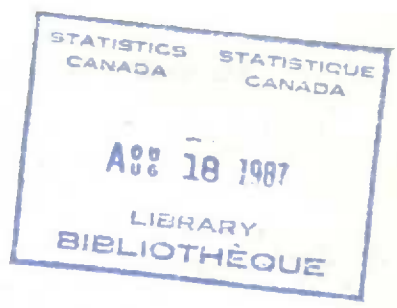


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THE AGRICULTURAL IMPLEMENTS INDUSTRY 1955



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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

1955

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 \$113,923,309 in 1955, a decline of 4 per cent from the \$119,006,228 reported in the previous year. The output of farm equipment in this industry amounted to \$106,732,497 in 1955, \$109,098,976 in 1954 and \$156,287,039 in 1953; 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 \$2,969,000 in 1955, \$3,990,000 in 1954 and \$3,564,000 in 1953.

Seventy-seven factories were included in the Agricultural Implements Industry in 1955, there being 31 in Ontario, 16 in Manitoba, 8 in Saskatchewan, 10 in Alberta, 8 in Quebec and 4 in British Columbia. The works in Ontario accounted for 92.4 per cent of the total output.

The industry employed a total of 11,753 workers during the year, the 2,801 salaried employees being paid \$11,244,548 and the 8,952 wage-earners, \$30,684,492. The total of \$41,929,040 for salaries and wages was 4 per cent greater than the amount distributed to the 11,805 employees in 1954.

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 1955 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 for 1954 and 1955.

TABLE 1. Principal Statistics of the Agricultural Implements Industry, Significant Years, 1929-1955, and by Provinces, 1954 and 1955

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
1951	81	17,236	52,217,430	1,984,214	96,469,032	72,719,250	171,172,496
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							
Quebec	7	202	511,523	24,344	742,601	744,433	1,581,044
Ontario	29	10,849	37,431,944	1,566,301	62,812,345	44,196,483	109,922,007
Manitoba	17	430	1,358,125	82,395	2,209,807	2,665,353	4,869,061
Saskatchewan	9	85	274,582	17,975	173,957	395,243	588,432
Alberta	9	209	589,356	43,796	624,027	1,069,946	1,726,144
Prince Edward Island	1	30	59,441	6,979	149,453	169,208	319,540
British Columbia	4						
Canada	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

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.

1. See footnote to Text.

TABLE 2. Inventories¹, 1955

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Quebec	497,467	330,699	441,728	1,269,894
Ontario	15,043,463	11,950,846	16,184,285	43,178,594
Manitoba	604,412	183,252	636,783	1,424,447
Alberta	308,840	182,611	504,542	995,993
Other provinces	84,677	32,800	113,964	231,441
Canada	16,538,859	12,680,208	17,881,302	47,100,369
Closing:				
Quebec	328,028	106,200	396,524	830,752
Ontario	13,999,292	11,862,410	17,948,108	43,809,810
Manitoba	540,746	225,288	523,329	1,289,363
Alberta	245,045	167,302	454,410	866,757
Other provinces	95,363	68,700	132,400	296,463
Canada	15,208,474	12,429,900	19,454,771	47,093,145

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 1955 does not necessarily agree with the closing inventory for 1954 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, 1954 and 1955

