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THE AGRICULTURAL IMPLEMENTS  
INDUSTRY, 1950

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PUBLICATION



THE AGRICULTURAL IMPLEMENTS  
INDUSTRY, 1950

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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, 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, 35¢.
- 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, 1950

Production by establishments in the agricultural implements industry was 15.5 per cent lower in value in 1950 than in 1949, but 1.7 per cent higher than in 1948. Actual values (at factory prices) for these years were as follows: \$149,500,240 in 1950, \$176,970,283 in 1949, and \$146,956,254 in 1948. The output of farm equipment, in this industry amounted to \$137,971,548 in 1950, \$164,794,099 in 1949, and \$132,496,881 in 1948; 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 \$3,702,000 in 1950, \$4,823,000 in 1949 and \$6,582,000 in 1948.

Eighty-six factories were included in the agricultural implements industry in 1950, there being 37 works in Ontario, 16 in Manitoba, 14 in Alberta, 3 in Saskatchewan, 6 in Quebec, 4 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 16,223 workers during the year, the 3,062 salaried employees being paid \$9,413,080 and the 13,161 wage-earners \$33,871,606. The total of \$43,284,686 for salaries and wages was 2.3 per cent less than the amount distributed to the 17,074 employees in 1949.

**TABLE 1. Principal Statistics of the Agricultural Implements Industry, 1946-1950**

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 value of production
			\$	\$	\$	\$	\$
1946.....	51	13,866	25,475,108	1,162,059	32,852,259	63,238,542	29,224,224
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
Percent change 1950 from 1949 .....	—	-5.0	-2.3	-3.4	-17.3	-15.5	-13.7

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, 1949 and 1950**

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
			\$	\$	\$	\$
<b>1949</b>						
Quebec .....	6	287	525,622	26,604	706,071	1,691,531
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					
<b>Canada .....</b>	<b>79</b>	<b>17,074</b>	<b>44,219,589</b>	<b>2,092,645</b>	<b>95,685,026</b>	<b>176,970,283</b>
<b>1950</b>						
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
Alberta .....	14	294	698,310	35,011	777,430	1,874,093
Saskatchewan .....	8	123	268,491	14,745	354,805	843,370
Prince Edward Island .....	1	57	103,198	4,528	137,463	481,244
British Columbia .....	4					
<b>Canada .....</b>	<b>86</b>	<b>16,223</b>	<b>43,284,686</b>	<b>2,020,481</b>	<b>79,123,750</b>	<b>149,500,240</b>

TABLE 3. Products of the Agricultural Implements Industry, 1949 and 1950

Product	1949		1950	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
<b>Planting, seeding and fertilizing machinery:</b>				
Corn planters — horse and tractor drawn .....	2, 770	416, 833	151	27, 865
Transplanters .....	1, 350	218, 399	100	17, 237
Grain and fertilizer drills (combination) .....	29, 229	3, 995, 896	34, 090	10, 561, 667
Grain drills — plain and press .....	8, 301	2, 845, 541	11, 704	4, 247, 621
Seed boxes for harrow-plows, one-way discs and tiller-combines.....	13, 594	1, 166, 286	9, 709	1, 213, 119
Fertilizer and lime sowers, horse or tractor drawn .....	232	19, 506	504	88, 200
Manure spreaders .....	12, 827	1, 925, 012	6, 751	1, 430, 595
Manure loaders .....	250	61, 420	109	29, 450
All other planting, seeding and fertilizing machines .....	—	13, 021	—	311, 419
<b>Plows:</b>				
Walking plows:				
1 furrow .....	2, 534	59, 573	1, 158	18, 734
2 furrow .....	—	—	—	—
Riding gang plows — 2 furrow .....	—	—	—	—
Mouldboard plows:				
Tractor drawn .....	30, 773	5, 929, 381	30, 251	5, 465, 517
Tractor mounted .....	11, 450	310, 811	4, 652	467, 927
Disc plows:				
Horse drawn .....	—	—	600	101, 918
Tractor drawn .....	3, 408	1, 411, 044	4, 546	1, 786, 046
Harrow plows, one-way discs, tiller combines .....	39, 868	13, 051, 057	29, 498	10, 083, 519
All other plows .....	—	24, 034	68	65, 032
<b>Tilling, cultivating, weeding machines:</b>				
Harrowes:				
Drag (sections) .....	81, 610	927, 469	69, 542	722, 033
Spring tooth (sections) .....	11, 872	397, 935	4, 796	284, 643
Disc — horse or tractor drawn:				
Under 12'.....	7, 675	527, 086	5, 304	270, 860
12' or over.....	4, 096	784, 944	5, 740	2, 069, 893
Tandem tractor disc .....	15, 462	2, 773, 535	11, 193	1, 925, 516
Land rollers .....	10	500	125	32, 265
Soil packers .....	4, 481	204, 967	6, 725	234, 001
Scufflers and horse hoes .....	10, 132	178, 773	6, 441	99, 902
Corn cultivators:				
Horse and tractor drawn .....	210	83, 500	—	—
Tractor mounted .....	—	—	—	—
Field cultivators:				
Horse and tractor drawn .....	17, 548	3, 004, 392	26, 927	4, 993, 363
Tractor mounted .....	5, 537	516, 775	473	100, 734
Rod weeders .....	3, 524	411, 097	1, 735	232, 102
Blade weeders .....	1, 024	456, 181	422	187, 765
Other tilling, cultivating and weeding machines .....	—	282, 162	—	172, 304
<b>Haying machinery:</b>				
Mowers:				
Horse drawn .....	12, 640	1, 752, 831	5, 049	626, 997
Tractor drawn or mounted .....	15, 547	2, 127, 182	11, 609	2, 081, 982
Hay loaders .....	6, 502	1, 005, 490	6, 674	1, 079, 047
Dump rakes .....	11, 156	724, 538	5, 120	316, 503
Side rakes and tedders .....	9, 293	1, 583, 753	10, 815	1, 984, 251
All other haying machinery .....	—	98, 028	—	113, 591



