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# THE AGRICULTURAL IMPLEMENTS 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 classified to the **Iron and Steel Products 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**

**S.C. — Special Compilation**

Catalogue number	Title	Price
41-201	Iron and Steel Products — General Review (A).....	.50
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## 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 AGRICULTURAL IMPLEMENTS INDUSTRY 1959

The Agricultural Implements Industry covers those firms which produced agricultural implements as their main product. However, some firms, which are classified to other industrial groups, produced agricultural implements as a minor part of their production. Tables 5 to 16 attempt to gather together production data from all industrial groups for the specified commodities.

Factory shipments reported by establishments which have been classified to the Agricultural Implements Industry were valued at \$170,742,821 in 1959, an increase of 28.2 per cent over the \$133,145,309 reported in 1958. The output of farm equipment in this industry amounted to \$148,537,360 in 1959, \$125,853,584 in 1958 and \$114,545,989 in 1957; the remainder of the output of the industry in each year was made up of miscellaneous types of machinery and parts. In other industries there was a small production of farm machinery amounting to \$3,436,542 in 1959, \$3,234,377 in 1958 and \$2,614,000 in 1957.

Seventy-one factories were included in the Agricultural Implements Industry in 1959, there being 27 in Ontario, 16 in Manitoba, 9 in Quebec,

7 in each of Saskatchewan and Alberta, 4 in British Columbia and 1 in New Brunswick. The works in Ontario accounted for 92 per cent of the total output.

The industry employed a total of 13,579 workers during the year, the 3,022 salaried employees being paid \$16,325,858 and the 10,557 wage-earners, \$45,415,276. The total of \$61,741,134 for salaries and wages was 30 per cent greater than the amount distributed to the 11,011 employees in 1958.

**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.

**TABLE 1. Principal Statistics of the Agricultural Implements Industry, Significant Years, 1929-59, and by Provinces, 1958 and 1959**

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture <sup>1</sup>	Gross selling value of products <sup>1</sup>
1929 .....	62	11,408	14,775,889	799,634	19,016,981	20,842,864	40,659,479
1933 .....	40	3,039	3,047,501	283,748	2,215,031	2,827,637	5,326,416
1937 .....	37	6,446	7,350,043	567,240	9,319,032	9,075,122	18,961,394
1939 .....	36	5,306	6,024,720	449,158	6,672,529	8,913,536	16,035,223
1944 .....	39	14,053	25,469,083	1,086,700	25,165,749	34,846,344	61,098,793
1946 .....	51	13,866	25,475,108	1,162,059	32,852,259	29,224,224	63,238,542
1949 .....	79	17,074	44,219,589	2,092,645	95,685,026	79,192,612	176,970,283
1955 .....	77	11,753	41,929,040	1,749,126	59,283,305	54,464,347	113,923,309
1956 .....	71	9,838	36,703,578	1,872,226	64,786,280	51,474,339	122,681,025
1957 .....	70	10,271	39,278,116	1,813,015	59,855,771	58,174,333	122,528,538
<b>1958</b>							
Quebec .....	8	290	774,589	49,613	687,067	1,482,290	2,173,633
Ontario .....	27	10,030	44,105,299	1,763,715	72,126,603	54,544,585	122,111,559
Manitoba .....	16	455	1,624,884	88,905	3,447,889	3,177,300	6,389,318
Saskatchewan .....	7	29	125,937	7,903	146,411	307,124	470,558
Alberta .....	8	147	512,952	35,522	598,903	750,822	1,452,975
British Columbia .....	5	60	200,768	13,759	267,441	274,618	547,266
<b>Canada .....</b>	<b>71</b>	<b>11,011</b>	<b>47,344,429</b>	<b>1,959,417</b>	<b>77,274,314</b>	<b>60,536,739</b>	<b>133,145,309</b>
<b>1959</b>							
New Brunswick .....	1	332	901,156	63,487	779,280	1,854,215	2,558,049
Quebec .....	9						
Ontario .....	27	12,544	58,255,517	2,251,198	94,698,736	70,797,906	157,390,395
Manitoba .....	16	506	1,850,990	99,828	4,580,084	3,730,705	8,062,210
Saskatchewan .....	7	39	174,449	8,868	238,275	474,760	712,924
Alberta .....	7	96	323,351	32,496	690,116	649,831	1,289,812
British Columbia .....	4	62	235,671	15,938	291,617	499,181	729,431
<b>Canada .....</b>	<b>71</b>	<b>13,579</b>	<b>61,741,134</b>	<b>2,471,815</b>	<b>101,278,108</b>	<b>78,006,598</b>	<b>170,742,821</b>

<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:				
Quebec .....	353,569	238,164	213,555	805,288
Ontario .....	8,436,740	20,792,780	7,593,737	36,823,257
Manitoba .....	781,856	793,693	698,234	2,273,783
Alberta .....	330,420	60,847	268,521	659,788
Other provinces .....	178,448	46,712	97,592	322,752
<b>Canada .....</b>	<b>10,081,033</b>	<b>21,932,196</b>	<b>8,871,639</b>	<b>40,884,868</b>
Closing:				
Quebec .....	347,351	213,703	376,949	938,003
Ontario .....	12,654,893	29,802,888	8,941,074	51,398,855
Manitoba .....	1,004,200	1,189,823	650,511	2,844,534
Alberta .....	451,202	93,387	318,612	863,201
Other provinces .....	277,229	52,424	178,164	507,817
<b>Canada .....</b>	<b>14,734,875</b>	<b>31,352,225</b>	<b>10,465,310</b>	<b>56,552,410</b>

<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 Agricultural Implements 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 revisions such as 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 revisions, mentioned above.