Product	1954		1955	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Planting, seeding and fertilizing machinery:				
Corn planters—horse and tractor drawn	1,201	164,804	1,608	223,120
Transplanters	214	37,391	635	118,274
Grain and fertilizer drills (combination)	9,490	4,795,581	13,299	6,287,768
Grain drills—plain and press	3,848	1,617,099	1,881	775,703
Seed boxes for harrow-plows, one-way discs and tiller-combines..	7,383	886,006	2,028	342,100
Fertilizer and lime sowers, horse or tractor drawn	224	19,402	287	22,811
Manure spreaders	5,968	2,134,507	5,241	1,772,746
Manure loaders	48	8,550	135	25,580
All other planting, seeding and fertilizing machines	—	279,354	—	26,821
Plows:				
Walking plows:				
1-furrow	474	7,053	52	1,332
2-furrow	—	—	349	15,246
Riding gang plows—2-furrow	—	—	—	—
Mouldboard plows:				
Tractor-drawn	5,131	1,391,362	5,144	1,019,282
Tractor-mounted	5,807	801,645	14,406	2,186,250
Disc plows:				
Horse-drawn	—	—	—	—
Tractor-drawn	1,437	575,664	1,858	687,463
Harrow-plows, one-way discs, tiller-combines	8,006	4,048,150	3,279	1,719,731
All other plows	2,349	194,864	2,401	253,769
Tilling, cultivating and weeding machines:				
Harrows:				
Drag (sections)	39,960	408,122	32,876	337,003
Spring-tooth (sections)	6,862	237,187	6,118	221,906
Disc—horse or tractor drawn:				
Under 12'	14,036	813,848	1,579	309,052
12' or over	3,518	1,050,030	2,345	772,902
Tandem tractor disc	841	161,283	7,434	1,417,841
Land rollers	—	—	1,404	77,168
Soil packers	4,575	262,201	2,901	160,127
Scufflers and horse hoes	2,354	53,522	529	17,312
Corn cultivators:				
Horse and tractor drawn	767	347,273	—	—
Tractor-mounted	755	106,461	994	350,881
Field cultivators:				
Horse and tractor drawn	7,742	2,054,992	12,160	2,730,600
Tractor-mounted	52	4,226	639	77,112
Rod weeders	1,199	190,258	807	125,119
Blade weeders	1,017	417,283	851	355,039
Other tilling, cultivating and weeding machines	—	323,353	—	358,085
Haying machinery:				
Mowers:				
Horse-drawn	456	74,945	389	65,114
Tractor-drawn or mounted	6,550	1,314,708	19,190	4,923,210
Hay loaders	1,674	398,565	1,272	286,545
Dump rakes	648	58,921	600	51,694
Side rakes and tedders	7,085	1,728,403	9,310	2,130,415
All other haying machinery (including hay balers, hay carriers, etc.)	—	5,002,174	—	4,346,796

TABLE 3. Products of the Agricultural Implements Industry, 1954 and 1955 - Concluded

Product	1954		1955	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Harvesting machinery:				
Combine reaper-threshers and stationary threshers	12,833	37,342,685	11,604	36,432,028
Swathers and windrowers	8,022	4,822,701	4,582	2,943,429
Pick-up attachments for combines	4,537	809,981	2,747	594,702
Grain binders:				
Ground-drive	120	58,452	13	29,797
Power take-off drive	200	104,630	81	35,008
Corn binders:				
Ground-drive	32	16,690	5	2,512
Power take-off drive	-	-	-	-
Potato diggers—horse or tractor drawn	-	-	36	16,635
All other harvesting machines (including headers, push harvesters, barge elevators, etc.)	-	1,183,360	-	1,054,168
Machines for preparing crops for market or use:				
Stationary threshers	See item under "Harvesting machinery"			
Ensilage cutters	92	44,643	119	61,396
Corn shellers	554	15,896	-	-
Grain grinders	2,267	125,148	2,871	152,173
Rollers or crushers	100	6,700	150	10,500
Pulpers	6	336	-	-
Fanning mills or grain cleaners	1,497	227,969	1,365	240,163
Hammermills	154	28,468	205	38,720
Feed mixers	163	23,926	114	23,074
Grain loaders and elevators	4,748	844,403	5,829	1,037,914
All other machines for preparing crops for market or use	-	74,020	-	48,657
Tractors and engines:				
Garden tractors (including motor tillers)	716	93,753	487	54,765
Spraying and dusting equipment:				
All types (including attachments)	-	1,314,439	-	1,246,984
Farm wagons, trucks and sleighs:				
Wagon boxes	411	56,176	401	78,200
Wagon gears (standard)	1,350	139,152	1,705	163,272
Farm trucks (low wheel—steel or wood)	-	-	30	5,110
Rubber-tired gears or trailers	4,871	677,514	3,760	373,222
Sleighs	36	4,979	55	22,939
All other farm wagons, sleighs and trucks	-	49,588	-	46,572
Domestic water systems and pumps:				
Domestic water-pressure systems and power-pumps	1,306	130,312	953	73,957
All other systems and pumps	-	4,605	-	12,200
Dairy machinery and equipment, including cream separators, milking machines, etc.				
	-	2,887,355	-	2,761,490
Miscellaneous farm implements and machinery				
	-	10,995,662	-	6,513,767
Parts and accessories for farm implements and machinery				
	-	15,046,246	-	18,061,226
Total farm machinery and parts	-	109,098,976	-	106,732,497
Amount received for custom work and repairs	-	4,698,159	-	560,152
All other products	-	5,209,093	-	6,630,660
Total all products	-	119,006,228	-	113,923,309

