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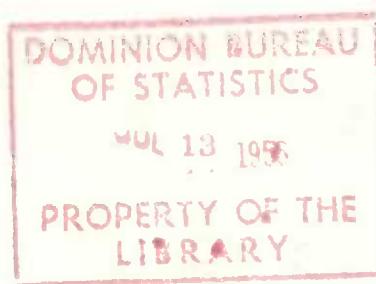
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CANADA

# THE MOTOR VEHICLE PARTS INDUSTRY

1954



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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: Volume I - The Primary Industries, including mining, forestry and fisheries; Volume II - Manufacturing; Volume III - Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces 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 of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada, 25¢
  - Section B. Atlantic Provinces, 25¢
  - Section C. Quebec, 25¢
  - Section D. Ontario, 25¢
  - Section E. Prairie Provinces, 25¢
  - Section F. British Columbia, 25¢
  - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III - Foods and Beverages
- IV - Tobacco and Tobacco Products
- V - Rubber Products
- VI - Leather Products
- VII - Textile Mills
- VIII - Knitting Mills
- IX - Clothing
  - X - Wood and Paper Products
  - XI - Printing Trades
  - XII - Iron and Steel Products
  - XIII - Transportation Equipment
  - XIV - Non-ferrous Metal Products
  - XV - Electrical Apparatus and Supplies
  - XVI - Non-metallic Mineral Products
  - XVII - Products of Petroleum and Coal
  - XVIII - Chemicals and Allied Products
  - XIX - Miscellaneous Manufactures

The present report belongs in Part XIII, 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 MOTOR VEHICLE PARTS INDUSTRY

## 1954

The Motor Vehicle Parts Industry is a division of the Transportation Equipment 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 and 7 to 11, 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.

One hundred and eighty establishments were included in the Motor Vehicle Parts Industry in 1954, distributed by provinces, as follows: Ontario, 104; Quebec, 21; British Columbia, 18; Alberta, 16; Manitoba, 14; Saskatchewan, 4; New Brunswick, 2 and Nova Scotia, 1. Factory shipments from these plants were valued at \$239,108,407, a decline of 22.3 per cent from the total of \$307,676,670 in 1953.

In 1954, this industry afforded employment to a total of 18,363 people who were paid \$65,540,443 in salaries and wages, while in the previous year there were 23,335 workers with earnings of \$81,186,799.

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 specified production of parts and accessories from all industries, including tires, batteries, radios, etc., amounted to \$406,315,000 in 1954 compared with \$525,793,000 in 1953. Details are listed in Table 5.

Note: Figures for value added by manufacture shown in Table 1, prior to 1952, were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952, the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954, information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figure for 1954.

## TRANSPORTATION EQUIPMENT

TABLE 1. Principal Statistics of the Motor Vehicle Parts Industry,  
Significant Years, 1929-54 and by Provinces, 1953 and 1954

Year and province	Establishments	Employees	Earnings	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>
	No.	No.	\$	\$	\$	\$	\$
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	26,631,014	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
1950 .....	151	19,719	56,092,273	2,933,965	122,088,705	101,516,705	226,539,375
1951 .....	161	21,197	65,283,163	3,271,070	142,840,935	117,021,089	263,133,094
1952 .....	172	21,791	72,607,789	3,895,986	145,666,823	127,222,358	276,785,167
<b>1953</b>							
Quebec .....	23	363	995,443	56,559	903,261	1,867,975	2,827,795
Ontario .....	105	22,177	77,566,306	3,948,787	158,541,735	135,275,467	297,765,989
Manitoba .....	12	174	466,419	24,393	566,560	651,507	1,242,460
Alberta .....	15	337	1,224,078	31,306	1,269,058	2,117,465	3,417,829
British Columbia .....	19	248	830,798	30,432	938,694	1,163,681	2,132,807
Saskatchewan .....	3	36	103,755	9,204	104,704	175,882	289,790
New Brunswick .....	2						
Canada .....	179	23,335	81,186,799	4,100,681	162,324,012	141,251,977	307,676,670
<b>1954</b>							
Nova Scotia .....	1	17	40,683	4,686	21,940	52,374	79,000
New Brunswick .....	2						
Quebec .....	21	323	936,377	72,348	1,151,765	1,449,099	2,710,913
Ontario .....	104	17,282	62,190,625	3,633,259	118,468,727	106,942,848	229,319,438
Manitoba .....	14	269	742,593	27,973	1,012,293	1,372,061	2,404,805
Saskatchewan .....	4	17	51,303	3,402	49,575	80,134	136,886
Alberta .....	16	218	796,433	33,526	1,041,953	1,087,348	2,199,034
British Columbia .....	18	237	782,429	35,780	945,273	1,270,046	2,258,331
Canada .....	180	18,363	65,540,443	3,810,974	122,691,526	112,253,910	239,108,407

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. See footnote to text.