TABLE 3. Products of the Agricultural Implements Industry, 1938 and 1959

Product	1958		1959	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
<b>Planting, seeding and fertilizing machinery:</b>				
Corn planters—Horse and tractor drawn and tractor mounted .....	810	252,513	1,347	322,746
Transplanters .....	534	130,731	459	117,531
Grain and fertilizer drills (combination) .....	8,469	4,860,758	6,711	4,424,684
Grain drills—Plain and press .....	606	93,763	1,255	637,167
Seed boxes for harrow-plows, one-way discs and tiller-combines ..	2,837	495,369	4,299	868,394
Manure spreaders .....	4,165	1,646,068	5,502	2,591,897
Manure loaders .....	—	—	—	23,854
All other planting, seeding and fertilizing machines .....	—	31,271	—	123,635
<b>Plows:</b>				
<b>Walking plows:</b>				
1-furrow .....	140	3,954	262	3,144
2-furrow .....	—	—	—	—
Riding gang plows—2-furrow .....	543	112,150	—	—
Mouldboard plows—Tractor-drawn or tractor mounted .....	14,285	1,832,764	20,475	3,968,268
Disc plows—Tractor-drawn .....	1,786	512,249	832	176,202
Harrow-plows, one-way discs, tiller-combines .....	4,158	2,756,107	3,996	2,729,449
All other plows .....	21,494	532,206	71	30,728
<b>Tilling, cultivating and weeding machines:</b>				
<b>Harrows:</b>				
Drag (sections) .....	20,856	216,401	33,034	359,743
Spring-tooth (sections) .....	3,535	118,503	2,481	115,741
<b>Disc—Horse or tractor drawn:</b>				
Under 12' .....	3,362	1,410,258	1,203	326,459
12' or over .....	912	494,015	3,150	2,064,931
Tandem tractor disc .....	6,884	1,730,034	10,163	2,761,968
Land rollers .....	3,714	276,541	59	3,100
Soil packers .....	886	68,247	3,850	296,499
Scufflers and horse hoes .....	541	72,469	171	2,223
<b>Field cultivators:</b>				
Horse and tractor drawn .....	7,345	2,195,866	7,655	3,216,224
Tractor-mounted .....	1,394	201,344	8,380	1,503,581
Rod weeders .....	1,585	333,255	2,836	683,445
Blade weeders .....	—	—	—	—
Other tilling, cultivating and weeding machines .....	—	2,092,192	—	3,059,684
<b>Haying machinery:</b>				
<b>Mowers:</b>				
Horse-drawn .....	177	37,214	52	11,300
Tractor-drawn or mounted .....	16,851	4,177,918	30,553	6,996,797
Hay loaders .....	149	30,525	828	71,795
Dump rakes .....	223	25,673	37	4,320
Side rakes and tedders .....	8,556	4,846,314	9,724	3,412,800
All other haying machinery (including hay balers, hay carriers, etc.) .....	—	10,563,119	—	10,593,200

TABLE 3. Products of the Agricultural Implements Industry, 1958 and 1959 - Concluded

Product	1958		1959	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
<b>Harvesting machinery:</b>				
Combine reaper-threshers and stationary threshers.....	14,636	41,470,345	17,953	50,771,682
Swathers and windrowers.....	4,913	5,402,047	5,147	4,788,852
Pick-up attachments for combines.....	1,805	300,815	2,984	496,979
Potato diggers - horse or tractor drawn.....	23	6,715	5	1,500
All other harvesting machines (including headers, push harvesters, barge elevators, etc.).....	-	1,056,574	-	1,534,929
<b>Machines for preparing crops for market or use:</b>				
Ensilage cutters.....	53	52,390	56	56,216
Grain grinders.....	3,139	179,072	2,523	151,049
Fanning mills or grain cleaners.....	992	279,290	903	285,486
Hammermills.....	328	71,464	192	39,211
Feed mixers.....	1	75	97	35,502
Grain loaders and elevators.....	4,612	697,237	3,770	789,028
All other machines for preparing crops for market or use.....	-	89,162	-	300,250
<b>Tractors and engines:</b>				
Garden tractors (including motor tillers).....	9	957	-	-
<b>Spraying and dusting equipment:</b>				
All types (including attachments).....	-	1,179,240	-	1,259,354
<b>Farm wagons, trucks and sleighs:</b>				
Wagon boxes.....	825	201,604	706	257,266
Wagon gears (standard).....	1,024	130,698	1,991	269,079
Farm trucks (low wheel - Steel or wood).....	1,635	238,530	608	67,948
Rubber-tired gears or trailers.....	4,611	438,592	4,950	499,459
Sleighs.....	392	19,981	237	14,229
All other farm wagons, sleighs and trucks.....	-	76,401	-	60,097
<b>Domestic water systems and pumps:</b>				
Domestic water-pressure systems and power-pumps.....	1,178	100,955	1,712	135,201
All other systems and pumps.....	-	42,752	-	95,701
<b>Dairy machinery and equipment, including cream separators, milking machines, etc.....</b>				
	-	2,310,710	-	2,310,000
<b>Miscellaneous farm implements and machinery.....</b>				
	-	9,596,103	-	14,971,835
<b>Parts and accessories for farm implements and machinery.....</b>				
	-	19,762,084	-	17,844,988
<b>Total farm machinery and parts.....</b>	<b>-</b>	<b>125,853,584</b>	<b>-</b>	<b>148,537,360</b>
Amount received for custom work and repairs.....	-	140,178	-	142,674
All other products.....	-	7,151,547	-	22,062,787
<b>Total all products.....</b>	<b>-</b>	<b>133,145,309</b>	<b>-</b>	<b>170,742,821</b>



