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THE AGRICULTURAL IMPLEMENTS  
INDUSTRY  
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THE AGRICULTURAL IMPLEMENTS INDUSTRY  
1949

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## NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- 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

The present report belongs in Group XII. 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
- B The Agricultural Implements Industry
- C The Boilers and Plate Work Industry
- D The Bridge Building and Structural Steel Industry
- E The Hardware, Tools and Cutlery Industry
- F The Heating and Cooking Apparatus Industry
- G The Machinery Industry
- H The Machine Shops Industry
- I The Iron Castings Industry
- J The Primary Iron and Steel Industry
- K The Sheet Metal Products Industry
- L The Wire and Wire Goods Industry
- M The Miscellaneous Iron and Steel Products Industry

# THE AGRICULTURAL IMPLEMENTS INDUSTRY

## 1949

Production by establishments in the agricultural implements industry was 20.4 per cent higher in value in 1949 than in 1948, and 98 per cent higher than in 1947. Actual values (at factory prices) for these years were as follows: \$176,970,283 in 1949, \$146,956,254 in 1948, and \$89,423,469 in 1947. The output of farm equipment, in this industry amounted to \$164,794,099 in 1949, \$132,496,881 in 1948 and \$79,966,899 in 1947; 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 \$4,823,000 in 1949, \$6,582,000 in 1948 and \$3,963,000 in 1947.

Seventy-nine factories were included in the agricultural implements industry in 1949, there being 39 works in Ontario, 15 in Manitoba, 10 in Alberta, 6 in Quebec, 6 in Saskatchewan, 2 in British Columbia and 1 in Prince Edward Island. The works in Ontario accounted for 96 per cent of the total output.

The industry employed an average of 17,074 workers during the year, the 3,214 salaried employees being paid \$9,481,186 and the 13,860 wage-earners \$34,738,403. The total of \$44,219,589 for salaries and wages was 2.3 per cent less than the amount distributed to the 18,747 employees in 1948.

TABLE 1. Principal Statistics of the Agricultural Implements Industry, 1945-1949

Year	Number of plants	Average 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
1945 .....	41	13,554	\$ 24,409,526	\$ 1,078,734	\$ 26,414,939	\$ 57,621,390
1946 .....	51	13,866	25,475,108	1,162,059	32,852,259	63,238,542
1947 .....	61	16,013	31,244,006	1,461,921	49,799,417	89,423,469
1948 .....	69	18,747 <sup>1</sup>	45,270,673	1,997,248	81,590,570	146,956,254
1949 .....	79	17,074	44,219,589	2,092,645	95,685,026	176,970,283
Percent change 1949 from 1948	—	- 8.9	- 2.3	+4.8	+17.3	+20.4

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.

1. Revised.

TABLE 2. Principal Statistics, by Provinces, 1948 and 1949

Province	Number of plants	Average 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
1948			\$	\$	\$	\$
Quebec .....	6	366	592,278	33,559	596,101	1,658,966
Ontario .....	38	17,734 <sup>1</sup>	43,417,577	1,892,194	78,743,899	140,871,697
Manitoba .....	11	397	789,656	47,129	1,470,917	2,629,742
Alberta .....	7	171	341,575	17,732	359,364	1,077,949
Prince Edward Island.....	1	49	67,894	5,964	126,305	241,089
Saskatchewan.....	3					
British Columbia.....	3					
Canada .....	69	18,747 <sup>1</sup>	45,270,673	1,997,248	81,590,570	146,956,254
1949						
Quebec .....	6	287	525,622	26,604	706,071	1,891,531
Ontario .....	39	15,890	41,987,161	1,971,391	92,247,074	169,450,644
Manitoba .....	15	500	963,966	56,199	1,950,488	3,531,595
Alberta .....	10	206	439,497	20,341	428,813	1,383,370
Prince Edward Island.....	1	191	303,343	18,110	352,580	913,143
Saskatchewan.....	6					
British Columbia.....	2					
Canada .....	79	17,074	44,219,589	2,092,645	95,685,026	176,970,283