TABLE 4. Materials Used in the Agricultural Implements Industry, 1954 and 1955

Material	Unit of measure	1954		1955	
		Quantity	Total cost at works	Quantity	Total cost at works
			\$		\$
Iron:					
Pig iron, all grades	ton	7,841	439,478	9,650	524,623
Steel, hot or cold rolled (except special alloy steel):					
Bars	ton	65,044	7,349,073	46,627	5,948,905
Plates	"	4,642	574,097	4,859	594,504
Sheets, plain	"	23,213	3,052,853	24,666	2,866,129
Sheets, galvanized	"	4,437	712,280	4,548	684,296
Tin plate	"	1	366	642	152,376
Strip	"	3,292	491,226	4,193	568,783
Structural shapes (angles, channels, etc.)	"	17,158	1,891,221	14,316	1,807,220
Wire	"	502	78,517	423	66,759
Scrap iron and steel of all kinds	ton	10,346	393,511	14,622	519,625
Pipe, tubing and fittings of iron and steel	-	-	1,424,940	-	1,266,421
Other iron and steel (except finished parts)	-	-	7,905,470	-	5,735,656
Alloy steel:					
Carbon and alloy tool steels, including high-speed ...	-	-	112,265	-	116,182
Stainless steels	-	-	230,076	-	305,553
Other alloy steels	-	-	64,463	-	168,842
Ferro-alloys	-	-	57,846	-	87,905
Non-ferrous metals (all forms, including scrap):					
Aluminum - Castings	pound	56,139	31,807	95,837	47,439
Sheet	"	16,684	6,832	11,847	5,477
Other forms	"	149,163	62,609	225,238	120,345
Brass and bronze	"	142,405	63,533	327,884	149,205
Copper - Sheet	-	-	-	-	-
Wire	pound	110	55	1,474	737
Other forms	"	3,388	1,292	7,450	3,365
Lead	"	67,918	8,389	23,293	3,685
Nickel	"	-	-	107,014	59,545
Tin	"	4,037	4,423	2,706	2,683
Zinc	"	29,964	4,489	136,750	17,589
Babbitt metals and solder	"	30,813	18,182	25,676	13,644
Other non-ferrous metals	-	-	85,974	-	23,188
Other materials and supplies:					
Paints, oils and varnishes	-	-	1,068,515	-	921,428
Cotton, duck and other textiles	-	-	382,301	-	240,494
Foundry coke (used in cupola, not for heat or power) ..	ton	4,548	119,172	5,151	137,376
Moulding sands	"	1,401	14,647	2,099	17,148
Core sands	"	4,388	24,486	4,831	26,776
Silica sand	"	207	1,864	149	1,385
Other foundry sands	"	384	9,607	86	870
Plumbago and graphite	pound	2,700	325	10,739	960
Lumber	M ft. b.m.	14,494	1,439,044	9,547	989,236
Firebrick	No.	165,122	30,799	200,650	41,452
Fireclay	ton	590	12,932	570	9,877
Cupola blocks	No.	7,694	2,661	6,840	2,279
Core oil	Imp. gal.	26,683	17,900	50,814	23,979
Shipping containers	-	-	396,542	-	328,728
All other materials and supplies	-	-	38,126,128	-	34,680,636
Total	-	-	66,712,190	-	59,283,305

TABLE 5. Production of Plows¹, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	74,696	4,852,399	1951	44,446	8,916,831
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

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

TABLE 6. Production¹ of Mowers, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	21,957	2,643,489	1951	16,540	2,617,253
1947	17,861	2,139,976	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

1. Factory shipments since 1952.

TABLE 7. Production¹ of Harrows, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	82,836	2,163,496	1951	72,068	6,802,840
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

1. Factory shipments since 1952.

TABLE 8. Production¹ of Grain Binders, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	19,062	5,699,080	1951	3,557	1,409,554
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	64,855

1. Factory shipments since 1952.

TABLE 9. Production¹ of Threshers and Reaper-Threshers, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	9,335	12,864,868	1951	22,384	56,212,282
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	41,449,898	1955	11,621	36,465,347

1. Factory shipments since 1952.

TABLE 10. Production¹ of Seed Drills, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	8,617	1,823,179	1951	11,902	5,597,882
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

1. Factory shipments since 1952.

TABLE 11. Production¹ of Cream Separators, 1946-1955 (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
		\$		\$		\$
1946	6,978	350,437	19,326	1,322,556	26,304	1,672,993
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	7,884	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