TABLE 2. Inventories<sup>1</sup>, 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Nova Scotia and New Brunswick .....	21,570	3,652	—	25,222
Quebec .....	261,912	124,701	230,762	617,375
Ontario .....	25,253,133	9,836,438	9,147,038	44,236,609
Manitoba .....	337,283	83,324	78,824	499,431
Saskatchewan .....	48,816	—	19,631	68,447
Alberta .....	229,257	40,670	219,647	489,574
British Columbia .....	292,629	30,181	54,526	377,336
Canada .....	26,444,600	10,118,966	9,750,428	46,313,994

TABLE 2. Inventories<sup>1</sup>, 1954 — Concluded

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
<b>Closing:</b>				
Nova Scotia and New Brunswick .....	24,561	2,871	—	27,432
Quebec .....	276,756	65,344	193,061	535,161
Ontario .....	20,150,861	8,610,356	8,872,434	37,633,651
Manitoba .....	350,617	91,145	86,346	528,108
Saskatchewan .....	53,234	—	15,856	69,090
Alberta .....	190,232	19,972	183,440	393,644
British Columbia .....	295,140	76,238	47,294	418,672
<b>Canada .....</b>	<b>21,341,401</b>	<b>8,865,926</b>	<b>9,398,431</b>	<b>39,605,758</b>

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 Motor Vehicle Parts Industry for the year under review are shown in the above table.

TABLE 3. Products Made in the Motor Vehicle Parts Industry, 1953 and 1954

Product	1953		1954	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
		No.	\$	No.
Axles and axle shafts .....	—	14,488,686	—	7,846,371
Battery cables and ground straps .....	—	690,216	—	585,162
Bodies and cabs (see Table 5) .....	—	13,891,238	—	11,265,870
Brakes and parts .....	—	3,888,193	—	2,778,627
Bumpers and bumperettes .....	—	7,118,336	—	6,055,380
Hardware, automobile .....	—	3,458,809	—	4,405,158
Heaters (car and engine block) .....	364,770	5,401,326	—	3,438,515
Headlights and parts .....	—	4,383,054	—	3,001,491
Oil filters and elements .....	—	3,801,963	—	3,642,198
Pistons .....	937,242	1,488,740	829,887	1,369,650
Piston rings .....	21,685,596	3,024,885	16,882,585	2,878,675
Piston ring expanders .....	—	73,385	—	29,220
Radiators, complete .....	267,384	5,306,451	219,993	3,817,137
Radiator cores .....	—	662,132	—	854,654
Spark plugs .....	24,577,329	6,931,074	26,022,091	7,532,082
Springs, auto chassis (flat and coil) .....	—	10,042,112	—	7,551,803
Other automobile parts <sup>1</sup> .....	—	162,276,823	—	118,432,750
Trailers (see Table 6) .....	—	16,948,173	—	13,290,675
Received for custom work and repairs .....	—	4,157,237	—	4,971,983
All other products <sup>2</sup> .....	—	39,643,837	—	35,361,006
<b>Total .....</b>	<b>—</b>	<b>307,676,670</b>	<b>—</b>	<b>239,108,407</b>

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

2. 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, 1953 and 1954

Material	1953		1954		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Iron and steel:					
Pig iron .....	tons	31,880	1,879,188	20,457	1,178,088
Bars and rods, steel .....	"	52,014	7,629,064	39,012	6,290,105
Plates, steel .....	"	6,311	901,624	7,526	992,300
Sheets:					
Black .....	tons	45,614	6,218,774	25,013	3,541,393
Galvanized..	"	1,387	199,879	1,046	151,123
Tinplate .....	tons	2,444	433,732	1,961	332,839
Strip, steel .....	"	27,222	3,771,990	16,799	2,202,233
Structural shapes .....	"	13,075	1,561,926	4,507	691,061
Wire .....	"	3,137	555,592	2,520	479,040
Alloy steel in all forms:					
Stainless:					
Billets, bars and rods .....	"	—	381,919	—	33,571
Other .....	"	—	780,015	—	323,692
Other alloy and tool steel (including carbon, alloy and high speed steels):					
Billets, bars and rods .....	"	—	9,076,120	—	6,550,681
Other .....	"	—	521,496	—	184,675
Scrap iron and steel .....	tons	23,717	904,960	48,962	2,165,111
Iron and steel pipe, tubing and fittings .....	"	—	1,863,706	—	1,612,814
Other iron and steel .....	"	—	9,214,589	—	6,882,057
Ferro-alloys .....	"	—	188,340	—	136,564
Non-ferrous metals:					
Aluminum:					
Castings .....	pounds	1,083,236	649,016	766,541	498,276
Sheet .....	"	1,042,660	390,268	822,058	327,207
Other forms .....	"	3,054,097	809,284	3,905,587	1,052,964
Brass and bronze .....	"	10,448,881	4,126,631	7,569,009	2,969,651
Copper:					
Sheet .....	pounds	232,351	99,928	1,558,515	764,962
Wire .....	"	5,544,136	2,282,432	4,272,293	1,844,917
Other forms .....	"	4,324,090	2,131,974	1,653,969	759,653
Lead .....	"	599,376	128,926	1,168,985	281,676
Nickel .....	"	414,217	294,036	652,547	479,285
Tin .....	"	1,500	1,517	2,176	2,393
Zinc .....	"	1,243,275	194,034	1,030,087	178,448
Babbitt metals and solders .....	"	1,134,967	525,211	880,100	368,285
Other non-ferrous metals .....	"	—	367,731	—	116,382
Other materials:					
Paints, oils and varnishes .....	"	1	1	—	700,478
Foundry coke for cupola use .....	tons	18,531	534,828	12,350	354,075
Moulding sands .....	"	20	136	5	29
Core sands .....	"	26,957	77,692	22,354	61,003
Plumbago and graphite .....	pounds	39,200	4,680	36,900	4,465
Lumber .....	M ft. b. m.	11,128	1,601,340	6,972	805,874
Firebrick .....	"	—	15,920	—	20,917
Fireclay .....	"	—	35,128	—	29,722
Cupola blocks .....	"	—	42,595	—	14,510
Core oil .....	Imp. gal.	69,826	70,043	59,697	56,832
Shipping containers .....	"	—	2,945,478	—	1,373,467
All other materials .....	"	—	98,912,270	—	75,878,718
Total .....	"	—	162,324,012	—	122,691,526

