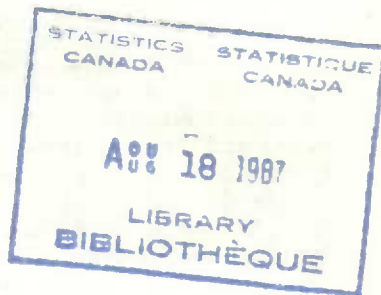


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MAY 27 1958



THE AGRICULTURAL IMPLEMENTS INDUSTRY 1956



Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
Metal and Chemical Products Section

NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** – Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I – General Review of the Manufacturing Industries, \$1.50
- II – The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III – Foods and Beverages
- IV – Tobacco and Tobacco Products
- V – Rubber Products
- VI – Leather Products
- VII – Textile Mills
- VIII – Knitting Mills
- IX – Clothing
 - X – Wood and Paper Products
- XI – Printing Trades
- XII – Iron and Steel Products
- XIII – Transportation Equipment
- XIV – Non-ferrous Metal Products
- XV – Electrical Apparatus and Supplies
- XVI – Non-metallic Mineral Products
- XVII – Products of Petroleum and Coal
- XVIII – Chemicals and Allied Products
- XIX – Miscellaneous Manufactures

The present report belongs in Part XII, Iron and Steel Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A – General Review, 25¢
- B – The Agricultural Implements Industry, 25¢
- C – The Boilers and Plate Work Industry, 25¢
- D – The Bridge Building and Structural Steel Industry, 25¢
- E – The Hardware, Tools and Cutlery Industry, 25¢
- F – The Heating and Cooking Apparatus Industry, 25¢
- G – The Machinery Industry, 25¢
- H – The Machine Shops Industry, 25¢
- I – The Iron Castings Industry, 25¢
- J – The Primary Iron and Steel Industry, 25¢
- K – The Sheet Metal Products Industry, 25¢
- L – The Wire and Wire Goods Industry, 25¢
- M – The Miscellaneous Iron and Steel Products Industry, 25¢

THE AGRICULTURAL IMPLEMENTS INDUSTRY 1956

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 \$122,681,025 in 1956, an increase of 7.7 per cent over the \$113,923,309 reported in the previous year. The output of farm equipment in this industry amounted to \$114,822,734 in 1956, \$106,732,479 in 1955 and \$109,098,976 in 1954; 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 \$2,833,000 in 1956, \$2,969,000 in 1955 and \$3,990,000 in 1954.

Seventy-one factories were included in the Agricultural Implements Industry in 1956, there

being 28 in Ontario, 15 in Manitoba, 9 in Alberta, 7 in each of Saskatchewan and Quebec and 5 in British Columbia. The works in Ontario accounted for 90.4 per cent of the total output.

The industry employed a total of 9,838 workers during the year, the 2,567 salaried employees being paid \$10,776,491 and the 7,271 wage-earners, \$25,927,087. The total of \$36,703,578 for salaries and wages was 12 per cent less than the amount distributed to the 11,753 employees in 1955.

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

TABLE 1. Principal Statistics of the Agricultural Implements Industry, Significant Years, 1929-1956, and by Provinces, 1955 and 1956

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 ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
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
1952	85	18,046	62,423,716	2,169,762	109,827,515	93,778,210	205,775,487
1953	80	14,161	50,302,007	1,824,514	90,344,539	79,100,472	171,269,525
1954	76	11,805	40,224,971	1,741,790	66,712,190	49,240,666	119,006,228
1955							
Quebec	8	279	607,030	29,897	750,090	1,012,381	1,837,572
Ontario	31	10,859	39,447,957	1,582,793	55,355,001	50,109,735	105,283,706
Manitoba	16	370	1,149,478	81,567	2,270,717	2,012,393	4,478,131
Saskatchewan	8	39	132,871	11,693	129,164	169,736	317,783
Alberta	10	155	470,743	39,316	560,038	843,512	1,492,998
British Columbia	4	51	120,961	3,860	218,295	316,590	513,119
Canada	77	11,753	41,929,040	1,749,126	59,283,305	54,464,347	113,923,309
1956							
Quebec	7	262	693,698	43,112	690,648	1,036,584	1,899,858
Ontario	28	8,861	33,686,124	1,683,317	58,215,977	46,659,425	111,059,789
Manitoba	15	490	1,492,451	86,372	4,972,987	2,515,440	7,508,539
Saskatchewan	7	36	94,979	11,726	93,158	170,020	298,399
Alberta	9	145	611,755	36,939	636,276	950,249	1,506,481
British Columbia	5	44	124,571	10,760	177,234	142,621	407,959
Canada	71	9,838	36,703,578	1,872,226	64,786,280	51,474,339	122,681,025

