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MISCELLANEOUS VEHICLE MANUFACTURERS

1960

Formerly The Miscellaneous Vehicle Transportation Equipment Industry

ANNUAL CENSUS OF MANUFACTURES

Published by Authority of the Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

February 1963
6523-684

Price: 50 cents

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 1960 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. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

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 1960 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, ware-

housing 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 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 refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

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

Inventories

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

Value added by Manufacturing

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

Standard Industrial Classification

The revised Standard Industrial Classification which has been 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. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. 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.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

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

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

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.

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. This practice was followed again in 1960.

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.

MISCELLANEOUS VEHICLE MANUFACTURERS

1960

Data presented in this report under the heading of Miscellaneous Vehicle Manufacturers reflect implementation of the revised Standard Industrial Classification (SIC) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics—see item “Standard Industrial Classification” in the Explanatory Notes section of this report. For statistical purposes the industry titled Miscellaneous Vehicle Manufacturers in the revised Standard Industrial Classification covers 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.

In many instances, adoption of the new Standard Industrial Classification effected a shifting of manufacturing establishments as between industry groupings. Where this has occurred an attempt has been made to re-compile 1957, 1958 and 1959 data on the revised Standard Industrial Classification basis for purposes of comparability. The revised series of statistics in accordance with the new SIC for Miscellaneous Vehicle Manufacturers is presented in Table 1B.

There were 15 establishments classified as Miscellaneous Vehicle Manufacturers in 1960; there

being 3 in Newfoundland, 4 in Quebec, 5 in Ontario, 1 in Saskatchewan and 2 in Alberta. Employees in this industry numbered 607; salaries and wages totalled \$2,090,623; materials used in the manufacturing processes cost \$3,948,251; and factory shipments were valued at \$8,733,133.

The principal products were horse-drawn wheeled vehicles, baby and doll carriages, sleighs, snowmobiles and toy vehicles.

Note: Due to lack of industry 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.

**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 ¹	Gross selling value of products ¹
	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

¹ See note to text.

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, 1957-60

Basis: Standard Industrial Classification, revised 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 ¹	Value of factory shipments
	number				dollars		
1957							
Newfoundland	4	8	17,000	1,100	27,600		58,000
New Brunswick							
Quebec	8	187	588,799	20,725	880,633		2,672,381
Ontario	3	378	1,314,741	54,571	1,890,738		4,047,646
Saskatchewan							
Alberta							
Canada	18	573	1,920,540	76,396	2,798,971		6,778,027
1958							
Newfoundland	3	9	20,800	4,816	13,600		62,620
Quebec	4	171	576,920	19,710	1,363,209		2,900,155
Ontario	3	316	1,120,797	47,835	1,442,156		3,050,885
Saskatchewan	3	45	138,062	5,380	550,557		690,030
Alberta							
British Columbia							
Canada	13	541	1,856,579	77,741	3,369,522		6,703,690
1959							
Newfoundland	3	7	15,445	2,455	15,120		52,100
Quebec	4	197	643,323	23,194	1,944,744		4,420,558
Ontario	5	388	1,533,039	50,472	2,258,654		4,343,067
Alberta							
Canada	12	592	2,191,807	76,121	4,218,518		8,815,725
1960							
Newfoundland	3	8	14,896	2,077	15,919	33,804	51,800
Quebec	4	229	739,470	21,305	2,181,274	3,095,529	5,094,377
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							
Canada	15	607	2,090,623	74,393	3,948,251	4,960,513	8,733,133

¹ The changeover to the new classification has delayed the recompilation of "Value added" figures for these years and same will not be available until the next issue of this report.

TABLE 2. Inventories:¹ Miscellaneous Vehicle Manufacturers, 1960

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Newfoundland	588	—	—	588
Quebec	580,422	35,000	239,839	855,261
Ontario	355,919	116,026	133,315	605,260
Saskatchewan	82,103	39,672	297,637	419,412
Alberta				
Canada	1,019,032	190,698	670,791	1,880,521
Closing:				
Newfoundland	503	—	—	503
Quebec	374,549	169,500	309,072	853,121
Ontario	378,891	145,355	74,528	598,774
Saskatchewan	97,423	82,099	330,961	510,483
Alberta				
Canada	851,366	396,954	714,561	1,962,881

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

TABLE 3. Factory Shipments: Miscellaneous Vehicle Manufacturers, 1960

Product	Quantity	Value of factory shipments
	No.	\$
Complete wheeled vehicles (horse-drawn)	1,703	228,242
Hubs, spokes, bent goods, etc. (wood) .....	...	12,015
Other parts for horse-drawn vehicles .....	...	7,000
Bodies and boxes only (for automobiles and trucks) .....	...	10,000
All other products ¹ .....	...	8,419,950
Amount received in payment for work done on materials owned by others ....	...	55,926
Total value of shipments and work done .....	...	8,733,133

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

TABLE 4. Materials Used: Miscellaneous Vehicle Manufacturers, 1960

Material	Quantity	Cost at works
		\$
Steel:		
Bars	ton 165	60,240
Sheets (less than 3/16 in. thick):		
Plain	" 140	32,000
Galvanized	" 2	510
Strip	" 671	120,000
Structural shapes	" 200	40,000
Wire	" 142	25,349
Other iron and steel .....	...	340,132
Non-ferrous metals (all forms, including scrap):		
Aluminum, castings .....	..	10,000
Aluminum, other forms .....	..	27,964
Brass and bronze .....	..	20
Other materials:		
Lumber (including plywood) .....	...	10,397
Wheels	No. 3,800	25,113
Leather .....	...	53,695
Fabrics .....	...	72,238
Paint and varnish .....	...	50,645
All other materials ¹ .....	...	3,079,943
Totals		3,948,251

¹ No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$100,000. The total estimated value of materials used by these firms was \$55,098, and this amount is included in "All other materials".