1. Revised.



TABLE 3. Products of the Agricultural Implements Industry, 1948 and 1949

Product	1948		1949	
	Number	Selling value at works \$	Number	Selling value at works \$
<b>Planting, Seeding and Fertilizing Machinery :</b>				
Corn planters — Horse and tractor drawn.....	8,207	601,175	2,770	416,833
Transplanters .....	500	74,128	1,350	218,399
Grain and fertilizer drills (combination).....	18,579	3,943,680	29,229	8,995,896
Grain drills — plain and press .....	7,939	2,795,642	8,301	2,845,541
Seed boxes for harrow plows, one way discs and tiller combines	11,338	955,116	13,594	1,166,286
Fertilizer and lime sowers, horse or tractor drawn .....	1,027	113,140	232	19,506
Manure spreaders.....	8,734	1,588,901	12,827	1,925,012
Manure loaders.....	135	25,206	250	61,420
All other planting, seeding and fertilizing machines.....	—	84,664	—	13,021
<b>Plows :</b>				
Walking plows :				
1 furrow.....	25,236	480,250	2,534	59,573
2 furrow.....	1,300	127,859	—	—
Riding gang plows — 2 furrow.....	—	—	—	—
Mouldboard plows :				
Tractor drawn .....	37,032	5,171,847	30,773	5,929,381
Tractor mounted.....	471	7,838	11,450	310,811
Disc plows :				
Horse drawn .....	—	—	—	—
Tractor drawn .....	4,279	1,310,055	3,408	1,411,044
Harrow plows, one-way discs, tiller combines.....	33,259	10,371,290	39,868	13,051,057
All other plows .....	—	40,009	—	24,034
<b>Tilling, Cultivating, Weeding Machines :</b>				
Harrowes :				
Drag (sections) .....	51,356	365,825	81,610	927,469
Spring tooth (sections).....	17,252	597,282	11,872	397,935
Disc — Horse or tractor drawn :				
Under 12'.....	10,342	714,139	7,675	527,086
12' or over .....	2,808	427,197	4,096	784,944
Tandem tractor disc .....	11,067	1,541,656	15,462	2,773,535
Land rollers .....	—	—	10	500
Soil packers .....	3,285	192,117	4,481	204,967
Scufflers and horse hoes .....	33,084	498,624	10,132	178,773
Corn cultivators :				
Horse and tractor drawn .....	1,351	91,095	210	83,500
Tractor mounted.....	1,000	125,750	—	—
Field cultivators :				
Horse and tractor drawn .....	16,368	2,489,554	17,548	3,004,392
Tractor mounted.....	—	—	5,537	516,775
Rod weeders .....	2,653	317,183	3,524	411,097
Blade weeders .....	518	252,312	1,024	456,181
Other tilling, cultivating and weeding machines.....	—	758,429	—	282,162
<b>Haying Machinery :</b>				
Mowers :				
Horse drawn .....	13,846	1,955,302	12,640	1,752,831
Tractor drawn or mounted.....	7,582	879,998	15,547	2,127,182
Hay loaders.....	7,401	1,089,616	6,502	1,005,490
Dump rakes .....	8,759	526,984	11,156	724,538
Side rakes and tedders.....	5,545	774,411	9,293	1,583,753
All other haying machinery .....	—	49,885	—	98,028

TABLE 3. Products of the Agricultural Implements Industry, 1948 and 1949 - Concluded

Product	1948		1949	
	Number	Selling value at works \$	Number	Selling value at works \$
<b>Harvesting Machinery :</b>				
Combine reaper-threshers and stationary threshers.....	18,962	39,446,262	23,644	53,107,001
Swathers or windrowers.....	9,572	3,818,253	12,319	5,273,227
Pick-up attachments for combines.....	9,880	1,038,415	11,174	1,210,222
Grain binders:				
Ground drive.....	13,092	4,125,757	7,973	3,062,606
Power take-off drive.....	4,933	2,234,197	4,642	2,060,406
Corn binders:				
Ground drive.....	803	192,217	603	145,795
Power take-off drive.....	2,668	965,434	1,162	424,710
Potato diggers - Horse or tractor drawn.....	156	23,277	449	92,605
All other harvesting machines (including headers, push harvesters, barge elevators, etc.).....	-	138,402	-	53,880
<b>Machines For Preparing Crops For Market or Use:</b>				
Stationary threshers.....	See item under "Harvesting Machinery"			
Ensilage cutters.....	204	101,192	435	218,908
Corn shellers - Hand.....	3,068	106,835	1	19
Grain grinders.....	6,767	313,306	5,511	299,194
Rollers or crushers.....	596	39,453	77	18,960
Pulpers.....	66	2,046	59	1,714
Fanning mills or grain cleaners.....	3,303	283,561	3,635	364,269
Hammermills.....	2,455	452,603	1,302	163,198
Feed mixers.....	558	34,423	146	25,575
Grain loaders and elevators.....	1,342	144,485	3,280	456,657
All other machines for preparing crops for market or use.....	-	122,825	-	127,175
<b>Tractors and Engines:</b>				
Garden tractors (including motor tillers).....	1,416	338,345	1,616	403,445
<b>Spraying and Dusting Equipment:</b>				
All types (including attachments).....	-	601,514	-	551,886
<b>Farm Wagons, Trucks and Sleighs:</b>				
Wagon boxes.....	659	42,190	926	77,397
Wagon gears (standard).....	61	4,758	-	-
Farm trucks (low wheel - steel or wood).....	800	73,600	-	-
Rubber tired gears or trailers.....	10,495	1,717,623	10,281	1,539,442
Sleighs.....	3,421	246,591	1,978	175,506
All other farm wagons, sleighs and trucks.....	-	15,000	-	82,148
<b>Domestic Water Systems and Pumps:</b>				
Domestic water pressure systems and power pumps.....	-	264,394	-	292,146
All other systems and pumps.....	-	-	-	-
<b>Dairy Machinery and Equipment:</b>				
Cream separators:				
300 pounds and under.....	3,728	147,473	}	2,771,558
Over 300 pounds.....	7,738	706,504		
All other dairy machinery and equipment (including milking machines, motors, pumps, attachments).....	-	2,347,706	-	-
Miscellaneous farm implements and machinery.....	-	22,257,748	-	20,779,209
Parts and accessories for farm implements and machinery.....	-	8,812,333	-	16,726,289
<b>Total Farm Machinery and Parts.....</b>	-	<b>132,496,881</b>	-	<b>164,794,099</b>
Amount received for custom work and repairs.....	-	8,543,993	-	5,680,315
All other products.....	-	5,915,380	-	6,495,869
<b>Total All Products.....</b>	-	<b>146,956,254</b>	-	<b>176,970,283</b>