1. See footnote 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 ¹, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Quebec	394,532	106,423	378,558	879,513
Ontario	13,699,721	11,778,586	16,656,509	42,134,816
Manitoba	517,038	228,321	490,415	1,235,774
Alberta	231,725	163,302	424,044	819,071
Other provinces	90,616	68,700	121,058	280,374
Canada	14,933,632	12,345,332	18,070,584	45,349,548
Closing:				
Quebec	331,804	104,457	251,010	687,271
Ontario	14,136,736	10,746,137	13,187,888	38,070,761
Manitoba	791,863	405,917	379,079	1,576,859
Alberta	337,911	111,747	592,582	1,042,240
Other provinces	72,720	22,000	66,919	161,639
Canada	15,671,034	11,390,258	14,477,478	41,538,770

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

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Agricultural Implements Industry for the year under review are shown in the above table.

(c) The opening inventory for 1956 does not necessarily agree with the closing inventory for 1955 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, 1955 and 1956

Product	1955		1956	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Planting, seeding and fertilizing machinery:				
Corn planters—horse and tractor drawn and tractor mounted.....	1,608	223,120	1,352	218,472
Transplanters	635	118,274	772	181,744
Grain and fertilizer drills (combination)	13,299	6,287,768	10,451	5,040,697
Grain drills—plain and press	1,881	775,703	1,024	439,171
Seed boxes for harrow-plows, one-way discs and tiller-combines	2,028	342,100	2,303	458,957
Manure spreaders	5,241	1,772,746	4,531	1,591,328
Manure loaders	135	25,580	205	55,596
All other planting, seeding and fertilizing machines	—	49,632	—	31,495
Plows:				
Walking plows:				
1-furrow	52	1,332	22	808
2-furrow	349	15,246	133	5,531
Riding gang plows—2-furrow	—	—	149	26,634
Mouldboard plows—tractor-drawn or tractor mounted	19,550	3,205,532	16,782	2,500,378
Disc plows—tractor-drawn	1,858	687,463	1,417	623,875
Harrow-plows, one-way discs, tiller-combines	3,279	1,719,731	4,392	2,678,895
All other plows	2,401	253,769	846	109,721
Tilling, cultivating and weeding machine:				
Harrows:				
Drag (sections)	32,876	337,003	28,790	254,267
Spring-tooth (sections)	6,118	221,906	5,085	167,919
Disc—horse or tractor drawn:				
Under 12'	1,579	309,052	1,115	191,933
12' or over	2,345	772,902	1,272	671,013
Tandem tractor disc	7,434	1,417,841	7,567	1,635,176
Land rollers	1,404	77,168	1,662	95,549
Soil packers	2,901	160,127	1,348	88,937
Scufflers and horse hoes	529	17,312	374	9,613
Corn cultivators:				
Horse and tractor drawn	—	—	—	—
Tractor-mounted	994	350,881	—	—
Field cultivators:				
Horse and tractor drawn	12,160	2,730,600	10,749	2,852,040
Tractor-mounted	639	77,112	1,198	240,912
Rod weeders	807	125,119	1,072	175,846
Blade weeders	851	355,039	505	138,297
Other tilling, cultivating and weeding machines	—	358,085	—	850,373
Haying machinery:				
Mowers:				
Horse-drawn	389	65,114	547	96,461
Tractor-drawn or mounted	19,190	4,923,210	14,129	3,397,727
Hay loaders	1,272	286,545	304	63,975
Dump rakes	600	51,694	864	86,064
Side rakes and tedders	9,310	2,130,415	6,089	1,066,706
All other haying machinery (including hay balers, hay carriers, etc.)	—	4,346,796	—	4,865,630

TABLE 3. Products of the Agricultural Implements Industry, 1955 and 1956 - Concluded