1. Factory shipments since 1952.

TABLE 12. Production¹ of One-way Discs, Harrow-Plows and Tiller-Combines, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	10,499	2,345,797	1951	23,102	8,819,419
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

1. Factory shipments since 1952.

TABLE 13. Production¹ of Cultivators, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	19,023	1,320,287	1951	28,318	4,836,787
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

1. Factory shipments since 1952.

TABLE 14. Production¹ of Weeders and Corn Planters, 1946-1955 (From all industries)

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1946	1,532	126,113	4,261	214,748
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

1. Factory shipments since 1952.

TABLE 15. Production¹ of Hay Loaders and Hay Rakes, 1946-1955 (From all industries)

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1946	4,110	452,013	12,134	748,680
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

1. Factory shipments since 1952.

TABLE 16. Production¹ of Manure Spreaders, 1946-1955 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1946	5,562	694,905	1951	8,769	2,260,385
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

1. Factory shipments since 1952.

TABLE 17. Production, Imports and Exports of Agricultural Implements and Parts, 1946-1955

Year	Production	Imports	Exports
	\$	\$	\$
1946	53,991,000	68,352,000	28,662,000
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

Note. In Table 17 the 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, 1951-1955

Province	1951	1952	1953	1954	1955
	\$	\$	\$	\$	\$
Newfoundland	119,945	254,276	281,712	269,246	343,876
Maritimes	6,769,116	8,864,275	7,563,698	4,987,275	6,485,628
Quebec	23,816,008	23,745,129	20,587,165	16,942,850	21,713,939
Ontario	58,736,885	51,448,643	45,442,835	39,360,291	43,819,906
Manitoba	31,698,984	31,578,047	28,030,312	15,538,264	15,652,835
Saskatchewan	61,147,757	75,859,527	80,333,503	37,371,962	33,113,149
Alberta	48,267,092	53,505,361	51,302,523	28,017,559	28,800,919
British Columbia	5,064,558	5,021,983	4,508,606	4,215,248	5,185,630
Canada	235,620,345	250,277,241	238,050,354	146,702,695	155,115,882

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, 1954 and 1955

Type	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1954					
Individual ownership	13	67	140,816	211,400	487,675
Partnerships	8	58	112,399	90,834	267,621
Incorporated companies.....	54	11,680	39,971,756	66,409,956	118,250,932
Co-operatives	1				
Total	76	11,805	40,224,971	66,712,190	119,006,228
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

TABLE 21. Principal Statistics of the Agricultural Implements Industry in Canada, Grouped According to Size of Establishment, 1954 and 1955

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.	\$	\$	\$
1954					
Under \$10,000	7	16	23,643	19,689	50,691
\$10,000 to \$24,999	8	30	57,086	48,719	130,102
\$25,000 to \$49,999	12	77	165,516	175,223	393,594
\$50,000 to \$99,999	8	96	211,256	195,134	585,642
\$100,000 to \$199,999	15	335	860,175	864,889	2,247,507
\$200,000 to \$499,999	7	328	867,636	1,238,211	2,537,073
\$500,000 to \$999,999	9	438	1,464,166	2,320,736	5,447,280
\$1,000,000 to \$4,999,999	5	1,293	3,776,717	5,654,360	11,564,961
\$5,000,000 and over	5	9,186	32,738,107	56,195,229	96,049,378
Head offices	—	6	60,669	—	—
Total	76	11,805	40,224,971	66,712,190	119,006,228
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	6,110,588
\$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

TABLE 22. Capital and Repair Expenditures in the Agricultural Implements Industry, 1951-1955

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							
1951	1,661	2,605	4,266	1,086	4,004	5,090	9,356
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 ¹	749	1,598	2,347	744	2,179	2,923	5,270

1. Preliminary.

TABLE 23. Employees and Their Earnings in the Agricultural Implements Industry, by Provinces, 1954 and 1955

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1954								
Quebec.....	28	7	167	—	202	145,117	366,406	511,523
Ontario.....	2,109	517	8,134	89	10,849	10,729,435	26,702,509	37,431,944
Manitoba.....	70	22	338	—	430	460,971	897,154	1,358,125
Saskatchewan.....	25	6	54	—	85	105,811	168,771	274,582
Alberta.....	46	12	147	4	209	230,282	359,074	589,356
Other provinces.....	11	3	16	—	30	18,690	40,751	59,441
Canada.....	2,289	567	8,856	93	11,805	11,690,306	28,534,665	40,224,971
1955								
Quebec.....	33	11	231	4	279	152,417	454,613	607,030
Ontario.....	2,063	533	8,177	86	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