TABLE 4. Materials Used in the Agricultural Implements Industry, 1948 and 1949

Material	Unit of measure	1948		1949	
		Quantity	Total cost at works	Quantity	Total cost at works
			\$		\$
<b>Iron:</b>					
Pig iron, all grades .....	ton	27,975	1,138,906	29,004	1,377,719
Iron castings of all kinds purchased .....	ton	62,875	11,544,689	68,096	12,764,546
<b>Steel, hot or cold rolled (except special alloy steel):</b>					
Steel castings.....	ton	1,459	294,349	1,179	239,184
Bars .....	ton	105,944	9,291,564	113,051	10,541,157
Forgings.....	ton	—	213,191	—	209,758
Plates.....	ton	13,267	1,139,775	15,199	1,522,973
Shafting.....	ton	10,625	1,158,584	11,472	1,515,082
Sheets, plain .....	ton	21,360	2,124,989	29,312	3,193,104
Sheets, galvanized.....	ton	8,509	947,678	9,067	1,203,525
Tin plate.....	base box	540	11,833	900	18,605
Strip .....	ton	3,062	303,927	3,382	357,939
Stampings .....	ton	—	255,218	—	102,525
Structural shapes (angles, channels, etc.).....	ton	8,039	744,530	9,304	849,018
Wire.....	ton	564	63,372	738	107,645
Scrap iron and steel of all kinds .....	ton	10,819	474,485	16,267	693,972
Pipe, tubing and fittings of iron and steel.....	ton	—	842,003	—	1,437,613
Other iron and steel (except finished parts).....	—	—	455,587	—	1,607,592
<b>Alloy steel:</b>					
Carbon and alloy tool steels, including high-speed .....	—	—	151,360	—	146,231
Stainless steels.....	—	—	119,491	—	179,182
Other alloy steels.....	—	—	28,568	—	55,917
Ferro-alloys .....	—	—	50,756	—	71,882
<b>Non-ferrous metals (all forms, including scrap):</b>					
Aluminum.....	pound	100,431	35,092	122,487	34,320
Brass and bronze.....	pound	661,779	204,075	558,365	157,450
Copper.....	pound	107,181	33,546	78,256	19,875
Lead.....	pound	26,140	4,557	47,592	8,416
Nickel.....	pound	12,900	5,282	22,012	9,477
Tin.....	pound	8,813	8,396	7,895	7,500
Zinc .....	pound	33,988	8,078	167,364	25,095
Babbitt metals and solder.....	pound	97,879	32,691	60,815	29,629
Other metals .....	—	—	26,325	—	540
<b>Other materials and supplies:</b>					
Parts for machines or vehicles.....	—	—	29,197,186	—	32,602,353
Bolts, nuts, rivets and screws.....	—	—	1,786,002	—	1,883,941
Electrical goods, including motors.....	—	—	579,884	—	401,199
Paints, oils and varnishes.....	—	—	1,229,427	—	1,336,156
Wheels.....	No.	—	1,100,301	—	1,819,568
Cotton, duck and other textiles.....	—	—	771,447	—	784,816
Foundry coke (used in cupola, not for heat or power) .....	ton	9,338	189,892	8,940	205,798
Moulding sands.....	ton	3,443	23,350	7,523	87,462
Core sands.....	ton	8,843	76,682	4,473	21,323
Silica sand.....	ton	931	6,681	1,065	7,583
Other foundry sands .....	ton	—	18,987	—	1,338
Starch.....	pound	880	86	2,095	204
Plumbago and graphite.....	pound	16,985	1,430	10,890	951
Other foundry facings .....	—	—	7,475	—	14,385
Patterns and models.....	—	—	227,944	—	227,111
Lumber.....	M ft.b.m.	32,264	3,484,927	30,219	3,147,495
Firebrick .....	No.	363,737	48,583	425,504	57,544
Fireclay .....	ton	554	7,063	2,789	30,394
Cupola blocks.....	No.	15,184	4,292	14,751	4,045
Core oil.....	imp. gal.	25,751	35,996	32,114	36,896
Core compounds .....	—	—	21,025	—	17,367
Acetylene .....	cu. ft.	841,450	26,863	1,048,900	27,622
Oxygen.....	cu. ft.	1,513,300	19,984	1,917,751	31,437
Shipping containers.....	—	—	244,168	—	373,844
All other materials and supplies .....	—	—	10,767,998	—	14,076,723
<b>Total .....</b>	<b>—</b>	<b>—</b>	<b>81,590,570</b>	<b>—</b>	<b>95,685,024</b>