Product	1955		1956	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Harvesting machinery:				
Combine reaper-threshers and stationary threshers	11,604	36,432,028	10,736	36,496,084
Swathers and windrowers	4,582	2,943,429	8,719	8,964,055
Pick-up attachments for combines	2,747	594,702	3,362	731,211
Grain binders:				
Ground-drive	13	29,797	312	142,723
Power take-off drive	81	35,008	—	—
Corn binders:				
Ground-drive	5	2,512	—	—
Power take-off drive	—	—	—	—
Potato diggers - horse or tractor drawn	36	16,635	33	11,095
All other harvesting machines (including headers, push harvesters, barge elevators, etc.)	—	1,054,168	—	952,092
Machines for preparing crops for market or use:				
Stationary threshers	See item under "Harvesting machinery"			
Ensilage cutters	119	61,396	86	43,720
Corn shellers	—	—	126	3,875
Grain grinders	2,871	152,173	2,595	140,834
Rollers or crushers	150	10,500	8	620
Pulpers	—	—	—	—
Fanning mills or grain cleaners	1,365	240,163	1,562	361,326
Hammermills	205	38,720	201	38,753
Feed mixers	114	23,074	109	16,998
Grain loaders and elevators	5,829	1,037,914	6,218	1,164,722
All other machines for preparing crops for market or use	—	48,657	—	132,505
Tractors and engines:				
Garden tractors (including motor tillers)	487	54,765	—	—
Spraying and dusting equipment:				
All types (including attachments)	—	1,246,984	—	904,047
Farm wagons, trucks and sleighs:				
Wagon boxes	401	78,200	815	148,787
Wagon gears (standard)	1,705	169,272	2,149	224,292
Farm trucks (low wheel - steel or wood)	30	5,110	31	3,778
Rubber-tired gears or trailers	3,760	373,222	3,334	321,077
Sleighs	55	22,939	150	12,750
All other farm wagons, sleighs and trucks	—	46,572	—	176,715
Domestic water systems and pumps:				
Domestic water-pressure systems and power-pumps	953	73,957	1,061	73,242
All other systems and pumps	—	12,200	—	274
Dairy machinery and equipment, including cream separators, milking machines, etc.	—	2,761,490	—	3,154,244
Miscellaneous farm implements and machinery	—	6,513,767	—	10,663,082
Parts and accessories for farm implements and machinery	—	18,061,226	—	19,028,093
Total farm machinery and parts	—	106,732,497	—	114,822,734
Amount received for custom work and repairs	—	560,152	—	371,332
All other products	—	6,630,660	—	7,486,959
Total all products	—	113,923,309	—	122,681,025

TABLE 4. Materials Used in the Agricultural Implements Industry, 1955 and 1956

Material	Unit of measure	1955		1956	
		Quantity	Total cost at works	Quantity	Total cost at works
			\$		\$
Iron:					
Pig iron, all grades	ton	9,650	524,623	11,213	624,182
Castings (rough and semi-finished received from foundry):					
Iron (gray and malleable)	ton	—	1	25,081	5,873,086
Steel	"	—	1	572	191,503
Steel, hot or cold rolled (except special alloy steel):					
Bars	ton	46,627	5,948,905	49,869	6,778,015
Plates	"	4,859	594,504	4,999	673,601
Sheets, plain	"	24,666	2,866,129	23,525	3,000,226
Sheets, galvanized	"	4,548	684,296	4,346	688,021
Tin plate	"	13	3,086	1	307
Strip	"	4,193	568,783	4,647	699,024
Structural shapes (angles, channels, etc.)	"	14,316	1,807,220	13,068	1,746,095
Wire	"	423	66,759	717	124,652
Scrap iron and steel of all kinds	ton	14,622	519,625	14,752	716,476
Pipe, tubing and fittings of iron and steel	—	—	1,266,421	—	1,660,270
Other iron and steel (except finished parts)	—	—	5,884,946	—	1,255,190
Alloy steel:					
Carbon and alloy tool steels, including high-speed	—	—	116,182	—	104,853
Stainless steels	—	—	305,553	—	395,660
Other alloy steels	—	—	168,842	—	160,821
Ferro-alloys	—	—	87,905	—	107,587
Non-ferrous metals (all forms, including scrap):					
Aluminum — Castings	pound	95,837	47,439	385,216	105,517
Sheet	"	11,847	5,477	6,074	3,621
Other forms	"	225,238	120,345	175,310	52,153
Brass and bronze	"	327,884	149,205	232,439	121,603
Copper — Sheet	—	—	—	—	—
Wire	pound	1,474	737	5,737	2,758
Other forms	"	7,450	3,365	—	—
Lead	"	23,293	3,685	10,821	1,935
Nickel	"	107,014	59,545	84,514	46,906
Tin	"	2,706	2,683	13,093	13,227
Zinc	"	136,750	17,589	67,494	9,504
Babbitt metals and solder	"	25,676	13,644	23,931	18,720
Other non-ferrous metals	—	—	23,188	—	67,295
Other materials and supplies:					
Paints, oils and varnishes	—	—	921,428	—	863,430
Cotton, duck and other textiles	—	—	240,494	—	252,640
Foundry coke (used in cupola, not for heat or power) ..	ton	5,151	137,376	5,683	172,075
Moulding sands	"	2,099	17,143	4,253	34,316
Core sands	"	4,831	26,776	4,787	37,066
Other foundry sands	"	235	2,255	573	5,214
Lumber	M ft. b. m.	9,547	989,236	9,836	1,034,954
Fireclay	ton	570	9,877	556	9,485
Cupola blocks and firebrick	—	—	43,731	—	42,001
Core oil	Imp. gal.	50,814	23,979	13,834	17,564
Shipping containers	—	—	323,728	—	306,902
All other materials and supplies	—	—	34,681,535	—	36,767,825
Total	—	—	59,283,305	—	64,786,280