TABLE 3. Products of the Agricultural Implements Industry, 1949 and 1950 - Concluded

Product	1949		1950	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
<b>Harvesting machinery:</b>				
Combine reaper-threshers and stationary threshers .....	23,644	53,107,001	18,686	41,055,563
Swathers or windrowers .....	12,319	5,273,227	9,079	3,955,376
Pick-up attachments for combines.....	11,174	1,210,222	6,251	630,322
Grain binders:				
Ground drive.....	7,973	3,062,606	3,801	1,260,246
Power take-off drive.....	4,642	2,060,406	2,346	1,046,477
Corn binders:				
Ground drive.....	603	145,795	—	—
Power take-off drive .....	1,162	424,710	807	317,736
Potato diggers — horse or tractor drawn.....	449	92,605	100	23,244
All other harvesting machines (including headers, push harvesters, barge elevators, etc.) .....	—	53,880	—	143,609
<b>Machines for preparing crops for market or use:</b>				
Stationary threshers .....	See item under "Harvesting Machinery"			
Ensilage cutters .....	435	218,908	—	143,050
Corn shellers — hand .....	1	19	1,100	30,855
Grain grinders .....	5,511	299,194	2,613	151,880
Rollers or crushers .....	77	18,960	33	2,200
Pulpers .....	59	1,714	60	1,684
Fanning mills or grain cleaners .....	3,635	364,269	2,096	242,954
Hammermills.....	1,302	163,198	—	37,699
Feed mixers.....	146	25,575	106	22,966
Grain loaders and elevators.....	3,280	456,657	5,110	818,113
All other machines for preparing crops for market or use....	—	127,175	—	102,770
<b>Tractors and engines:</b>				
Garden tractors (including motor tillers).....	1,616	403,445	1,093	251,991
<b>Spraying and dusting equipment:</b>				
All types (including attachments).....	—	551,886	—	1,269,844
<b>Farm wagons, trucks and sleighs:</b>				
Wagon boxes.....	926	77,397	1,014	68,780
Wagon gears (standard).....	—	—	1,143	162,301
Farm trucks (low wheel — steel or wood) .....	—	—	—	—
Rubber tired gears or trailers .....	10,281	1,539,442	7,055	985,777
Sleighs .....	1,978	175,506	1,211	116,338
All other farm wagons, sleighs and trucks .....	—	82,148	—	76,358
<b>Domestic water systems and pumps:</b>				
Domestic water pressure systems and power pumps.....	—	292,146	1,300	107,250
All other systems and pumps.....	—	—	—	5,723
<b>Dairy machinery and equipment:</b>				
Cream separators:				
300 pounds and under .....				
Over 300 pounds .....				
All other dairy machinery and equipment (including milking machines, motors, pumps, attachments) .....		2,771,558	—	2,580,177
<b>Miscellaneous farm implements and machinery.....</b>	—	20,779,209	—	14,437,884
<b>Parts and accessories for farm implements and machinery.....</b>	—	16,726,289	—	14,478,763
<b>Total farm machinery and parts .....</b>	—	<b>164,794,099</b>	—	<b>137,971,548</b>
Amount received for custom work and repairs.....	—	5,680,315	—	5,418,662
All other products.....	—	6,495,869	—	6,110,030
<b>Total all products .....</b>	—	<b>176,970,283</b>	—	<b>149,500,240</b>

