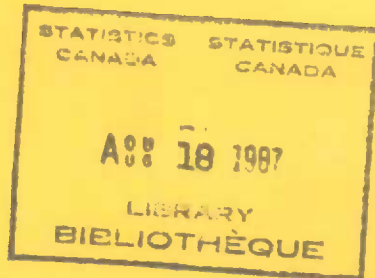


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GOVERNMENT OF CANADA



THE AGRICULTURAL IMPLEMENTS
INDUSTRY, 1951



EDMOND CLOUTIER, C.M.G., O.A., D.S.P.
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THE AGRICULTURAL IMPLEMENTS
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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries 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, by Provinces
 - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢.
 - Section 2. Principal Statistics of Individual Industries, 75¢.
 - Section 3. Principal Statistics by Regional Distribution, 75¢.
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
- X—Iron and Steel Products
- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—Miscellaneous Manufactures

The present report belongs in Part X, 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, 1951

Production by establishments in the agricultural implements industry was 14.5 per cent higher in value in 1951 than in 1950, but 3.3 per cent lower than the record high reported in 1949. Actual values (at factory prices) for these years were as follows: \$171,172,496 in 1951, \$149,500,240 in 1950, and \$176,970,283 in 1949. The output of farm equipment in this industry amounted to \$158,779,197 in 1951, \$137,971,548 in 1950, and \$164,794,099 in 1949; 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 \$3,570,000 in 1951, \$3,702,000 in 1950, and \$4,823,000 in 1949.

Eighty-one factories were included in the agricultural implements industry in 1951, there being 35 works in Ontario, 16 in Manitoba, 11 in Alberta, 9 in Saskatchewan, 6 in Quebec, 3 in British Columbia and 1 in Prince Edward Island. The works in Ontario accounted for 94 per cent of the total output.

The industry employed a total of 17,353 workers during the year, the 3,275 salaried employees being paid \$10,727,332 and the 14,078 wage-earners, \$41,490,098. The total of \$52,217,430 for salaries and wages was 20.6 per cent more than the amount distributed to the 16,223 employees in 1950.

TABLE 1. Principal Statistics of the Agricultural Implements Industry, 1947-1951

Year	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works	Net ¹ value of production
			\$	\$	\$	\$	\$
1947	61	16,013	31,244,006	1,461,921	49,799,417	89,423,469	38,162,131
1948	69	18,747	45,270,673	1,997,248	81,590,570	146,956,254	63,368,436
1949	79	17,074	44,219,589	2,092,645	95,685,026	176,970,283	79,192,612
1950	86	16,223	43,284,686	2,020,481	79,123,750	149,500,240	68,356,009
1951	81	17,353	52,217,430	1,984,214	96,469,032	171,172,496	72,719,250
Percent change 1951 from 1950	—	+7.0	+20.6	-1.8	+21.9	+14.5	+6.4

1. Gross selling value less cost of materials, fuel and electricity.

Note. Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Principal Statistics, by Provinces, 1950 and 1951

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1950						
Quebec	6	276	542,762	30,232	760,635	1,900,518
Ontario	37	14,961	40,630,384	1,876,537	75,322,342	140,280,750
Manitoba	16	512	1,041,541	59,428	1,721,075	4,120,265
Saskatchewan	8	123	263,491	14,745	354,805	843,370
Alberta	14	294	698,310	35,011	777,430	1,874,093
Prince Edward Island	1	57	103,198	4,528	187,463	481,244
British Columbia	4					
Canada	86	16,223	43,284,686	2,020,481	79,123,750	149,500,240
1951						
Quebec	6	285	609,236	36,780	1,087,359	2,321,656
Ontario	35	16,022	49,236,463	1,824,773	91,687,665	160,823,631
Manitoba	16	490	1,268,578	64,939	2,090,462	4,612,270
Saskatchewan	9	126	278,760	16,647	478,772	927,431
Alberta	11	380	733,137	33,638	872,835	2,008,205
Prince Edward Island	1	50	91,256	7,437	251,939	479,303
British Columbia	3					
Canada	81	17,353	52,217,430	1,984,214	96,469,032	171,172,496

