering gears, hubs, lubricating systems, etc. Many of these parts were made by only one or two plants in Canada, so production figures for such items cannot be published separately. Table 3 shows output figures in as much detail as is possible for this industry.

Total production of specified parts and accessories from all industries, including tires, batteries, radios, etc., amounted to \$529,823,000 in 1959 compared with \$496,259,000 in 1958. Details are listed in Table 5.

**Note:** Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.



## TRANSPORTATION EQUIPMENT

TABLE 1. Principal Statistics of the Motor Vehicle Parts 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 works	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Gross selling value of products <sup>1</sup>
	number		dollars				
1929 .....	65	4,708	6,711,434	337,564	19,045,836	12,581,678	31,965,078
1932 .....	76	3,832	3,874,618	343,810	5,970,954	5,846,692	12,161,456
1937 .....	88	8,416	10,358,098	849,963	26,631,314	19,150,666	46,631,643
1939 .....	97	8,119	9,846,641	798,947	19,714,235	18,198,625	38,711,807
1942 .....	101	21,010	37,011,834	2,052,005	112,061,012	70,386,482	184,499,499
1946 .....	124	15,348	27,808,618	1,659,068	43,519,483	48,250,348	93,428,899
1949 .....	150	17,898	45,662,602	2,354,797	88,040,691	81,194,554	171,590,042
1955 .....	188	19,996	74,581,239	3,981,718	149,004,157	130,778,716	285,070,612
1956 .....	198	21,471	82,361,857	4,607,091	177,584,923	154,511,216	329,525,120
1957 .....	205	20,426	82,943,875	4,669,859	164,311,970	144,243,266	315,395,590
1958							
Nova Scotia .....	4	41	94,167	5,838	105,288	151,781	260,867
New Brunswick .....	2						
Quebec .....	30	457	1,580,643	103,023	2,609,410	2,801,062	5,531,411
Ontario .....	120	16,730	72,697,592	4,118,157	148,341,510	125,378,377	279,562,626
Manitoba .....	13	314	1,068,650	43,752	1,242,954	1,772,282	3,189,742
Saskatchewan .....	2	330	1,163,006	48,836	1,793,734	1,473,085	3,356,364
Alberta .....	18						
British Columbia .....	17	260	1,126,713	55,242	1,828,192	1,900,223	3,840,097
Canada .....	206	18,132	77,730,771	4,374,848	155,921,088	133,476,810	295,741,107
1959							
Nova Scotia .....	5	27	60,304	2,922	68,813	128,615	197,969
New Brunswick .....	3	16	36,584	4,373	16,441	90,393	93,363
Quebec .....	28	545	1,913,694	134,081	3,858,834	3,389,165	7,318,062
Ontario .....	123	17,218	79,268,733	4,207,721	163,554,548	141,791,017	303,657,942
Manitoba .....	13	384	1,226,595	53,971	1,624,184	2,351,435	3,880,816
Saskatchewan .....	3	57	138,150	3,886	206,032	572,928	681,348
Alberta .....	18	342	1,245,347	44,774	1,938,378	1,246,259	3,122,915
British Columbia .....	18	296	1,309,100	55,166	2,503,502	1,925,915	4,467,974
Canada .....	211	18,885	85,198,507	4,506,894	173,770,732	151,495,727	323,420,389

<sup>1</sup> See note to text.

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.

TABLE 2. Inventories,<sup>1</sup> 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Nova Scotia and New Brunswick .....	40,556	2,940	—	43,496
Quebec .....	567,153	188,077	76,915	832,145
Ontario .....	20,716,055	13,671,464	10,630,576	45,018,095
Manitoba .....	401,783	185,538	212,164	799,485
Saskatchewan and Alberta .....	353,191	19,344	203,458	575,993
British Columbia .....	361,162	86,785	146,635	594,582
Canada .....	22,439,900	14,154,148	11,269,748	47,863,796

See footnote at end of table.

TABLE 2. Inventories,<sup>1</sup> 1959 — Concluded

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Closing:				
Nova Scotia and New Brunswick .....	40,786	11,321	11,844	63,951
Quebec .....	621,886	227,016	101,994	950,896
Ontario .....	23,762,162	16,352,942	13,844,442	53,959,546
Manitoba .....	657,223	159,271	387,205	1,203,699
Saskatchewan and Alberta .....	660,224	35,642	395,154	1,091,020
British Columbia .....	404,635	79,176	170,853	654,664
Canada .....	26,146,916	16,863,368	14,911,492	57,923,776

<sup>1</sup> (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 Motor Vehicle Parts 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, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the changes mentioned above.