TABLE 4. Materials Used in the Agricultural Implements Industry, 1949 and 1950

Material	Unit of measure	1949		1950	
		Quantity	Total cost at works	Quantity	Total cost at works
			\$		\$
Iron:					
Pig iron, all grades.....	ton	29,004	1,377,719	26,699	1,239,263
Iron castings of all kinds, purchased .....	ton	68,096	12,764,546	50,669	10,115,340
Steel, hot or cold rolled (except special alloy steel):					
Steel castings .....	ton	1,179	239,184	678	274,329
Bars.....	ton	113,051	10,541,157	105,434	10,087,291
Forgings .....	ton	—	209,758	—	201,678
Plates .....	ton	15,199	1,522,973	4,791	527,297
Shafting.....	ton	11,472	1,515,082	7,694	1,302,195
Sheets, plain .....	ton	29,312	3,193,104	21,442	2,492,422
Sheets, galvanized .....	ton	9,067	1,203,525	7,670	1,076,468
Tin plate.....	base box	900	18,605	903	22,417
Strip.....	ton	3,382	357,939	3,390	378,085
Stampings.....	ton	—	102,525	—	158,554
Structural shapes (angles, channels, etc.) .....	ton	9,304	849,018	6,559	682,393
Wire.....	ton	738	107,645	740	110,804
Scrap iron and steel of all kinds.....	ton	16,267	693,972	19,234	750,743
Pipe, tubing and fittings of iron and steel .....	ton	—	1,437,613	—	1,403,553
Other iron and steel (except finished parts).....	—	—	1,607,592	—	1,624,542
Alloy steel:					
Carbon and alloy tool steels, including high-speed .....	—	—	146,231	—	135,782
Stainless steels.....	—	—	179,182	—	164,379
Other alloy steels .....	—	—	55,917	—	32,988
Ferro-alloys.....	—	—	71,882	—	75,600
Non-ferrous metals (all forms, including scrap):					
Aluminum .....	pound	122,487	34,320	194,367	67,077
Brass and bronze.....	pound	558,365	157,450	426,821	137,527
Copper.....	pound	78,256	19,875	54,931	16,728
Lead .....	pound	47,592	8,416	35,025	5,966
Nickel.....	pound	22,012	9,477	32,643	18,879
Tin.....	pound	7,895	7,500	4,278	4,537
Zinc.....	pound	167,364	25,095	55,012	10,957
Babbitt metals and solder .....	pound	60,815	29,629	96,237	35,840
Other metals.....	—	—	540	—	23,495
Other materials and supplies:					
Parts for machines or vehicles .....	—	—	32,602,353	—	22,216,912
Bolts, nuts, rivets and screws .....	—	—	1,833,941	—	1,675,052
Electrical goods, including motors.....	—	—	401,199	—	1,108,112
Paints, oils and varnishes.....	—	—	1,336,156	—	1,324,376
Wheels.....	No.	—	1,819,568	—	1,637,441
Cotton, duck and other textiles.....	—	—	78,816	—	532,228
Foundry coke (used in cupola, not for heat or power) .....	ton	8,940	205,798	9,578	252,191
Moulding sands .....	ton	7,523	87,462	8,585	65,162
Core sands .....	ton	4,473	21,323	5,384	24,329
Silica sand .....	ton	1,065	7,583	818	6,671
Other foundry sands .....	ton	—	1,338	—	1,718
Plumbago and graphite.....	pound	10,890	951	9,505	865
Other foundry facings .....	—	—	14,385	—	4,161
Patterns and models .....	—	—	227,111	—	205,375
Lumber .....	M ft. b.m.	30,219	3,147,495	24,600	2,342,959
Firebrick.....	No.	425,504	57,544	601,410	82,363
Fireclay .....	ton	2,789	30,394	1,001	8,053
Cupola blocks .....	No.	14,751	4,045	16,232	4,856
Core oil.....	Imp. gal.	32,114	36,896	24,247	16,855
Core compounds.....	—	—	17,367	—	13,570
Acetylene .....	cu. ft.	1,048,900	27,622	1,345,047	42,370
Oxygen .....	cu. ft.	1,917,751	31,437	2,266,002	42,505
Shipping containers.....	—	—	170,452	—	100,222
All other materials and supplies.....	—	—	14,280,319	—	14,238,275
<b>Total .....</b>	<b>—</b>	<b>—</b>	<b>95,685,026</b>	<b>—</b>	<b>79,123,750</b>



