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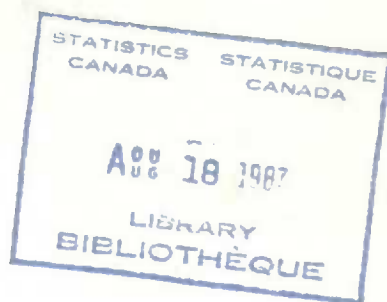
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CANADA



THE AGRICULTURAL IMPLEMENTS INDUSTRY 1954



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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, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - 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

1954

Factory shipments reported by establishments in the Agricultural Implements Industry were valued at \$119,006,228 in 1954, a decline of 30.5 per cent from the \$171,269,525 reported in the previous year. The output of farm equipment in this industry amounted to \$109,098,976 in 1954, \$156,287,039 in 1953 and \$188,183,920 in 1952; the remainder of the output of the industry in each year was made up of miscellaneous types of machinery and parts. In other industries there was a small production of farm machinery amounting to \$3,990,000 in 1954, \$3,564,000 in 1953 and \$6,504,000 in 1952.

Seventy-six factories were included in the Agricultural Implements Industry in 1954, there being 29 plants in Ontario, 17 in Manitoba, 9 in Saskatchewan, 9 in Alberta, 7 in Quebec, 4 in British Columbia and 1 in Prince Edward Island. The works in Ontario accounted for 92.4 per cent of the total output.

The industry employed a total of 11,805 workers during the year, the 2,856 salaried employees being paid \$11,690,306 and the 8,949 wage-earners, \$28,534,665. The total of \$40,224,971 for salaries and wages was 20 per cent less than the amount distributed to the 14,161 employees in 1953.

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, 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 figure for 1954.

TABLE 1. Principal Statistics of the Agricultural Implements Industry, Significant Years, 1929-1954, and by Provinces, 1953 and 1954

Year and province	Estab-lish-ments	Em-ployees	Earnings	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
1950	86	16,223	43,284,686	2,020,481	79,123,750	68,356,009	149,500,240
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							
Quebec	6	240	640,750	23,357	879,178	800,303	1,702,838
Ontario	32	12,778	46,504,598	1,629,246	84,329,988	70,846,260	156,805,494
Manitoba	18	604	1,665,552	87,780	3,591,045	4,960,289	8,639,114
Saskatchewan	9	136	387,670	18,386	359,029	597,570	974,985
Alberta	9	336	956,051	57,770	958,343	1,644,174	2,660,287
Prince Edward Island	1	67	147,386	7,975	226,956	251,876	486,807
British Columbia	5						
Canada	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

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 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Quebec	629,956	203,544	503,894	1,337,394
Ontario	19,308,825	13,520,464	9,538,162	42,367,451
Manitoba	748,986	286,287	551,289	1,586,562
Alberta	329,218	224,671	515,843	1,069,732
Other provinces	189,069	58,661	162,122	409,852
Canada	21,206,054	14,293,627	11,271,310	46,770,991
Closing:				
Quebec	489,664	329,644	434,228	1,253,536
Ontario	15,028,263	11,947,846	8,191,284	35,167,393
Manitoba	622,522	191,252	639,783	1,453,557
Alberta	326,309	218,773	527,468	1,072,550
Other provinces	162,720	38,719	166,965	368,404
Canada	16,629,478	12,726,234	9,959,728	39,315,440

1. (a) Book value of all manufacturing inventories 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.