TABLE 4. Materials Used in the Agricultural Implements Industry, 1958 and 1959

Material	1958		1959		
	Quantity	Total cost at works \$	Quantity	Total cost at works \$	
<b>Iron:</b>					
Pig iron, all grades .....	ton	8,240	515,263	10,031	616,698
<b>Castings (rough and semi-finished received from foundry):</b>					
Iron (gray and malleable) .....	"	27,184	5,836,692	37,346	8,893,601
Steel .....	"	1,889	661,335	1,289	683,494
<b>Steel, hot or cold rolled (except special alloy steel):</b>					
Bars .....	"	51,444	7,737,331	68,578	10,308,110
Plates .....	"	7,287	1,139,505	11,082	1,729,932
Sheets, plain .....	"	37,017	4,973,899	49,778	6,553,941
Sheets, galvanized .....	"	5,668	968,611	5,680	981,025
Tin plate .....	"	6	1,800	441	66,245
Strip .....	"	4,479	762,516	3,943	667,290
Structural shapes (angles, channels, etc.) .....	"	16,283	2,387,279	17,945	2,695,245
Wire .....	"	419	84,745	613	122,779
Scrap iron and steel of all kinds .....	"	12,504	522,058	16,124	671,028
Pipe, tubing and fittings of iron and steel .....		—	1,985,024	—	2,566,359
Other iron and steel (except finished parts) .....		—	489,492	—	1,121,224
<b>Alloy steel:</b>					
Carbon and alloy tool steels, including high-speed .....		—	53,972	—	91,362
Stainless steels .....		—	379,292	—	443,922
Other alloy steels .....		—	345,343	—	603,904
Ferro-alloys .....		—	81,071	—	82,587
<b>Non-ferrous metals (all forms, including scrap):</b>					
Aluminum—Castings .....	pound	54,361	33,349	112,400	56,181
Sheet .....	"	22,822	12,382	—	—
Other forms .....	"	34,355	12,487	29,143	9,102
Brass and bronze .....	"	148,815	68,325	139,276	67,650
Lead .....	"	9,222	1,753	11,905	2,042
Nickel .....	"	70,000	42,735	—	—
Tin .....	"	1,500	1,797	1,200	1,438
Zinc .....	"	176,700	26,712	229,916	29,255
Babbitt metals and solder .....	"	6,313	6,518	2,591	4,063
Other non-ferrous metals .....		—	52,707	—	61,860
<b>Other materials and supplies:</b>					
Paints, oils and varnishes .....		—	1,019,856	—	1,124,352
Cotton, duck and other textiles .....		—	470,795	—	296,953
Foundry coke (used in cupola, not for heat or power) .....	ton	4,687	153,200	5,878	178,533
Foundry sands .....	"	6,725	59,702	8,867	90,476
Lumber .....	M ft. b.m.	7,176	751,799	4,623	582,061
Fireclay .....	ton	515	9,624	606	12,482
Cupola blocks and firebrick .....		—	26,217	—	29,093
Core oil .....	Imp. gal.	14,938	15,207	19,850	19,876
Shipping containers .....		—	397,466	—	334,102
All other materials and supplies <sup>1</sup> .....		—	45,186,355	—	59,479,843
<b>Totals</b> .....		—	<b>77,274,314</b>	—	<b>101,278,108</b>

<sup>1</sup> No detailed information on materials used was collected from firms generally reporting the value of shipments of less than \$200,000. The total value of materials used by these firms was \$1,113,985 and this amount is included in "all other materials and supplies".

TABLE 5. Production of Plows,<sup>1</sup> 1950-59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	41,709	7,918,510	1955 .....	24,210	4,163,342
1951 .....	44,446	8,916,831	1956 .....	19,573	3,272,497
1952 .....	39,902	9,285,252	1957 .....	13,848	2,269,105
1953 .....	21,577	4,402,949	1958 .....	38,248	2,993,323
1954 .....	15,443	2,979,804	1959 .....	21,640	4,178,342

<sup>1</sup> Not including harrow-plows, one-way discs or tiller-combines. Factory shipments since 1952.

TABLE 6. Production<sup>1</sup> of Mowers, 1950-59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	16,658	2,708,979	1955 .....	19,579	4,988,324
1951 .....	16,540	2,617,253	1956 .....	14,739	3,497,691
1952 .....	22,050	4,013,947	1957 .....	12,225	3,003,322
1953 .....	13,930	2,717,178	1958 .....	17,028	4,215,132
1954 .....	7,006	1,389,653	1959 .....	30,605	7,008,097

<sup>1</sup> Factory shipments since 1952.

TABLE 7. Production<sup>1</sup> of Harrows, 1950-59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	97,047	5,290,631	1955 .....	50,352	3,058,704
1951 .....	72,068	6,802,840	1956 .....	44,016	2,943,638
1952 .....	85,643	6,983,941	1957 .....	49,602	3,115,134
1953 .....	88,906	6,069,265	1958 .....	35,549	3,969,211
1954 .....	65,365	2,676,529	1959 .....	50,031	5,628,842

<sup>1</sup> Factory shipments since 1952.

TABLE 8. Production<sup>1</sup> of Grain Binders, 1950-59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	6,147	2,306,723	1955 .....	94	64,805
1951 .....	3,557	1,409,554	1956 .....	312	142,723
1952 .....	5,398	2,347,188	1957 .....	65	12,644
1953 .....	1,763	800,916	1958 .....	—	—
1954 .....	320	163,082	1959 .....	—	—

<sup>1</sup> Factory shipments since 1952.