TABLE 5. Production of Plows<sup>1</sup>, 1941 - 1950 (Including some plows made in other industries)

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

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

TABLE 6. Production of Mowers, 1941 - 1950

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

TABLE 7. Production of Harrows, 1941 - 1950 (Including some harrows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1941.....	36,389	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
1945.....	48,565	886,995	1950.....	97,047	5,290,631

TABLE 8. Production of Grain Binders, 1941 - 1950

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

## IRON AND STEEL PRODUCTS

**TABLE 9. Production of Threshers and Reaper-Threshers, 1941-1950**  
(Including some threshers made in other industries)

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

**TABLE 10. Production of Seed Drills, 1941-1950**

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1945.....	8,585	1,542,085	1950.....	11,704	4,247,621

**TABLE 11. Production of Cream Separators, 1941-1950 (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
		\$		\$		\$
1941.....		(Not available separately for these years)			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
1950.....	336	7,884	3,331	403,943	3,667	411,827

**TABLE 12. Production of One-way Discs, Harrow-Plows and Tiller-Combines, 1941-1950**

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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	13,051,057
1945.....	6,199	1,153,433	1950.....	29,498	10,083,519

TABLE 13. Production of Cultivators, 1941-1950 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1944.....	7,237	554,691	1949.....	27,118	3,758,130
1945.....	14,041	867,014	1950.....	27,999	5,115,228

TABLE 14. Production of Weeders and Corn Planters, 1941-1950

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1941.....	1,325	98,759	1,750	57,569
1942.....	1,400	68,709	1,991	36,724
1943.....	450	23,013	1,589	71,389
1944.....	1,041	49,563	1,871	147,973
1945.....	1,538	185,697	2,956	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	27,365

TABLE 15. Production of Hay Loaders and Hay Rakes, 1941-1950

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
1941.....	1,812	151,488	5,927	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	1,315,375
1949.....	6,502	1,005,490	20,474	2,309,973
1950.....	6,674	1,079,047	15,943	2,303,096

TABLE 16. Production of Manure Spreaders, 1941-1950 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1945.....	6,946	912,153	1950.....	7,000	1,493,878

TABLE 17. Production, Imports and Exports of Agricultural Implements and Parts, 1941-1950

Year	Production	Imports	Exports
	\$	\$	\$
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
1950.....	141,674,000	161,642,000	87,811,000

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, 1946-1950

Province	1946	1947	1948	1949	1950
	\$	\$	\$	\$	\$
Maritimes <sup>1</sup> .....	3,768,645	4,236,830	5,461,031	5,399,111	5,946,209
Quebec.....	8,867,989	11,361,856	14,906,555	16,657,442	19,137,999
Ontario.....	20,263,590	23,036,903	33,453,369	47,775,991	51,922,436
Manitoba.....	9,937,683	15,533,121	23,369,284	37,474,620	29,308,664
Saskatchewan.....	20,308,054	33,332,699	46,505,877	59,629,464	62,629,271
Alberta.....	15,698,660	25,953,168	36,748,138	44,459,129	45,117,409
British Columbia.....	2,798,574	3,790,165	5,221,816	5,693,928	4,125,132
<b>Canada</b> .....	<b>81,698,185</b>	<b>122,394,742</b>	<b>170,666,070</b>	<b>217,089,685</b>	<b>218,187,120</b>

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. Included Newfoundland since 1949.