TABLE 3. Products of the Agricultural Implements Industry, 1950 and 1951

Product	1950		1951	
	Number	Selling value at works \$	Number	Selling value at works \$
Planting, seeding and fertilizing machinery:				
Corn planters—horse and tractor drawn	151	27,865	3,133	342,496
Transplanters	100	17,237	215	51,068
Grain and fertilizer drills (combination)	34,090	10,561,667	34,967	11,931,279
Grain drills—plain and press	11,704	4,247,621	11,902	5,597,882
Seed boxes for harrow-plows, one-way discs and tiller-combines	9,709	1,213,119	8,078	1,061,465
Fertilizer and lime sowers, horse or tractor drawn	504	88,200	500	91,156
Manure spreaders	6,751	1,430,595	7,464	1,830,149
Manure loaders	109	29,450	186	58,681
All other planting, seeding and fertilizing machines	—	311,419	—	104,472
Plows:				
Walking plows:				
1 furrow	1,158	18,734	801	16,917
2 furrow	—	—	—	—
Riding gang plows—2 furrow	—	—	—	—
Mouldboard plows:				
Tractor-drawn	30,251	5,465,517	30,105	6,085,891
Tractor-mounted	4,652	467,927	8,097	662,351
Disc plows:				
Horse-drawn	600	101,918	—	—
Tractor-drawn	4,546	1,786,046	4,425	2,041,159
Harrow-plows, one-way discs, tiller-combines	29,498	10,083,519	23,102	8,819,419
All other plows	68	65,032	679	99,088
Tilling, cultivating, weeding machines:				
Harrow:				
Drag (sections)	69,542	722,033	44,034	423,795
Spring tooth (sections)	4,796	284,643	6,731	362,358
Disc—horse or tractor drawn:				
Under 12'	5,304	270,860	6,169	752,959
12' or over	5,740	2,069,893	3,713	1,788,155
Tandem tractor disc	11,193	1,925,516	11,106	3,460,673
Land rollers	125	32,265	147	39,439
Soil packers	6,725	234,001	5,763	293,086
Scufflers and horse hoes	6,441	99,902	3,055	65,858
Corn cultivators:				
Horse and tractor drawn	—	—	—	—
Tractor-mounted	—	—	1,140	203,350
Field cultivators:				
Horse and tractor drawn	26,927	4,993,363	23,650	4,465,156
Tractor-mounted	473	100,734	1,338	123,895
Rod weeders	1,735	232,102	2,051	238,998
Blade weeders	422	187,765	464	236,199
Other tilling, cultivating and weeding machines	—	172,304	—	444,622
Haying machinery:				
Mowers:				
Horse-drawn	5,049	626,997	3,486	449,457
Tractor-drawn or mounted	11,609	2,081,982	13,054	2,167,796
Hay loaders	6,674	1,079,047	6,467	1,119,685
Dump rakes	5,120	316,503	6,203	448,454
Side rakes and tedders	10,815	1,984,251	10,085	2,047,101
All other haying machinery	—	113,591	—	288,809

TABLE 3. Products of the Agricultural Implements Industry, 1950 and 1951 - Concluded