TABLE 9. Production<sup>1</sup> of Threshers and Reaper-Threshers, 1950 - 59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	18,973	41,449,898	1955 .....	11,621	36,465,347
1951 .....	22,384	56,212,282	1956 .....	10,742	36,506,209
1952 .....	24,562	69,632,328	1957 .....	9,669	34,186,270
1953 .....	21,870	61,825,147	1958 .....	14,645	41,482,845
1954 .....	12,891	37,433,104	1959 .....	18,134	51,074,277

<sup>1</sup> Factory shipments since 1952.TABLE 10. Production<sup>1</sup> of Seed Drills, 1950 - 59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	11,704	4,247,621	1955 .....	1,881	775,703
1951 .....	11,902	5,597,882	1956 .....	1,024	439,171
1952 .....	10,629	4,671,475	1957 .....	994	497,724
1953 .....	7,669	3,164,105	1958 .....	606	93,763
1954 .....	3,848	1,617,099	1959 .....	1,255	637,167

<sup>1</sup> Factory shipments since 1952.TABLE 11. Production<sup>1</sup> of Cream Separators, 1950 - 59 (from All Industries)

Year	300 pounds and under		Over 300 pounds		Total	
	Number	Selling value at works	Number	Selling value at works	Number	Selling value at works
		\$		\$		\$
1950 .....	336	7,884	3,331	403,943	3,667	411,827
1951 .....	577	24,413	5,291	730,004	5,868	754,417
1952 .....	656	29,398	5,632	692,304	6,288	721,702
1953 .....	—	—	3,426	389,292	3,426	389,292
1954 .....	—	—	3,227	373,580	3,227	373,580
1955 .....	—	—	1,600	180,774	1,600	180,774
1956 .....	184	15,814	511	52,241	695	68,055
1957 .....	351	44,740	—	—	351	44,740
1958 .....	62	5,986	—	—	62	5,986
1959 .....	—	—	—	—	—	—

<sup>1</sup> Factory shipments since 1952.TABLE 12. Production<sup>1</sup> of One-way Discs, Harrow-Plows and Tiller-Combines, 1950 - 59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	29,498	10,083,519	1955 .....	3,279	1,719,731
1951 .....	23,102	8,819,419	1956 .....	4,392	2,678,895
1952 .....	21,034	9,958,121	1957 .....	4,403	3,140,278
1953 .....	17,073	7,914,542	1958 .....	4,158	2,756,107
1954 .....	8,006	4,048,150	1959 .....	3,996	2,729,449

<sup>1</sup> Factory shipments since 1952.

TABLE 13. Production<sup>1</sup> of Cultivators, 1950-59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	27,999	5,115,228	1955 .....	12,870	2,809,700
1951 .....	28,318	4,836,787	1956 .....	13,726	3,752,537
1952 .....	28,429	5,361,483	1957 .....	11,222	3,627,464
1953 .....	13,558	3,466,288	1958 .....	12,606	3,323,643
1954 .....	9,649	2,566,451	1959 .....	21,394	6,637,961

<sup>1</sup> Factory shipments since 1952.

TABLE 14. Production<sup>1</sup> of Weeders and Corn Planters, 1950-59 (from All Industries)

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1950 .....	2,157	419,867	151	27,865
1951 .....	2,515	475,197	3,133	342,496
1952 .....	2,105	436,855	2,238	184,310
1953 .....	2,206	474,441	1,850	132,172
1954 .....	2,216	607,541	1,201	164,804
1955 .....	1,658	480,158	1,608	223,123
1956 .....	1,577	314,143	1,352	218,472
1957 .....	1,995	430,661	2,079	454,276
1958 .....	1,585	333,255	810	252,513
1959 .....	2,836	683,445	1,347	322,746

<sup>1</sup> Factory shipments since 1952.

TABLE 15. Production<sup>1</sup> of Hay Loaders and Hay Rakes, 1950-59 (from All Industries)

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1950 .....	6,674	1,079,047	15,943	2,303,098
1951 .....	6,467	1,119,685	16,298	2,497,341
1952 .....	6,019	1,175,843	18,744	3,211,930
1953 .....	4,755	954,059	11,539	2,280,599
1954 .....	1,674	398,565	7,773	1,790,724
1955 .....	1,272	286,545	9,937	2,184,269
1956 .....	304	63,975	6,987	1,155,490
1957 .....	212	54,052	7,204	2,079,693
1958 .....	149	30,525	8,784	4,872,487
1959 .....	828	71,795	9,767	3,417,620

<sup>1</sup> Factory shipments since 1952.

TABLE 16. Production<sup>1</sup> of Manure Spreaders, 1950-59 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1950 .....	7,000	1,493,878	1955 .....	5,276	1,782,546
1951 .....	8,769	2,260,385	1956 .....	4,531	1,591,328
1952 .....	8,440	2,600,927	1957 .....	3,643	1,347,669
1953 .....	11,821	3,954,225	1958 .....	4,165	1,646,068
1954 .....	6,024	2,148,507	1959 .....	5,502	2,591,897

<sup>1</sup> Factory shipments since 1952.

TABLE 17. Production, Imports and Exports of Agricultural Implements and Parts, 1950-59

Year	Production	Imports	Exports
	dollars		
1950 .....	141,674,000	161,642,000	87,811,000
1951 .....	162,349,000	195,082,000	106,438,000
1952 .....	194,688,000	197,266,000	105,408,000
1953 .....	159,851,000	209,143,000	74,316,000
1954 .....	113,089,000	143,163,000	76,771,000
1955 .....	109,701,000	178,248,000	76,010,000
1956 .....	117,656,000	232,148,000	67,477,000
1957 .....	117,896,000	202,222,000	69,676,000
1958 .....	129,088,000	198,295,000	97,594,000
1959 .....	151,974,000	273,821,000	114,695,000

Note: In Table 17 production values are computed at factory selling prices, the import values are based on fair market prices in countries of origin, and export values represent the amounts actually received for goods, exclusive of freight, insurance and other handling charges. Details of imports and exports are shown in Tables 25 and 26.