TABLE 5. Production of Plows<sup>1</sup>, 1940-1949 (Including some plows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	81,811	2,737,440	1945.....	56,262	2,891,507
1941.....	67,497	2,970,621	1946.....	74,696	4,852,399
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

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

TABLE 6. Production of Mowers, 1940-1949

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	8,687	644,714	1945.....	20,511	2,029,967
1941.....	11,218	907,600	1946.....	21,957	2,643,489
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

TABLE 7. Production of Harrows, 1940-1949 (Including some harrows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	38,603	904,499	1945.....	48,565	886,995
1941.....	36,889	840,987	1946.....	82,836	2,163,496
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

TABLE 8. Production of Grain Binders, 1940-1949

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	13,297	2,546,507	1945.....	17,195	4,583,285
1941.....	8,893	1,939,587	1946.....	19,062	5,699,080
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

## IRON AND STEEL PRODUCTS

TABLE 9. Production of Threshers and Reaper-Threshers, 1940-1949 (Including some threshers made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	3,079	2,668,224	1945.....	6,471	9,213,421
1941.....	3,653	3,531,861	1946.....	9,335	12,864,868
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

TABLE 10. Production of Seed Drills, 1940-1949

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	7,536	957,443	1945.....	8,585	1,542,085
1941.....	7,944	1,399,776	1946.....	8,617	1,823,179
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

TABLE 11. Production of Cream Separators, 1940-1949 (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
		\$		\$		\$
1940.....					5,946	332,679
1941.....					19,876	986,268
1942.....					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

TABLE 12. Production of One-way Discs, Harrow-plows and Tiller Combines, 1940-1949

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	4,770	934,238	1945.....	6,199	1,153,433
1941.....	6,236	1,334,047	1946.....	10,499	2,345,797
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	13,051,087

TABLE 13. Production of Cultivators, 1940-1949 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	10, 165	590, 776	1945.....	14, 041	867, 014
1941.....	7, 731	511, 603	1946.....	19, 023	1, 320, 287
1942.....	8, 469	478, 549	1947.....	29, 495	2, 932, 015
1943.....	6, 031	275, 634	1948.....	26, 174	3, 404, 697 <sup>1</sup>
1944.....	7, 237	554, 691	1949.....	27, 118	3, 758, 130

1. Revised.

TABLE 14. Production of Weeders and Corn Planters, 1940-1949

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1940.....	1, 567	89, 422	2, 844	85, 939
1941.....	1, 825	98, 759	1, 750	57, 569
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 <sup>1</sup>	8, 207	601, 175
1949.....	4, 548	867, 278	2, 770	416, 833

1. Revised.

TABLE 15. Production of Hay Loaders and Hay Rakes, 1940-1949

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1940.....	1, 290	105, 618	5, 502	196, 413
1941.....	1, 812	151, 488	5, 987	245, 349
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



## IRON AND STEEL PRODUCTS

TABLE 16. Production of Manure Spreaders, 1940-1949 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1940.....	3,941	452,043	1945.....	6,946	912,158
1941.....	4,019	467,048	1946.....	5,562	694,905
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

TABLE 17. Production, Imports and Exports of Agricultural Implements and Parts, 1940-1949

Year	Production	Imports	Exports
	\$	\$	\$
1940.....	18,285,000	30,673,000	9,609,000
1941.....	22,411,000	30,972,000	11,873,000
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

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, 1945-1949

Province	1945	1946	1947	1948	1949 <sup>1</sup>
	\$	\$	\$	\$	\$
Maritimes <sup>1</sup> .....	2,614,295	3,768,645	4,286,830	5,461,031	5,399,111
Quebec.....	6,127,410	8,867,989	11,361,856	14,906,555	16,657,442
Ontario.....	14,893,109	20,268,580	28,036,903	38,453,369	47,775,991
Manitoba.....	8,101,194	9,987,683	15,583,121	23,369,284	37,474,620
Saskatchewan.....	18,055,056	20,308,054	33,382,699	46,505,877	59,629,464
Alberta.....	12,832,109	15,698,660	25,953,168	36,748,138	44,459,129
British Columbia.....	1,670,043	2,798,574	3,790,165	5,221,816	5,693,928
Canada.....	64,293,216	81,698,125	122,394,742	170,666,070	217,969,685

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.