1. Not available separately.

**TABLE 5. Factory Shipments of Specified Motor Vehicle Parts and Accessories, From All Industries, 1953 and 1954**

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	1953		1954	
	Number	Value of factory shipments	Number	Value of factory shipments
Axles and axle shafts .....	—	\$ 14,489,000	—	\$ 7,846,000
Batteries, storage (for autos) .....	1,762,891	16,555,000	1,783,392	16,685,000
Truck bodies and cabs:				
Dump bodies .....	3,264	2,371,000	2,637	1,613,000
Hydraulic hoists .....	4,465	2,046,000	2,865	1,289,000
Tail gate loaders .....	196	110,000	205	105,000
Stake bodies .....	4,711	2,171,000	2,820	1,032,000
Pick-up or express bodies .....	16,485	1,131,000	241	285,000
Van and delivery bodies .....	25,244	2,421,000	41,875	3,672,000
Bus bodies .....	361	1,142,000	361	1,040,000
Tank bodies .....	1,044	5,228,000	935	3,555,000
All other truck bodies and cabs (passenger car bodies not included) .....	2,574	2,076,000	3,308	2,863,000
Brakes and parts .....	—	4,782,000	—	3,398,000
Brake linings, asbestos .....	—	3,473,000	—	3,008,000
Bumpers and bumperettes .....	—	7,118,000	—	6,055,000
Cable and wire assemblies .....	—	3,191,000	—	2,412,000
Chains, tire .....	—	1,417,000	—	1,191,000
Clutches .....	—	1	—	1
Clutch facings, asbestos .....	—	552,000	—	525,000
Coils, ignition .....	—	1	—	1
Differentials .....	—	1	—	1
Distributors .....	—	1	—	1
Engines .....	—	1	—	1
Engine valves .....	—	1	—	1
Fan belts, rubber .....	1,538,547	925,000	1,444,795	886,000
Generators .....	—	1	—	1
Glass, laminated, etc. .....	—	1	—	1
Hardware, auto .....	—	6,804,000	—	7,220,000
Heaters, auto and engine, and defrosters .....	—	6,259,000	—	4,040,000
Headlights and parts .....	—	4,413,000	—	3,001,000
Hub and drum assemblies .....	—	1	—	1
Lubricating systems .....	—	1	—	1
Mufflers .....	—	1	—	1
Oil filters and elements .....	—	3,802,000	—	3,642,000
Pistons .....	937,242	1,489,000	829,887	1,370,000
Piston rings, expanders, etc. .....	—	3,343,000	—	2,908,000
Propeller drive shafts and universal shafts .....	—	1	—	1
Radiators, complete .....	267,384	5,306,000	219,993	3,817,000
Radiator cores .....	—	662,000	—	855,000
Radios for automobiles .....	201,941	7,494,000	141,006	5,311,000
Shock absorbers .....	—	1	—	1
Spark plugs .....	24,577,329	6,931,000	26,022,091	7,532,000
Springs, chassis .....	—	10,042,000	—	7,552,000
Starters .....	—	1	—	1
Steering gear assemblies .....	—	1	—	1
Tie rods .....	—	1	—	1
Tires (casings and tubes) .....	—	143,476,000	—	130,388,000
Tire flaps and tire flap material .....	—	588,000	—	509,000
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 .....	—	69,121,000	—	33,659,000
Other auto parts and supplies, not specified as to kind .....	—	56,895,000	—	38,786,000
Value of products reported by only 1 or 2 firms as indicated above .....	—	127,970,000	—	98,265,000
<b>Total</b> .....	—	<b>\$ 525,793,000</b>	—	<b>\$ 406,315,000</b>

