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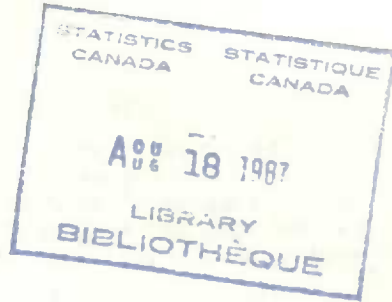
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CANADA



THE AGRICULTURAL IMPLEMENTS INDUSTRY

1953



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I—General Review of the Manufacturing Industries, \$1.50
- II—The Manufacturing Industries of Canada, (7 sections, as follows):
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—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

1953

Factory shipments reported by establishments in the Agricultural Implements Industry were valued at \$171,269,525 in 1953, a decline of 16.8 per cent from the \$205,775,487 reported in the previous year. The output of farm equipment in this industry amounted to \$156,287,039 in 1953, \$188,183,920 in 1952 and \$158,779,197 in 1951; 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 \$3,564,000 in 1953, \$6,504,000 in 1952 and \$3,570,000 in 1951.

Eighty factories were included in the Agricultural Implements Industry in 1953, there being 32 works in Ontario, 18 in Manitoba, 9 in Saskatchewan, 9 in Alberta, 6 in Quebec, 5 in British Columbia and 1 in Prince Edward Island. The works in Ontario accounted for 92 per cent of the total output.

The industry employed a total of 14,161 workers during the year, the 3,172 salaried employees being paid \$12,857,891 and the 10,989 wage-earners, \$37,444,116. The total of \$50,302,007 for salaries and wages was 19.4 per cent less than the amount distributed to the 18,046 employees in 1952.

TABLE 1. Principal Statistics of the Agricultural Implements Industry, 1949-1953

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
			\$	\$	\$	\$
1949	79	17,074	44,219,589	2,092,645	95,685,026	176,970,283
1950	86	16,223	43,284,686	2,020,481	79,123,750	149,500,240
1951	81	17,236	52,217,430	1,984,214	96,469,032	171,172,496
1952	85	18,046	62,423,716	2,169,762	109,827,515	205,775,487 ¹
1953	80	14,161	50,302,007	1,824,514	90,344,539	171,269,525 ¹
Per cent change, 1953 from 1952..	-	-21.5	-19.4	-15.9	-17.7	-16.8

1. Factory shipments for these years. Inventory value of finished products at plant at end of 1952 amounted to \$11,392,000 and at end of 1953 to \$7,799,000.

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, 1952 and 1953

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Value of factory shipments
			\$	\$	\$	\$
1952						
Quebec	6	266	625,043	30,393	1,049,618	2,285,935
Ontario	35	16,743	58,886,476	1,988,939	104,106,235	192,790,073
Manitoba	18	544	1,505,741	65,203	3,059,989	6,304,201
Saskatchewan	10	147	418,837	20,469	514,090	1,393,982
Alberta	12	320	929,400	60,768	991,463	2,733,862
Prince Edward Island.....	1	26	58,219	3,990	106,120	267,434
British Columbia.....	3					
Canada	85	18,046	62,423,716	2,169,762	109,827,515	205,775,487
1953						
Quebec	6	240	640,750	23,357	879,178	1,702,838
Ontario	32	12,778	46,504,598	1,629,246	84,329,988	156,805,494
Manitoba	18	604	1,665,552	87,780	3,591,045	8,639,114
Saskatchewan	9	136	387,670	18,386	359,029	974,985
Alberta	9	336	956,051	57,770	958,343	2,660,287
Prince Edward Island.....	1	67	147,386	7,975	226,956	486,807
British Columbia.....	5					
Canada	80	14,161	50,302,007	1,824,514	90,344,539	171,269,525