TABLE 3. Products Made in the Motor Vehicle Parts Industry, 1958 and 1959

Product	1958		1959	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
	No.	\$	No.	\$
Axles and axle shafts .....	..	3,996,654	..	6,476,692
Battery cables and ground straps .....	..	534,634	..	341,140
Bodies and cabs (see Table 5) .....	..	16,144,167	..	17,787,821
Brakes and parts .....	..	4,482,961	..	5,026,484
Bumpers and bumperettes .....	..	10,223,819	..	11,461,878
Hardware, automobile .....	..	4,706,599	..	3,071,396
Heaters (car and engine block) .....	..	2,634,192	..	3,369,478
Headlights and parts .....	..	2,852,500	..	3,016,058
Oil filters and elements .....	..	6,304,508	..	7,258,848
Pistons .....	..	1,211,878	..	1,459,530
Piston rings .....	19,788,893	3,028,105	13,398,765	3,387,605
Radiators, complete .....	241,632	3,653,169	277,761	4,445,635
Radiator cores .....	..	1,798,620	..	2,028,317
Spark plugs .....	31,668,303	9,256,510	34,110,290	10,229,449
Springs, auto chassis (flat and coil) .....	..	8,026,140	..	10,000,092
Other automobile parts <sup>1</sup> .....	..	150,647,413	..	158,688,124
Trailers (see Table 6) .....	..	28,880,965	..	32,464,867
Received from custom work and repairs .....	...	5,896,470	...	5,642,223
All other products <sup>2</sup> .....	...	31,461,803	...	37,264,752
Totals .....	...	295,741,107	...	323,420,389

<sup>1</sup> Includes products reported by less than 3 firms, such as engines, ignition coils, differentials, transmissions, wheels, windshields, steering gears, clutches, generators, distributors, etc.

<sup>2</sup> Includes iron castings, chain, oil burners, electric motors, etc.

Note: Data given in the above table are for the Motor Vehicle Parts Industry, which includes only the concerns that manufactured metal auto parts as their chief products. Figures for the individual items do not necessarily represent the total output for Canada as there may also have been an output by concerns classified to other industrial groups. For totals for Canada see Table 5.



TABLE 4. Materials Used in the Motor Vehicle Parts Industry, 1958 and 1959

Material	1958		1959		
	Quantity	Cost at works	Quantity	Cost at works	
	No.	\$	No.	\$	
Iron and steel:					
Castings:					
Iron .....	ton	8,094	2,441,896	9,926	2,961,958
Steel .....	"	3,887	696,260	6,867	1,252,355
Pig iron .....	"	28,379	1,807,177	31,552	2,009,802
Bars and rods, steel .....	"	37,252	6,756,765	43,390	7,394,735
Plates, steel .....	"	14,096	2,380,718	11,702	2,102,187
Sheets:					
Black .....	"	38,537	5,961,950	52,339	7,780,436
Galvanized .....	"	6,091	1,037,167	6,560	1,103,550
Tinplate .....	"	472	92,885	984	194,427
Strip, steel .....	"	19,240	3,324,730	23,482	4,032,386
Structural shapes .....	"	7,314	1,203,511	8,811	1,445,278
Wire .....	"	3,361	710,770	4,124	931,464
Alloy steel in all forms:					
Stainless:					
Billets, bars and rods .....	..	..	416,289	..	47,084
Other .....	..	..	1,130,956	..	1,166,093
Other alloy and tool steel (including carbon, alloy and high speed steels):					
Billets, bars and rods .....	..	..	5,667,346	..	7,292,261
Other .....	..	..	382,159	..	558,725
Scrap iron and steel .....	ton	57,412	2,453,741	64,470	2,726,199
Iron and steel pipe, tubing and fittings .....	..	..	2,438,850	..	2,348,917
Other iron and steel .....	..	..	4,936,308	..	4,497,936
Ferro-alloys .....	..	..	212,182	..	251,441
Non-ferrous metals:					
Aluminum:					
Castings .....	pound	948,780	528,492	796,390	526,987
Sheet .....	"	2,505,949	1,157,753	3,102,405	1,506,140
Other forms .....	"	3,273,170	968,987	4,289,844	1,387,099
Brass and bronze .....	"	6,643,025	2,461,953	7,632,881	3,212,576
Copper:					
Sheet .....	"	1,425,753	603,868	1,347,232	626,463
Wire .....	"	3,906,648	1,803,923	4,335,562	2,066,470
Other forms .....	"	1,772,303	821,076	2,203,838	1,104,982
Lead .....	"	104,014	17,229	98,006	17,467
Nickel .....	"	828,335	656,874	1,298,555	1,001,952
Tin .....	"	73	85	21	23
Zinc .....	"	2,780,102	495,529	2,282,240	423,873
Babbitt metals and solders .....	"	997,816	422,683	1,172,343	492,034
Other non-ferrous metals .....	...	...	28,867	...	10,444
Other materials:					
Paints, oils and varnishes .....		...	815,853	...	727,602
Foundry coke for cupola use .....	ton	13,479	430,113	14,369	474,693
Foundry sands .....	"	24,149	73,817	26,841	85,279
Plumbago and graphite .....	pound	243,560	21,732	219,100	17,906
Lumber .....	M ft. b.m.	15,321	2,091,155	12,056	1,647,051
Firebrick and cupola blocks .....	..	..	24,751	..	34,368
Fireclay .....	..	..	56,231	..	61,908
Core oil .....	Imp. gal.	66,926	65,740	74,179	72,870
Shipping containers .....	..	..	1,762,943	..	1,781,155
Sulphuric acid, 100% .....	pound	290,456	9,667	303,026	9,892
All other material <sup>1</sup> .....	...	...	96,550,107	...	106,384,264
Totals .....	...	...	155,921,088	...	173,770,732

<sup>1</sup> No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$300,000. The total estimated value of materials used by these firms was \$3,564,066, and this amount is included in "All other material."