1. Includes Newfoundland.



TABLE 19. Number of Specified Machines on Farms 1941 (According to last Decennial Census)

Province	Auto-mobiles	Motor trucks	Tractors		Combines	Threshing machines	Electric motors	Gasoline engines
			Under 15 h.p.	15 h.p. and over				
	No.	No.	No.	No.	No.	No.	No.	No.
Prince Edward Island.....	3,575	489	426	149	4	3,014	399	4,128
Nova Scotia.....	9,453	2,694	968	419	3	800	1,262	3,023
New Brunswick.....	8,672	1,869	778	360	53	2,773	1,026	4,327
Quebec.....	27,003	6,676	3,814	2,157	52	32,237	8,541	39,107
Ontario.....	127,856	17,416	21,982	13,030	789	8,961	40,120	32,586
Manitoba.....	27,056	7,585	7,211	14,738	1,716	10,077	1,463	15,774
Saskatchewan.....	57,058	21,422	13,548	40,466	11,227	21,503	1,984	33,570
Alberta.....	43,716	14,496	6,754	29,346	5,163	12,709	2,410	30,461
British Columbia.....	9,753	4,829	1,596	1,101	60	700	2,242	3,850
Yukon.....	2	2	1	—	—	—	—	3
Canada.....	314,144	77,478	57,078	101,766	19,067	92,774	59,447	166,829

TABLE 20. Imports of Agricultural Implements and Machinery, 1948 and 1949

Item	Unit of measure	1948		1949	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators.....	No.	12,760	722,632	13,229	832,522
Cream separator parts.....	—	—	417,156	—	289,414
Milk clarifiers and complete parts.....	—	—	37,851	—	53,188
Milking machines, and attachments therefor, centrifugal machines for testing, butter fat, milk or cream, and complete parts of articles specified in this item.....	—	—	1,474,102	—	1,236,896
Pasteurizers for dairying purposes, and complete parts.....	No.	139	298,938	130	246,487
Dairy machinery, viz.: power churns, power milk coolers, power fillers and cappers, power ice-cream mixers, power butter printers, 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.....	—	—	1,654,685	—	1,618,739
Forks, pronged.....	Doz.	2,210	30,271	3,502	56,574
Harvesters, self-binding or not, and binding attachments and parts.....	No.	3,479	2,438,932	4,479	3,066,521
Hay loaders and parts.....	No.	1,545	338,408	1,679	359,378
Hay tedders and parts.....	No.	4	1,808	86	25,166
Mowing machines and parts.....	No.	11,442	1,963,040	10,194	2,361,088
Potato diggers and planters, and parts.....	No.	3,117	723,428	1,773	491,925
Rakes, horse or power, and parts.....	No.	2,880	601,420	4,332	1,015,984
Rakes, n.o.p. ....	Doz.	12,522	54,940	13,942	60,431
Reapers and parts.....	No.	—	—	—	—
Scythes.....	Doz.	5,011	74,577	4,937	71,876
Sickles or reaping hooks.....	Doz.	1,344	6,463	1,328	7,014

TABLE 20. Imports of Agricultural Implements and Machinery, 1948 and 1949 - Concluded