Product	1950		1951	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
Harvesting machinery:				
Combine reaper-threshers and stationary threshers	18,686	41,055,563	22,054	55,634,619
Swathers and windrowers	9,079	3,955,376	10,317	5,023,658
Pick-up attachments for combines	6,251	630,322	7,082	847,904
Grain binders:				
Ground drive	3,801	1,260,246	3,269	1,253,179
Power take-off drive	2,346	1,046,477	288	156,375
Corn binders:				
Ground drive	—	—	1,055	380,150
Power take-off drive	807	317,736	1,883	776,078
Potato diggers—horse or tractor drawn	100	23,244	—	—
All other harvesting machines (including headers, push harvesters, barge elevators, etc.)	—	143,609	—	1,203,875
Machines for preparing crops for market or use:				
Stationary threshers		See item under "Harvesting Machinery"		
Ensilage cutters	—	143,050	274	137,949
Corn shellers—hand	1,100	30,855	400	24,053
Grain grinders	2,613	151,880	2,716	148,648
Rollers or crushers	33	2,200	50	3,350
Pulpers	60	1,684	59	2,128
Fanning mills or grain cleaners	2,096	242,954	2,472	343,227
Hammermills	—	37,699	70	8,820
Feed mixers	106	22,966	134	16,569
Grain loaders and elevators	5,110	818,113	8,538	1,366,704
All other machines for preparing crops for market or use	—	102,770	—	176,212
Tractors and engines:				
Garden tractors (including motor tillers)	1,093	251,991	1,265	247,969
Spraying and dusting equipment:				
All types (including attachments)	—	1,269,844	—	1,276,792
Farm wagons, trucks and sleighs:				
Wagon boxes	1,014	68,780	1,073	76,991
Wagon gears (standard)	1,143	162,301	1,441	225,996
Farm trucks (low wheel—steel or wood)	—	—	25	7,500
Rubber-tired gears or trailers	7,055	985,777	6,587	1,102,758
Sleighs	1,211	116,338	800	153,419
All other farm wagons, sleighs and trucks	—	76,358	—	266,372
Domestic water systems and pumps:				
Domestic water-pressure systems and power pumps	1,300	107,250	2,611	222,102
All other systems and pumps	—	5,723	—	28,409
Dairy machinery and equipment, including cream separators, milking machines, etc.	—	2,580,177	—	3,269,757
Miscellaneous farm implements and machinery	—	14,437,884	—	16,153,454
Parts and accessories for farm implements and machinery	—	14,478,763	—	10,030,862
Total farm machinery and parts	—	137,971,548	—	158,779,197
Amount received for custom work and repairs	—	5,418,662	—	4,621,464
All other products	—	6,110,030	—	7,771,835
Total all products	—	149,500,240	—	171,172,496