**TABLE 5. Factory Shipments of Specified Motor Vehicle Parts and Accessories, (from All Industries) 1958 and 1959**

Note: Figures given in this table represent the total reported Canadian factory shipments of the commodities listed, regardless of the industry in which produced.

Item	1958		1959	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Axles and axle shafts .....	..	3,997,000	..	6,477,000
Batteries, storage (for autos) .....	2,216,280	21,149,000	2,420,938	22,440,000
Truck bodies and cabs:				
Dump bodies (steel and aluminum, all types and sizes) ..	3,743	2,994,000	3,193	2,896,000
Hydraulic hoists (sold without bodies) .....	4,337	1,886,000	5,506	2,655,000
Tailgate loaders (all sizes and types) .....	212	173,000	209	140,000
Stake bodies, grain bodies and cattle bodies .....	2,572	1,165,000	3,010	1,321,000
Rear unit truck van bodies (steel and aluminum) .....	775	1,005,000	948	1,179,000
Delivery bodies (dairy, parcel etc., steel and aluminum) ..	1,495	2,054,000	1,896	2,600,000
Bus bodies .....	900	2,668,000	1,157	3,414,000
Tank bodies for trucks, all types .....	772	4,311,000	1,048	4,074,000
Utility and service bodies (including tire and tow truck) ..	1,009	998,000	738	1,285,000
All other bodies .....	..	1,585,000	..	1,816,000
Brakes and parts .....	..	5,283,000	..	5,961,000
Brake linings, asbestos .....	..	3,705,000	..	4,401,000
Bumpers and bumperettes .....	..	10,224,000	..	11,462,000
Cable and wire assemblies .....	..	2,779,000	..	2,900,000
Chains, tire .....	..	1,561,000	..	2,164,000
Clutches .....	..	1	..	1
Clutch facings, asbestos .....	..	782,000	..	1,037,000
Coils, ignition .....	..	1	..	1
Differentials .....	..	1	..	1
Distributors .....	..	1	..	1
Engines .....	..	1	..	1
Engine valves .....	..	1	..	1
Fan belts, rubber .....	1,738,158	1,253,000	2,512,363	1,954,000
Generators .....	..	1	..	1
Glass, laminated, etc. ....	..	1	..	1
Hardware, auto .....	..	7,225,000	..	6,117,000
Heaters, auto and engine, and defrosters .....	..	2,891,000	..	3,771,000
Headlights and parts .....	..	2,852,000	..	3,016,000
Hub and drum assemblies .....	..	1	..	1
Lubricating systems .....	..	1	..	1
Mufflers .....	..	1	..	1
Oil filters and elements .....	..	6,305,000	..	7,259,000
Pistons .....	..	1,212,000	..	1,460,000
Piston rings, expanders, etc. ....	..	3,108,000	..	3,388,000
Propeller drive shafts and universal shafts .....	..	1	..	1
Radiators, complete .....	242,000	3,653,000	277,761	4,446,000
Radiator cores .....	..	1,799,000	..	2,028,000
Radios for automobiles .....	231,000	7,740,000	234,708	7,263,000
Shock absorbers .....	..	1	..	1
Spark plugs .....	31,668,000	9,257,000	34,110,290	10,229,000
Springs, chassis .....	..	8,026,000	..	10,000,000
Starters .....	..	1	..	1
Steering gear assemblies .....	..	1	..	1
Tie rods .....	..	1	..	1
Tires (casings and tubes) .....	..	161,870,000	..	169,757,000
Tire flaps and tire flap material .....	..	469,000	..	129,000
Tire valves and parts .....	..	1	..	1
Transmissions .....	..	1	..	1
Wheels .....	..	1	..	1
Windshields .....	..	1	..	1
Windshield wipers .....	..	1	..	1
Parts (service) made in automobile factories .....	..	30,915,000	..	29,990,000
Other auto parts and supplies, not specified as to kind .....	..	55,622,000	..	55,660,000
Value of products reported by only 1 or 2 firms as indicated above .....	..	123,437,000	..	135,134,000
<b>Totals .....</b>	<b>...</b>	<b>496,259,000</b>	<b>...</b>	<b>529,823,000</b>

<sup>1</sup> Indicates that the production figures cannot be published separately as the commodity was reported by only 1 or 2 plants.

TABLE 6. Factory Shipments of Trailers, (from All Industries) 1958 and 1959

Type	1958		1959	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Cabin or house type .....	3,776	11,789,358	3,518	10,416,490
Commercial semi-trailers:				
Stake type .....	916	4,227,453	1,297	6,639,515
Van type .....	1,374	9,234,944	1,491	11,037,560
Lowbed type .....	180	1,181,571	210	1,288,317
Logging type .....	80	473,716	130	796,651
Tank type .....	202	2,063,224	221	2,507,902
Dump type .....	200	1,005,046	250	1,470,552
Pole trailers .....	35	155,773	33	92,408
Boat trailers .....	7,233	781,928	11,761	1,356,871
All other trailers .....	..	841,035	..	2,312,067