1. Not available separately.

TABLE 5. Production of Plows¹, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	72,460	4,552,612	1952	39,902	9,285,252
1948	69,446	7,217,103	1953	21,577	4,402,949
1949	48,848	7,767,151	1954	15,443	2,979,804
1950	41,709	7,918,510	1955	24,210	4,163,342
1951	44,446	8,916,831	1956	19,573	3,272,497

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

TABLE 6. Production¹ of Mowers, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	17,861	2,139,970	1952	22,050	4,013,947
1948	21,428	2,835,300	1953	13,930	2,717,178
1949	28,187	3,880,013	1954	7,006	1,389,653
1950	16,658	2,708,979	1955	19,579	4,988,324
1951	16,540	2,617,253	1956	14,739	3,497,691

1. Factory shipments since 1952.

TABLE 7. Production¹ of Harrows, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	72,894	2,328,290	1952	85,643	6,983,941
1948	93,701	3,681,893	1953	88,906	6,069,265
1949	121,371	5,439,217	1954	65,365	2,676,529
1950	97,047	5,290,631	1955	50,352	3,058,704
1951	72,068	6,802,840	1956	44,016	2,943,638

1. Factory shipments since 1952.

TABLE 8. Production¹ of Grain Binders, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	17,109	5,821,568	1952	5,398	2,347,188
1948	18,025	6,359,954	1953	1,763	800,916
1949	12,615	5,123,012	1954	320	163,082
1950	6,147	2,306,723	1955	94	64,805
1951	3,557	1,409,554	1956	312	142,723

1. Factory shipments since 1952.

TABLE 9. Production¹ of Threshers and Reaper-Threshers, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	11,705	19,108,003	1952	24,562	69,632,328
1948	19,005	39,528,632	1953	21,870	61,825,147
1949	23,859	53,374,814	1954	12,891	37,433,104
1950	18,973	41,449,398	1955	11,621	36,465,347
1951	22,384	56,212,282	1956	10,742	36,506,209

1. Factory shipments since 1952.

TABLE 10. Production¹ of Seed Drills, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	10,899	2,815,312	1952	10,629	4,671,475
1948	7,939	2,795,642	1953	7,669	3,164,105
1949	8,301	2,845,541	1954	3,848	1,617,099
1950	11,704	4,247,621	1955	1,881	775,703
1951	11,902	5,597,882	1956	1,024	439,171

1. Factory shipments since 1952.

TABLE 11. Production¹ of Cream Separators, 1947-1956 (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
		\$		\$		\$
1947	6,893	241,469	17,527	1,439,329	24,420	1,680,798
1948	3,728	147,473	7,955	748,819	11,683	896,292
1949	1,605	69,520	6,637	791,597	8,242	861,117
1950	336	7,634	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

1. Factory shipments since 1952.

TABLE 12. Production¹ of One-way Discs, Harrow-Plows and Tiller-Combines, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	19,292	4,342,744	1952	21,034	9,958,121
1948	33,259	10,371,290	1953	17,073	7,914,542
1949	39,868	13,051,057	1954	8,006	4,048,150
1950	29,498	10,083,519	1955	3,279	1,719,731
1951	23,102	8,819,419	1956	4,392	2,678,895

1. Factory shipments since 1952.

TABLE 13. Production¹ of Cultivators, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	29,495	2,932,015	1952	28,429	5,361,483
1948	26,174	3,404,697	1953	13,558	3,466,288
1949	27,118	3,758,130	1954	9,649	2,566,451
1950	27,999	5,115,228	1955	12,870	2,809,700
1951	28,318	4,836,787	1956	13,726	3,752,537

1. Factory shipments since 1952.

TABLE 14. Production¹ of Weeders and Corn Planters, 1947-1956 (From all industries)