TABLE 4. Materials Used in the Agricultural Implements Industry, 1950 and 1951

Material	Unit of measure	1950		1951	
		Quantity	Total cost at works	Quantity	Total cost at works
			\$		\$
Iron:					
Pig iron, all grades	ton	26,699	1,239,263	24,702	1,286,682
Iron castings of all kinds, purchased	"	50,669	10,115,340	53,730	11,252,162
Steel, hot or coldrolled (except special alloy steel):					
Steel castings	ton	678	274,329	704	291,820
Bars	"	105,434	10,087,291	90,847	9,464,250
Forgings	"	—	201,678	—	546,887
Plates	"	4,791	527,297	7,339	812,488
Shafting	"	7,694	1,302,195	12,057	1,857,978
Sheets, plain	"	21,442	2,492,422	25,684	3,645,970
Sheets, galvanized	"	7,670	1,076,468	7,578	1,148,744
Tin plate	base box	903	22,417	1,164	25,815
Strip	ton	3,390	378,085	6,059	819,506
Stampings	"	—	158,554	—	122,191
Structural shapes (angles, channels, etc.)	"	6,559	682,393	22,702	2,409,907
Wire	"	740	110,804	1,420	215,565
Scrap iron and steel of all kinds	ton	19,234	750,743	16,417	648,197
Pipe, tubing and fittings of iron and steel	ton	—	1,403,553	—	2,095,948
Other iron and steel (except finished parts)	—	—	1,624,542	—	1,011,175
Alloy steel:					
Carbon and alloy tool steels, including high-speed	—	—	135,782	—	159,700
Stainless steels	—	—	164,379	—	239,118
Other alloy steels	—	—	32,988	—	111,393
Ferro-alloys	—	—	75,600	—	82,297
Non-ferrous metals (all forms, including scrap):					
Aluminum	pound	194,367	67,077	158,538	67,394
Brass and bronze	"	426,821	137,527	238,500	95,950
Copper	"	54,931	16,728	24,241	7,669
Lead	"	35,025	5,966	17,553	2,781
Nickel	"	32,643	18,879	1,000	575
Tin	"	4,278	4,537	1,520	1,957
Zinc	"	55,012	10,957	97,014	25,637
Babbitt metals and solder	"	96,237	35,840	76,894	35,736
Other metals	—	—	23,495	—	99,450
Other materials and supplies:					
Parts for machines or vehicles	—	—	22,216,912	—	28,899,893
Bolts, nuts, rivets and screws	—	—	1,675,052	—	2,343,902
Electrical goods, including motors	—	—	1,108,112	—	376,226
Paints, oils and varnishes	—	—	1,324,376	—	1,660,370
Wheels	No.	—	1,637,441	—	2,046,086
Cotton, duck and other textiles	—	—	532,228	—	714,300
Foundry coke (used in cupola, not for heat or power)	ton	9,578	252,191	8,457	240,506
Moulding sands	"	8,585	65,162	8,188	49,616
Core sands	"	5,384	24,329	4,833	22,266
Silica sand	"	818	6,671	396	3,170
Other foundry sands	—	—	1,718	—	2,066
Plumbago and graphite	pound	9,505	865	10,020	996
Other foundry facings	—	—	4,161	—	1,336
Patterns and models	—	—	205,375	—	25,746
Lumber	M ft. b. m.	24,600	2,342,959	32,710	2,876,021
Firebrick	No.	601,410	82,363	625,051	73,766
Fireclay	ton	1,001	8,053	450	6,455
Cupola blocks	No.	16,232	4,856	7,097	2,881
Core oil	Imp. gal.	24,247	16,855	21,494	16,613
Core compounds	—	—	13,570	—	22,939
Acetylene	cu. ft.	1,345,047	42,370	1,477,550	36,265
Oxygen	"	2,266,002	42,505	1,983,604	31,950
Shipping containers	—	—	100,222	—	225,341
All other materials and supplies	—	—	14,238,275	—	18,305,180
Total	—	—	79,123,750	—	96,469,032

TABLE 5. Production of Plows¹, 1942-1951 (Including some plows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942.....	53,862	2,435,188	1947.....	72,460	4,552,612
1943.....	36,415	1,948,793	1948.....	69,446	7,217,103
1944.....	35,558	2,124,021	1949.....	48,848	7,767,151
1945.....	56,262	2,891,507	1950.....	41,709	7,918,510
1946.....	74,696	4,852,399	1951.....	44,446	8,916,831

1. Not including harrow-plows, one-way discs or tiller-combines.

TABLE 6. Production of Mowers, 1942-1951

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942.....	8,816	723,773	1947.....	17,861	2,139,976
1943.....	5,672	495,496	1948.....	21,428	2,835,300
1944.....	9,448	852,560	1949.....	28,187	3,880,013
1945.....	20,511	2,029,967	1950.....	16,658	2,708,979
1946.....	21,957	2,643,489	1951.....	16,540	2,617,253

TABLE 7. Production of Harrows, 1942-1951 (Including some harrows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942.....	31,577	784,406	1947.....	72,894	2,328,290
1943.....	11,400	405,298	1948.....	93,701	3,681,893
1944.....	26,641	692,686	1949.....	121,371	5,439,217
1945.....	48,565	886,995	1950.....	97,047	5,290,631
1946.....	82,836	2,163,496	1951.....	72,068	6,802,840

TABLE 8. Production of Grain Binders, 1942-1951

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942.....	9,703	2,307,714	1947.....	17,109	5,821,568
1943.....	9,465	2,426,114	1948.....	18,025	6,359,954
1944.....	8,278	1,994,109	1949.....	12,615	5,123,012
1945.....	17,195	4,583,285	1950.....	6,147	2,306,723
1946.....	19,062	5,699,080	1951.....	3,557	1,409,554