TABLE 5. Principal Statistics classified according to Type of Ownership: Miscellaneous Vehicle Manufacturers, 1957 and 1960

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		
1957						
Individual ownership	9	17	43,461	1,835	33,673	105,275
Partnerships	3	6	13,000	900	12,000	33,000
Incorporated companies	6	550	1,864,079	73,661	2,753,298	6,639,752
Totals	18	573	1,920,540	76,396	2,798,971	6,778,027
1960						
Individual ownership	}	17	45,766	2,801	44,197	112,741
Partnerships		590	2,044,857	71,592	3,904,054	8,620,392
Incorporated companies		15	607	2,090,623	74,393	3,948,251
Totals						8,733,133

**TABLE 6. Principal Statistics grouped according to Selling Value of Factory Shipments:
Miscellaneous Vehicle Manufacturers, 1957 and 1960**

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			
1957						
Under \$10,000	9	12	24,000	1,100	14,200	44,000
\$ 10,000 to \$ 24,999	3	8	17,000	1,000	31,000	61,000
25,000 " 49,999						
50,000 " 99,999						
100,000 " 199,999	3	91	303,521	10,026	594,971	1,214,058
500,000 " 999,999						
1,000,000 " 4,999,999	3	462	1,576,019	64,270	2,158,800	5,458,969
Totals	18	573	1,920,540	76,396	2,798,971	6,778,027
1960						
Under \$10,000	5	7	11,961	1,323	10,473	27,110
\$ 10,000 to \$ 24,999	4	11	24,045	2,476	39,832	97,947
25,000 " 49,999						
50,000 " 99,999						
100,000 " 199,999	3	103	383,097	11,061	615,130	1,151,585
500,000 " 999,999						
1,000,000 " 4,999,999	3	486	1,671,520	59,533	3,282,816	7,456,491
Totals	15	607	2,090,623	74,393	3,948,251	8,733,133

TABLE 7. Employees and Their Earnings: Miscellaneous Vehicle Manufacturers, 1959 and 1960

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		
1959								
Quebec	27	8	161	1	197	213,403	429,920	643,323
Ontario	34	20	156	84	294	313,100	751,939	1,065,039
Other Provinces	10	38	53	—	101	260,072	223,373	483,445
Canada	71	66	370	85	592	786,575	1,405,232	2,191,807
1960								
Quebec	34	7	187	1	229	232,744	506,726	739,470
Ontario	33	23	161	74	291	295,217	743,793	1,039,010
Other Provinces	36	4	47	—	87	137,414	174,729	312,143
Canada	103	34	395	75	607	665,375	1,425,248	2,090,623

TABLE 8. Production Workers, By Months: Miscellaneous Vehicle Manufacturers, 1960

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	351	83
February	359	85
March	331	85
April	347	82
May	360	89
June	372	79
July	366	66
August	393	69
September	416	75
October	439	73
November	453	55
December	443	57
Average for establishments reporting monthly detail	385	75
Average estimated for small establishments ²	10	—
Average for all establishments	395	75

¹ The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$100,000 and over.

² For establishments generally reporting value of shipments of less than \$100,000, 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 9. Fuel and Electricity Used: Miscellaneous Vehicle Manufacturers, 1960

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal:		
(a) From Canadian mines	ton 70	1,260
(b) Imported	" 748	8,896
Anthracite coal	" 2	65
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 15,235	5,795
Fuel oil including kerosene or coal oil	" 122,338	15,126
Wood	cord 3	30
Gas (a) Liquefied petroleum gases	Imp. gal. 475	190
(b) Natural gas	M cu. ft. 3,064	2,938
Electricity purchased	kwh. 1,808,730	35,648
2. Estimate for establishments for which no data were collected: ²		
Cost of fuel and electricity .....	...	4,445
3. All establishments:		
Total cost of fuel and electricity .....	...	74,393

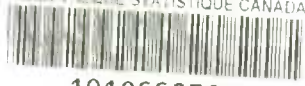
¹ Establishments generally reporting value of shipments of \$100,000 and over.

² Establishments generally reporting value of shipments of less than \$100,000.

Directory of Firms: Miscellaneous Vehicle Manufacturers, 1960

Name	Address
Newfoundland:	
Carnell's Carriage Factory Ltd.	144-150 Duckworth St., St. Johns
Oke's Carriage Factory.....	7-13 Prescott St., St. Johns
Wall, Phillip & Sons	10 George St. E., St. Johns
Quebec:	
De Blois, R.	Ste-Marguerite De Dorchester
La Cie Normand Ltée	St. Pascal
L' Auto-Neige Bombardier Ltée	Valcourt
Normand Frères	Mont-Joli
Ontario:	
Heywood-Wakefield Co. of Canada Ltd.	Forest Ave., Orillia
Johnson Wheel Chair Mfg. Co.	96 Advance Rd., Toronto
McFarlane Gendron Mfg. Co. Ltd.	137 Duchess St., Toronto
Page Mfg. Co. Ltd.	40 Page St., St. Catharines
Peterboro Sulky & Jog Cart	R.R. #9, Peterborough
Saskatchewan:	
Ingham Motor Toboggans	Box 148, Lanigan
Alberta:	
Davey Products	11146-63rd. St., Edmonton
Nodwell, Robin, Mfg. Ltd.	50th Ave. & 1st St. S.E., Calgary

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