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1947	2,790	256,781	2,618	192,594
1948	3,171	569,495	8,207	601,175
1949	4,548	867,278	2,770	416,833
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	223,120
1956	1,577	314,143	1,352	218,472

1. Factory shipments since 1952.

TABLE 15. Production¹ of Hay Loaders and Hay Rakes, 1947-1956 (From all industries)

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1947	4,156	496,397	14,604	1,076,665
1948	7,401	1,089,616	14,429	1,315,875
1949	6,502	1,005,490	20,474	2,309,973
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

1. Factory shipments since 1952.

TABLE 16. Production¹ of Manure Spreaders, 1947-1956 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1947	5,963	839,863	1952	8,440	2,600,927
1948	9,561	1,733,361	1953	11,821	3,954,225
1949	13,199	2,013,387	1954	6,024	2,148,507
1950	7,000	1,493,878	1955	5,276	1,782,546
1951	8,769	2,260,385	1956	4,531	1,591,328

1. Factory shipments since 1952.

TABLE 17. Production, Imports and Exports of Agricultural Implements and Parts, 1947-1956

Year	Production	Imports	Exports
	\$	\$	\$
1947	83,930,000	105,405,000	42,238,000
1948	139,079,000	139,993,000	73,760,000
1949	169,617,000	177,210,000	92,527,000
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

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. Sales of Agricultural Implements and Equipment, by Provinces, 1952-1956

Province	1952	1953	1954	1955	1956
	\$	\$	\$	\$	\$
Newfoundland	254,276	281,712	269,246	343,876	439,871
Maritimes	8,864,275	7,563,698	4,987,275	6,485,628	6,984,186
Quebec	23,745,129	20,587,165	16,942,850	21,713,939	23,325,374
Ontario	51,448,643	45,442,835	39,360,291	43,819,906	42,902,342
Manitoba	31,578,047	28,030,312	15,538,264	15,652,835	18,588,098
Saskatchewan	75,859,527	80,333,503	37,371,962	33,113,149	40,748,641
Alberta	53,505,361	51,302,523	28,017,559	28,800,919	32,686,198
British Columbia	5,021,983	4,508,606	4,215,248	5,185,630	5,092,745
Canada	250,277,241	238,050,354	146,702,695	155,115,882	170,767,455

Note: In Table 18 the values are based on distributors' wholesale prices. The details of sales are given in a separate report 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	Thresh- ing machines	Grain binders	Grain com- bines	Mowing ma- chines	Milking ma- chines	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	—	—										
Canada	329,667	196,122	399,686	183,051	96,691	303,374	90,500	423,272	74,191	196,681										

TABLE 20. Principal Statistics of the Agricultural Implements Industry, Classified According to Type of Ownership, 1955 and 1956

Type	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1955					
Individual ownership	16	77	172,012	205,203	484,930
Partnerships	7	59	153,662	224,632	548,055
Incorporated companies	53	11,617	41,603,366	58,853,470	112,890,324
Co-operatives	1				
Total	77	11,753	41,929,040	59,283,305	113,923,309
1956					
Individual ownership	14	48	103,126	134,631	327,933
Partnerships	4	29	68,017	127,300	220,027
Incorporated companies	52	9,761	36,532,435	64,524,349	122,133,065
Co-operatives	1				
Total	71	9,838	36,703,578	64,786,280	122,681,025

TABLE 21. Principal Statistics of the Agricultural Implements Industry in Canada, Grouped According to Size of Establishment, 1955 and 1956

Establishments reporting value of factory shipments	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1955					
Under \$10,000	6	9	12,781	13,521	35,583
\$10,000 to \$24,999	13	48	113,109	109,522	217,651
\$25,000 to \$49,999	9	47	119,985	117,639	326,449
\$50,000 to \$99,999	12	128	326,184	385,956	912,840
\$100,000 to \$199,999	9	213	474,552	524,153	1,247,327
\$200,000 to \$499,999	10	330	919,680	1,706,184	3,600,272
\$500,000 to \$999,999	9	623	1,877,832	2,611,501	6,110,583
\$1,000,000 to \$4,999,999	5	1,422	4,883,831	6,862,301	13,562,212
\$5,000,000 and over	4	8,928	33,130,054	46,952,528	87,910,387
Head offices	—	5	71,032	—	—
Total	77	11,753	41,929,040	59,283,305	113,923,309
1956					
Under \$10,000	6	10	18,295	19,873	30,881
\$10,000 to \$24,999	8	19	39,665	58,442	113,587
\$25,000 to \$49,999	10	52	116,780	143,967	343,380
\$50,000 to \$99,999	12	131	334,974	382,575	885,765
\$100,000 to \$199,999	8	190	421,016	421,997	1,059,241
\$200,000 to \$499,999	8	254	701,787	1,142,504	2,531,456
\$500,000 to \$999,999	10	600	2,055,626	3,503,964	7,449,197
\$1,000,000 to \$4,999,999	5	1,181	4,128,125	8,847,257	14,266,661
\$5,000,000 and over	4	7,396	28,826,853	50,265,701	96,000,857
Head offices	—	5	60,957	—	—
Total	71	9,838	36,703,578	64,786,280	122,681,025