TABLE 24. Production Workers, by Months, 1954 and 1955

Month	1954			1955		
	Male	Female	Total	Male	Female	Total
January.....	9,447	100	9,547	9,540	101	9,641
February.....	10,229	105	10,334	10,184	105	10,289
March.....	10,779	105	10,884	10,171	107	10,278
April.....	10,531	102	10,633	10,158	100	10,258
May.....	10,525	89	10,614	9,583	93	9,676
June.....	10,693	95	10,788	8,089	85	8,174
July.....	9,516	92	9,608	8,313	80	8,393
August.....	7,956	87	8,043	8,121	77	8,198
September.....	7,320	85	7,405	8,026	81	8,107
October.....	5,425	75	5,500	7,557	90	7,647
November.....	5,225	75	5,300	8,101	102	8,203
December.....	8,544	99	8,643	8,418	101	8,519
Average.....	8,856	93	8,949	8,858	94	8,952

TABLE 25. Imports of Agricultural Implements, 1954 and 1955

Item	Unit of measure	1954		1955	
		Quantity	Value \$	Quantity	Value \$
Cream separators.....	No.	9,642	974,898	12,017	1,309,894
Cream separator parts.....	-	-	114,669	-	133,175
Milk clarifiers and complete parts.....	-	-	38,540	-	38,744
Milking machines, and attachments therefor; centrifugal machines for testing butter fat, milk or cream, and complete parts of articles specified in this item.....	-	-	1,829,391	-	1,708,923
Pasteurizers for dairying purposes, and complete parts.....	No.	646	592,818	291	367,357
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.....	-	-	1,704,065	-	1,671,830
Forks, pronged.....	Doz.	8,387	68,399	7,835	81,849
Harvesters, self-binding or not, and binding attachments and parts.....	No.	3,350	2,332,790	2,711	2,244,422
Hay loaders and parts.....	"	906	209,281	831	190,812
Hay tedders and parts.....	"	38	10,712	26	7,511
Mowing machines and parts.....	"	7,213	1,971,299	6,967	2,359,995
Potato diggers and planters, and parts.....	"	836	309,526	767	339,175
Rakes, horse or power, and parts.....	"	5,738	1,614,234	7,851	2,037,687
Rakes, n.o.p.....	Doz.	23,543	129,381	26,257	134,263
Reapers and parts.....	-	-	-	-	-
Scythes.....	Doz.	4,210	55,891	6,599	92,392
Sickles or reaping hooks.....	"	3,168	17,646	2,024	12,741
Cultivators, horse hoes, scufflers, weeders, and parts.....	-	-	2,831,555	-	2,802,672
Drills, seed, garden seeders, and parts.....	-	-	1,175,040	-	1,165,649
Harrows, disc, and parts.....	-	-	1,188,767	-	1,118,622
Harrows and parts n.o.p.....	-	-	582,990	-	417,403
Hoes.....	Doz.	3,381	32,285	3,129	24,262
Plows, disc, and parts.....	-	-	1,412,587	-	851,579
Plows and parts, n.o.p.....	-	-	3,707,696	-	2,623,577
Rollers, farm, field, lawn or garden, and soil packers, and parts.....	No.	3,791	74,721	2,908	57,266
Fanning mills, peaviners and corn-husking machines, and parts.....	"	1,655	765,950	1,682	999,392
Harvesters in combination with threshing machine separators, and complete parts.....	"	4,212	17,435,823	2,436	14,886,474
Threshing machine separators.....	"	95	61,675	76	36,961
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts.....	-	-	301,431	-	326,847
Equipment for generating electric power for farm purposes only, viz.: engine, gas tank, generator, storage battery and switchboard, and complete parts.....	-	-	90,672	-	77,752
Podder; feed or ensilage cutters, and parts.....	No.	351	162,876	579	256,290

