

CATALOGUE No.

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ANNUAL



AGRICULTURAL IMPLEMENT INDUSTRY

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 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.¹

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.

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 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.

AGRICULTURAL IMPLEMENT INDUSTRY

1961

Data presented in this report under the heading of Agricultural Implement Industry 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 Agricultural Implement Industry in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing agricultural implements such as plows, threshing machines, binders, fertilizing machinery, milking machines, and mowing machines. The industry also includes establishments primarily engaged in manufacturing tractors. Establishments primarily engaged in manufacturing truck tractors for highway use are classified in Industry No. 323—Motor Vehicle Manufacturers. Establishments primarily engaged in manufacturing industrial tractors for handling materials in industrial plants, depots and docks are classified in Industry No. 315—Miscellaneous Machinery and Equipment Manufacturers. Establishments primarily engaged in manufacturing hand tools, such as hoes, rakes, and shovels are classified in Industry No. 306—Hardware, Tool and Cutlery Manufacturers.

The introduction of the new definition of establishment (reporting units) 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 of a minor nature. Table 1A shows data for these establishments according to the "old" concept while Table 1B carries figures re-compiled on the basis of the new concept.

As a result of increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in this report. 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.

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 1A. Principal Statistics of the Agricultural Implements Industry, Significant Years, 1929-59

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
	number		dollars				
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
1958	71	11,011	47,344,429	1,959,417	77,274,314	60,536,739	133,145,309
1959	71	13,579	61,741,134	2,471,815	101,278,108	78,006,598	170,742,821

¹ See note to text.

TABLE 1 B. Principal Statistics, Agricultural Implement Industry by Provinces, 1957-61

Basis: Revised Standard Industrial Classification and New Establishment Concept

	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	Selling value of factory shipments
	number		dollars				
1957							
Quebec	8	249	733,987	34,976	790,321		2,001,378
Ontario	22	8,797	34,589,324	1,547,661	52,674,591		106,650,586
Manitoba	15	480	1,536,463	87,110	4,120,562		7,521,242
Saskatchewan	7	31	97,886	7,811	104,653	¹	347,528
Alberta	8	} 168	615,292	38,217	658,623		1,523,673
British Columbia	3						
Canada	63	9,725	37,572,952	1,715,775	58,348,750		118,044,407
1958							
Quebec	7	293	795,530	49,041	812,759	1,582,908	2,401,193
Ontario	22	9,630	42,841,596	1,680,117	70,870,055	52,481,388	118,725,609
Manitoba	16	426	1,470,254	82,371	3,315,341	3,029,435	6,100,900
Saskatchewan	6	25	117,507	6,140	128,955	306,291	444,670
Alberta	8	} 152	530,247	37,010	628,250	840,147	1,503,505
British Columbia	3						
Canada	62	10,526	45,755,134	1,854,679	75,755,360	58,240,169	129,175,877
1959							
New Brunswick	1	} 331	911,855	64,011	874,449	2,112,513	2,903,122
Quebec	8						
Ontario	23	12,112	56,881,627	2,167,116	92,935,888	69,082,873	153,632,521
Manitoba	16	473	1,680,963	93,235	4,437,631	3,505,496	7,690,307
Saskatchewan	6	37	172,591	8,479	234,428	477,269	707,219
Alberta	7	} 103	352,204	35,681	725,307	722,684	1,358,391
British Columbia	2						
Canada	63	13,056	59,999,240	2,368,522	99,207,703	75,900,835	166,191,558
1960							
Quebec	11	265	855,434	45,945	736,679	1,808,541	2,727,834
Ontario	27	9,960	49,331,445	1,774,272	71,353,131	54,278,527	137,429,407
Manitoba	14	533	1,890,896	99,738	5,194,537	4,182,562	9,510,176
Saskatchewan	6	41	185,094	10,456	335,436	516,010	875,735
Alberta	7	114	401,195	38,384	768,251	822,805	1,491,705
British Columbia	3	11	36,723	3,945	42,952	50,392	90,559
Canada	68	10,924	52,700,787	1,972,740	78,430,986	61,658,837	152,123,416
1961							
Quebec	11	296	898,224	55,554	942,888	2,010,464	2,991,486
Ontario	27	9,466	46,119,667	1,616,166	66,624,322	52,454,625	123,255,080
Manitoba	15	528	1,759,935	103,790	5,084,425	3,732,022	8,543,888
Saskatchewan	5	52	242,997	10,095	356,400	765,043	1,142,448
Alberta	7	} 145	517,785	79,803	939,341	1,130,818	2,112,005
British Columbia	2						
Canada	67	10,487	49,538,608	1,865,408	73,947,376	60,092,972	138,044,910

¹ Because of lack of inventory data "Value added" is not available for 1957.