TABLE 3. Products of the Agricultural Implements Industry, 1953 and 1954

Product	1953		1954	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Planting, seeding and fertilizing machinery:				
Corn planters — horse and tractor drawn	1,850	132,172	1,201	164,804
Transplanters	92	16,517	214	37,391
Grain and fertilizer drills (combination)	18,748	7,516,361	9,490	4,795,581
Grain drills — plain and press	7,669	3,164,105	3,848	1,617,099
Seed boxes for harrow-plows, one-way discs and tiller-combines	11,137	1,670,338	7,383	886,006
Fertilizer and lime sowers, horse or tractor drawn	470	61,317	224	19,402
Manure spreaders	10,801	3,584,170	5,968	2,134,507
Manure loaders	199	37,270	48	8,550
All other planting, seeding and fertilizing machines	—	216,335	—	279,354
Plows:				
Walking plows:				
1-furrow	1,506	29,806	474	7,053
2-furrow	—	—	—	—
Riding gang plows — 2-furrow	—	—	—	—
Mouldboard plows:				
Tractor-drawn	10,201	2,443,596	5,131	1,391,362
Tractor-mounted	5,697	439,158	5,807	801,645
Disc plows:				
Horse-drawn	—	—	—	—
Tractor-drawn	2,199	1,123,515	1,437	575,664
Harrow-plows, one-way discs, tiller-combines	17,073	7,914,542	8,006	4,048,150
All other plows	1,717	357,106	2,349	194,864
Tilling, cultivating and weeding machines:				
Harrow:				
Drag (sections)	49,706	504,427	39,960	408,122
Spring-tooth (sections)	9,777	424,540	6,862	237,187
Disc — horse or tractor drawn:				
Under 12'	17,292	987,641	14,036	813,848
12' or over	9,820	3,769,539	3,518	1,050,030
Tandem tractor disc	2,121	375,153	841	161,283
Land rollers	—	—	—	—
Soil packers	7,185	376,709	4,575	262,201
Scufflers and horse hoes	726	18,478	2,354	53,522
Corn cultivators:				
Horse and tractor drawn	30	2,368	767	347,273
Tractor-mounted	2,920	962,475	755	106,461
Field cultivators:				
Horse and tractor drawn	8,842	2,087,813	7,742	2,054,992
Tractor-mounted	210	49,616	52	4,226
Rod weeders	1,719	250,430	1,199	190,258
Blade weeders	487	224,011	1,017	417,283
Other tilling, cultivating and weeding machines	—	882,971	—	323,353
Haying machinery:				
Mowers:				
Horse-drawn	1,254	178,422	456	74,945
Tractor-drawn or mounted	12,676	2,538,756	6,550	1,314,708
Hay loaders	4,755	954,059	1,674	398,565
Dump rakes	3,117	260,229	648	58,921
Side rakes and tedders	8,421	2,020,205	7,085	1,728,403
All other haying machinery (including hay balers, hay carriers, etc.)	—	4,780,766	—	5,002,174

TABLE 3. Products of the Agricultural Implements Industry, 1953 and 1954 - Concluded

Product	1953		1954	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Harvesting machinery:				
Combine reaper-threshers and stationary threshers.....	21,776	61,648,115	12,833	37,342,685
Swathers and windrowers.....	11,671	6,675,766	8,022	4,822,701
Pick-up attachments for combines.....	10,809	1,943,464	4,537	809,981
Grain binders:				
Ground-drive.....	1,467	675,203	120	58,452
Power take-off drive.....	296	125,713	200	104,630
Corn binders:				
Ground-drive.....	—	—	32	16,690
Power take-off drive.....	91	39,194	—	—
Potato diggers - horse or tractor drawn.....	26	6,583	—	—
All other harvesting machines (including headers, push harvesters, barge elevators, etc.).....	—	1,200,451	—	1,183,360
Machines for preparing crops for market or use:				
Stationary threshers.....	See item under "Harvesting machinery"			
Ensilage cutters.....	270	146,451	92	44,643
Corn shellers.....	258	6,837	554	15,896
Grain grinders.....	3,090	203,533	2,267	125,148
Rollers or crushers.....	105	14,300	100	6,700
Pulpers.....	11	610	6	336
Fanning mills or grain cleaners.....	2,128	285,451	1,497	227,969
Hammermills.....	94	15,390	154	28,468
Feed mixers.....	247	32,706	163	23,926
Grain loaders and elevators.....	14,729	2,846,837	4,748	844,403
All other machines for preparing crops for market or use.....	—	65,775	—	74,020
Tractors and engines:				
Garden tractors (including motor tillers).....	794	151,967	716	93,753
Spraying and dusting equipment:				
All types (including attachments).....	—	1,302,595	—	1,314,439
Farm wagons, trucks and sleighs:				
Wagon boxes.....	651	57,776	411	56,176
Wagon gears (standard).....	527	48,230	1,350	139,152
Farm trucks (low wheel - steel or wood).....	—	—	—	—
Rubber-tired gears or trailers.....	7,641	1,051,367	4,871	677,514
Sleighs.....	714	82,359	36	4,979
All other farm wagons, sleighs and trucks.....	—	163,878	—	49,588
Domestic water systems and pumps:				
Domestic water-pressure systems and power-pumps.....	756	68,049	1,306	130,312
All other systems and pumps.....	—	104,743	—	4,605
Dairy machinery and equipment, including cream separators, milking machines, etc.	—	2,827,732	—	2,887,355
Miscellaneous farm implements and machinery.....	—	13,724,744	—	10,995,662
Parts and accessories for farm implements and machinery.....	—	10,416,304	—	15,046,246
Total farm machinery and parts.....	—	156,287,039	—	109,098,976
Amount received for custom work and repairs.....	—	10,167,846	—	4,698,159
All other products.....	—	4,814,640	—	5,209,093
Total all products.....	—	171,269,525	—	119,006,228