TABLE 7. Principal Statistics of the Motor Vehicle Parts Industry, classified according to Type of Ownership, 1958 and 1959

Type	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
1958						
Individual ownership .....	30	186	506,654	25,941	731,411	1,522,003
Partnerships .....	10	74	232,965	11,384	507,428	898,742
Incorporated companies .....	166	17,872	76,991,152	4,337,523	154,682,249	293,320,362
Totals .....	206	18,132	77,730,771	4,374,848	155,921,088	295,741,107
1959						
Individual ownership .....	26	153	425,642	23,743	690,868	1,424,274
Partnerships .....	10	91	258,539	12,233	891,345	1,404,100
Incorporated companies .....	175	18,641	84,514,326	4,470,918	172,188,519	320,592,015
Totals .....	211	18,885	85,198,507	4,506,894	173,770,732	323,420,389

TABLE 8. Principal Statistics of the Motor Vehicle Parts Industry, grouped according to Value of Factory Shipments, 1958 and 1959

Establishments reporting a value of factory shipments	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
1958						
Under \$10,000 .....	6	14	31,112	2,118	14,132	49,372
\$ 10,000 to \$ 24,999 .....	11	30	73,752	4,910	78,378	171,987
25,000 " 49,999 .....	21	96	274,661	17,009	285,855	739,728
50,000 " 99,999 .....	23	214	677,557	34,405	751,185	1,661,029
100,000 " 199,999 .....	33	478	1,619,472	88,560	1,995,919	4,472,446
200,000 " 499,999 .....	34	851	3,000,538	145,605	5,459,059	10,649,961
500,000 " 999,999 .....	23	1,190	4,684,288	202,880	8,113,358	15,630,525
1,000,000 " 4,999,999 .....	43	5,485	22,011,118	1,042,671	44,043,909	86,404,605
5,000,000 and over .....	12	9,731	45,098,544	2,836,690	95,179,293	175,961,454
Head offices .....	—	43	259,726	—	—	—
Totals .....	206	18,132	77,730,771	4,374,848	155,921,088	295,741,107



**TABLE 8. Principal Statistics of the Motor Vehicle Parts Industry, grouped according to Value of Factory Shipments, 1958 and 1959 - Concluded**

Establishments reporting a value of factory shipments	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
<b>1959</b>						
Under \$10,000 .....	7	10	24,930	1,100	12,693	39,920
\$ 10,000 to \$ 24,999 .....	16	44	112,838	6,387	126,781	298,996
25,000 " 49,999 .....	19	86	235,208	19,264	252,565	663,569
50,000 " 99,999 .....	23	198	623,685	37,293	744,613	1,619,211
100,000 " 199,999 .....	29	483	1,623,242	86,692	2,023,221	4,433,587
200,000 " 499,999 .....	36	870	3,048,494	155,835	6,556,290	11,554,468
500,000 " 999,999 .....	22	1,148	4,528,225	179,043	7,796,161	15,773,511
1,000,000 " 4,999,999 .....	46	5,835	23,717,249	983,324	50,319,536	95,712,620
5,000,000 and over .....	13	10,211	51,284,635	3,037,956	105,938,872	193,324,507
<b>Totals</b> .....	<b>211</b>	<b>18,885</b>	<b>85,198,507</b>	<b>4,506,894</b>	<b>173,770,732</b>	<b>323,420,389</b>

**TABLE 9. Capital and Repair Expenditures in the Motor Vehicle Parts Industry, 1955 - 59**

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1955 .....	1,104	5,293	6,397	837	5,811	6,648	13,045
1956 .....	3,479	5,784	9,263	926	6,424	7,350	16,613
1957 .....	3,222	7,667	10,889	1,050	6,553	7,603	18,492
1958 .....	1,258	3,466	4,724	895	5,515	6,410	11,134
1959 <sup>P</sup> .....	2,428	5,510	7,938	1,136	6,501	7,637	15,575

**TABLE 10. Employees and their Earnings in the Motor Vehicle Parts Industry, 1958 and 1959**

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1958								
Quebec .....	67	18	352	20	457	400,287	1,180,356	1,580,643
Ontario .....	2,910	962	11,102	1,756	16,730	21,164,107	51,533,485	72,697,592
Manitoba .....	59	16	210	29	314	342,034	726,616	1,068,650
Alberta .....	46	22	247	6	321	299,273	829,551	1,128,824
British Columbia .....	56	11	193	—	260	351,872	774,841	1,126,713
Other provinces .....	11	3	36	—	50	39,962	88,387	128,349
Canada .....	3,149	1,032	12,140	1,811	18,132	22,597,535	55,133,236	77,730,771
1959								
Quebec .....	71	18	421	35	545	449,677	1,464,017	1,913,694
Ontario .....	2,923	928	11,428	1,939	17,218	21,794,151	57,474,582	79,268,733
Manitoba .....	61	20	260	43	384	375,803	850,792	1,226,595
Alberta .....	43	21	271	7	342	264,556	980,791	1,245,347
British Columbia .....	57	11	228	—	296	358,586	950,514	1,309,100
Other provinces .....	17	2	79	2	100	60,790	174,248	235,038
Canada .....	3,172	1,000	12,687	2,026	18,885	23,303,563	61,894,944	85,198,507

TABLE 11. Production Workers by Months, 1959

Month	Establishments reporting monthly detail <sup>1</sup>	
	Male	Female
January .....	12,552	2,201
February .....	12,658	2,135
March .....	13,129	2,137
April .....	13,485	2,153
May .....	13,674	2,190
June .....	13,569	2,078
July .....	10,654	1,319
August .....	11,215	1,684
September .....	12,615	1,936
October .....	12,503	2,035
November .....	8,964	1,751
December .....	12,234	1,965
Average for establishments reporting monthly detail .....	12,266	1,976
Average estimated for small establishments <sup>2</sup> .....	421	50
Average for all establishments .....	12,687	2,028

<sup>1</sup> The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$300,000 and over.