TABLE 19. Number of Specified Machines on Farms 1941<sup>1</sup> (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
<b>Canada .....</b>	<b>314,144</b>	<b>77,478</b>	<b>57,078</b>	<b>101,766</b>	<b>19,067</b>	<b>92,774</b>	<b>59,447</b>	<b>166,829</b>

1. Data from 1951 Census not yet available.

TABLE 20. Imports of Agricultural Implements and Machinery, 1949 and 1950

Item	Unit of measure	1949		1950	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators .....	No.	13,229	832,522	6,343	431,707
Cream separator parts .....	—	—	289,414	—	310,781
Milk clarifiers and complete parts .....	—	—	53,183	—	20,896
Milking machines, and attachments therefor, centrifugal machines for testing butter fat, milk or cream, and complete parts of articles specified in this item .....	—	—	1,236,896	—	1,241,193
Pasteurizers for dairying purposes, and complete parts .....	No.	130	246,487	—	218,398
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 .....	—	—	1,618,739	—	1,061,487
Forks, pronged .....	Doz.	3,502	56,574	1,345	20,767
Harvesters, self-binding or not, and binding attachments and parts .....	No.	4,479	3,066,521	5,739	3,536,761
Hay loaders and parts .....	No.	1,679	359,378	740	298,397
Hay tedders and parts .....	No.	96	25,166	—	3,387
Mowing machines and parts .....	No.	10,194	2,361,088	4,558	1,103,678
Potato diggers and planters, and parts .....	No.	1,773	491,925	1,373	414,959
Rakes, horse or power, and parts .....	No.	4,332	1,015,994	3,185	814,412
Rakes, n.o.p. .....	Doz.	13,942	60,431	10,321	46,062
Reapers and parts .....	No.	—	—	—	—
Scythes .....	Doz.	4,937	71,876	1,541	21,824
Sickles or reaping hooks .....	Doz.	1,328	7,014	821	4,349



TABLE 20. Imports of Agricultural Implements and Machinery, 1949 and 1950 - Concluded

Item	Unit of measure	1949		1950	
		Quantity	Value	Quantity	Value
			\$		\$
Cultivators, horse hoes, scufflers, weeders, and parts .....	—	—	3,547,767	—	2,811,585
Drills, seed, garden seeders, and parts .....	—	—	1,645,856	—	1,841,724
Harrows, disc, and parts .....	—	—	2,480,286	—	1,602,589
Harrows and parts, n.o.p. ....	—	—	791,477	—	708,393
Hoes .....	Doz.	2,147	15,479	1,334	12,861
Ploughs, disc, and parts .....	—	—	3,206,087	—	2,682,176
Ploughs and parts, n.o.p. ....	—	—	6,122,878	—	4,860,841
Rollers, farm field, lawn or garden, and soil packers, and parts .....	No.	252	8,455	675	35,767
Fanning mills, peaviners and corn husking machines, and parts .....	No.	1,193	489,083	768	498,415
Harvesters in combination with threshing machine separators, and complete parts .....	No.	7,377	16,749,248	9,002	16,971,278
Threshing machine separators .....	No.	551	632,103	467	538,091
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts .....	—	—	745,216	—	1,166,763
Equipment for generating electric power for farm purposes only, viz.: engine, gas tank, generator, storage battery and switchboard, and complete parts .....	—	—	639,230	—	390,632
Fodder, feed or ensilage cutters and parts .....	No.	2,209	704,184	1,252	557,520
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 .....	—	—	284,815	—	274,241
Grain crushers and grain or hay grinders and parts .....	No.	3,656	556,775	3,212	497,167
Hay presses and parts .....	No.	2,476	2,589,852	2,083	2,534,535
Manure spreaders and parts .....	No.	3,650	997,990	3,590	750,505
Post hole diggers and parts .....	No.	6,436	86,930	4,222	73,411
Spades and shovels, of iron or steel, n.o.p. ....	Doz.	2,877	36,390	3,694	42,992
Spraying and dusting machines and parts, including hand sprayers and parts .....	—	—	2,268,962	—	1,702,197
Stumping machines and complete parts .....	No.	2	1,043	—	12
Traction ditching machines (not being ploughs), and parts .....	No.	32	374,295	64	452,300
Traction engines, internal combustion (for farm and other purposes) .....	No.	70,337	91,707,547	59,081	84,020,926
Traction engines, internal combustion, parts of; traction attachments and parts (for farm and other purposes) .....	—	—	26,797,266	—	24,298,937
Windmills and complete parts, not including shafting .....	—	—	88,630	—	60,752
Pruninghooks and shears and animal dehorning instruments .....	—	—	95,095	—	92,259
Agricultural implements and parts, other .....	—	—	1,754,220	—	2,614,084
<b>Total imports</b> .....	—	—	<b>177,210,372</b>	—	<b>161,642,021</b>