IRON AND STEEL PRODUCTS

TABLE 9. Production of Threshers and Reaper-Threshers, 1942-1951
(Including some threshers made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942	2,994	2,746,543	1947	11,705	19,108,003
1943	2,244	2,532,930	1948	19,005	39,528,632
1944	4,615	6,356,896	1949	23,859	53,374,814
1945	6,471	9,213,421	1950	18,973	41,449,898
1946	9,335	12,864,868	1951	22,384	56,212,282

TABLE 10. Production of Seed Drills, 1942-1951

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942	8,680	1,433,927	1947	10,899	2,815,312
1943	6,906	1,335,105	1948	7,939	2,795,642
1944	6,915	1,281,642	1949	8,301	2,845,541
1945	8,585	1,542,085	1950	11,704	4,247,621
1946	8,617	1,823,179	1951	11,902	5,597,882

TABLE 11. Production of Cream Separators, 1942-1951 (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
		\$		\$		\$
1942	(Not available separately for these years)				20,986	1,084,035
1943					13,081	866,073
1944					25,737	1,574,041
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

TABLE 12. Production of One-way Discs, Harrow-Plows and Tiller-Combines, 1942-1951

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942	7,020	1,165,426	1947	19,292	4,342,744
1943	4,696	767,993	1948	33,259	10,371,290
1944	5,740	1,290,975	1949	39,868	13,051,057
1945	6,199	1,153,433	1950	29,498	10,083,519
1946	10,499	2,345,797	1951	23,102	8,819,419

TABLE 13. Production of Cultivators, 1942-1951 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942.....	8,469	478,549	1947.....	29,495	2,932,015
1943.....	6,031	275,634	1948.....	26,174	3,404,697
1944.....	7,237	554,691	1949.....	27,118	3,758,130
1945.....	14,041	867,014	1950.....	27,999	5,115,228
1946.....	19,023	1,320,287	1951.....	28,318	4,836,787

TABLE 14. Production of Weeders and Corn Planters, 1942-1951

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1942.....	1,400	68,709	1,991	86,724
1943.....	450	23,013	1,589	71,389
1944.....	1,041	49,563	1,871	147,973
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

TABLE 15. Production of Hay Loaders and Hay Rakes, 1942-1951

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1942.....	1,490	127,038	5,204	208,055
1943.....	1,359	131,759	2,720	124,240
1944.....	2,434	224,664	6,462	301,727
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

TABLE 16. Production of Manure Spreaders, 1942-1951 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1942	2,449	323,709	1947	5,963	839,863
1943	2,125	260,082	1948	9,561	1,733,361
1944	4,242	592,070	1949	13,199	2,013,387
1945	6,946	912,158	1950	7,000	1,493,878
1946	5,562	694,905	1951	8,769	2,260,385

TABLE 17. Production, Imports and Exports of Agricultural Implements and Parts, 1942-1951

Year	Production	Imports	Exports
	\$	\$	\$
1942	19,638,000	23,644,000	9,122,000
1943	18,930,000	20,228,000	10,284,000
1944	26,297,000	40,611,000	13,434,000
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

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 20 and 21.

TABLE 18. Sales of Agricultural Implements and Equipment, by Provinces, 1947-1951

Province	1947	1948	1949	1950	1951
	\$	\$	\$	\$	\$
Maritimes ¹	4,286,830	5,461,031	5,399,111	5,946,209	6,889,061
Quebec	11,361,856	14,906,555	16,657,442	19,137,999	23,816,008
Ontario	28,036,903	38,453,369	47,775,991	51,922,436	58,736,885
Manitoba	15,583,121	23,369,284	37,474,620	29,308,664	31,698,984
Saskatchewan	33,382,699	46,505,877	59,629,464	62,629,271	61,147,757
Alberta	25,953,168	36,748,138	44,459,129	45,117,409	48,267,092
British Columbia	3,790,165	5,221,816	5,693,928	4,125,132	5,064,558
Canada	122,394,742	170,666,070	217,089,685	218,187,120	235,620,345