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

## TRANSPORTATION EQUIPMENT

TABLE 6. Factory Shipments of Trailers, 1953 and 1954 (From all Industries)

Type	1953		1954	
	Number	Value of factory shipments	Number	Value of factory shipments
Cabin or house type.....	842	\$ 2,085,000	1,127	\$ 2,986,000
Commercial semi-trailers:				
Slate type .....	603	2,712,000	645	2,148,000
Van type .....	1,142	6,735,000	746	4,524,000
Lowbed type .....	198	959,000	153	783,000
Logging type .....	100	471,000	118	605,000
Tank type .....	1	1	1	1
Dump type .....	45	256,000	61	355,000
Pole trailers .....	36	65,000	41	155,000
All other trailers .....	3,546	4,584,000	591	2,121,000

1. Included with "All other trailers".

TABLE 7. Principal Statistics of the Motor Vehicle Parts Industry, Classified According to Type of Ownership, 1953 and 1954

Type	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
1953	No.	No.	\$	\$	\$	\$
Individual ownership.....	31	194	440,771	21,947	466,457	1,141,356
Partnerships.....	14	219	581,120	18,464	718,599	1,671,954
Incorporated companies .....	134	22,922	80,164,908	4,060,270	161,138,956	304,863,360
Total .....	179	23,335	81,186,799	4,100,681	162,324,012	307,676,670
1954						
Individual ownership.....	30	149	358,346	21,396	412,280	951,980
Partnerships.....	12	87	232,198	11,444	228,218	535,775
Incorporated companies .....	138	18,127	64,949,899	3,778,134	122,051,028	237,620,652
Total .....	180	18,363	65,540,443	3,810,974	122,691,526	239,108,407

TABLE 8. Principal Statistics of the Motor Vehicle Parts Industry, Grouped According to Size of Establishment, 1953 and 1954

Establishments reporting a value of factory shipments	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
1953	No.	No.	\$	\$	\$	\$
Under \$10,000 .....	7	13	19,330	1,310	8,010	31,902
\$10,000 to \$24,999.....	16	59	116,182	7,155	84,220	266,628
\$25,000 to \$49,999.....	17	106	252,311	9,815	234,142	628,976
\$50,000 to \$99,999.....	26	291	780,723	44,177	735,033	1,821,099
\$100,000 to \$199,999.....	30	528	1,562,277	75,318	1,655,688	4,110,919
\$200,000 to \$499,999.....	25	727	2,144,662	87,191	3,247,895	7,495,128
\$500,000 to \$999,999.....	17	1,001	2,961,628	87,810	5,088,055	11,178,405
\$1,000,000 to \$4,999,999.....	27	5,944	20,015,688	927,305	30,261,877	64,163,935
\$5,000,000 and over .....	14	14,666	53,333,998	2,860,600	121,009,092	217,979,678
Total .....	179	23,335	81,186,799	4,100,681	162,324,012	307,676,670
1954						
Under \$10,000 .....	9	18	34,982	2,351	13,773	49,406
\$10,000 to \$24,999.....	18	67	154,665	9,413	104,953	306,878
\$25,000 to \$49,999.....	20	114	296,807	14,015	302,450	712,118
\$50,000 to \$99,999.....	24	273	731,186	41,188	686,089	1,705,276
\$100,000 to \$199,999.....	30	550	1,642,938	91,429	1,651,477	4,514,136
\$200,000 to \$499,999.....	20	645	1,953,604	120,693	2,811,344	6,260,976
\$500,000 to \$999,999.....	21	1,136	3,518,410	148,351	7,510,527	14,073,426
\$1,000,000 to \$4,999,999.....	26	4,624	16,098,026	780,951	26,577,506	55,144,092
\$5,000,000 and over .....	12	10,936	41,109,825	2,602,583	83,033,407	156,342,099
Total .....	180	18,363	65,540,443	3,810,974	122,691,526	239,108,407

TABLE 9. Capital and Repair Expenditures in the Motor Vehicle Parts Industry, 1950-1954

Year	Capital expenditures		Sub-total	Repair and maintenance equipment		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
\$'000							
1950.....	2,472	5,499	7,971	688	4,926	5,614	13,585
1951.....	6,806	10,669	17,475	1,074	5,896	6,970	24,445
1952.....	5,242	5,696	10,938	1,375	6,094	7,469	18,407
1953.....	6,246	11,625	17,871	1,201	7,203	8,404	26,275
1954 <sup>1</sup> .....	2,839	18,284	21,123	869	5,511	6,380	27,503