TABLE 18. Farm Implement and Equipment Sales, (including Repair Parts) by Provinces, 1955-59

Province	1955	1956	1957	1958	1959
	dollars				
<b>Canada</b> .....	<b>181,576,398</b>	<b>202,592,127</b>	<b>183,721,649</b>	<b>205,993,039</b>	<b>251,118,817</b>
Atlantic provinces .....	7,843,010	8,485,890	6,369,173	6,897,786	7,691,565
Quebec .....	24,454,624	26,630,438	27,954,950	30,455,335	31,688,077
Ontario .....	50,053,037	49,265,892	46,152,225	50,060,232	58,611,525
Manitoba .....	18,609,712	22,532,551	18,699,296	21,530,215	28,571,930
Saskatchewan .....	40,328,513	50,104,179	41,568,005	46,421,324	61,396,984
Alberta .....	34,380,094	39,676,998	38,213,577	45,504,705	56,426,827
British Columbia .....	5,907,408	5,896,179	4,764,423	5,123,442	6,731,909

Note: In Table 18 the values are based on distributors' wholesale prices. The details of sales are given in a separate report (Catalogue No. 63-203) which may be obtained by applying to the Dominion Bureau of Statistics, Ottawa, Canada.

TABLE 19. Number of Specified Machines on Farms, 1951 (according to last Decennial Census)

Province	Auto-mobiles	Motor trucks	Tractors	Gasoline engines	Threshing machines	Grain binders	Grain combines	Mowing machines	Milking machines	Electric motors
	number									
Newfoundland .....	185	507	126	136	5	4	—	737	66	131
Prince Edward Island	4, 147	1, 679	2, 776	3, 813	2, 973	5, 956	18	7, 720	454	1, 754
Nova Scotia .....	6, 970	5, 687	4, 307	2, 178	826	2, 101	16	16, 114	1, 903	3, 861
New Brunswick .....	7, 999	4, 786	5, 221	2, 439	2, 450	4, 149	211	16, 288	1, 901	3, 471
Quebec .....	41, 602	19, 167	31, 971	30, 692	30, 360	43, 467	420	103, 936	18, 238	43, 638
Ontario .....	114, 870	41, 486	105, 204	20, 243	15, 946	85, 135	10, 031	112, 567	38, 740	84, 679
Manitoba .....	32, 060	21, 163	50, 984	17, 370	9, 425	31, 410	15, 268	37, 856	2, 302	18, 850
Saskatchewan .....	62, 963	52, 626	106, 664	55, 763	19, 221	70, 584	42, 997	63, 838	2, 330	12, 711
Alberta .....	46, 314	39, 723	79, 282	46, 003	14, 768	57, 930	20, 852	53, 468	4, 469	20, 925
British Columbia .....	12, 557	9, 291	13, 148	4, 407	717	2, 638	687	10, 743	3, 788	6, 661
Yukon .....	—	7	3	7	—	—	—	5	—	—
<b>Canada .....</b>	<b>329, 667</b>	<b>196, 122</b>	<b>399, 686</b>	<b>183, 051</b>	<b>96, 691</b>	<b>303, 374</b>	<b>90, 500</b>	<b>423, 272</b>	<b>74, 191</b>	<b>196, 681</b>

TABLE 20. Principal Statistics of the Agricultural Implements Industry, classified according to Type of Ownership, 1958 and 1959

Type	Estab-lish-ments	Em-ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1958					
Individual ownership .....	11	51	112, 920	154, 208	432, 429
Partnerships .....	4	34	89, 690	117, 831	219, 472
Incorporated companies .....	55	10, 926	47, 141, 819	77, 002, 275	132, 493, 408
Co-operatives .....	1				
<b>Totals .....</b>	<b>71</b>	<b>11, 011</b>	<b>47, 344, 429</b>	<b>77, 274, 314</b>	<b>133, 145, 309</b>
1959					
Individual ownership .....	9	27	64, 469	118, 991	321, 318
Partnerships .....	3	19	52, 221	71, 462	127, 662
Incorporated companies .....	57	13, 533	61, 624, 444	101, 087, 655	170, 293, 841
Co-operatives .....	2				
<b>Totals .....</b>	<b>71</b>	<b>13, 579</b>	<b>61, 741, 134</b>	<b>101, 278, 108</b>	<b>170, 742, 841</b>

**TABLE 21. Principal Statistics of the Agricultural Implements Industry in Canada, grouped according to Value of Factory Shipments, 1958 and 1959**

Establishments reporting value of factory shipments	Estab-lish-ments	Em-ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
<b>1958</b>					
Under \$10,000 .....	6	9	10,914	17,756	32,039
\$ 10,000 to \$ 24,999 .....	11	35	63,475	78,460	187,183
25,000 " 49,999 .....	7	36	93,722	129,357	250,101
50,000 " 99,999 .....	9	134	276,824	246,683	634,599
100,000 " 199,999 .....	10	154	439,693	472,507	1,430,416
200,000 " 499,999 .....	10	332	1,090,425	1,232,572	3,097,782
500,000 " 999,999 .....	8	548	1,863,747	2,598,904	6,245,497
1,000,000 " 4,999,999 .....	5	789	2,922,633	4,838,718	8,899,898
5,000,000 and over .....	5	8,969	40,513,478	69,659,357	112,367,794
Head offices .....	—	5	69,518	—	—
<b>Totals .....</b>	<b>71</b>	<b>11,011</b>	<b>47,344,429</b>	<b>77,274,314</b>	<b>133,145,309</b>
<b>1959</b>					
Under \$10,000 .....	9	8	9,420	15,085	30,829
\$ 10,000 to \$ 24,999 .....	10	39	68,758	67,506	180,345
25,000 " 49,999 .....	4	27	57,704	3,184	166,838
50,000 " 99,999 .....	9	94	239,979	285,160	638,035
100,000 " 199,999 .....	10	241	549,833	613,810	1,526,219
200,000 " 499,999 .....	9	226	848,997	1,025,932	2,869,817
500,000 " 999,999 .....	7	438	1,594,739	3,019,160	5,836,119
1,000,000 " 4,999,999 .....	7	1,022	3,777,986	6,373,808	13,277,162
5,000,000 and over .....	6	11,480	54,509,163	89,789,213	146,217,457
Head offices .....	—	4	84,555	—	—
<b>Totals .....</b>	<b>71</b>	<b>13,579</b>	<b>61,741,134</b>	<b>101,278,108</b>	<b>170,742,821</b>