TABLE 2. Inventories:¹ Agricultural Implement Industry, 1961

Province	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening: ²				
Quebec	329,044	227,736	326,358	883,138
Ontario	9,018,082	21,067,357	7,044,450	37,129,899
Manitoba	1,241,206	1,009,947	823,062	3,074,215
Saskatchewan	141,100	13,213	16,797	171,110
Alberta and British Columbia	371,138	111,473	331,720	814,331
Canada	11,100,570	22,429,736	8,542,387	42,072,693
Closing:				
Quebec	355,773	337,457	234,057	927,287
Ontario	6,166,654	18,101,067	7,450,783	31,718,504
Manitoba	1,139,149	1,381,706	827,652	3,348,507
Saskatchewan	151,700	13,000	6,100	170,800
Alberta and British Columbia	452,320	107,056	374,091	933,467
Canada	8,265,596	19,940,286	8,892,683	37,098,565

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

² 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 in 1961, changes in classification and the implementation of the New Establishment Concept.

TABLE 3. Factory Shipments: Agricultural Implement Industry, 1961

Product	Number	Value of factory shipments
		\$
Planting, seeding and fertilizing machinery:		
Corn planters - Horse and tractor-drawn and tractor-mounted	1,924	351,432
Transplanters	419	121,548
Grain and fertilizer drills (combination)	6,991	4,976,959
Grain drills - Plain and press	1,181	587,284
Seed boxes for harrow-plows, one-way discs and tiller-combines	4,033	725,766
Manure spreaders	3,209	1,563,855
Manure loaders	115	73,057
All other planting, seeding and fertilizing machines .....	...	469,103
Plows:		
Mouldboard plows - Tractor-drawn or tractor-mounted	15,496	2,909,853
Disc plows - Tractor-drawn	1,703	242,133
Harrow-plows, one-way discs, tiller-combines	2,740	3,747,505
All other plows	895	300,423
Tilling, cultivating and weeding machines:		
Harrow:		
Drag (sections)	29,517	312,669
Spring-tooth (sections)	2,988	146,916
Disc - Horse or tractor-drawn:		
Under 12'	1,044	270,251
12' or over	1,543	898,854
Tandem tractor disc	5,945	1,749,168
Soil packers	3,977	293,048
Field cultivators:		
Horse and tractor-drawn	6,297	2,874,417
Tractor-mounted	4,970	1,226,087
Row weeders	5,778	1,052,961
Other tilling, cultivating and weeding machines .....	...	4,133,774

TABLE 3. Factory Shipments: Agricultural Implement Industry, 1961 — Concluded

Product	Number	Value of factory shipments
		\$
Haying machinery:		
Mowers, tractor-drawn or mounted	16,683	3,667,109
Hay loaders	21	7,175
Dump rakes	363	42,702
Side rakes and tedders	4,875	1,362,819
All other haying machinery (including hay balers, hay carriers, etc.) .....	...	9,505,719
Harvesting machinery:		
Combine reaper-threshers and stationary threshers	9,858	31,793,964
Swathers and windrowers	4,388	4,858,148
Pick-up attachments for combines	2,717	513,850
Potato diggers — horse or tractor-drawn	296	167,175
All other harvesting machines (including headers, push harvesters, barge elevators, etc.) .....	...	4,322,164
Machines for preparing crops for market or use:		
Grain grinders	817	49,863
Fanning mills or grain cleaners	798	334,049
Hammermills	201	38,949
Feed mixers	57	21,850
Grain loaders and elevators	3,340	558,595
All other machines for preparing crops for market or use .....	...	522,622
Spraying and dusting equipment:		
All types (including attachments) .....	...	1,436,075
Farm wagons, trucks and sleighs:		
Wagon boxes	288	68,550
Wagon gears (standard)	4,168	707,620
Rubber-tired gears or trailers	2,094	208,711
Sleighs	16	1,588
All other farm wagons, sleighs and trucks .....	...	103,685
Dairy machinery and equipment, including cream separators, milking machines, etc. ....	...	3,321,000
Miscellaneous farm implements and machinery .....	...	10,298,033
Parts and accessories for farm implements and machinery .....	...	13,877,421
Total farm machinery and parts .....	...	116,817,699
Amount received for custom work and repairs .....	...	1,147,469
All other products .....	...	20,123,613
Less adjustments for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above		43,871
Total all products		138,044,910