TABLE 4. Materials Used in the Agricultural Implements Industry, 1953 and 1954

Material	Unit of measure	1953		1954	
		Quantity	Total cost at works	Quantity	Total cost at works
			\$		\$
Iron:					
Pig iron, all grades	ton	12,798	727,335	7,841	439,478
Steel, hot or cold rolled (except special alloy steel):					
Bars	ton	74,062	8,496,873	65,044	7,349,073
Plates	"	5,723	682,083	4,642	574,097
Sheets, plain	"	29,525	3,900,093	23,213	3,052,853
Sheets, galvanized	"	7,926	1,271,108	4,437	712,280
Tin plate	"	5	2,163	1	366
Strip	"	4,930	756,602	3,292	491,226
Structural shapes (angles, channels, etc.)	"	24,521	2,661,054	17,158	1,891,221
Wire	"	915	110,796	502	78,517
Scrap iron and steel of all kinds	ton	14,337	611,650	10,346	393,511
Pipe, tubing and fittings of iron and steel	-	-	2,329,075	-	1,424,940
Other iron and steel (except finished parts)	-	-	12,525,487	-	7,905,470
Alloy steel:					
Carbon and alloy tool steels, including high-speed	-	-	125,466	-	112,265
Stainless steels	-	-	204,385	-	230,076
Other alloy steels	-	-	68,478	-	64,463
Ferro-alloys	-	-	89,122	-	57,846
Non-ferrous metals (all forms, including scrap):					
Aluminum - Castings	pound	67,491	39,715	56,139	31,807
Sheet	"	67,160	24,711	16,684	6,832
Other forms	"	36,953	10,890	149,163	62,609
Brass and bronze	"	217,172	97,549	142,405	63,533
Copper - Sheet	"	15,000	7,562	-	-
Wire	"	1,442	765	110	55
Other forms	"	16,877	4,895	3,388	1,292
Lead	"	66,894	9,923	67,918	8,389
Nickel	"	57,018	20,242	-	-
Tin	"	6,017	7,109	4,037	4,423
Zinc	"	38,561	5,865	29,964	4,489
Babbitt metals and solder	"	43,110	19,401	30,813	18,182
Other non-ferrous metals	-	-	102,452	-	85,974
Other materials and supplies:					
Paints, oils and varnishes	-	-	1,560,260	-	1,068,515
Cotton, duck and other textiles	-	-	628,297	-	382,301
Foundry coke (used in cupola, not for heat or power)	ton	6,016	164,771	4,548	119,172
Moulding sands	"	1,993	17,836	1,401	14,647
Core sands	"	6,230	34,499	4,388	24,486
Silica sand	"	475	4,414	207	1,864
Other foundry sands	"	319	8,371	384	9,607
Plumbago and graphite	pound	5,412	570	2,700	325
Lumber	M ft. b. m.	17,874	1,910,148	14,494	1,439,044
Firebrick	No.	232,509	40,165	165,122	30,799
Fireclay	ton	597	11,712	590	12,932
Cupola blocks	No.	7,886	2,732	7,694	2,661
Core oil	Imp. gal.	55,137	46,434	26,683	17,900
Shipping containers	-	-	598,642	-	396,542
All other materials and supplies	-	-	50,402,839	-	38,126,128
Total	-	-	90,344,539	-	66,712,190