Item	Unit of measure	1948		1949	
		Quantity	Value	Quantity	Value
			\$		\$
Cultivators, horse hoes, scufflers, weeders, and parts.....	—	—	3,325,551	—	3,547,767
Drills, seed, garden seeders, and parts.....	—	—	2,155,224	—	1,645,856
Harrows, disc, and parts.....	—	—	2,292,368	—	2,480,286
Harrows and parts, n.o.p. ....	—	—	520,419	—	791,477
Hoes.....	Doz.	1,713	14,628	2,147	15,479
Ploughs, disc, and parts.....	—	—	2,055,474	—	3,206,087
Ploughs and parts, n.o.p. ....	—	—	3,647,335	—	6,122,878
Rollers, farm field, lawn or garden, and soil packers, and parts.....	No.	90	2,107	252	8,455
Fanning mills, peaviners and corn husking machines, and parts.....	No.	1,322	703,603	1,193	489,083
Harvesters in combination with threshing machine separators, and complete parts.....	No.	5,872	14,674,210	7,377	16,749,248
Threshing machine separators.....	No.	554	578,944	551	632,103
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts.....	—	—	776,353	—	745,216
Equipment for generating electric power for farm purposes only, viz.: engine, gas tank, generator, storage battery and switchboard, and complete parts.....	—	—	648,934	—	639,230
Fodder, feed or ensilage cutters and parts.....	No.	1,032	406,569	2,209	704,184
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.....	—	—	357,622	—	284,815
Grain crushers and grain or hay grinders and parts....	No.	3,940	623,165	3,656	556,775
Hay presses and parts.....	No.	1,797	1,971,447	2,476	2,589,852
Manure spreaders and parts.....	No.	3,286	757,870	3,650	997,990
Post hole diggers and parts.....	No.	5,083	36,561	6,436	86,930
Spades and shovels, of iron or steel, n.o.p. ....	Doz.	3,212	39,294	2,877	36,390
Spraying and dusting machines and parts, including hand sprayers and parts.....	—	—	2,700,016	—	2,268,962
Stumping machines and complete parts.....	No.	2	344	2	1,043
Traction ditching machines (not being ploughs), and parts.....	No.	34	327,119	32	374,295
Traction engines, internal combustion (for farm and other purposes).....	No.	55,330	59,526,671	70,337	91,707,547
Traction engines, internal combustion, parts of; traction attachments and parts (for farm and other purposes).....	—	—	29,141,350	—	26,797,266
Windmills and complete parts, not including shafting.....	—	—	121,346	—	88,630
Pruning hooks and shears and animal dehorning instruments.....	—	—	123,644	—	95,095
Agricultural implements and parts.....	—	—	1,626,555	—	1,754,220
<b>Total imports.....</b>	—	—	<b>139,983,374</b>	—	<b>177,210,372</b>

TABLE 21. Exports of Agricultural Implements and Machinery, 1948 and 1949

Item	Unit of measure	1948		1949	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators and parts.....	—	—	233, 736	—	113, 603
Milking machines and parts.....	—	—	729, 336	—	1, 258, 222
Harvesters and binders.....	No.	16, 721	6, 494, 687	10, 298	4, 706, 610
Hay rakes.....	No.	5, 363	559, 344	7, 307	1, 193, 856
Mowing machines and reapers.....	No.	11, 446	1, 600, 541	10, 491	1, 598, 615
Reaper-threshers.....	No.	11, 981	28, 067, 302	12, 653	33, 104, 140
Cultivators.....	No.	18, 214	1, 545, 643	13, 721	2, 089, 454
Drills and sowers.....	No.	17, 589	3, 998, 173	28, 490	8, 953, 632
Harrows, disc, and parts.....	—	—	1, 287, 939	—	1, 655, 902
Harrows and parts, n.o.p. ....	—	—	138, 343	—	165, 991
Ploughs, disc, and parts.....	—	—	7, 606, 141	—	8, 312, 479
Ploughs and parts, n.o.p. ....	—	—	5, 456, 950	—	5, 276, 808
Planters.....	No.	7, 174	536, 334	4, 176	416, 881
Threshing machine separators and parts.....	—	—	1, 413, 420	—	813, 807
Garden and farm tools.....	—	—	166, 289	—	106, 717
Spades and shovels and parts.....	Doz.	10, 256	126, 979	4, 624	63, 240
Garden tractors.....	No.	Not classified		155	27, 388
Farm tractors.....	No.	separately		8, 095	8, 372, 956
Attachments for agricultural implements.....	—	—	1, 110, 036	—	1, 466, 796
Farm implements and machines, n.o.p. ....	—	—	4, 509, 175	—	3, 444, 182
Parts of farm implements and machines, n.o.p. ....	—	—	8, 179, 703	—	9, 385, 997
<b>Total Exports.....</b>	—	—	<b>73, 760, 071</b>	—	<b>92, 527, 276</b>

TABLE 22. Employees and their Earnings in the Agricultural Implements Industry, by Provinces, 1948 and 1949

Province	Average number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
<b>1948</b>								
Quebec.....	40	11	315	—	366	111, 101	481, 177	592, 278
Ontario <sup>1</sup> .....	2, 232	831	14, 467	204	17, 734	8, 525, 825	34, 891, 752	43, 417, 577
Manitoba.....	42	23	329	3	397	166, 025	623, 631	789, 656
Alberta.....	32	2	137	—	171	93, 287	248, 288	341, 575
Other provinces.....	18	6	54	1	79	42, 008	87, 579	129, 587
<b>Canada<sup>1</sup>.....</b>	<b>2, 364</b>	<b>873</b>	<b>15, 302</b>	<b>208</b>	<b>18, 747</b>	<b>8, 938, 246</b>	<b>36, 332, 427</b>	<b>45, 270, 673</b>
<b>1949</b>								
Quebec.....	33	9	245	—	287	104, 561	421, 061	525, 622
Ontario.....	2, 252	714	12, 766	158	15, 890	8, 904, 604	33, 082, 557	41, 987, 161
Manitoba.....	66	25	406	3	500	262, 277	701, 689	963, 966
Alberta.....	42	5	157	2	206	118, 205	321, 292	439, 497
Other provinces.....	59	9	122	1	191	91, 539	211, 804	303, 343
<b>Canada.....</b>	<b>2, 452</b>	<b>762</b>	<b>13, 696</b>	<b>164</b>	<b>17, 074</b>	<b>9, 481, 186</b>	<b>34, 738, 403</b>	<b>44, 219, 589</b>