1. Included Newfoundland since 1949.

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

TABLE 20. Imports of Agricultural Implements, 1950 and 1951

Item	Unit of measure	1950		1951	
		Quantity	Value	Quantity	Value
Cream separators.....	No.	6,343	\$ 431,707	10,159	\$ 668,523
Cream separator parts.....	—	—	310,781	—	145,399
Milk clarifiers and complete parts	—	—	20,896	—	39,825
Milking machines, and attachments therefor, centrifugal machines for testing butter fat, milk or cream, and complete parts of articles specified in this item.....	—	—	1,241,193	—	1,271,482
Pasteurizers for dairying purposes, and complete parts	No.	—	218,398	303	271,383
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	—	—	1,061,487	—	1,226,336
Forks, pronged.....	Doz.	1,345	20,767	1,635	26,900
Harvesters, self-binding or not, and binding attachments and parts	No.	5,739	3,536,761	5,086	4,084,600
Hay loaders and parts.....	"	740	298,397	1,082	476,279
Hay tedders and parts.....	"	—	3,387	20	5,296
Mowing machines and parts	"	4,558	1,103,678	6,942	1,853,249
Potato diggers and planters, and parts	"	1,373	414,959	574	223,690
Rakes, horse or power, and parts	"	3,185	814,412	4,877	1,333,655
Rakes, n.o.p.	Doz.	10,321	46,062	18,891	93,615
Reapers and parts	—	—	—	—	—
Scythes	Doz.	1,541	21,824	5,391	60,307
Sickles or reaping hooks	"	821	4,349	945	5,750

TABLE 20. Imports of Agricultural Implements, 1950 and 1951 — Concluded

Item	Unit of measure	1950		1951	
		Quantity	Value \$	Quantity	Value \$
Cultivators, horse hoes, scufflers, weeders, and parts	—	—	2,811,585	—	3,198,023
Drills, seed, garden seeders, and parts.....	—	—	1,841,724	—	1,869,027
Harrows, disc, and parts	—	—	1,602,589	—	1,621,738
Harrows and parts, n.o.p.....	—	—	708,393	—	542,733
Hoes	Doz.	1,334	12,861	1,144	9,539
Plows, disc, and parts	—	—	2,682,176	—	2,505,942
Plows and parts, n.o.p.	—	—	4,860,841	—	5,393,381
Rollers, farm, field, lawn or garden, and soil packers, and parts.....	No.	675	35,767	960	35,790
Fanning mills, peaviners and corn husking machines, and parts.....	"	768	498,415	1,553	829,326
Harvesters in combination with threshing machine separators, and complete parts	"	9,002	16,971,278	8,080	24,810,142
Threshing machine separators.....	"	467	538,091	635	648,495
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts	—	—	1,166,763	—	1,128,828
Equipment for generating electric power for farm purposes only, viz.: engine, gas tank, generator, storage battery and switchboard, and complete parts	—	—	390,632	—	304,636
Fodder, feed or ensilage cutters, and parts	No.	1,252	557,530	729	426,606
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; 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	—	—	274,241	—	342,348
Grain crushers and grain or hay grinders, and parts	No.	3,212	497,167	4,399	796,148
Hay presses and parts	"	2,083	2,534,535	3,052	4,579,812
Manure spreaders and parts	"	3,590	750,505	3,511	1,008,103
Post hole diggers and parts.....	"	4,222	73,411	4,360	71,597
Spades and shovels, of iron or steel, n.o.p.	Doz.	3,694	42,992	7,607	63,600
Spraying and dusting machines and parts, including hand sprayers and parts	—	—	1,702,197	—	1,618,772
Stumping machines and complete parts	No.	—	12	—	204
Traction ditching machines (not being plows), and parts	"	64	452,300	25	325,983
Traction engines, internal combustion (for farm and other purposes)	"	59,081	84,020,926	58,139	89,397,506
Traction engines, internal combustion, parts of; traction attachments and parts (for farm and other purposes)	—	—	24,298,937	—	36,155,182
Windmills and complete parts, not including shafting	—	—	60,752	—	30,005
Pruninghooks and shears, and animal dehorning instruments	—	—	92,259	—	104,258
Agricultural implements and parts, other.....	—	—	2,614,084	—	5,477,764
Total imports	—	—	161,642,021	—	195,081,777