TABLE 5. Production of Plows¹, 1945-1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	56,262	2,891,507	1950	41,709	7,918,510
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

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

TABLE 6. Production¹ of Mowers, 1945-1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	20,511	2,029,967	1950	16,658	2,708,979
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

1. Factory shipments since 1952.

TABLE 7. Production¹ of Harrows, 1945-1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	48,565	886,995	1950	97,047	5,290,631
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

1. Factory shipments since 1952.

TABLE 8. Production¹ of Grain Binders, 1945-1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	17,195	4,583,285	1950	6,147	2,306,723
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

1. Factory shipments since 1952.

TABLE 9. Production¹ of Threshers and Reaper-Threshers, 1945-1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	6,471	9,213,421	1950	18,973	41,449,898
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

1. Factory shipments since 1952.

TABLE 10. Production¹ of Seed Drills, 1945-1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	8,585	1,542,065	1950	11,704	4,247,621
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

1. Factory shipments since 1952.

TABLE 11. Production¹ of Cream Separators, 1945-1954 (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
		\$		\$		\$
	(not available separately)					
1945					30,981	1,862,913
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	369,292	3,426	389,292
1954	—	—	3,227	373,580	3,227	373,580

1. Factory shipments since 1952.

TABLE 12. Production¹ of One-way Discs, Harrow-Plows and Tiller-Combines, 1945-1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	6,199	1,153,433	1950	29,498	10,083,519
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

1. Factory shipments since 1952.

TABLE 13. Production¹ of Cultivators, 1945 - 1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	14,041	867,014	1950	27,999	5,115,228
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

1. Factory shipments since 1952.

TABLE 14. Production¹ of Weeders and Corn Planters, 1945-1954 (From all industries)

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1945	1,538	185,697	2,856	154,377
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

1. Factory shipments since 1952.

TABLE 15. Production¹ of Hay Loaders and Hay Rakes, 1945-1954 (From all industries)

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1945	2,513	241,991	11,748	562,273
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	2,280,500
1954	1,674	398,565	7,773	1,790,724

1. Factory Shipments since 1952.

TABLE 16. Production¹ of Manure Spreaders, 1945-1954 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1945	6,946	912,158	1950	7,000	1,493,878
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

1. Factory shipments since 1952.

TABLE 17. Production, Imports and Exports of Agricultural Implements and Parts, 1945-1954

Year	Production	Imports	Exports
	\$	\$	\$
1945	38,701,000	50,435,000	20,196,000
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

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, 1950-1954

Province	1950	1951	1952	1953	1954
	\$	\$	\$	\$	\$
Newfoundland	95,468	119,945	254,276	281,712	269,246
Maritimes	5,850,741	6,769,116	8,864,275	7,563,698	4,987,275
Quebec	19,137,999	23,816,008	23,745,129	20,587,165	16,942,850
Ontario	51,922,436	58,736,885	51,448,643	45,442,835	39,360,291
Manitoba	29,308,664	31,698,984	31,578,047	28,030,312	15,538,264
Saskatchewan	62,629,271	61,147,757	75,859,527	80,333,503	37,371,962
Alberta	45,117,409	48,267,092	53,505,361	51,302,523	28,017,559
British Columbia	4,125,132	5,064,558	5,021,983	4,508,606	4,215,248
Canada	218,187,120	235,620,345	250,277,241	238,050,354	146,702,695