1. Data for Ontario have been revised and Canada totals adjusted accordingly.



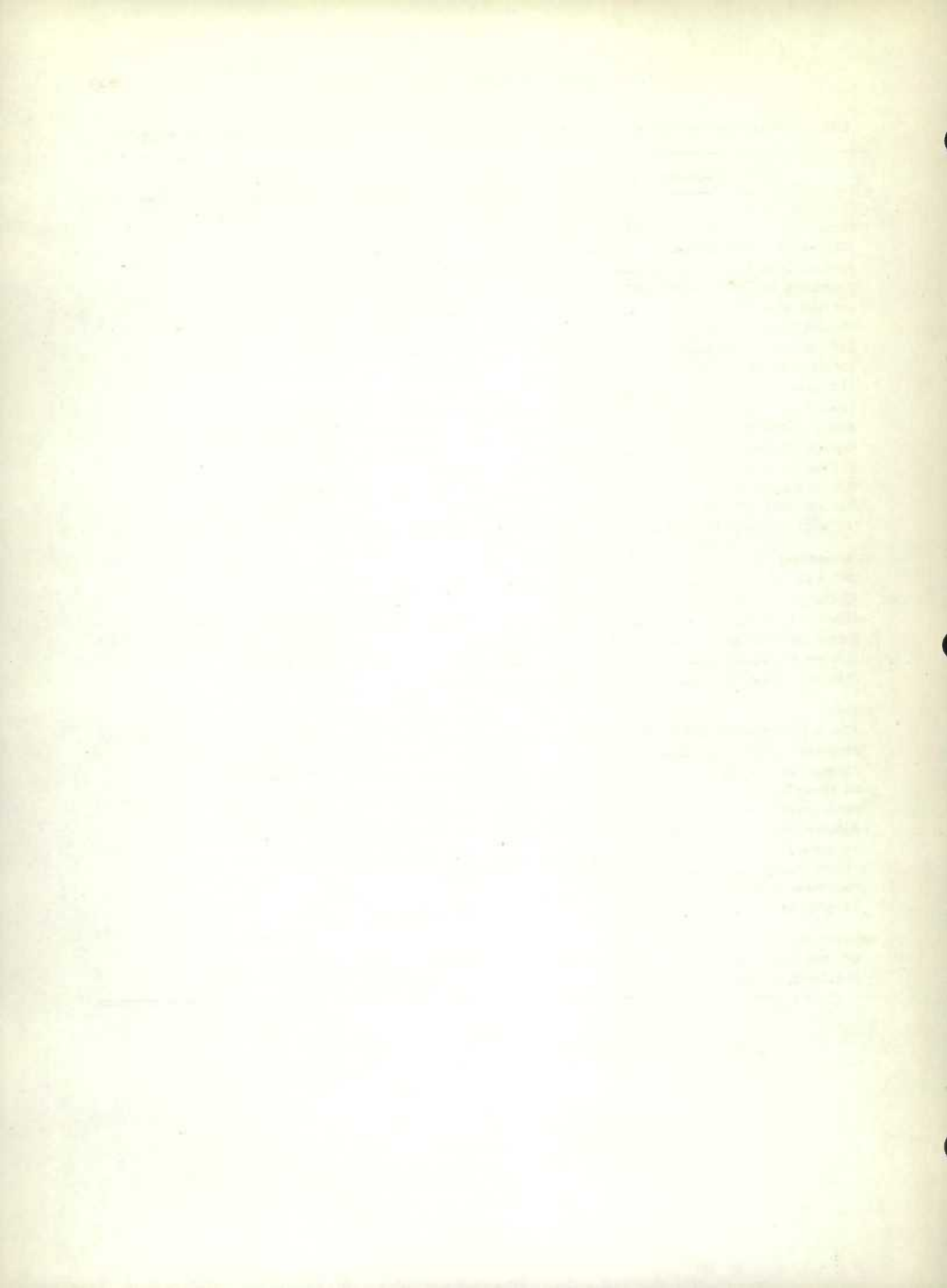
## List of Firms in the Agricultural Implements and Machinery Industry, 1949