TABLE 25. Imports of Agricultural Implements, 1954 and 1955 - Concluded

Item	Unit of measure	1954		1955	
		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	-	-	654,120	-	442,767
Grain crushers and grain or hay grinders, and parts	No.	1,909	509,314	2,718	593,836
Hay presses and parts	"	3,774	5,535,043	5,874	7,816,663
Manure spreaders and parts	"	3,787	1,128,447	5,075	1,673,984
Post hole diggers and parts	"	3,847	84,524	4,337	119,627
Spades and shovels, of iron or steel, n.o.p.	Dtz.	10,378	129,519	10,499	127,871
Spraying and dusting machines and parts, including hand sprayers and parts	-	-	2,416,744	-	2,713,184
Stumping machines and complete parts	-	-	-	-	-
Traction ditching machines (not being plows), and parts	No.	39	518,288	58	679,215
Tractors, internal combustion (for farm and other purposes)	No.	30,702	54,647,796	33,133	77,671,351
Tractors, internal combustion, parts of; traction attachments and parts (for farm and other purposes)	-	-	28,164,682	-	37,702,517
Windmills and complete parts, not including shafting	-	-	8,207	-	6,609
Pruninghooks and shears and animal dehorning instruments	-	-	124,246	-	118,604
Agricultural implements and parts, other	-	-	7,444,746	-	10,205,806
Total imports	-	-	143,163,284	-	178,247,550

TABLE 26. Exports of Agricultural Implements, 1954 and 1955

Item	Unit of measure	1954		1955	
		Quantity	Value \$	Quantity	Value \$
Cream separators and parts	-	-	122,282	-	32,743
Milking machines and parts	-	-	1,467,220	-	1,401,516
Harvesters and binders	No.	276	170,492	82	46,703
Hay rakes	"	4,431	1,164,431	5,926	1,488,048
Mowing machines and reapers	"	4,395	849,635	12,737	3,328,066
Reaper-threshers	"	9,244	35,305,620	9,248	29,809,117
Cultivators	"	5,218	994,201	5,898	1,343,266
Drills and sowers	"	8,833	3,291,469	12,827	4,209,267
Harrows, disc, and parts	-	-	2,110,179	-	2,764,117
Harrows and parts, n.o.p.	-	-	230,617	-	228,121
Plows, disc, and parts	-	-	3,989,506	-	3,188,472
Plows and parts, n.o.p.	-	-	3,537,930	-	3,898,184
Planters	No.	1,665	121,937	687	135,084
Threshing-machine separators and parts	-	-	345,115	-	240,916
Garden and farm tools	-	-	69,107	-	57,714
Spades and shovels, and parts	Doz.	321	6,238	2,171	41,212
Garden tractors	No.	4	1,313	6	618
Farm tractors	"	3,726	5,950,772	2,409	3,802,847
Attachments for agricultural implements	-	-	1,696,596	-	1,877,019
Farm implements and machines, n.o.p.	-	-	7,406,052	-	5,290,868
Parts of farm implements and machines, n.o.p.	-	-	7,940,722	-	12,825,941
Total exports	-	-	76,771,434	-	76,009,839

List of Firms in the Agricultural Implements Industry, 1955

Name of firm	Address
Quebec:	
Banville & Fils Engr.	St-Octave de Métis
Desjardins Limitée	St-André de Kamouraska
Dion Frères Inc.	St-Thérèse de Blainville
La Compagnie Jutras Limitée	Victoriaville
Ledoux, V., Manufacturing Reg'd.	St-Hyacinthe
Laperle, Louis, Engr.	St-Ours
Lessard Machineries Engr.	St-Wenceslas
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
Frost & Wood Company Limited	Smiths Falls
Garden Tractor Sales Company	Box 333, Walkerville
Gray-Snyder Ltd.	Hillsburgh
Heavy Duty Products	635 Laurel St., Preston
Herrgott Thresher Co. Limited	Main St., St. Clements
International Harvester Company of Canada, Limited	Sherman Ave. N., Hamilton
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
Rittenhouse, 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
Waterloo Manufacturing Co. Ltd., The	67 King St. S., Waterloo
White, Geo., & Sons Co., Ltd.	Cabell Ave., London
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
Farmhand Company, The	1236 Sargent Ave., Winnipeg
Forever Industries Limited	115 Robinson St., Winnipeg
Hart-Emerson Company Limited, The	1425 Whyte Ave., Winnipeg
Hydraulic Engineering Co.	Partridge & Aikins 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
Tractor Boneyard	Albert St. & 2nd Ave., Regina

List of Firms in the Agricultural Implements Industry, 1955 - Concluded

Name of firm	Address
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
Johnson Farm Machine Co. Ltd.	Barons
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
Okanagan Turbo Sprayers Ltd.	255 Ellis St., Penticton
Rain Bird Sprinkler Mfg. Co. (Canada) Ltd.	542 Cordova St., Vancouver
Trump Limited	Penticton St., Oliver

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