1. Preliminary.

TABLE 10. Employees and Their Earnings in the Motor Vehicle Parts Industry, 1953 and 1954

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female		\$	\$	
1953								
Quebec.....	47	16	282	18	363	227,711	767,732	995,443
Ontario.....	2,594	1,064	16,050	2,469	22,177	16,047,188	61,519,118	77,566,306
Manitoba.....	32	12	116	14	174	131,744	334,675	466,419
Alberta.....	60	16	253	8	337	360,939	863,139	1,224,078
British Columbia.....	47	12	186	3	248	251,697	579,101	830,798
Other provinces.....	9	1	26	—	36	36,774	66,981	103,755
Canada.....	2,789	1,121	16,913	2,512	23,335	17,056,053	64,130,746	81,186,799
1954								
Quebec.....	47	13	253	10	323	248,727	687,650	936,377
Ontario.....	2,529	925	11,924	1,904	17,282	15,477,553	46,713,072	62,190,625
Manitoba.....	50	16	166	37	269	231,913	510,680	742,593
Alberta.....	40	9	165	4	218	227,889	568,544	796,433
British Columbia.....	41	9	185	2	237	213,810	568,619	782,429
Other provinces.....	10	1	23	—	34	37,452	54,534	91,986
Canada.....	2,717	973	12,716	1,957	18,363	16,437,344	49,103,099	65,540,443

TABLE 11. Production Workers in the Motor Vehicle Parts Industry, by Months, 1953 and 1954

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
Number						
January.....	16,598	2,449	19,047	14,663	2,443	17,106
February.....	17,311	2,560	19,871	14,700	2,429	17,129
March.....	18,239	2,711	20,950	14,534	2,394	16,928
April.....	18,663	2,779	21,442	14,145	2,170	16,315
May.....	18,731	2,764	21,495	13,490	2,106	15,596
June.....	18,925	2,765	21,690	12,379	1,919	14,298
July.....	17,885	2,768	20,653	11,392	1,537	12,929
August.....	16,285	2,363	18,648	9,984	1,464	11,448
September.....	16,030	2,318	18,348	10,436	1,644	12,080
October.....	14,851	2,159	17,010	11,640	1,726	13,366
November.....	14,248	2,232	16,480	12,329	1,808	14,137
December.....	15,222	2,370	17,592	12,912	1,838	14,750
Average.....	16,913	2,512	19,425	12,716	1,957	14,673

**TABLE 12. Imports and Exports of Specified Motor Vehicle Parts, 1953 and 1954**

	1953	1954
	\$	\$
<b>Imports</b>		
Parts of bodies for motor buses, electric trackless trolley buses, motor ambulances and hearses, as enumerated in tariff item 4381 .....	3, 801, 220	3, 263, 212
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.....	14, 963, 192	12, 307, 968
Automobile parts, n.o.p. ....	203, 519, 195	164, 862, 220
Automobile and motor vehicle engines, stripped, n.o.p., and complete parts thereof, n.o.p. ....	12, 557, 356	10, 240, 692
Engines, internal combustion, and parts, of a class not made in Canada, for the manufacture of motor trucks and motor truck chassis .....	8, 602, 916	6, 594, 777
Annular ball bearings and parts, for the manufacture of motor vehicles .....	3, 815, 652	2, 604, 186
Asbestos brake linings for automobiles, motor vehicles and chassis .....	297, 460	271, 723
Asbestos clutch facings for automobiles, motor vehicles and chassis .....	270, 123	259, 560
<b>Exports</b>		
Automobile parts:		
Canadian-made .....	16, 999, 484	15, 374, 579
Foreign-made .....	3, 231, 255	3, 286, 019

**List of Firms in the Motor Vehicle Parts Industry, 1954**

Name	Address
<b>Nova Scotia:</b>	
Daniels, C.E., & Son .....	Annapolis Royal
<b>New Brunswick:</b>	
Saint John Spring Works .....	81 Thorne Ave., Saint John
Universal Sales Ltd. ....	Marsh St., Saint John
<b>Quebec:</b>	
Atlas Hoist & Body Inc. ....	836 Wellington St., Montreal
Auto Radiator Mfg. Limited .....	960 Plessis St., Montreal
Automotive Spring Mfg. Co. Ltd. ....	1409 William St., Montreal
Corbeil, J. H. ....	St. Lin
Drolet, Leon, et Fils Enrg. ....	8-12 Caron St., Quebec
Eastern Spring Service .....	9359 Notre Dame St. E., Montreal
Economy Carburetor Co. Ltd. ....	1260 Jean-Talon St. E., Montreal
Electric & Gas Welding Co. Ltd., The .....	5701 De Normanville St., Montreal
Evereit Automotive Radiators Ltd. ....	995 St. Dominique St., Montreal
Fleurent, Paul Emile .....	2036 Percy St., Montreal
Gardner Trailer Limited .....	8650 Jeanne Mance St., Montreal
Giard Ltée .....	5474 St. Hubert St., Montreal
Ideal Body Ltd. ....	265-2nd Ave., Quebec
Jennings Auto Body Co. ....	1165 St. James St. W., Montreal
La Boite de Camions Enrg. ....	Ste-Marie-de-Beauce
Lafond, F.X., Enrg. ....	3701 St. James St. W., Montreal
McRobert, C.A., & Son Limited .....	31 St. Viateur St. E., Montreal
Portelance, S., Enrg. ....	42 Ste. Anne St., Pointe Claire
Racine, Alfred, Enrg. ....	900 St. Gregoire St., Montreal
Specialloid (Canada) Ltd. ....	29 Oka Road, St. Eustache
Western Filters Limited .....	360 Blvd. Ste. Croix, Montreal