<sup>2</sup> For establishments generally reporting value of shipments of less than \$300,000, no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll which was then used in conjunction with estimated average earnings to arrive at number of workers.

TABLE 12. Imports and Exports of Specified Motor Vehicle Parts, 1958 and 1959

	1958	1959
	dollars	
Imports		
Parts of bodies for motor buses, electric trackless trolley buses, motor ambulances and hearses, as enumerated in tariff, item 4381 .....	5,684,630	6,928,070
Front and rear axles, brakes, clutches, steering gears, magnetos, rims for pneumatic tires, transmission assemblies, drive shafts, universal joints, steel road wheels and parts, of a class or kind not made in Canada, all for the manufacture of motor trucks, buses and trackless trolley buses or for the manufacture of chassis for same .....	17,891,096	29,445,031
Automobile parts, n.o.p. ....	216,949,877	252,222,457
Automobile and motor vehicle engines, stripped, n.o.p., and complete parts thereof, n.o.p. ....	11,956,598	11,691,112
Engines, internal combustion, and parts, of a class not made in Canada, for the manufacture of motor trucks and motor truck chassis .....	8,006,288	14,099,296
Annular ball bearings and parts, for the manufacture of motor vehicles ....	3,458,052	4,101,691
Asbestos brake linings for automobiles, motor vehicles and chassis .....	503,086	811,631
Asbestos clutch facings for automobiles, motor vehicles and chassis .....	324,907	364,443
Exports		
Automobile parts:		
Canadian-made .....	13,085,760	16,655,473
Foreign-made .....	2,425,296	2,294,928



TABLE 13. Fuel and Electricity Used in the Motor Vehicle Parts Industry, 1959

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: <sup>1</sup>		
Bituminous coal:		
(a) From Canadian mines .....	ton 3,747	41,720
(b) Imported .....	" 60,051	630,183
Anthracite coal .....	" 71	1,378
Lignite coal .....	" 69	595
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal. 593,392	217,742
Fuel oil including kerosene or coal oil .....	" 6,158,953	702,269
Wood .....	cord 29	314
Gas (a) Liquefied petroleum gases .....	Imp. gal. 164,373	30,455
(b) Other manufactured gas .....	Mcf. 25,321	30,251
(c) Natural gas .....	" 464,082	418,900
Other fuel .....	" ..	13,807
Electricity purchased .....	kwh. 226,720,031	2,233,339
Steam purchased .....	" ..	61,148
2. Estimate for establishments for which no data were collected: <sup>2</sup>		
Cost of fuel and electricity .....	...	124,793
3. All establishments:		
Total cost of fuel and electricity .....	...	4,506,894

<sup>1</sup> Establishments generally reporting value of shipments of \$300,000 and over.<sup>2</sup> Establishments generally reporting value of shipments of less than \$300,000.

## List of Firms in the Motor Vehicle Parts Industry, 1959

Name	Address
<b>Nova Scotia:</b>	
Kemp Craft Ltd. ....	Dartmouth
Middle West Pubnico Builders .....	Middle West Pubnico
N.S. Body Building & Paint Works .....	166 Almon, Halifax
Rolling Homes Ltd. ....	Deep Brook
Wilson Truck Body Shop .....	Truro
<b>New Brunswick:</b>	
Beaver Battery & Electric Mfg. Co. Ltd. ....	Hanwell Rd., Fredericton
Colpitts, W.R., Ltd. ....	Moncton
Saint John Spring Works .....	81 Thome Ave., Saint John
<b>Quebec:</b>	
Altruck Ltd. ....	839 Tashereau Blvd., Ville Jacques Cartier
Armstrong Beverly Engineering Ltd. ....	6975 Jeanne Mance St., Montreal
Atlas Hoist & Body Inc. ....	874 Wellington St., Montreal
Auto Radiator Mfg. Limited .....	930 Plessis St., Montreal
Automotive Spring Mfg. Co. Ltd. ....	1409 William St., Montreal
Corbell, J.H. ....	St. Lin
Dorchester Body Enr. ....	Ste. Clair
Eastern Spring Service .....	503 rue Meese, Montreal
Economy Carburetor Co. Ltd. ....	4232A Hogan St., Montreal
Electric & Gas Welding Co. Ltd., The .....	5701 de Normanville St., Montreal
Everite Automotive Radiators Ltd. ....	995 St. Dominique St., Montreal
Fleet Truck Bodies Inc. ....	5760 Garnier St., Montreal
Farrell Mfg. Co. ....	1843 St. Antoine, Montreal
Fleurent, Paul Emile .....	2720 Ruelle Ontario, Montreal
Gardner Trailer Limited .....	8650 Jeanne Mance St., Montreal
Giard Ltée .....	5474 St. Hubert St., Montreal
Heatex Limited .....	740 St. Maurice St., Montreal
Ideal Body Ltd. ....	225 Blvd. St. Sacrement, Quebec
Lacoste Enrg. ....	3550 Est Jarry, Ville St. Michel
Lafond, F.X., Enrg. ....	3701 St. James St. W., Montreal
Lefebvre, Emile .....	St. Leonard de Pont Maurice
Portelance, S., Enrg. ....	42 Ste. Anne St., Point Claire

