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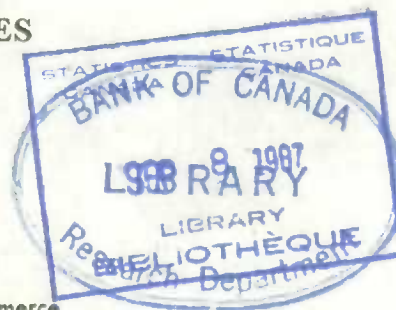
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# MISCELLANEOUS VEHICLE MANUFACTURERS 1961

The list of firms normally included in this report has been omitted from this issue, along with certain tables. See introductory text for details.

## ANNUAL CENSUS OF MANUFACTURES

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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.



## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1961 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. Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability of the data. (See following note on "Establishment".)

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 1961, 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

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

### 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 but will be shown separately in subsequent years.

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, handling, warehousing and delivery staff. 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 the calendar year 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 with salaries, but will be shown separately in subsequent years. 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 establishment including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components 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 or 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 generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment 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 which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested

on f.o.b. establishment 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 value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

### Value added by Manufacturing

Value added is compiled by deducting the cost of materials, fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process). Value added is sometimes referred to as net production.<sup>1</sup>

### Standard Industrial Classification

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

<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 advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in D.B.S. publication 61-202, Survey of Production.

### Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from \$50,000 to \$100,000 value of shipments and a new intermediate form was used. This form is a shortened version of the long form in that some 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 inter-

mediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity, and inventories, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.



## MISCELLANEOUS VEHICLE MANUFACTURERS

1961

Data presented in this report under the heading of Miscellaneous Vehicle Manufacturers reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of 1961 industry statistics—see items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report. For statistical purposes the industry titled Miscellaneous Vehicle Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing transportation equipment not elsewhere classified, such as animal-drawn vehicles including sleighs, as well as parts for any vehicles included.

The introduction of the new definition of establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated some adjustments to the statistics. In the case of the industry under review such

changes were minimal. Table 1 B reflects the adjustments, on account of the new concept changes, for the years 1957 to 1961.

As a result of increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in the reports issued in the Census of Manufactures series. It is planned to resume publication of these tables in the 1962 reports. In general, the tables affected are the following: Directory of firms, Imports, Exports, Capital and Repair Expenditures and Factory Shipments (from all industries).

There were 12 establishments classified as Miscellaneous Vehicle Manufacturers in 1961; there being 1 in Newfoundland, 4 in Quebec, 5 in Ontario, 1 in Saskatchewan and 1 in Alberta. Employees in this industry numbered 601; salaries and wages totalled \$2,187,469; materials used in the manufacturing process cost \$4,221,428; and factory shipments were valued at \$8,895,424.



**TABLE 1 A. Principal Statistics of the Miscellaneous Transportation Equipment Industry,  
Significant Years, 1950-1959**

Basis: Standard Industrial Classification in use prior to 1960

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture	Gross selling value of products
	number		dollars				
1950 .....	64	1,283	2,653,830	109,213	4,394,644	5,616,258	10,120,115
1954 .....	37	830	2,152,343	89,807	3,471,520	4,079,487	7,541,123
1955 .....	27	793	2,179,376	88,513	4,015,082	3,672,985	7,894,091
1956 .....	27	886	2,468,670	119,217	4,983,141	5,044,853	10,109,986
1957 .....	23	662	2,162,878	90,757	2,980,252	4,189,981	7,365,625
1958 .....	16	605	2,090,793	89,692	3,376,614	4,007,832	7,285,108
1959 .....	17	690	2,525,126	97,921	4,894,154	5,303,775	10,097,301

Note: (a) 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.

(b) Separate statistics for this industry were not compiled before 1949.

**TABLE 1 B. Principal Statistics, Miscellaneous Vehicle Manufacturers, By Provinces, 1957-61**

(Basis: Revised Standard Industrial Classification and New Establishment Concept)