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, 1953 and 1954

Type	Estab- lish- ments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1953					
Individual ownership	11	83	194,559	171,238	530,659
Partnerships	12	94	207,952	645,785	1,392,444
Incorporated companies	56	13,984	49,899,496	89,527,516	169,346,422
Co-operatives	1				
Total	80	14,161	50,302,007	90,344,539	171,269,525
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

TABLE 21. Principal Statistics of the Agricultural Implements Industry in Canada, Grouped According to Size of Establishment, 1953 and 1954

Establishments reporting value of factory shipments	Estab- lish- ments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1953					
Under \$10,000	4	13	19,815	7,245	25,316
\$10,000 to \$24,999	9	28	63,970	60,482	162,496
\$25,000 to \$49,999	10	42	92,839	103,801	326,972
\$50,000 to \$99,999	12	137	357,241	355,857	913,992
\$100,000 to \$199,999	11	290	698,578	666,056	1,674,810
\$200,000 to \$499,999	13	477	1,371,472	1,955,370	4,011,583
\$500,000 to \$999,999	9	674	1,917,244	2,603,146	6,708,599
\$1,000,000 to \$4,999,999	6	1,098	3,364,752	4,404,188	9,844,892
\$5,000,000 and over	6	11,396	42,354,108	80,188,394	147,600,300
Head offices	—	6	61,988	—	—
Total	80	14,161	50,302,007	90,344,539	171,269,525

TABLE 21. Principal Statistics of the Agricultural Implements Industry in Canada, Grouped According to Size of Establishment, 1953 and 1954 - Concluded

Establishments reporting value of factory shipments	Estab-lish-ments	Employees	Earnings	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

TABLE 22. Capital and Repair Expenditures in the Agricultural Implements Industry, 1950-1954

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							
1950	670	2,671	3,341	985	3,702	4,687	8,028
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 ¹	726	2,233	2,959	599	3,342	3,941	6,900

1. Preliminary.

TABLE 23. Employees and Their Earnings in the Agricultural Implements Industry, by Provinces, 1953 and 1954

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
1953								
Quebec	35	9	196	-	240	211,011	429,739	640,750
Ontario	2,278	598	9,785	117	12,778	11,722,832	34,781,766	46,504,598
Manitoba	82	28	491	3	604	444,280	1,221,272	1,665,552
Saskatchewan	22	5	109	-	136	93,355	294,315	387,670
Alberta	75	12	239	10	336	333,985	622,066	956,051
Other provinces	24	4	39	-	67	52,428	94,958	147,386
Canada	2,516	656	10,859	130	14,161	12,857,891	37,444,116	50,302,007

IRON AND STEEL PRODUCTS

TABLE 23. Employees and Their Earnings in the Agricultural Implements Industry, by Provinces, 1953 and 1954 - Concluded

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

TABLE 24. Production Workers, by Months, 1953 and 1954

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
January	13, 764	145	13, 909	9, 447	100	9, 547
February	13, 513	144	13, 657	10, 229	105	10, 334
March	12, 688	146	12, 834	10, 779	105	10, 884
April	12, 518	140	12, 658	10, 531	102	10, 633
May	11, 818	131	11, 949	10, 525	89	10, 614
June	11, 535	126	11, 661	10, 693	95	10, 788
July	10, 936	119	11, 055	9, 516	92	9, 608
August	9, 336	121	9, 457	7, 956	87	8, 043
September	9, 106	122	9, 228	7, 320	85	7, 405
October	8, 314	124	8, 438	5, 425	75	5, 500
November	8, 397	115	8, 512	5, 225	75	5, 300
December	8, 463	114	8, 577	8, 544	99	8, 643
Average	10, 859	130	10, 989	8, 856	93	8, 949

TABLE 25. Imports of Agricultural Implements, 1953 and 1954

Item	Unit of measure	1953		1954	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators	No.	9,771	851, 599	9, 642	974, 898
Cream separator parts	—	—	127, 695	—	114, 669
Milk clarifiers and complete parts	—	—	29, 005	—	38, 540
Milking machines, and attachments therefor; centrifugal machines for testing butter fat, milk or cream, and complete parts of articles specified in this item	—	—	1, 554, 804	—	1, 829, 391
Pasteurizers for dairying purposes, and complete parts	No.	289	362, 823	646	592, 818
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, 609, 534	—	1, 704, 065