TABLE 21. Exports of Agricultural Implements, 1950 and 1951

Item	Unit of measure	1950		1951	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators and parts	—	—	173,843	—	243,874
Milking machines and parts	—	—	1,123,217	—	1,457,228
Harvesters and binders	No.	4,983	2,448,338	4,621	2,303,983
Hay rakes	"	7,542	1,388,045	7,433	1,483,431
Mowing machines and reapers	"	8,717	1,435,758	9,444	1,577,311
Reaper-threshers	"	10,956	32,250,032	13,450	44,392,708
Cultivators	"	10,049	1,648,575	15,570	2,467,171
Drills and sowers	"	33,325	11,618,096	35,408	13,135,749
Harrows, disc, and parts	—	—	1,712,070	—	1,716,142
Harrows and parts, n.o.p.	—	—	226,828	—	251,430
Plows, disc, and parts	—	—	7,702,419	—	7,975,797
Plows and parts, n.o.p.	—	—	5,571,140	—	5,235,154
Planters	No.	1,876	131,200	2,709	289,378
Threshing machine separators and parts	—	—	565,014	—	560,576
Garden and farm tools	—	—	107,091	—	138,478
Spades and shovels, and parts	Doz.	9,950	118,766	5,387	88,815
Garden tractors	No.	83	12,294	76	10,601
Farm tractors	"	8,249	9,286,721	7,398	9,554,210
Attachments for agricultural implements	—	—	1,318,415	—	1,993,068
Farm implements and machines, n.o.p.	—	—	2,013,351	—	2,900,779
Parts of farm implements and machines, n.o.p.	—	—	6,960,167	—	8,662,278
Total exports	—	—	87,811,385	—	106,438,161

TABLE 22. Employees and their earnings in the Agricultural Implements Industry, by Provinces, 1950 and 1951

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1950								
Quebec	37	9	230	—	276	151,251	391,511	542,762
Ontario	2,146	658	12,018	139	14,961	8,645,862	31,984,522	40,630,384
Manitoba	66	23	417	6	512	281,584	759,957	1,041,541
Saskatchewan	15	7	100	1	123	63,339	205,152	268,491
Alberta	72	10	209	3	294	225,450	472,860	698,310
Other provinces	17	2	38	—	57	45,594	57,604	103,198
Canada	2,353	709	13,012	149	16,223	9,413,080	33,871,606	43,284,686
1951								
Quebec	41	10	234	—	285	178,438	430,798	609,236
Ontario	2,280	659	12,926	157	16,022	9,869,329	39,367,134	49,236,463
Manitoba	71	27	387	5	490	345,998	922,580	1,268,578
Saskatchewan	19	7	100	—	126	69,064	209,696	278,760
Alberta	136	10	225	9	380	230,140	502,997	733,137
Other provinces	12	3	35	—	50	34,363	56,893	91,256
Canada	2,559	716	13,907	171	17,353	10,727,332	41,490,098	52,217,430