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Value of factory shipments
	number		dollars				
<b>1957</b>							
Newfoundland .....	3	4	8,000	400	7,600	..	23,000
New Brunswick .....							
Quebec .....	8	187	588,799	20,725	880,633	..	2,672,381
Ontario .....	6	378	1,314,741	54,571	1,890,738	..	4,047,646
Saskatchewan .....							
Alberta .....							
<b>Canada .....</b>	<b>17</b>	<b>569</b>	<b>1,911,540</b>	<b>75,696</b>	<b>2,778,971</b>	<b>..</b>	<b>6,743,027</b>
<b>1958</b>							
Newfoundland .....	6	176	582,720	20,123	1,370,109	1,670,423	2,919,615
Quebec .....							
Ontario .....	3	316	1,120,797	47,835	1,442,156	1,595,272	3,050,885
Saskatchewan .....	3	45	138,062	5,380	550,557	128,365	690,030
Alberta .....							
British Columbia .....							
<b>Canada .....</b>	<b>12</b>	<b>537</b>	<b>1,841,579</b>	<b>73,338</b>	<b>3,362,822</b>	<b>3,394,060</b>	<b>6,660,530</b>
<b>1959</b>							
Newfoundland .....	6	203	652,165	23,711	1,956,915	2,494,804	4,453,658
Quebec .....							
Ontario .....	5	388	1,533,039	50,472	2,258,654	2,136,983	4,343,067
Alberta .....							
<b>Canada .....</b>	<b>11</b>	<b>591</b>	<b>2,185,204</b>	<b>74,183</b>	<b>4,215,569</b>	<b>4,631,787</b>	<b>8,796,725</b>
<b>1960</b>							
Newfoundland .....	6	235	749,154	21,853	2,194,865	3,118,190	5,131,177
Quebec .....							
Ontario .....	5	291	1,039,010	43,146	1,283,663	1,369,651	2,725,918
Saskatchewan .....	3	79	297,247	7,865	467,395	461,529	861,038
Alberta .....							
<b>Canada .....</b>	<b>14</b>	<b>605</b>	<b>2,085,411</b>	<b>72,864</b>	<b>3,945,923</b>	<b>4,949,370</b>	<b>8,718,133</b>
<b>1961</b>							
Quebec .....	4	246	845,560	24,248	2,220,177	2,538,637	4,678,234
Ontario .....	5	310	1,115,309	45,803	1,412,251	1,493,680	2,886,702
Newfoundland .....	3	45	226,600	8,378	589,000	827,766	1,330,488
Saskatchewan .....							
Alberta .....							
<b>Canada .....</b>	<b>12</b>	<b>601</b>	<b>2,187,469</b>	<b>78,429</b>	<b>4,221,428</b>	<b>4,860,083</b>	<b>8,895,424</b>

<sup>1</sup> Because of lack of inventory data "value added" is not available for 1957.



TABLE 2. Inventories:<sup>1</sup> Miscellaneous Vehicle Manufacturers, 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Quebec .....	374,549	169,500	309,072	853,121
Ontario .....	378,890	145,355	74,527	598,772
Newfoundland .....	503	—	152,173	152,676
Saskatchewan .....				
Alberta .....				
Canada .....	753,942	314,855	535,772	1,604,569
Closing:				
Quebec .....	371,144	281,000	302,400	954,544
Ontario .....	465,595	164,371	120,543	750,509
Newfoundland .....	420	250	246,579	247,249
Saskatchewan .....				
Alberta .....				
Canada .....	837,159	445,621	669,522	1,952,302

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

(b) The opening inventory for 1961 differs from the closing inventory for 1960 because of the receipt of revised data, the inclusion of new establishments, the removal of figures for establishments which did not operate during 1961, changes in classification, and the implementation of the New Establishment Concept.

TABLE 3. Factory Shipments: Miscellaneous Vehicle Manufacturers, 1960 and 1961

Product	1960		1961	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
	No.	\$	No.	\$
Complete wheeled vehicles (horse-drawn) .....	1,703	228,242	1,886	239,050
All other products <sup>1</sup> .....	...	8,448,965	...	8,649,719
Amount received in payment for work done on materials owned by others ..	...	55,926	...	8,295
Less adjustments for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above .....	...	...	...	1,640
Total value of shipments and work done .....	...	8,733,133	...	8,895,424

<sup>1</sup> Includes baby and doll carriages, sleighs, toy vehicles, snowmobiles and other products made by less than three firms.

Note: Data for 1960 presented in above table are based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept. While not exactly comparable with 1961 figures actual differences are minimal.