TABLE 25. Imports of Agricultural Implements, 1953 and 1954 - Continued

Item	Unit of measure	1953		1954	
		Quantity	Value	Quantity	Value
			\$		\$
Forks, pronged	Doz.	6, 202	66, 485	8, 367	68, 399
Harvesters, self-binding or not, and binding attachments and parts	No.	5, 230	4, 317, 563	3, 350	2, 332, 790
Hay loaders and parts	"	1, 100	345, 418	906	209, 281
Hay tedders and parts	"	5	2, 801	38	10, 712
Mowing machines and parts	"	7, 102	1, 654, 457	7, 213	1, 971, 299
Potato diggers and planters, and parts	"	927	383, 837	836	309, 526
Rakes, horse or power, and parts	"	6, 815	1, 643, 216	5, 738	1, 614, 234
Rakes, n.o.p.	Doz.	19, 997	113, 369	23, 543	129, 381
Reapers and parts	-	-	-	-	-
Scythes	Doz.	6, 277	70, 616	4, 210	55, 891
Sickles or reaping hooks	"	7, 394	39, 858	3, 168	17, 646
Cultivators, horse hoes, scufflers, weeders, and parts	-	-	3, 123, 212	-	2, 831, 555
Drills, seed, garden seeders, and parts	-	-	1, 337, 001	-	1, 175, 040
Harrows, disc, and parts	-	-	1, 459, 519	-	1, 188, 767
Harrows and parts n.o.p.	-	-	685, 499	-	582, 990
Hoes	Doz.	2, 277	25, 526	3, 381	32, 285
Plows, disc, and parts	-	-	1, 273, 802	-	1, 412, 587
Plows and parts, n.o.p.	-	-	4, 227, 628	-	3, 707, 696
Rollers, farm, field, lawn or garden, and soil packers, and parts	No.	2, 912	65, 841	3, 791	74, 721
Fanning mills, peaviners and corn-husking machines, and parts	"	1, 607	697, 918	1, 655	765, 950
Harvesters in combination with threshing machine separators, and complete parts	"	12, 127	34, 887, 329	4, 212	17, 435, 823
Threshing machine separators	"	182	166, 606	95	61, 675
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts	-	-	593, 800	-	301, 431
Equipment for generating electric power for farm purposes only, viz.: engine, gas tank, generator, storage battery and switchboard, and complete parts	-	-	119, 814	-	90, 672
Fodder, feed or ensilage cutters, and parts	No.	10, 762	330, 432	351	162, 876
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	-	-	467, 987	-	654, 120
Grain crushers and grain or hay grinders, and parts	No.	3, 179	678, 604	1, 909	509, 314
Hay presses and parts	"	4, 976	6, 081, 697	3, 774	5, 535, 043
Manure spreaders and parts	"	4, 931	1, 398, 289	3, 787	1, 128, 447
Post hole diggers and parts	"	3, 643	141, 078	3, 847	84, 524
Spades and shovels, of iron or steel, n.o.p.	Doz.	10, 146	118, 480	10, 378	129, 519
Spraying and dusting machines and parts, including hand sprayers and parts	-	-	2, 178, 082	-	2, 416, 744
Stumping machines and complete parts	-	-	-	-	-
Traction ditching machines (not being plows), and parts	No.	61	675, 369	39	518, 288

TABLE 25. Imports of Agricultural Implements, 1953 and 1954 - Concluded

Item	Unit of measure	1953		1954	
		Quantity	Value	Quantity	Value
			\$		\$
Traction engines, internal combustion (for farm and other purposes).....	No.	52, 326	92, 477, 425	30, 702	54, 647, 796
Traction engines, internal combustion, parts of; traction attachments and parts (for farm and other purposes).....	-	-	33, 871, 187	-	28, 164, 682
Windmills and complete parts, not including shafting	-	-	15, 578	-	8, 207
Pruninghooks and shears and animal dehorning instruments	-	-	131, 249	-	124, 246
Agricultural implements and parts, other	-	-	8, 740, 421	-	7, 444, 746
Total imports	-	-	209, 143, 129	-	143, 163, 284