TABLE 4. Materials Used: Agricultural Implement Industry, 1961

Material	Quantity	Total cost at works
		\$
Iron:		
Pig iron, all grades	ton 6,398	420,492
Castings (rough and semi-finished received from foundry):		
Iron (gray and malleable)	" 14,436	4,702,085
Steel	" 2,767	1,441,029
Steel, hot or cold rolled (except special alloy steel):		
Bars	" 40,184	7,092,234
Plates	" 6,616	1,047,672
Sheets, plain	" 30,830	4,451,038
Sheets, galvanized	" 3,627	629,371
Strip	" 4,223	729,933
Structural shapes (angles, channels, etc.)	" 6,681	1,104,938
Wire	" 1,535	296,748
Scrap iron and steel of all kinds	" 3,421	176,345
Pipe, tubing and fittings of iron and steel .....	...	1,773,898
Other iron and steel (except finished parts) .....	...	392,293
Alloy steel:		
Carbon and alloy tool steels, including high-speed .....	...	170,818
Stainless steels .....	...	455,290
Other alloy steels .....	...	236,845
Ferro-alloys .....	...	49,373
Non-ferrous metals (all forms, including scrap):		
Aluminum - Castings	pound 136,969	82,295
Sheet	" 51,548	26,278
Other forms	" 37,879	34,818
Brass and bronze	" 60,048	24,925
Lead	" 5,606	790
Zinc	" 297,414	46,936
Babbitt metals and solder	" 1,970	1,758
Other non-ferrous metals .....	...	28,611
Other materials and supplies:		
Paints, oils and varnishes .....	...	867,196
Foundry coke (used in cupola, not for heat or power)	ton 3,071	100,807
Foundry sands	" 5,419	65,880
Lumber	M ft. b. m. 2,366	229,309
Fireclay	ton 270	8,113
Cupola blocks and firebrick .....	...	29,670
Core oil	Imp. gal. 12,695	12,275
Shipping containers .....	...	505,898
All other materials and supplies ¹ .....	...	46,711,415
Total .....	...	73,947,376

¹ No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$1,224,732 and this amount is included in "All other materials".

TABLE 5. Factory Shipments of Plows, 1952-61 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1955	24,210	4,163,342	1960	20,707	5,486,494
1956	19,573	3,272,497	1961	20,845	7,202,589

TABLE 6. Factory Shipments of Mowers, 1952-61 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1955	19,579	4,988,324	1960	25,682	5,905,986
1956	14,739	3,497,691	1961	16,683	3,667,109

TABLE 7. Factory Shipments of Harrows, 1952-61 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1955	50,352	3,058,704	1960	48,623	3,391,282
1956	44,016	2,943,638	1961	43,636	3,407,608

TABLE 8. Factory Shipments of Threshers and Reaper-Threshers, 1952-61 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1955	11,621	36,465,347	1960	14,265	41,421,576
1956	10,742	36,506,209	1961	9,858	31,793,964

TABLE 9. Factory Shipments of Seed Drills, 1952 - 61 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1955.....	1,881	775,703	1960.....	786	288,759
1956.....	1,024	439,171	1961.....	1,181	587,284

TABLE 10. Factory Shipments of One-Way Discs, Harrow-Plows and Tiller-Combines, 1952 - 61 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1955.....	3,279	1,719,731	1960.....	5,861	3,549,446
1956.....	4,392	2,678,895	1961.....	2,740	3,747,505

TABLE 11. Factory Shipments of Cultivators, 1952 - 61 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1955.....	12,870	2,809,700	1960.....	14,333	5,065,959
1956.....	13,726	3,752,537	1961.....	11,267	4,100,504

TABLE 12. Factory Shipments of Weeders and Corn Planters, 1952 - 61 (from All Industries)

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
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	223,120
1956.....	1,577	314,143	1,352	218,472
1957.....	1,995	430,661	2,079	454,278
1958.....	1,585	333,255	810	252,513
1959.....	2,836	683,445	1,347	322,746
1960.....	4,980	1,417,194	894	171,774
1961.....	5,898	1,126,169	1,924	351,432