TABLE 4. Materials Used: Miscellaneous Vehicle Manufacturers, 1960 and 1961

Material	1960		1961	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Steel:				
Bars..... ton	165	60,240	2,789	531,219
Sheets (less than 3/16 in. thick):				
Plain..... "	140	32,000	410	82,000
Galvanized..... "	2	510	5	1,000
Strip..... "	671	120,000	538	121,097
Structural shapes..... "	200	40,000	425	85,000
Wire..... "	142	25,349	63	12,533
Other iron and steel.....	...	340,132	...	387,280
Non-ferrous metals (all forms, including scrap):				
Aluminum, castings.....	..	10,000	—	—
Aluminum, other forms.....	..	27,964	..	20,685
Brass and bronze.....	..	20	—	—
Other materials:				
Lumber (including plywood).....	...	10,397	...	112,412
Wheels..... No.	3,800	25,113	10,240	61,840
Leather.....	...	53,695	...	137,484
Fabrics.....	...	72,238	...	69,579
Paint and varnish.....	...	50,645	...	58,904
All other materials <sup>1</sup> .....	...	3,079,948	...	2,540,395
Totals.....	...	3,948,251	...	4,221,428

<sup>1</sup> No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$55,098 in 1960 and \$41,480 in 1961 and these amounts are included in "All other materials". The value of shipments of these small establishments was \$100,081 in 1960 and \$134,541 in 1961.

Note: Data for 1960 presented in above table are based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept. While not exactly comparable with 1961 figures actual differences are minimal.

TABLE 5. Principal Statistics classified according to Type of Ownership: Miscellaneous Vehicle Manufacturers, 1961

Type	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value of factory shipments
	number		dollars			
Individual ownership.....						
Partnerships.....	6	22	63,490	2,948	45,723	152,023
Incorporated companies.....	6	579	2,123,979	75,481	4,175,705	8,743,401
Totals.....	12	601	2,187,469	78,429	4,221,428	8,895,424

**TABLE 6. Principal Statistics grouped according to Selling Value of Factory Shipments:  
Miscellaneous Vehicle Manufacturers, 1961**

Establishments reporting value of factory shipments	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value of factory shipments
	number			dollars		
Under \$10,000 .....	5	10	24,272	1,748	13,723	52,312
\$ 10,000 to \$ 24,999 .....						
25,000 " 49,999 .....						
50,000 " 99,999 .....	3	38	120,799	3,824	196,130	378,721
100,000 " 199,999 .....						
500,000 " 999,999 .....	4	553	2,042,398	72,857	4,011,575	8,464,391
1,000,000 " 4,999,999 .....						
<b>Totals</b> .....	<b>12</b>	<b>601</b>	<b>2,187,469</b>	<b>78,429</b>	<b>4,221,428</b>	<b>8,895,424</b>

**TABLE 7. Employees and Their Earnings: Miscellaneous Vehicle Manufacturers, 1961**

Province	Employees					Earnings		
	Supervisory and office		Production and related workers		Total employees	Supervisory and office	Production and related workers	Total earnings
	Male	Female	Male	Female				
	number					dollars		
Quebec .....	25	8	212	1	246	243,090	602,470	845,560
Ontario .....	30	23	180	77	310	286,819	828,490	1,115,309
Other provinces .....	15	2	28	—	45	99,200	127,400	226,600
Canada .....	70	33	420	78	601	629,109	1,558,360	2,187,469

**TABLE 8. Production Workers, By Months: Miscellaneous Vehicle Manufacturers, 1961**

Month	Establishments reporting monthly detail <sup>1</sup>	
	Male	Female
January .....	427	70
February .....	417	75
March .....	399	102
April .....	387	96
May .....	387	66
June .....	384	58
July .....	407	64
August .....	431	88
September .....	407	104
October .....	431	81
November .....	420	76
December .....	424	61
Average for establishments reporting monthly detail .....	410	78
Average for small establishments <sup>2</sup> .....	10	—
Average for all establishments .....	420	78

<sup>1</sup> The number of production workers, by months, was collected only for large establishments.

<sup>2</sup> The monthly detail of production workers was not collected for small establishments. Only annual averages were collected from these establishments.



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TRANSPORTATION EQUIPMENT INDUSTRIES

TABLE 9. Fuel and Electricity Used: Miscellaneous Vehicle Manufacturers, 1961

Kind		Quantity	Cost at plant
			\$
1. Establishments reporting commodity detail: <sup>1</sup>			
Bituminous coal:			
(a) From Canadian mines .....	ton	157	3,036
(b) Imported .....	"	737	9,062
Anthracite coal .....	"	3	90
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	20,540	7,958
Fuel oil including kerosene or coal oil .....	"	126,200	15,079
Wood .....	cord	8	48
Gas:			
(a) Liquefied petroleum gases .....	Imp. gal.	327	131
(b) Natural gas .....	M cu. ft.	3,175	3,289
Electricity purchased .....	kwh.	2,068,560	37,046
2. Estimate for establishments for which no data were collected: <sup>2</sup>			
Cost of fuel and electricity .....		...	2,690
3. All establishments:			
Total cost of fuel and electricity .....		...	78,429

<sup>1</sup> Large establishments.

<sup>2</sup> Small establishments.