## List of Firms in the Motor Vehicle Parts Industry, 1954 — Continued

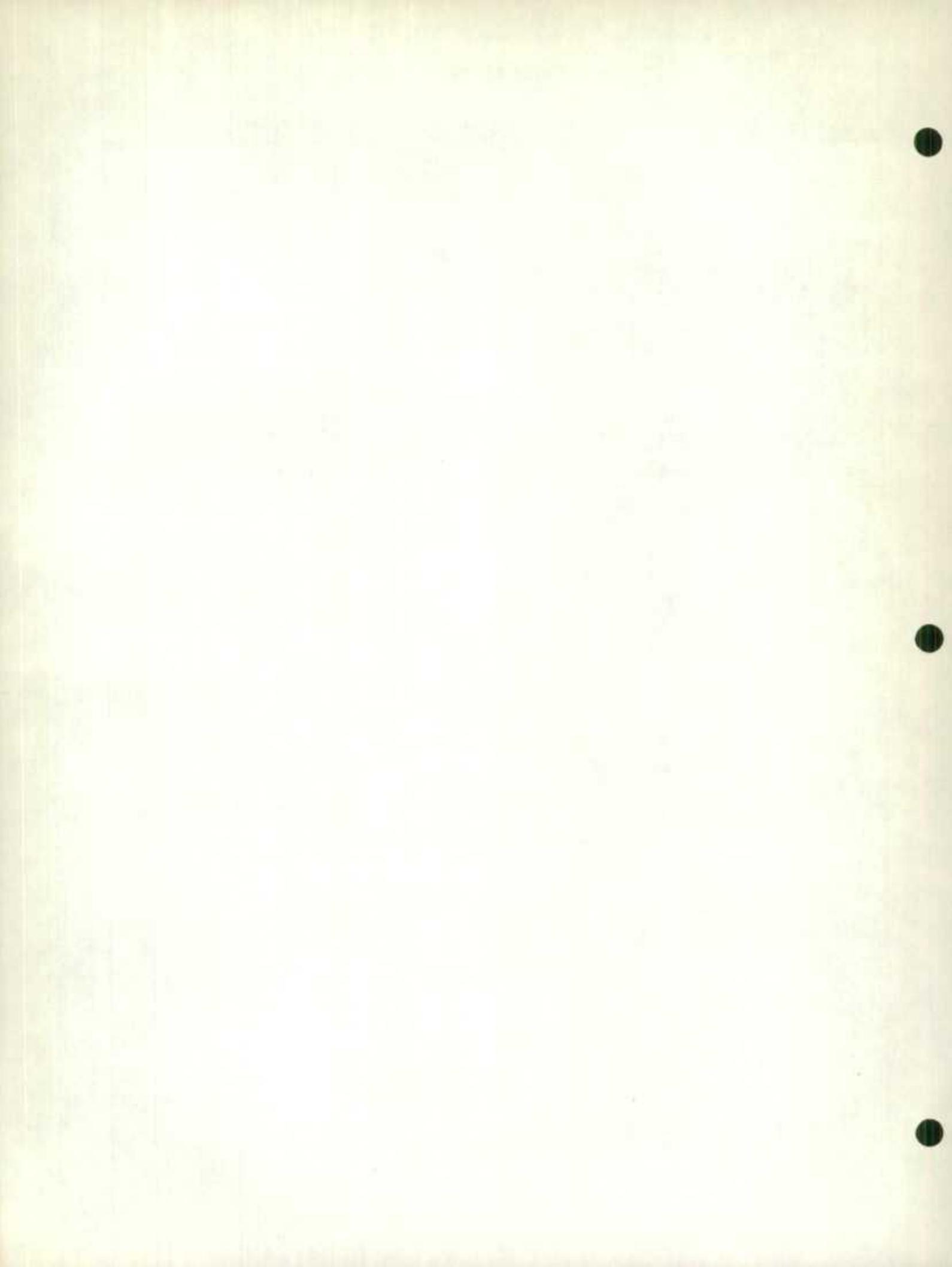
Name	Address
<b>Ontario:</b>	
Adams, J. C., Company Limited .....	972 Queen St. W., Toronto
Algoma Mfg. Tool & Die Ltd. ....	177 King St. W., Oshawa
Appleby, D., & Co. of Canada Limited .....	18 Ingram Drive, Toronto
Atkinson, Cliff .....	214 Montreal Rd., Eastview
Back, L., & Co. Ltd. ....	159 De Grassie St., Toronto
Beauchamp Truck Bodies .....	Hurdman's Bridge, Ottawa
Bendix-Eclipse of Canada Limited .....	1473 Agryle Rd., Windsor
Brantford Coach and Body Limited .....	22 Mohawk St., Brantford
Canadian Acme Screw & Gear Limited .....	207 Weston Rd., Toronto
Canada Motor Products Limited.....	857 Queensway, Toronto
Canadian Motor Lamp Co., Ltd. ....	2429 Seminole St., Windsor
Canadian Radiator Mfg. Company Ltd. ....	464 Front St. W., Toronto
Canmor Hydraulic Industries Ltd. ....	70 Grand, Toronto
Carrick, Thos. ....	2002 Dundas St. W., Toronto
Champion Spark Plug Co. of Canada Limited .....	1624 Howard Ave., Windsor
Clevite Limited .....	1177 Talbot St., St. Thomas
Comco Stampings Ltd. ....	Uxbridge
Cozens Spring Service & Mfg. Co., Limited.....	157 Queen St. E., Toronto
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 .....	139 Peter St., Toronto
Donaldson Company (Canada) Ltd. ....	277 William St. S., Chatham
Eaton Automotive Products Ltd. ....	450 Highbury Ave., London
Elcombe Engineering Limited .....	3327 Russell St., Windsor
Elder, Robert, Limited .....	26 Soho St., Toronto
Electric Auto-Lite Limited.....	Christina St. N., Sarnia
Electro Coil Company .....	30 Webber St. N., Waterloo
Electroline Mfg. Co. Ltd. ....	1305 Windsor Ave., Windsor
Esco Stamping Products Ltd. ....	444 Hanna St. E., Windsor
Essex Wire Corporation Limited .....	1664 Windsor Ave., Windsor