TABLE 13. Factory Shipments of Hay Loaders and Hay Rakes, 1952 - 61 (from All Industries)

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
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	2,079,695
1958	149	30,525	8,784	4,872,487
1959	828	71,795	9,767	3,417,620
1960	25	15,883	6,304	1,784,687
1961	21	7,175	5,238	1,415,521

TABLE 14. Factory Shipments of Manure Spreaders, 1952 - 61 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1955	5,276	1,782,546	1960	8,042	4,048,500
1956	4,531	1,591,328	1961	3,489	1,709,951

TABLE 15. Factory Shipments, Imports and Exports of Agricultural Implements and Parts, 1952 - 61

Year	Factory shipments	Imports	Exports
	dollars		
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
1960	140,695,000	228,660,000	85,426,000
1961	120,795,000	231,694,000	79,819,000

Note: In Table 15 shipments 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.

**TABLE 16. Principal Statistics classified according to Type of Ownership:
Agricultural Implement Industry, 1961**

Type	Estab-lish-ments	Em-ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
Individual ownership	10	23	60,397	72,423	180,900
Partnerships	3	26	84,507	111,000	212,777
Incorporated companies	53	10,438	49,393,704	73,763,953	137,651,233
Co-operatives	1				
Totals	67	10,487	49,538,608	73,947,376	138,044,910

**TABLE 17. Principal Statistics grouped according to Selling Value of Factory Shipments:
Agricultural Implement Industry, 1961**

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
	number		dollars		
Under \$10,000	6	11	19,931	14,030	47,787
\$ 10,000 to \$ 24,999	7	28	76,442	32,720	128,762
25,000 " 49,999	6	22	60,733	88,743	190,458
50,000 " 99,999	7	76	228,758	200,699	512,296
100,000 " 199,999	12	217	553,978	667,600	1,600,030
200,000 " 499,999	11	238	950,390	1,168,098	3,114,138
500,000 " 999,999	5	263	1,012,402	2,118,377	4,143,879
1,000,000 " 4,999,999	7	817	3,282,448	9,130,708	15,449,168
5,000,000 and over	6	8,815	43,353,526	60,526,401	112,858,392
Totals	67	10,487	49,538,608	73,947,376	138,044,910

TABLE 18. Employees and their Earnings: Agricultural Implement Industry, 1961

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Quebec	49	10	237	—	296	268,659	629,565	898,224
Ontario	2,659	625	6,133	49	9,466	17,504,456	28,615,211	46,119,667
Manitoba	67	25	431	5	528	520,440	1,239,495	1,759,935
Saskatchewan	8	4	40	—	52	80,307	162,690	242,997
Alberta	29	7	109	—	145	169,414	348,371	517,785
British Columbia								
Canada	2,812	671	6,950	54	10,487	18,543,276	30,995,332	49,538,608



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TABLE 19. Production Workers, by Months: Agricultural Implement Industry, 1961

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	7,514	50
February	7,677	52
March	7,919	52
April	7,980	55
May	7,607	58
June	7,760	56
July	6,940	53
August	3,678	52
September	4,414	51
October	5,561	54
November	6,314	53
December	6,726	58
Average for establishments reporting monthly detail	6,673	53
Average estimated for small establishments ²	277	1
Average for all establishments	6,950	54

¹ The number of production workers by months was collected only for large establishments.

² The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.

TABLE 20. Fuel and Electricity Used: Agricultural Implement Industry, 1961

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail:¹		
Bituminous coal:		
(a) From Canadian mines	ton 724	9,179
(b) Imported	" 39,458	403,431
Anthracite coal	" 180	3,100
Lignite coal	" 187	1,557
Coke	" 411	12,322
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 351,271	113,692
Fuel oil including kerosene or coal oil	" 2,564,764	290,090
Wood	cord 52	1,134
Gas:		
(a) Liquefied petroleum gases	Imp. gal. 5,982	2,739
(b) Natural gas	M cu. ft. 295,508	241,076
Other fuel .....	...	730
Electricity purchased	kwh. 80,081,441	740,166
2. Estimate for establishments for which no data were collected:²		
Cost of fuel and electricity .....	...	46,192
3. All establishments:		
Total cost of fuel and electricity .....	...	1,865,408

¹ Large establishments.

² Small establishments.