## List of Firms in the Motor Vehicle Parts Industry, 1959 - Continued

Name	Address
<b>Quebec - Concluded:</b>	
Specialloid (Canada) Ltd.	29 Oka Road, St. Eustache
Trailer Equipment Ltd.	826 Galt, Verdun
Truck Body Builders & Repairs Ltd.	1437 St. Louis, St. Laurent
Truck Tank Service Co.	4255 Paul Pau, Montreal
Western Filters Limited	372 boul. Ste-Croix, Montreal
William, Denis	St. Hilaire Village
<b>Ontario:</b>	
Aimco Auto Parts Co.	319 Dufferin St., Toronto
Algoma Mfg. Tool & Die Ltd.	177 King St. W., Oshawa
American Coleman of Canada Ltd.	955 Weston Rd., Toronto
Appleby, D., & Company	18 Ingram Drive, Toronto
Atom-Otive Products	131 McCormack, Toronto
Back, L., & Co. Ltd.	159 De Grassie St., Toronto
Banner Metal Products Ltd.	1696 Kildare Rd., Windsor
Beauchamp Truck Bodies	Hurdman's Bridge, Ottawa
Bendix-Eclipse of Canada Limited	1473 Argyle Rd., Windsor
Berg Mfg. (Canada) Ltd.	83 St. Patrick St., Toronto
Bilrite Mobile Homes	R.R. No. 1, Sarnia
Blackstone Industries Products Ltd.	533 Romeo St., Stratford
Brantford Coach and Body Limited	22 Mohawk St., Brantford
Brighton Fabricators	Richardson St., Brighton
Canadian Acme Screw & Gear Limited	207 Weston Rd., Toronto
Canadian Blue Bird Coach Ltd.	Brantford
Canadian Motor Lamp Co., Ltd.	2429 Seminole St., Windsor
Canadian Radiator Mfg. Company Ltd.	267 Niagara St., Toronto
Canadian Trailmobile Ltd.	807 Pharmacy, Scarborough
Canasco Products Ltd.	121 Howden Rd., Scarborough
Canmor Body & Trailer Co. Ltd.	70 Grand Ave., Toronto
Carrick's Auto Spring Repairs	2002 Dundas St. W., Toronto
Champion Spark Plug Co. of Canada Limited	1624 Howard Ave., Windsor
Clevite Limited, The	1177 Talbot St., St. Thomas
Comco Stampings Ltd.	Uxbridge
Coulter Manufacturing Ltd.	30 Richmond St. W., Oshawa
Cozens Spring Service & Mfg. Co., Limited	157 Queen St. E., Toronto
Dearborn Steel Tubing Co. (Canada) Ltd.	85 Newgate, Goderich
Dill Manufacturing Company of Canada Limited, The	103 Bathurst St., Toronto
Doerr, Geo. C., Truck & Trailer Co.	229 Breithaupt St., Kitchener
Dominion Auto Accessories Ltd.	420 Keele St., Toronto
Dominion Cable & Automotive Products	217-225 Richmond St. W., Toronto
Donaldson Company (Canada) Ltd.	277 William St. S., Chatham
Eaton Automotive Canada Limited	450 Highbury Ave., London
Elcombe Engineering Limited	3327 Russell St., Windsor
Electric Auto-Lite Limited	704 Mara St., Point Edward
Electroline Mfg. Co. Ltd.	1305 Windsor Ave., Windsor
Electronic Components Ltd.	Plastics Ave., Etobicoke
Essco Stamping Products Ltd.	444 Hanna St. E., Windsor
Essex Wire Corporation Limited	1664 Windsor Ave., Windsor
Fabricated Metals & Stampings Ltd.	249 Toronto Ave., Oshawa
Felder Truck Body & Trailer Co.	537 Frederick, Kitchener
Fleetwood Metal Industries	1801 Walker Rd., Windsor
Fleet Line Products	380 Main St. South, Waterford
Foreman Tank & Welding Co. Ltd.	Junction Rd., R.R. No. 5, St. Mary's
Fram Canada Ltd.	Romeo St. S., Stratford
Fruehauf Trailer Co. of Canada Ltd.	2450 Stanfield Rd., Dixie
General Coach Works of Canada Ltd.	Hensall
General Motors of Canada Limited	1487 Walker Rd., Windsor
Glasslyner Mufflers Ltd.	Elmira
Glendale Mobile Homes Ltd.	Queen St., Strathroy
Goodwin Glass Industries Ltd.	1052 Wyandotte St. W., Windsor
Hastings Ltd.	390 Birchmount Rd., Toronto
Hayes Steel Products Limited	Merritt St., Merriton
Highway Trailers of Canada Ltd.	77 Queen St. N., Etobicoke
Hiller Mfg. Co. Ltd.	2375 Edna, Windsor
Hollywood Homes (Windsor) Ltd.	4100 Sandwich St. W., Windsor
Houdaille Industries Ltd.	Wolfe & Simcoe St., Oshawa
Howe, William, Industries Ltd.	1358 Windsor Ave., Windsor
Huron Steel Products Co. Ltd.	3710 Peter St., Windsor
Ingersoll Machine & Tool Co., Limited	King St. W., Ingersoll
International Formed Tubes Ltd.	111 Manville Rd., Scarborough
K.C.K. Mfg. Co. Ltd.	108 McDougall, Windsor
Karco Co. Ltd., The	938 Walker Rd., Windsor
Kelsey Wheel Co. Ltd.	309 Ellis Ave. E., Windsor