TABLE 22. Capital and Repair Expenditures in the Agricultural Implements Industry, 1952-1956

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
\$'000							
1952	2,891	3,332	6,223	1,405	5,184	6,589	12,812
1953	1,175	3,051	4,226	1,083	3,561	4,644	8,870
1954	627	2,378	3,005	635	3,357	3,992	6,997
1955	737	1,665	2,402	748	2,205	2,953	5,355
1956 ¹	1,326	2,484	3,810	714	1,920	2,634	6,444

1. Preliminary.

TABLE 23. Employees and Their Earnings in the Agricultural Implements Industry, by Provinces, 1955 and 1956

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1955								
Quebec	33	11	231	4	279	152,417	454,613	607,030
Ontario	2,063	533	8,177	36	10,859	10,373,742	29,074,215	39,447,957
Manitoba	60	20	290	—	370	426,765	722,713	1,149,478
Saskatchewan	16	1	21	1	39	68,968	63,903	132,871
Alberta	40	8	105	2	155	183,335	287,408	470,743
Other provinces	13	3	34	1	51	39,321	81,640	120,961
Canada	2,225	576	8,858	94	11,753	11,244,548	30,684,492	41,929,040
1956								
Quebec	36	10	214	2	262	169,536	524,112	693,698
Ontario	1,890	483	6,412	76	8,861	9,832,914	23,853,210	33,686,124
Manitoba	62	21	399	8	490	444,857	1,047,594	1,492,451
Saskatchewan	11	2	22	1	36	38,314	56,665	94,979
Alberta	35	5	104	1	145	258,722	353,033	611,755
British Columbia	9	3	31	1	44	32,098	92,473	124,571
Canada	2,043	524	7,182	89	9,838	10,776,491	25,927,087	36,703,578

TABLE 24. Production Workers, by Months, 1955 and 1956

Month	1955			1956		
	Male	Female	Total	Male	Female	Total
January	9,540	101	9,641	8,878	102	8,980
February	10,184	105	10,289	9,351	98	9,449
March	10,171	107	10,278	9,453	100	9,553
April	10,158	100	10,258	8,948	100	9,048
May	9,583	93	9,676	8,357	99	8,456
June	8,089	85	8,174	8,350	92	8,442
July	8,313	80	8,393	7,814	87	7,901
August	8,121	77	8,198	3,920	61	3,981
September	8,026	81	8,107	3,696	64	3,760
October	7,557	90	7,647	4,890	81	4,971
November	8,101	102	8,203	5,995	35	6,030
December	8,418	101	8,519	6,467	96	6,563
Average	8,858	94	8,952	7,182	89	7,271