Name of Firm	Address
<b>Prince Edward Island:</b>	
Hall Mfg. & Cold Storage Co. Ltd., The.....	Water St., Summerside
<b>Quebec:</b>	
Banville & Fils Enrg. ....	St. Octave de Métis
Desjardins Limitée .....	St. André de Kamouraska
Dion Frères Inc. ....	St. Thérèse
La Compagnie Jutras Limitée .....	Victoriaville
Laperle, Louis, Enrg. ....	St. Ours
Machineries Pont Rouge Ltd .....	Pont Rouge
<b>Ontario:</b>	
Bettger Industries.....	649 Ontario St., Stratford
Buehler Metal Products Ltd .....	Hespeler
Canadian Potato Machinery Co. Ltd.....	Jarvis St., Galt
Cockshutt Plow Company Ltd.....	66 Mohawk St., Brantford
Decre, John, Plow Co. Limited.....	Port Colborne Highway, Welland
DeLaval Company Limited.....	113 Park St., Peterborough
Delhi Foundry & Machine Shop .....	191 King St., Delhi
Ebersol Farm Equipment Co. ....	Milverton
Ernst Bros. Company Limited.....	Durham St., Mount Forest
Falcon Equipment Co. Limited .....	33 Leyton St., Toronto
Fell, Chas. Esq., .....	Schomberg
Ferguson Thresher Co. ....	Maxville
Fleury-Bissel Limited .....	Mill St., Elora
Frost & Wood Company Limited.....	Smiths Falls
Garden Power Tools Limited.....	R. R. No. 2, West Hill
Garden Tractor Sales Company .....	1160 Albert Road, Windsor
Goodison Industries Limited .....	Clifford St., Sarnia
Gray-Snyder Ltd. ....	Hillsburg
Heavy Duty Products.....	Preston
Herrgott Thresher Co. ....	Main St., St. Clemens
International Harvester Company of Canada Limited.....	Sherman Ave., N., Hamilton
Lewis, Clarence W., Esq. ....	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
Merrickville Plow Co. ....	Merrickville
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
Spraymotor Ltd. ....	1099-1105 York St., London
Tac-lite Limited.....	43 Victoria Ave., Galt
Universal Tractors, Ltd .....	Bartonville, Ontario
Waterloo Manufacturing Co. Ltd., The .....	67 King St. S., Waterloo
Watterworth, Charles, W.....	2 Queen St., Beamsville
White, Geo., & Sons Co. Ltd .....	Cabell Ave., London
Wilmac Engineering Ltd. ....	Malden Road, Sandwich East



## List of Firms in the Agricultural Implements and Machinery Industry, 1949 - Concluded

Name of Firm	Address
<b>Manitoba:</b>	
All States Harvester Limited.....	198 Osborne St. N., Winnipeg
Astbury, Chas. B. ....	Tupper St. N., Portage la Prairie
Canadian Co-operative Implements Ltd.....	601 Bowman Ave., Winnipeg
Cascade 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
Hart-Emerson Company Limited, The .....	1425 Whyte Ave., Winnipeg
Inland Steel & Forgings Limited .....	675 Washington Ave., Winnipeg
Machine Industries Ltd .....	Berry & Ellice Aves., Winnipeg
Malmgren Implement Mfg. Co. ....	753 Marion St., St. Boniface
Midland Motors .....	Haskett
Midway Mfg. Co. Ltd .....	875 Tache Ave., St. Boniface
Standard Gas Engine Works.....	Morden
Universal Tractor Hitch .....	Pilot Mound
<b>Saskatchewan:</b>	
Brandt Electric Ltd.....	1856 Broad St., Regina
Kjellander, E. A. & Son.....	1323 Lorne St., Regina
Leach, J. R. & Son.....	154 Eighth St. E., Prince Albert
Marvey Machine Products .....	121 Ave. C., South, Saskatoon
McIntyre's .....	219 Cheadle St. W., Swift Current
Shaunaron Industries .....	Shaunaron
<b>Alberta:</b>	
Alberta Foundry & Machine Co. Ltd.....	Smelter Ave., Medicine Hat
Ferguson Co., E. C. ....	9545-111th Ave., Edmonton
Kirchner Machine Co. ....	2005 2nd Ave. South, Lethbridge
Machinery Designers of Canada Ltd.....	701-13th St. East, Calgary
Noble Cultivators .....	Nobleford
Robinson Machine & Supply Co. Ltd .....	50th Avenue and 1st St. S. W., Calgary
Samson Rotary Rod Weeder, Ltd. ....	1019-10th Ave. W., Calgary
Victory Manufacturing Co. ....	Barons
Waterloo Industries Ltd. ....	7819-104th St., Edmonton
Woodward Manufacturing Co. ....	1045-8th St. East, Calgary
<b>British Columbia:</b>	
Mid West Equipment Ltd.....	205 West 2nd Ave., Vancouver
P. B. O. Milk Cooler Co. ....	136 E. Cordova St., Vancouver





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