**TABLE 22. Capital and Repair Expenditures in the Agricultural Implements 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 .....	737	1,665	2,402	748	2,205	2,953	5,355
1956 .....	1,329	2,126	3,455	787	1,928	2,715	6,170
1957 .....	1,162	2,902	4,064	918	2,266	3,184	7,248
1958 .....	1,204	4,086	5,290	794	3,031	3,825	9,115
1959 <sup>P</sup> .....	421	3,166	3,587	564	2,247	2,811	6,398

<sup>P</sup> Preliminary figures.

**TABLE 23. Employees and their Earnings in the Agricultural Implements Industry, by Provinces, 1958 and 1959**

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
<b>1958</b>								
Quebec .....	47	11	228	4	290	225,974	548,615	774,589
Ontario .....	1,923	525	7,495	87	10,030	12,207,535	31,897,764	44,105,299
Manitoba .....	58	25	369	3	455	511,387	1,113,497	1,624,884
Saskatchewan .....	9	1	19	—	29	46,382	79,555	125,937
Alberta .....	33	9	100	2	147	171,898	341,054	512,952
British Columbia .....	10	1	49	—	60	42,018	158,750	200,768
<b>Canada .....</b>	<b>2,083</b>	<b>572</b>	<b>8,260</b>	<b>96</b>	<b>11,011</b>	<b>13,205,194</b>	<b>34,139,235</b>	<b>47,344,429</b>
<b>1959</b>								
Quebec and New Brunswick ...	53	12	263	4	332	260,484	640,672	901,156
Ontario .....	2,256	560	9,636	92	12,544	15,273,002	42,982,515	58,255,517
Manitoba .....	63	25	415	3	506	572,322	1,278,668	1,850,990
Saskatchewan .....	11	1	27	—	39	65,682	108,767	174,449
Alberta .....	22	6	67	1	96	106,757	216,594	323,351
British Columbia .....	11	2	49	—	62	47,611	188,060	235,671
<b>Canada .....</b>	<b>2,416</b>	<b>606</b>	<b>10,457</b>	<b>100</b>	<b>13,579</b>	<b>16,325,858</b>	<b>45,415,276</b>	<b>61,741,134</b>

**TABLE 24. Production Workers, by Months, 1959**

Month	Establishments reporting monthly detail <sup>1</sup>	
	Male	Female
January .....	9,630	86
February .....	10,442	85
March .....	10,861	89
April .....	10,955	92
May .....	11,162	100
June .....	11,139	99
July .....	10,727	98
August .....	8,445	100
September .....	9,723	100
October .....	9,872	99
November .....	9,633	116
December .....	9,345	112
Average for establishments reporting monthly detail .....	10,161	97
Average estimated for small establishments <sup>2</sup> .....	296	3
Average for all establishments .....	10,457	100

<sup>1</sup> The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$200,000 and over.

<sup>2</sup> For establishments generally reporting value of shipments of less than \$200,000, 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 25. Imports of Agricultural Implements, 1958 and 1959

Item	1958		1959	
	Quantity	Value \$	Quantity	Value \$
Cream separators ..... No.	7,434	877,078	9,834	1,012,771
Cream separator parts .....	—	134,486	—	147,792
Milk clarifiers and complete parts .....	—	40,621	—	9,588
Milking machines, and attachments therefor; centrifugal machines for testing butter fat, milk or cream, and complete parts of articles specified in this item.....	—	2,323,533	—	2,122,163
Pasteurizers for dairying purposes, and complete parts No.	273	465,029	287	499,148
Dairy machinery, viz: power churns, power milk coolers, power fillers and cappers, power ice-cream mixers, power butterprinters, power cream savers, power bottle sterilizers, power brine tanks, power milk bottle washers, power milk can washers; ice-breaking machines, valveless or centrifugal milk pumps, sanitary milk and cream vats; none of the foregoing machinery to include motive power .....	—	4,229,334	—	3,036,712
Forks, pronged ..... doz.	8,050	77,511	9,606	100,291
Harvesters, self-binding or not, and binding attachments and parts ..... No.	1,328	2,271,789	1,598	2,779,639
Hay loaders and parts .....	421	98,525	231	61,840
Hay tedders and parts .....	5	763	—	—
Mowing machines and parts .....	7,687	2,742,566	9,890	3,904,468
Potato diggers and planters, and parts .....	986	583,386	786	914,712
Rakes, horse or power, and parts .....	9,751	3,037,635	9,745	3,463,922
Rakes, n.o.p. .... doz.	37,116	199,788	43,692	209,856
Reapers and parts .....	—	—	—	—
Scythes ..... doz.	4,022	66,796	3,655	64,873
Sickles or reaping hooks .....	2,393	17,775	2,171	17,380
Cultivators, horse hoes, scufflers, weeders, and parts ...	—	4,922,920	—	7,183,512
Drills, seed, garden seeders, and parts .....	—	1,681,901	—	2,200,192
Harrows, disc, and parts .....	—	940,673	—	1,588,894
Harrows and parts n.o.p. ....	—	659,268	—	874,435
Hoes ..... doz.	3,604	27,231	4,182	33,379
Plows, disc, and parts .....	—	707,526	—	762,315
Plows and parts, n.o.p. ....	—	2,423,827	—	3,059,414
Rollers, farm, field, lawn or garden, and soil packers, and parts .....	No. 1,443	60,034	696	77,613
Fanning mills, peaviners and corn-husking machines, and parts .....	" 720	653,515	567	807,661
Harvesters in combination with threshing machine separators, and complete parts .....	" 2,531	19,472,265	3,814	26,979,353
Threshing machine separators .....	" 52	31,603	31	20,772
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts .....	—	208,841	—	139,952
Equipment for generating electric power for farm purposes only, viz.: engine, gas tank, generator, storage battery and switchboard, and complete parts .....	—	56,041	—	70,157
Fodder, feed or ensilage cutters, and parts ..... No.	902	515,447	1,061	670,375