## List of Firms in the Motor Vehicle Parts Industry, 1959 - Continued

Name	Address
<b>Ontario - Concluded:</b>	
Kralinator Limited .....	Montrose St., Preston
Long Manufacturing Co., Limited .....	362 Kerr St. N., Oakville
Maple Leaf Metal Products Ltd. ....	2531 McDougall St., Windsor
Maple Leaf Metal Products Ltd. ....	Forest
McCord Corporation .....	890 Walker Road, Windsor
McGinness, H.B., Limited .....	Lansdowne St. East, Peterborough
McKinnon Industries Limited, The .....	Ontario St., St. Catharines
McQuay-Norris Mfg. Co. of Canada Ltd. ....	Ray and Goddard Aves., Toronto
Mid-States of Canada Ltd. ....	Ingersoll
Monahan Supply Corp. Ltd. ....	191 Queen St. E., Toronto
Monroe-Acme Ltd. ....	207 Weston Rd., Toronto
Morco Products Co. ....	2 Joseph St., Kingston
Muffler Corporation of Canada Ltd. ....	406 Comstock Rd., Scarborough
National Auto Radiator Mfg. Co. Ltd. ....	2575 Airport Rd., Windsor
National Tubular Products Ltd. ....	Glencoe
Nelmor Corporation (Canada) Ltd. ....	1480 Lakeshore Rd., Toronto
Nobel, R., & Sons .....	Shallow Lake
Ontario Steel Products Co. Ltd., Division "C" .....	105 St. George St., Chatham
Ontario Steel Products Co. Ltd. ....	Ritson Road, Oshawa
Ontario Steel Products Co. Ltd. ....	Milton
Ontario Truck Body Co. ....	31 Alexander, Newmarket
Oshawa Engineering & Welding Co. Ltd. ....	25 Albert St., Oshawa
Perfect Circle Company Ltd., The .....	888 Don Mills Rd., Don Mills
Perfection Automotive Products (Windsor) Ltd. ....	3766 Peter St., Windsor
Phil Wood Industries of Canada Limited .....	857 Tecumseh Rd. E., Windsor
Precision Automotive Co. Ltd. ....	42 Duchess St., Toronto
Purolator Products (Canada) Ltd. ....	320 Kipling Ave. S., Toronto
S.K.D. Manufacturing Ltd. ....	Amherstburg
Sales, A.J., Company Limited .....	Erie St., Ridgetown
Schrader's, A., Son .....	334 King St. E., Toronto
Sealed Power Corporation of Canada Limited .....	182 King St., Stratford
Sehl Engineering Co. ....	136 Ottawa St. S., Kitchener
Smith Bros. Motor Bodies Ltd. ....	173 Bartley Drive, Toronto
St. Catharines Auto Bodies Ltd. ....	207 St. Paul St. W., St. Catharines
Steadco Truck Bodies Limited .....	2542 Wharton Glen Ave., Summerville
Stewart-Warner Alemite Corporation of Canada Limited .....	MacDonald Ave., Belleville
Sturdy Truck Body Mfg. Co. ....	196 River Rd. W., Kitchener
Swartz, S., & Sons .....	106 Grange Ave., Toronto
Tamco Limited .....	LaSalle
Tecumseh Metalcraft Ltd. ....	6500 Tecumseh E., Windsor
Ted's Homes Ltd. ....	R.R. # 1, North Bay
Thompson Products Ltd. ....	37 Louth St., St. Catharines
Tipping Truck Bodies .....	Tottenham
Toon, L. & Associates .....	4 Elrose, Weston
Trico Products Corporation .....	Dominion Rd., Fort Erie
Trim Trends Canada Ltd. ....	Ajax
Truck Engineering Limited .....	165 Wellington St. S., Woodstock
Twentieth Century Mobile Homes Ltd. ....	P.O. Box 72, London
Van Wilson Limited .....	Howard Rd., Burlington
Warner Gear Company Limited .....	325 Devonshire Rd., Windsor
Watson Spring Co. Ltd. ....	370 King St. E., Toronto
Weatherhead Company of Canada Ltd., The .....	121 Inkerman St., St. Thomas
Welles corporation Ltd. ....	2650 Metcalfe, Windsor
Westeel Products Ltd. ....	940 Warden Ave., Scarborough
Wilson Motor Bodies Limited .....	1466 Lakeshore Rd., Long Branch
Wix Corporation Ltd. ....	25 Curity Ave., Toronto
Wrigley Steel Co. of Canada Ltd. ....	1573 McDougal, Windsor
Zenith Welding Ltd. ....	965 Walker Rd., Windsor
<b>Manitoba:</b>	
Automotive Accessory Co. Ltd. ....	1551 Erin, Winnipeg
Brandon Body Works Ltd. ....	9th St. & Southern Ave., Brandon
Carter, James B., Ltd. ....	421 Mulvey Ave., Winnipeg
Chalmers Auto Truck & Body Works Ltd. ....	349 Nairn Ave., Winnipeg
Elias, Thomas, Mfg. Co. Ltd. ....	1061 Notre Dame Ave., Winnipeg
Flatt's Truck & Trailer Body Works .....	274 Talbot St., Winnipeg
Lawrie Wagon & Carriage Co. Ltd., The .....	583 Wall St., Winnipeg
Lindale Mobile Homes .....	1960 Main, Winnipeg
Manitoba Auto Spring Works .....	175 Fort St., Winnipeg
Rambler Trailers .....	702 Scotland Ave., Winnipeg
Redlick Trailer Co. Ltd. ....	P.O. Box 760, Brandon
Richardson Manufacturing Co. Ltd. ....	666 Arlington St., Winnipeg
Sangster's Wagon & Body Works Ltd. ....	100 Higgins Ave., Winnipeg