TABLE 3. Products of the Agricultural Implements Industry, 1952 and 1953

Product	1952		1953	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Planting, seeding and fertilizing machinery:				
Corn planters — horse and tractor drawn	2, 238	184, 310	1, 850	132, 172
Transplanters	225	31, 640	92	16, 517
Grain and fertilizer drills (combination)	31, 123	10, 955, 271	18, 748	7, 516, 361
Grain drills — plain and press	10, 629	4, 671, 475	7, 669	3, 164, 105
Seed boxes for harrow-plows, one-way discs and tiller-combines	11, 614	1, 702, 020	11, 137	1, 670, 338
Fertilizer and lime sowers, horse or tractor drawn	664	126, 620	470	61, 317
Manure spreaders	7, 125	2, 162, 491	10, 801	3, 584, 170
Manure loaders	173	41, 016	199	37, 270
All other planting, seeding and fertilizing machines	—	518, 652	—	216, 335
Plows:				
Walking plows:				
1-furrow	975	24, 922	1, 506	29, 806
2-furrow	—	—	—	—
Riding gang plows — 2-furrow	788	31, 663	—	—
Mouldboard plows:				
Tractor-drawn	23, 680	6, 286, 940	10, 201	2, 443, 596
Tractor-mounted	7, 360	673, 380	5, 697	439, 158
Disc plows:				
Horse-drawn	—	—	—	—
Tractor-drawn	5, 833	2, 141, 368	2, 199	1, 123, 515
Harrow-plows, one-way discs, tiller-combines	21, 034	9, 958, 121	17, 073	7, 914, 542
All other plows	1, 053	116, 971	1, 717	357, 106
Tilling, cultivating and weeding machines:				
Harrow:				
Drag (sections)	45, 361	430, 145	49, 706	504, 427
Spring-tooth (sections)	6, 712	445, 133	9, 777	424, 540
Disc — horse or tractor drawn:				
Under 12'	17, 267	1, 185, 726	17, 292	987, 641
12' or over	5, 355	2, 918, 139	9, 820	3, 769, 539
Tandem tractor disc	10, 800	1, 997, 694	2, 121	375, 153
Land rollers	—	—	—	—
Soil packers	5, 606	302, 327	7, 185	376, 709
Scufflers and horse hoes	1, 312	30, 189	726	18, 478
Corn cultivators:				
Horse and tractor drawn	100	25, 000	30	2, 368
Tractor-mounted	88	24, 292	2, 920	962, 475
Field cultivators:				
Horse and tractor drawn	22, 050	4, 397, 314	8, 842	2, 087, 813
Tractor-mounted	2, 595	533, 300	210	49, 616
Rod weeders	1, 512	187, 651	1, 719	250, 430
Blade weeders	593	249, 204	487	224, 011
Other tilling, cultivating and weeding machines	—	916, 127	—	882, 971
Haying machinery:				
Mowers:				
Horse-drawn	1, 341	192, 241	1, 254	178, 422
Tractor-drawn or mounted	20, 705	3, 820, 186	12, 676	2, 538, 756
Hay loaders	6, 010	1, 172, 792	4, 755	954, 059
Dump rakes	6, 725	508, 429	3, 117	260, 229
Side rakes and tedders	11, 994	2, 694, 376	8, 421	2, 020, 205
All other haying machinery (including hay balers, hay carriers, etc.)	—	3, 239, 328	—	4, 780, 766

TABLE 3. Products of the Agricultural Implements Industry, 1952 and 1953 -- Concluded

Product	1952		1953	
	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$
Harvesting machinery:				
*Combine reaper-threshers and stationary threshers	24,418	69,350,074	21,776	61,648,115
Swathers and windrows	12,685	6,506,738	11,671	6,675,766
Pick-up attachments for combines	7,980	1,568,696	10,809	1,943,464
Grain binders:				
Ground-drive	3,391	1,449,457	1,467	675,203
Power take-off drive	2,007	897,731	296	125,713
Corn binders:				
Ground-drive	—	—	—	—
Power take-off drive	158	70,124	91	39,194
Potato diggers—horse or tractor drawn	20	3,759	26	6,583
All other harvesting machines (including headers, push harvesters, barge elevators, etc.)	—	581,631	—	1,200,451
Machines for preparing crops for market or use:				
Stationary threshers	See item under "Harvesting machinery"			
Ensilage cutters	349	193,543	270	146,451
Corn shellers—power	1,794	47,541	258	6,837
Grain grinders	4,511	284,496	3,090	203,533
Rollers or crushers	58	3,900	105	14,300
Pulpers	72	3,093	11	610
Fanning mills or grain cleaners	2,322	326,856	2,128	285,451
Hammermills	80	10,080	94	15,390
Feed mixers	184	25,972	247	32,706
Grain loaders and elevators	15,847	2,661,039	14,729	2,846,837
All other machines for preparing crops for market or use	—	268,694	—	65,775
Tractors and engines:				
Garden tractors (including motor tillers)	1,059	248,176	794	151,967
Spraying and dusting equipment:				
All types (including attachments)	—	1,106,086	—	1,302,595
Farm wagons, trucks and sleighs:				
Wagon boxes	1,165	121,994	651	57,776
Wagon gears (standard)	993	142,324	527	48,230
Farm trucks (low wheel—steel or wood)	—	—	—	—
Rubber-tired gears or trailers	6,608	905,733	7,641	1,051,367
Sleighs	908	180,643	714	82,359
All other farm wagons, sleighs and trucks	—	153,412	—	163,878
Domestic water systems and pumps:				
Domestic water-pressure systems and power-pumps	1,184	106,387	756	68,049
All other systems and pumps	—	26,039	—	104,743
Dairy machinery and equipment, including cream separators, milking machines, etc.	—	3,243,435	—	2,827,732
Miscellaneous farm implements and machinery	—	19,548,569	—	13,724,744
Parts and accessories for farm implements and machinery	—	13,251,245	—	10,416,304
Total farm machinery and parts	—	188,183,920	—	156,287,039
Amount received for custom work and repairs	—	9,315,099	—	10,167,846
All other products	—	8,276,468	—	4,814,640
Total all products	—	205,775,487	—	171,269,525