TABLE 25. Imports of Agricultural Implements, 1958 and 1959 - Concluded

Item	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
Fruit and vegetable grading, grating, washing and wiping machines, and combination bagging and weighing machines, and complete parts thereof; machines for topping vegetables, and machines for bunching and tying cut flowers, vegetables and nursery stock, and complete parts thereof; machines for making or lidding boxes for fruit or vegetables; egg-graders and egg-cleaners and complete parts thereof; apparatus for sterilizing bulbs; pressure-testing apparatus for determining maturity of fruit and parts .....	-	793,364	-	1,123,073
Grain crushers and grain or hay grinders and parts .....	No. 3,126	966,634	2,741	939,810
Hay presses and parts .....	" 6,297	8,054,706	7,526	10,339,168
Manure spreaders and parts .....	" 6,624	2,588,602	7,549	3,201,792
Post hole diggers and parts .....	" 3,189	233,736	3,719	209,043
Spades and shovels, of iron or steel, n.o.p. ....	doz. 9,072	120,747	18,896	232,036
Spraying and dusting machines and parts, including hand sprayers and parts .....	-	2,124,141	-	2,027,949
Traction ditching machines (not being plows), and parts .....	No. 113	980,228	83	859,527
Tractors, internal combustion (for farm and other purposes) .....	" 28,157	76,482,366	39,771	115,223,926
Tractors, internal combustion, parts of; traction attachments and parts (for farm and other purposes) .....	-	40,802,518	-	56,844,923
Windmills and complete parts, not including shafting .....	-	12,638	-	-
Pruninghooks and shears and animal dehorning instruments .....	-	179,918	-	152,524
Agricultural implements and parts, other .....	-	15,424,408	-	19,854,015
<b>Total imports</b> .....	-	<b>198,294,713</b>	-	<b>273,820,965</b>

TABLE 26. Exports of Agricultural Implements, 1958 and 1959

Item	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
Swathers or windrowers .....	No. 2,863	4,171,044	1,674	2,130,790
Cream separators and parts .....	-	8,928	-	7,762
Milking machines and parts .....	-	782,956	-	1,042,488
Harvesters and binders .....	No. -	-	-	-
Hay rakes .....	" 5,791	1,799,470	5,277	1,771,321
Mowing machines and reapers .....	" 11,614	3,633,723	22,490	6,806,554
Reaper-threshers .....	" 12,461	43,095,781	13,732	49,091,660
Cultivators .....	" 4,405	1,123,063	10,554	2,494,253
Drills and sowers .....	" 6,149	2,513,124	6,278	2,845,193
Harrows, disc, and parts .....	-	2,500,659	-	4,571,975
Harrows and parts, n.o.p. ....	-	53,748	-	174,886
Plows, disc, and parts .....	-	3,023,201	-	2,811,186
Plows and parts, n.o.p. ....	-	4,317,761	-	5,523,263
Planters .....	No. 776	207,325	1,509	413,323
Threshing-machine separators and parts .....	-	14,018	-	45,399
Garden and farm tools .....	-	60,893	-	47,764
Spades and shovels, and parts .....	doz. 1,813	37,687	1,350	27,870
Garden tractors .....	No. 2	600	-	-
Farm tractors .....	" 1,533	3,763,971	1,706	4,489,862
Attachments for agricultural implements .....	-	1,478,711	-	2,378,987
Farm implements and machines, n.o.p. ....	-	9,798,003	-	8,827,300
Parts of farm implements and machines, n.o.p. ....	-	15,209,164	-	19,193,451
<b>Total exports</b> .....	-	<b>97,593,830</b>	-	<b>114,695,287</b>

TABLE 27. Fuel and Electricity Used in the Agricultural Implements Industry - 1959

Kind	Quantity	Cost at plant
		\$
<b>1. Establishments reporting commodity detail:<sup>1</sup></b>		
Bituminous coal:		
(a) From Canadian mines .....	ton 21,796	227,023
(b) Imported .....	" 36,783	370,623
Sub-bituminous coal (from Alberta mines only) .....	" 85	850
Anthracite coal .....	" 200	4,697
Lignite coal .....	" 235	1,962
Coke .....	" 393	12,749
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal. 433,292	130,807
Fuel oil including kerosene or coal oil .....	" 2,832,743	349,054
Wood .....	cord 163	4,296
Gas:		
(a) Liquefied petroleum gases .....	Imp. gal. 5,184	1,633
(b) Other manufactured gas .....	M cu. ft. 236	246
(c) Natural gas .....	" 181,965	159,095
Other fuel .....	..	4,302
Electricity purchased .....	kwh. 91,882,746	846,972
Steam purchased .....	..	298,203
<b>2. Estimate for establishments for which no data were collected:<sup>2</sup></b>		
Cost of fuel and electricity .....	...	59,303
<b>3. All establishments:</b>		
Total cost of fuel and electricity .....	...	2,471,815

<sup>1</sup> Establishments generally reporting value of shipments of \$200,000 and over.

<sup>2</sup> Establishments generally reporting value of shipments of less than \$200,000.