List of Firms in the Agricultural Implements Industry, 1951

Name of Firm	Address
Prince Edward Island:	
Hall Mfg. & Cold Storage Co. Ltd., The	Water St., Summerside
Quebec:	
Banville & Fils Enrg	St-Octave de Mëtis
Desjardins Limitée	St-Andrê de Kamouraska
Dion Frères Inc.	Ste. Thérèse de Blainville
La Compagnie Jutras Limitée	Victoriaville
Laperle, Louis, Enrg.	St-Ours
Machineries Pont Rouge Ltd.....	Pont Rouge
Ontario:	
Buehler Metal Products Ltd.	Hespeler
Cockshutt Farm Equipment Limited	66 Mohawk St., Brantford
Deere, John, Plow Co., Limited	Port Colborne Highway, Welland
DeLaval Company Limited	113 Park St. S., Peterborough
Delhi Foundry & Machine Shop	191 King St., Delhi
Elora Industries Limited	Mill St., Elora
Ebersol Farm Equipment Co.	Milverton
Ernst Bros. Company Limited	Durham St., Mount Forest
Falcon Equipment Co. Limited	33 Leyton St., Toronto
Farm Equipment & Sprayer Sales & Service	7 Queen St., Beamsville
Ferguson Thresher Co.....	Maxville
Frost & Wood Company Limited	Smiths Falls
Garden Power Tools Limited	R.R. No. 2, West Hill
Garden Tractor Sales Company	1160 Albert Road, Windsor
Gray-Snyder Ltd.	Hillsburg
Heavy Duty Products	Preston
Herrgott Thresher Co. Limited	Main St., St. Clements
International Harvester Company of Canada, Limited	Sherman Ave. N., Hamilton
Lewis, Clarence W., & Son, Limited	8 Patton St., Grimsby
Lobsinger Bros.	Mildmay
Massey-Harris Co., Ltd.	915 King St. W., Toronto
Massey-Harris Co., Ltd.	Woodstock
Massey-Harris Co., Ltd.	Market St. and Canal Road, Brantford
McKee Bros. Ltd.....	25 Hampton St., Elmira
Otaco Limited	West St., Orillia
Otto's R. Steel Products	Tavistock
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
Universal Tractors, Ltd.	2373 King St., Hamilton
Waterloo Manufacturing Co. Ltd., The	67 King St. S., Waterloo
White, Geo., & Sons Co., Ltd.	Cabell Ave., London

List of Firms in the Agricultural Implements Industry, 1951 - Concluded

Name of Firm	Address
Manitoba:	
Bobrowski Mfg. Co. Ltd.	Charles St., Morris
Canadian Co-operative Implements Ltd.	601 Bowman Ave., Winnipeg
Cancade Brothers Ltd.	12th & Richmond Ave., Brandon
Chemical Machines Ltd.	630 Loretta Ave., Winnipeg
Derby Specialty Manufacturing Co.	414 Osborne St., Winnipeg
Ferguson, Wm. M.	414 Pacific Ave., Brandon
Forever Industries Limited	115 Robinson St., Winnipeg
Hart-Emerson Company Limited, The	1425 Whyte Ave., Winnipeg
Inland Steel & Forgings Limited	675 Washington Ave., Winnipeg
Kilbery Industries Ltd.	Ellice & College Aves., Winnipeg
Machine Industries Ltd.	Berry St. & Ellice Ave., Winnipeg
Malmgren Implement Mfg. Co. (Man.) Ltd.	753 Marion St., St. Boniface
Markwill Industries Ltd.	777 Erin St., Winnipeg
Standard Gas Engine Works	Morden
Thompson, Dave, Equipment and Supply Ltd.	450 Provencher Ave., St. Boniface
Western Tools & Industries Limited	144 Messenger St., St. Boniface
Saskatchewan:	
Anderson Construction Co.	Southey
Brandt Electric Ltd.	1856 Broad St., Regina
Harvey Machine Products	121 Ave. C South, Saskatoon
Leach, J. R., & Son	154 Eighth St. E., Prince Albert
McIntyre's	219 Cheadle St. W., Swift Current
Morris Rod Weeder & Equipment Co.	62 Argyle St., Yorkton
Sakundiak Farm Equipment	528 Broad St., Regina
Shaunavon Industries	Shaunavon
Tractor Boneyard	Albert St. & 2nd Ave., Regina
Alberta:	
Alberta Foundry & Machine Co. Ltd.	Smelter Ave., Medicine Hat
Ferguson Co., E. C.	9545-111th 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
Machinery Designers of Canada, Ltd.	701-13th St. East, Calgary
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:	
Mid West Equipment Ltd.	207 West 2nd Ave., Vancouver
Okanagan Turbo Sprayers Ltd.	255 Ellis St., Penticton
Rain Bird Sprinkler Mfg. Co. Canada, Ltd.	54 E. Cordova St., Vancouver

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