TABLE 25. Imports of Agricultural Implements, 1955 and 1956

Item	Unit of measure	1955		1956	
		Quantity	Value \$	Quantity	Value \$
Cream separators	No.	12,017	1,309,894	11,530	1,461,017
Cream separator parts	—	—	133,175	—	144,672
Milk clarifiers and complete parts	—	—	38,744	—	53,357
Milking machines, and attachments therefor; centrifugal machines for testing butter fat, milk or cream, and complete parts of articles specified in this item	—	—	1,708,923	—	1,905,004
Pasteurizers for dairying purposes, and complete parts	No.	291	367,357	665	642,526
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	—	—	1,671,830	—	1,912,086
Forks, pronged	doz.	7,835	81,849	10,550	113,538
Harvesters, self-binding or not, and binding attachments and parts	No.	2,711	2,244,422	2,265	2,919,704
Hay loaders and parts	"	831	190,812	555	125,654
Hay tedders and parts	"	26	7,511	1	208
Mowing machines and parts	"	6,967	2,359,995	8,906	2,626,552
Potato diggers and planters, and parts	"	767	339,175	1,343	507,478
Rakes, horse or power, and parts	"	7,851	2,037,687	9,048	2,494,838
Rakes, n.o.p.	doz.	26,257	134,263	29,025	163,142
Reapers and parts	—	—	—	—	—
Scythes	doz.	6,599	92,392	5,416	81,289
Sickles or reaping hooks	"	2,024	12,741	1,750	12,101
Cultivators, horse hoes, scufflers, weeders, and parts	—	—	2,802,672	—	3,003,383
Drills, seed, garden seeders, and parts	—	—	1,165,649	—	1,195,899
Harrows, disc, and parts	—	—	1,118,622	—	1,193,866
Harrows and parts n.o.p.	—	—	417,403	—	396,090
Hoes	doz.	3,129	24,262	4,278	38,198
Plows, disc, and parts	—	—	851,579	—	780,030
Plows and parts, n.o.p.	—	—	2,623,577	—	2,248,112
Kollers, farm, field, lawn or garden, and soil packers, and parts	No.	2,908	57,266	2,302	71,432
Fanning mills, peaviners and corn-husking machines, and parts	"	1,682	999,392	1,581	1,181,091
Harvesters in combination with threshing machine separators, and complete parts	"	2,436	14,886,474	3,135	15,222,762
Threshing machine separators	"	76	36,961	83	35,780
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts	—	—	326,847	—	316,773
Equipment for generating electric power for farm purposes only, viz.: engine, gas tank, generator, storage battery and switchboard, and complete parts	—	—	77,752	—	72,993
Fodder, feed or ensilage cutters, and parts	No.	579	256,290	449	265,339

TABLE 25. Imports of Agricultural Implements, 1955 and 1956 - Concluded

Item	Unit of measure	1955		1956	
		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	—	—	442,767	—	590,176
Grain crushers and grain or hay grinders, and parts	No.	2,718	593,836	2,129	594,847
Hay presses and parts	"	5,874	7,816,663	9,660	11,934,801
Manure spreaders and parts	"	5,075	1,673,984	4,792	1,644,893
Post hole diggers and parts	"	4,337	119,627	3,101	171,920
Spades and shovels, of iron or steel, n.o.p.	doz.	10,499	127,871	13,020	159,982
Spraying and dusting machines and parts, including hand sprayers and parts	—	—	2,713,184	—	2,142,570
Stumping machines and complete parts	—	—	—	—	—
Traction ditching machines (not being plows), and parts	No.	58	679,215	122	1,426,784
Tractors, internal combustion (for farm and other purposes)	No.	33,133	77,671,351	35,674	108,999,659
Tractors, internal combustion, parts of; traction attachments and parts (for farm and other purposes)	—	—	37,702,517	—	50,626,426
Windmills and complete parts, not including shafting	—	—	6,609	—	7,831
Pruninghooks and shears and animal dehorning instruments	—	—	118,604	—	131,904
Agricultural implements and parts, other	—	—	10,205,806	—	12,531,648
Total imports	—	—	178,247,550	—	232,148,405

TABLE 26. Exports of Agricultural Implements, 1955 and 1956

Item	Unit of measure	1955		1956	
		Quantity	Value \$	Quantity	Value \$
Cream separators and parts	—	—	32,743	—	16,366
Milking machines and parts	—	—	1,401,516	—	1,659,276
Harvesters and binders	No.	82	46,703	1	200
Hay rakes	"	5,926	1,488,048	4,119	1,023,478
Mowing machines and reapers	"	12,737	3,328,066	8,104	2,337,074
Reaper-threshers	"	9,248	29,809,117	7,211	24,422,207
Cultivators	"	5,898	1,343,266	4,076	1,067,024
Drills and sowers	"	12,827	4,209,267	8,532	2,986,059
Harrows, disc, and parts	—	—	2,764,117	—	2,251,840
Harrows and parts, n.o.p.	—	—	228,121	—	170,496
Plows, disc, and parts	—	—	3,188,472	—	2,889,612
Plows and parts, n.o.p.	—	—	3,898,184	—	3,168,130
Planters	No.	687	135,084	399	90,492
Threshing-machine separators and parts	—	—	240,916	—	250,318
Garden and farm tools	—	—	57,714	—	61,021
Spades and shovels, and parts	doz.	2,171	41,212	1,596	30,981
Garden tractors	No.	6	618	2	545
Farm tractors	"	2,409	3,802,847	1,989	3,538,990
Attachments for agricultural implements	—	—	1,877,019	—	1,503,946
Farm implements and machines, n.o.p.	—	—	5,290,868	—	8,011,528
Parts of farm implements and machines, n.o.p.	—	—	12,825,941	—	11,997,148
Total exports	—	—	76,009,839	—	67,476,731