Fabricated Metals & Stampings Ltd. ....	249 — 2nd Ave., Oshawa
Felder Truck Body & Trailer Co. ....	102 Bruce, Kitchener
Filtron Limited.....	32 Regina St. S., Waterloo
Fram Canada Ltd. ....	Romeo St. S., Stratford
Fruehauf Trailer Co. of Canada Ltd. ....	Main St. N., Weston
General Coach Mfg. Co. Ltd. ....	Hensall
General Motors of Canada Limited .....	Walkerville
Glendale Mobile Homes Ltd. ....	R.R. No. 1, London
Goodwin Glass Industries Ltd. ....	1052 Wyandotte St. W., Windsor
Gotfredson Limited .....	2470 Wyandotte St. E., Windsor
Hampson Products .....	1392 Dufferin St., Toronto
Hastings Ltd. ....	390 Birchmount Rd., Toronto
Hayes Steel Products Limited .....	Merritt St., Merriton
Houdaille-Hershey of Canada, 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
Karco Co. Ltd., The .....	3959 Walker Rd., Windsor
Kelsey Wheel Co. Ltd. ....	309 Ellis Ave. E., Windsor
King, Peter, Industries .....	Kingsville
Kralinator Limited .....	Montrose St., Preston
Long Manufacturing Co., Limited .....	2744 Edna St., Windsor
Maple Leaf Metal Products Ltd. ....	2531 McDougall St., Windsor
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
Model Body Co. Ltd. ....	843 Gerrard St. E., Toronto
Monohan Supply Corp. Ltd. ....	191 Queen St. E., Toronto
Monroe-Acme Ltd. ....	207 Weston Rd., Toronto
Morco Products Co. ....	Joseph & Montreal Sts., Kingston
Motor Products Corporation .....	Walker Road, Walkerville
Muffler Corporation of Canada Ltd. ....	Scarborough
National Auto Radiator Mfg. Co. Ltd. ....	2575 Airport Rd., Windsor
National Tubular Products Ltd. ....	Glencoe
Nelmor Corporation (Canada) Ltd. ....	70 — 14th St., New Toronto
Nelson Trailer Coach Co. ....	Lloydtown
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. ....	King St., Gananoque
Ontario Steel Products Co. Ltd. ....	Milton
Ontario Truck Body Co. ....	Box 790, Newmarket