.. Figures not available.

... Figures not appropriate or not applicable.

List of Firms in the Agricultural Implements Industry, 1959

Name of firm	Address
<b>New Brunswick:</b>	
Industrie St. George Ltée .....	Grand Falls
<b>Quebec:</b>	
Desjardins Limitée .....	St-Andre de Kamouraska
Dion Frères Inc. ....	St-Thérèse de Blainville
Gaudreau, J.E. Enrg. ....	Rue St-Jean Baptiste, Montmagny P.O.
La Compagn Jutras Limitée .....	Victoriaville
La Fonderie Laperle Ltée .....	St. Ours
Ledoux, V., Steel Products Ltd. ....	St-Hyacinthe
Les Equipments Lajoie Enrg. ....	St. Pie
Lernay, Armand & Fils Ltée .....	St. Basile LeGrand
Machineries Pont Rouge Ltd. ....	Pont Rouge
<b>Ontario:</b>	
Canadian Potato Machinery Co., Ltd. ....	17 Jarvis St., Galt
Cockshutt Farm Equipment Limited .....	66 Mohawk St., Brantford
Deere, John, Welland Works of .....	P.O. Box 430, Welland, Ont.
DeLaval Company Limited .....	113 Park St. S., Peterborough
Delhi Foundry & Farm Machinery Co. ....	191 King St., Delhi
Delhi Ornamental Iron .....	Delhi
Ebersol Farm Equipment Co. Limited .....	Milverton
Ernst Bros. Company Limited .....	Durham St., Mount Forest
Fleury - Bissel Implements Limited .....	Elora

## List of Firms in the Agricultural Implements Industry, 1959 - Concluded

Name of firm	Address
<b>Ontario - Concluded:</b>	
Gray-Snyder Ltd. ....	Hillsburgh
Hamilton Tractor Works (Int. Harvester of Canada Ltd) .....	208 Hillyard St., Hamilton
Herrgott Thresher Co. Limited .....	Main St., St. Clements
International Harvester Company of Canada, Limited .....	Sherman Ave. N., Hamilton
Jacksons Mfg. & Machinery Ltd. ....	Tillsonburg
Lobsinger Bros. Ltd. ....	Mildmay
McKee Bros. Ltd. ....	Union St., Elmira
Massey-Harris-Ferguson Ltd. ....	915 King St. W., Toronto
Massey-Harris-Ferguson Ltd. ....	645 Dundas St., Woodstock
Massey-Harris-Ferguson Ltd. ....	Market St. and Greenwich St., Brantford
Otaco Limited .....	West St., Orillia
Ritthehouse, M.K., & Sons .....	Jordan Station
Sedore, Ernest, & Son .....	Mount Albert
Serviss Industries .....	61 Wigle St., Leamington
Smith Brothers (Camden) .....	R.R. No. 1, Thamesville
Spramotor Ltd. ....	1099-1105 York St., London
Tac-lite Limited .....	131 Grand Ave. S., Galt
White, Geo., & Sons Co., Ltd. ....	Cabell Ave., London
<b>Manitoba:</b>	
Canadian Co-operative Implements Ltd. ....	601 Bowman Ave., Winnipeg
Cascade Brothers Ltd. ....	12th & Richmond Ave., Brandon
Derby Manufacturing Co. ....	414 Osborne St., Winnipeg 13
Forever Industries Limited .....	115 Robinson St., Winnipeg
Hart-Emerson Simon Ltd., The .....	1425 Whyte Ave., Winnipeg
High Speed Seeder Mfg. Co. Ltd. ....	Clearwater
Hydraulic Engineering Co. ....	Partridge & Aikins Sts., Winnipeg
Imperial Steel Products Ltd. ....	901 Madison St., St. James
Inland Steel & Forgings Limited .....	675 Washington Ave., Winnipeg
Killbery Industries Ltd. ....	631 Ferry Road, St. James
Machine Industries Ltd. ....	1382 Notre Dame Ave., Winnipeg
Malmgren Implement Mfg. Co. (Man.) Ltd. ....	753 Marion St., St. Boniface
Markwill Industries Ltd. ....	450 Youville St., St. Boniface
Northern Equipment Limited .....	277 Madison St., St. James
Plett's Industries .....	Rosenort
Standard Gas Engine Works .....	Morden
<b>Saskatchewan:</b>	
Brandt Electric Ltd. ....	1101 Winnipeg St., Regina
Brown Industries .....	Drinkwater, Sask.
Dulton Manufacturing Co. Ltd. ....	Yorkton
Flexi-coil Land Packers Limited .....	1025 Ave. P. South, Saskatoon
Morris Rod Weeder Co. Ltd. ....	62 Argyle St., Yorkton
Nodge Manufacturing Co. ....	140-9th St. West, Swift Current
Shaunavon Industries .....	Shaunavon
<b>Alberta:</b>	
Calgary Farm Machinery Ltd. ....	507-2nd St. East, Calgary
Ferguson, E.C., Co. ....	9027-111th Ave., Edmonton
Golden Arrow Sprayers Ltd. ....	1439-10th Ave., E., Calgary
Kirchner Machine Co. ....	2005-2nd Ave. South, Lethbridge
Noble Cultivators Ltd. ....	Nobleford
Samson Rotary Rod Weeder Ltd. ....	1019-10th Ave. W., Calgary
Victory Equipment Ltd. ....	920-2nd. Ave. N., Lethbridge
<b>British Columbia:</b>	
Farm and City Service Co. Ltd. ....	133 Westminster Ave. W., Penticton
Rain Bird Sprinkler Mfg. Co. (Canada) Ltd. ....	54E Cordova St., Vancouver
Swanson Sprayers Ltd. ....	1658 Pendozl St., Kelowna, B.C.
Trump Limited .....	Penticton St., Oliver