TABLE 26. Exports of Agricultural Implements, 1953 and 1954

Item	Unit of measure	1953		1954	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators and parts	-	-	156, 979	-	122, 282
Milking machines and parts	-	-	1, 361, 791	-	1, 467, 220
Harvesters and binders	No.	610	322, 513	276	170, 492
Hay rakes	"	3, 179	731, 587	4, 431	1, 164, 431
Mowing machines and reapers	"	5, 326	998, 172	4, 395	849, 635
Reaper-threshers	"	8, 255	29, 002, 024	9, 244	35, 305, 620
Cultivators	"	5, 017	1, 350, 932	5, 218	994, 201
Drills and sowers	"	17, 149	6, 209, 161	8, 833	3, 291, 469
Harrows, disc, and parts	-	-	1, 663, 915	-	2, 110, 179
Harrows and parts, n.o.p.	-	-	312, 778	-	230, 617
Plows, disc, and parts	-	-	4, 631, 652	-	3, 989, 506
Plows and parts, n.o.p.	-	-	2, 917, 774	-	3, 537, 930
Planters	No.	426	50, 788	1, 665	121, 937
Threshing-machine separators and parts	-	-	402, 713	-	345, 115
Garden and farm tools	-	-	48, 688	-	69, 167
Spades and shovels, and parts	Doz.	3, 126	38, 623	321	6, 238
Garden tractors	No.	1	235	4	1, 313
Farm tractors	"	3, 673	6, 495, 350	3, 726	5, 950, 772
Attachments for agricultural implements	-	-	1, 789, 265	-	1, 696, 596
Farm implements and machines, n.o.p.	-	-	8, 395, 006	-	7, 406, 052
Parts of farm implements and machines, n.o.p.	-	-	7, 436, 372	-	7, 940, 722
Total exports	-	-	74, 316, 318	-	76, 771, 434

List of Firms in the Agricultural Implements Industry, 1934

Name of firm	Address
Prince Edward Island:	
Hall Mfg. & Cold Storage Co. Ltd., The	Water St. E., Summerside
Quebec:	
Banville & Fils Enrg.	St-Octave de Métis
Desjardins Limitée	St-André de Kamouraska
Dion Frères Inc.	St-Thérèse de Blainville
La Compagnie Jutras Limitée.....	Victoriaville
Laperle, Louis, Enrg.	St-Ours
Lessard Machineries Enrg.	St-Wenceslas
Machineries Pont Rouge Ltd.	Pont Rouge
Ontario:	
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
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 Brochers 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
Sifton Wood & Iron Works.....	Sifton
Standard Gas Engine Works.....	Morden
Saskatchewan:	
Brandt Electric Ltd.	1856 Broad St., Regina
Flexi-coil Land Packers Limited.....	1025 Ave. P South, Saskatoon
Leach, J.R., & Son Ltd.	154 Eighth St. E., Prince Albert
McIntyre Manufacturing Co. Ltd.	229 Cheadle St. W., Swift Current
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
Tractor Boneyard	Albert St. & 2nd Ave., Regina

List of Firms in the Agricultural Implements Industry, 1954 - Concluded

Name of firm	Address
Alberta:	
E.C. Ferguson Co.	9027 - 111th Ave., Edmonton
Golden Arrow Service Ltd.	1439 - 10th Ave. E., Calgary
Johnson Farm Machine Co. Ltd.	Barons
Kirchner Machine Co.	2005 - 2nd Ave. South, Lethbridge
Noble Cultivators Ltd.	Nobleford
Perfection Machine Works Ltd.	5th Ave. & 3rd St. E., Calgary
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's General Machinery Co.	Cloverdale
Okanagan Turbo Sprayers Ltd.	255 Ellis St., Penticton
Trump Limited.....	Penticton St., Oliver

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