TABLE 27. Fuel and Electricity Used¹ in the Agricultural Implements Industry, 1956

Kind	Unit of measure	Quantity	Cost at works
			\$
Bituminous coal (a) From Canadian mines	ton	16,442	161,068
(b) Imported	"	25,111	256,723
Sub-bituminous coal from Alberta mines	"	218	2,145
Anthracite coal	"	10,594	119,144
Lignite coal	"	501	3,935
Coke	"	540	15,480
Gasoline, including gasolene used in cars and trucks	Imp. gal.	483,815	159,215
Kerosene	"	1,100	521
Fuel oil	"	2,178,424	293,410
Wood	cord	261	2,945
Gas (a) Liquefied petroleum gases	Imp. gal.	19,572	4,124
(b) Other manufactured gas	1,000 cu. ft.	264,185	161,875
(c) Natural gas	"	22,263	19,959
Other fuel	-	-	4,770
Electricity purchased	k.w.h.	66,169,942	666,912
Total	-	-	1,872,226

1. Last collected in this detail in 1953.

List of Firms in the Agricultural Implements Industry, 1956

Name of firm	Address
Quebec:	
Banville & Fils Enrg.	St-Octave de Metis
Desjardins Limitée	St-Andre de Kamouraska
Dion Frères Inc.	St-Thérèse de Blainville
La Compagen Jutras Limitée	Victoriaville
Ledoux, V., Manufacturing Reg'd.	St-Hyacinthe
Laperle, Louis, Enrg.	St-Ours
Machineries Pont Rouge Ltd.	Pont Rouge
Ontario:	
Bari Crop Dusters	Corinth
Canadian Potato Machinery Co., Ltd.	17 Jarvis St., Galt
Cockshutt Farm Equipment Limited	66 Mohawk St., Brantford
Deere, John, Plow Co., Limited	Port Colborne Highway, Welland
DeLaval Company Limited	115 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
Gray-Snyder Ltd.	Hillsburgh
Herrgott Thresher Co. Limited	Main St., St. Clements
International Harvester Company of Canada, Limited	Sherman Ave. N., Hamilton
Jacksons Mfg. & Machinery Ltd.	Tillsonburg
Kelsey Manufacturing Co.	Waverley St., Delhi
Lewis, Clarence W. & Son, Limited	8 Patton St., Grimsby
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 Canal Road, Brantford
Otaco Limited	West St., Orillia
Rittehouse, 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

List of Firms in the Agricultural Implements Industry, 1956 - Concluded

Name of firm	Address
Manitoba:	
Bobrowski Mfg. Co. Ltd.	Charles St., Morris
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 Company Limited, The	1425 Whyte Ave., Winnipeg
Hydraulic Engineering Co.	Partridge & Alkins Sts., Winnipeg
Inland Steel & Forgings Limited	675 Washington Ave., Winnipeg
Killbery Industries Ltd.	631 Ferry Road, Winnipeg
Machine Industries Ltd.	Berry St. & Elice 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
Saskatchewan:	
Brandt Electric Ltd.	1101 Winnipeg St., Regina
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
Sakundiak Farm Equipment	130 Dewdney Ave., Regina
Shaunavon Industries	Shaunavon
Swedburg Tree Planters	Box 66, Holdfast
Alberta:	
Calgary Farm Machinery Ltd.	507-2nd St. East, Calgary
Ferguson, E.C., Co.	9027-111th Ave., Edmonton
Freeman Mfg. Co. Ltd.	3648 Burnsland Rd., Calgary
Golden Arrow Sprayers Ltd.	1439-10th Ave. E., Calgary
Kirchner Machine Co.	2005-2nd Ave. South, Lethbridge
Noble Cultivators Ltd.	Nobleford
Robinson Machine & Supply Co. Ltd.	50th Ave. & 1st St. S., Calgary
Samson Rotary Rod Weeder Ltd.	1019-10th Ave. W., Calgary
Victory Equipment Ltd.	321-13th St. N., Lethbridge
British Columbia:	
Farm and City Service Co. Ltd.	133 Westminster Ave. W., Penticton
Hornby General Machinery	5553 Pacific Highway, Cloverdale
Okanagan Turbo Sprayers, Ltd.	145 Winnipeg St., Penticton
Rain Bird Sprinkler Mfg. Co. (Canada) Ltd.	54E Cordova St., Vancouver
Trump Limited	Penticton St., Oliver

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