## List of Firms in the Motor Vehicle Parts Industry, 1954 — Continued

Name	Address
<b>Ontario — concluded:</b>	
Oshawa Engineering & Welding Co.	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
Pollard Industries Ltd.	Harrow
Purolator Products (Canada) Ltd.	Kipling and North Queen St., Toronto
Ramsey Ring Co. Ltd., The	37 Louth St., St. Catharines
Sales, A. J., Company Limited.	Erie St., Ridgetown
Saltsman, H.H.	1959 Iroquois St., Walkerville
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
Shaft Products Co.	78 Cannon St. E., Hamilton
Smith Bros. Motor Bodies Ltd.	173 Bartley Drive, Toronto
Smith, Kirkaldy, Dennison, Mfg. Co. Ltd.	Amherstburg
St. Catharines Auto Bodies Ltd.	207 St. Paul St. W., St. Catharines
Stewart-Warner Alemite Corporation of Canada Limited	MacDonald Ave., Belleville
Swartz, S., & Sons	106 Grange Ave., Toronto
Thompson Products Ltd.	37 Louth St., St. Catharines
Tipping Truck Bodies	Tottenham
Trailmobile Canada Limited	Ojibway
Trico Products Corporation	40 Courtwright St., Fort Erie
Truck Engineering Limited	165 Wellington St. S., Woodstock
Van Wilson Equipment Co. Ltd.	181 Victoria Ave., Hamilton
Waffle's Industries Limited	69 Grand Ave. E., Chatham
Warner Gear Company Limited	325 Devonshire Road, 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
Wilson Motor Bodies Limited	1466 Lakeshore Rd., Long Branch
Wix Accessories Corporation Ltd.	25 Curity Ave., Toronto
<b>Manitoba:</b>	
Automotive Accessory Co. Ltd.	1551 Erin, Winnipeg
Bard Mfg. & Welding Co.	408 Bertrand, Winnipeg
Brandon Body Works Ltd.	9th St. & Southern Ave., Brandon
Carter, James B., Ltd.	85 Water 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
Manitoba Auto Spring Works	175 Fort St., Winnipeg
Midwest Auto Springs	738 — 1st St., Brandon
Rambler Trailers	702 Scotland Ave., Winnipeg
Redlick Trailer Co. Ltd.	P.O. Box 160, Brandon
Sangster's Wagon & Body Works Ltd.	100 Higgins Ave., Winnipeg
Stearns Automotive Products	666 Arlington St., Winnipeg
<b>Saskatchewan:</b>	
Fudge's Snow Sedans	Moosomin
Longeway, Exec. of Longeway Estate	Storthooks
Modern Spring Works Ltd.	331 Avenue A South, Saskatoon
Western Spring Manufactures Ltd.	2047 Broad St., Regina
<b>Alberta:</b>	
Belmont Body Works	12517 — 72nd St., Edmonton
Commercial Body Works Ltd.	1018 — 9th Ave. E., Calgary
Economy Filter Works	1219 — 9th Ave. E., Calgary
Edmonton Auto Spring Works Ltd.	Jasper Ave. and 95th St., Edmonton
Edmonton Truck Body Ltd.	10927 — 102 St., Edmonton
Hay & Harding, Limited	108 — 2nd Ave. W., Calgary
Lethbridge Body Works	1801 — 3rd Ave. S., Lethbridge
Lethbridge Spring & Axle Ltd.	402 — 4th St. S., Lethbridge
Master-Craft Trailer Co.	1426 — 9th Avenue East, Calgary
McArthur's Auto Spring Works	330 — 6th Ave. E., Calgary
Northwest Industries Ltd.	No. 1 Hangar, Municipal Airport, Edmonton
Peerless Motor Products	6110 — 1A St. S.W., Calgary
Roadway Industries Ltd.	6933 — 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	Cor. 4th Ave. and 10th St. N.W., Calgary

## List of Firms in the Motor Vehicle Parts Industry, 1954 - Concluded

Name	Address
<b>British Columbia:</b>	
British Welding Co.....	505 Fisgard St., Victoria
Collins Mfg. Co. Ltd.....	356 - 2nd Avenue W., Vancouver
Columbia Trailer Co. Ltd.....	1475 Howe St., Vancouver
Commercial Body Builders Ltd. ....	516 W. 8th Ave., Vancouver
Cords Piston Ring Co. of Canada Ltd. ....	834 Johnson St., Victoria
Dendoff Springs Ltd.....	232 W. 2nd Ave., Vancouver
Desauniers Bros.....	1225 East Pender St., Vancouver
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
Pacific Coast Trailers Ltd. ....	8393 King George Highway, New Westminster
Pioneer Equipment Ltd. ....	960 Richards St., Vancouver
Ribchester, G.W., & Son, Ltd. ....	1253 Howe St., Vancouver
West Coast Trailer Mfg. Co. Ltd. ....	2656 Kingsway, Burnaby
Westminster Spring Co. ....	819 Carnarvon St., New Westminster
Westminster Truck Equipment Ltd. ....	820 Agnes St., New Westminster
White & Taylor Ltd. ....	445 West 2nd Ave., Vancouver
Willock Truck Equipment Company Ltd. ....	205 West 2nd Ave., Vancouver





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