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## TRANSPORTATION EQUIPMENT

## List of Firms in the Motor Vehicle Parts Industry, 1959 - Concluded

Name	Address
<b>Saskatchewan:</b>	
Estevan Industries Ltd. ....	Airport Hangar # 5, Estevan
Modern Spring Works Ltd. ....	331 Avenue A South, Saskatoon
Yackel Hoist Co. Ltd. ....	Yorkton
<b>Alberta:</b>	
Armand Truck and Body Works .....	11919 - 72nd St., Edmonton
Belmont Body Works .....	12517 - 72nd St., Edmonton
Economy Filter Works .....	1219 - 9th Ave. E., Calgary
Edmonton Auto Spring Works Ltd. ....	Jasper Ave. and 95th St., Edmonton
Edmonton Truck Body Ltd. ....	7650 - 121st. Ave., Edmonton
Forest Lawn Truck Body Work .....	4921 - 17th Ave. S.E., Forest Lawn
Hay & Harding, Limited .....	108 - 2nd Ave. W., Calgary
Lethbridge Body Works .....	1801 - 3rd Ave. S., Lethbridge
Lethbridge Spring & Axle Shop Ltd. ....	402 - 4th St. S., Lethbridge
Master-Craft Trailer Co. ....	1430 - 9th Avenue East, Calgary
Nordheimer Spring Service Co. Ltd. ....	10960 - 101 St., Edmonton
Peerless Motor Products Ltd. ....	6110 - 1A St. S.W., Calgary
Perfection Machine Works Ltd. ....	419 - 34th Ave. S.E., Calgary
Roadway Industries Ltd. ....	6925 - 103rd St., Edmonton
Standen's Limited .....	24th Ave. & 2nd St. S.E., Calgary
Success Automatic Land Leveller Co. Ltd. ....	Medicine Hat
Sunnyside Auto Body Works .....	1014 - 4th Ave. N.W., Calgary
Watson Industries (Alberta) Ltd. ....	Claresholm
<b>British Columbia:</b>	
A.C. Radiator Distributors Ltd. ....	1225 E. Pender, Vancouver
Centre Mfg. Co. ....	401 E. Georgia, Vancouver
Collins Mfg. Co. Ltd. ....	3810 - E. 1st Ave., Burnaby
Columbia Trailer Co. Ltd. ....	1475 Howe St., Vancouver
Commercial Body Builders Ltd. ....	539 W. 8th Ave., Vancouver
Cords Piston Ring Co. of Canada Ltd. ....	834 Johnson St., Victoria
Custom Engineering Ltd. ....	896 New River Rd., Richmond
Dendoff Springs Ltd. ....	232 W. 2nd Ave., Vancouver
Evergreen Trailer Co. Ltd. ....	10527 Scott Rd., North Surrey
Kamloops Steel Fabricators Ltd. ....	194 Victoria St. W., Kamloops
Langford Truck Equipment Ltd. ....	1828 Clarke Drive, Vancouver
McAllister Spring Company Limited .....	425 W. 6th Ave., Vancouver
Motor Specialty Manufacturers Ltd. ....	475 Clarke Drive, Vancouver
Ribchester, G.W., & Son, Ltd. ....	1253 Howe St., Vancouver
West Coast Trailer Mfg. Co. Ltd. ....	6212 Kingsway, Burnaby
Westminster Truck Equipment Ltd. ....	2468 Dewdney Truck Rd., Port Coquitlam
White & Taylor Ltd. ....	445 West 2nd Ave., Vancouver
Willock Truck Equipment Company Ltd. ....	205 West 2nd Ave., Vancouver