TABLE 21. Exports of Agricultural Implements and Machinery, 1949 and 1950

Item	Unit of measure	1949		1950	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators and parts .....	—	—	113,603	—	173,848
Milking machines and parts .....	—	—	1,258,222	—	1,123,217
Harvesters and binders .....	No.	10,298	4,706,610	4,983	2,448,338
Hay rakes .....	No.	7,307	1,193,856	7,542	1,388,045
Mowing machines and reapers .....	No.	10,491	1,598,615	8,717	1,435,758
Reaper-threshers .....	No.	12,653	33,104,140	10,956	32,250,032
Cultivators .....	No.	13,721	2,089,454	10,049	1,648,575
Drills and sowers .....	No.	28,490	8,953,632	33,325	11,618,096
Harrows, disc, and parts .....	—	—	1,655,902	—	1,712,070
Harrows and parts, n.o.p. ....	—	—	165,991	—	226,828
Ploughs, disc, and parts .....	—	—	8,312,479	—	7,702,419
Ploughs and parts, n.o.p. ....	—	—	5,276,808	—	5,571,140
Planters .....	No.	4,176	416,881	1,876	131,200
Threshing machine separators and parts .....	—	—	813,807	—	565,014
Garden and farm tools .....	—	—	106,717	—	107,091
Spades and shovels and parts .....	Doz.	4,624	63,240	9,950	118,766
Garden tractors .....	—	155	27,388	83	12,294
Farm tractors .....	No.	8,095	8,372,956	8,249	9,286,721
Attachments for agricultural implements .....	—	—	1,466,796	—	1,318,415
Farm implements and machines, n.o.p. ....	—	—	3,444,182	—	2,013,351
Parts of farm implements and machines, n.o.p. ....	—	—	9,385,997	—	6,960,167
<b>Total exports</b> .....	—	—	<b>92,527,276</b>	—	<b>87,811,385</b>

TABLE 22. Employees and their Earnings in the Agricultural Implements Industry, by Provinces, 1949 and 1950

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
<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>
<b>1950</b>								
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
<b>Canada</b> .....	<b>2,353</b>	<b>709</b>	<b>13,012</b>	<b>149</b>	<b>16,223</b>	<b>9,413,080</b>	<b>33,871,606</b>	<b>43,284,686</b>

## List of Firms in the Agricultural Implements and Machinery Industry, 1950

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. ....	Ste. 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
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
Ebersol Farm Equipment Co. ....	Milverton
Ernst Bros. Company Limited.....	Durham St., Mount Forest
Falcon Equipment Co. Limited .....	33 Leyton St., Toronto
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., Samia
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., & 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 .....	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
Spramotor 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
Waterworth, Charles W., .....	2 Queen St., Beamsville
White, Geo., & Sons Co. Ltd. ....	Cabell Ave., London

## List of Firms in the Agricultural Implements and Machinery Industry, 1950 - concluded

Name of Firm	Address
<b>Manitoba:</b>	
Astbury, Chas. B. ....	Tupper St. N., Portage la Prairie
Canadian Co-operative Implements Ltd. ....	601 Bowman Ave., East Kildonan
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
Kilbery Industries Ltd. ....	Ellice & College Aves., Winnipeg
Machine Industries Ltd. ....	Berry St. & Ellice Ave., Winnipeg
Malmgren Implement Mfg. Co. ....	753 Marion St., St. Boniface
Markvill Industries Ltd. ....	777 Erin St., Winnipeg
Midway Equipment Ltd. ....	483 Brock St., Winnipeg
Standard Gas Engine Works ....	Morden
Thompson, Dave, Equipment and Supply Ltd. ....	450 Provencher Ave., St. Boniface
Universal Tractor Hitch ....	Pilot Mound
<b>Saskatchewan:</b>	
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
Marvey Machine Products ....	121 Ave. C., South, Saskatoon
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
<b>Alberta:</b>	
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 ....	Nobleford
Nordheimer Manufacturing Co. Ltd. ....	13150-97th St., Edmonton
Perfection Machine Works Ltd. ....	5th Ave. & 3rd St. E., Calgary
Victory Equipment Ltd. ....	321-13th St. N., Lethbridge
Waterloo Industries Ltd. ....	7819-104th St., Edmonton
Woodward Manufacturing Co. ....	104-3rd Ave W., Calgary
<b>British Columbia:</b>	
Mid West Equipment Ltd. ....	207 West 2nd Ave., Vancouver
New World Farm Implements Mfg. Co. ....	Langley Prairie
Okanagan Turbo Sprayers Ltd. ....	255 Ellis St., Penticton
P.B.O. Milk Cooler Co. ....	136 E. Cordova St., Vancouver









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