TABLE 4. Materials Used in the Agricultural Implements Industry, 1952 and 1953

Material	Unit of measure	1952		1953	
		Quantity	Total cost at works	Quantity	Total cost at works
			\$		\$
Iron:					
Pig iron, all grades	ton	27,914	1,602,204	12,798	727,335
Steel, hot or cold rolled (except special alloy steel):					
Bars	ton	116,439	12,937,800	74,062	8,496,873
Plates	"	8,141	948,121	5,723	682,083
Sheets, plain	"	32,246	4,301,743	29,525	3,900,093
Sheets, galvanized	"	9,597	1,480,835	7,926	1,271,108
Tin plate	"	26	5,013	5	2,163
Strip	"	6,282	883,456	4,930	756,602
Structural shapes (angles, channels, etc.)	"	29,914	3,288,509	24,521	2,661,054
Wire	"	1,332	173,831	915	110,796
Scrap iron and steel of all kinds	ton	21,442	989,483	14,337	611,650
Pipe, tubing and fittings of iron and steel	-	-	2,529,772	-	2,329,075
Other iron and steel (except finished parts)	-	-	14,636,598	-	12,525,487
Alloy steel:					
Carbon and alloy tool steels, including high-speed	-	-	192,709	-	125,466
Stainless steels	-	-	257,064	-	204,385
Other alloy steels	-	-	63,993	-	53,478
Ferro-alloys	-	-	214,070	-	86,122
Non-ferrous metals (all forms, including scrap):					
Aluminum - Castings	pound	87,524	30,771	67,491	39,715
Sheet	"	21,000	6,750	67,160	24,711
Other forms	"	811,265	140,164	36,953	10,890
Brass and bronze	"	299,763	136,327	217,172	97,549
Copper - Sheet	"	14,000	7,000	15,000	7,562
Wire	"	-	-	1,442	765
Other forms	"	18,585	7,577	16,877	4,895
Lead	"	36,249	6,718	66,894	9,923
Nickel	"	73,485	30,137	57,018	20,242
Tin	"	1,771	2,375	6,017	7,109
Zinc	"	30,863	7,335	38,561	5,865
Babbitt metals and solder	"	77,361	35,030	43,110	19,401
Other non-ferrous metals	-	-	32,982	-	102,452
Other materials and supplies:					
Paints, oils and varnishes	-	-	1,934,288	-	1,560,260
Cotton, duck and other textiles	-	-	1,025,689	-	628,297
Foundry coke (used in cupola, not for heater power)	ton	11,100	311,469	6,016	164,771
Moulding sands	"	11,647	78,986	1,993	17,836
Core sands	"	6,456	31,683	6,230	34,499
Silica sand	"	405	3,438	475	4,414
Other foundry sands	"	-	1,379	319	8,371
Plumbago and graphite	pound	8,100	843	5,412	570
Lumber	M ft. b. m.	25,635	2,751,661	17,874	1,910,148
Firebrick	No.	370,655	60,454	232,509	40,165
Fireclay	ton	432	6,745	597	11,712
Cupola blocks	No.	9,160	3,298	7,886	2,732
Core oil	Imp. gal.	19,450	18,209	55,137	46,434
Shipping containers	-	-	489,678	-	598,642
All other materials and supplies	-	-	58,161,328	-	50,402,832
Total	-	-	109,827,515	-	90,344,539

TABLE 5. Production of Plows¹, 1944-1953 (Including some plows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1947	72,460	4,552,612	1952	39,902	9,235,252
1948	69,446	7,217,103	1953	21,577	4,402,949

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

TABLE 6. Production¹ of Mowers, 1944-1953

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1944	9,448	852,560	1949	28,187	3,380,013
1945	20,511	2,029,967	1950	16,658	2,708,979
1946	21,957	2,643,489	1951	16,540	2,617,253
1947	17,861	2,139,976	1952	22,050	4,013,947
1948	21,428	2,835,300	1953	13,930	2,717,178

1. Factory shipments since 1952.

TABLE 7. Production¹ of Harrows, 1944-1953 (Including some harrows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1944	26,641	692,686	1949	121,371	5,439,217
1945	48,565	886,995	1950	97,047	5,290,631
1946	82,336	2,163,496	1951	72,068	6,802,840
1947	72,894	2,328,290	1952	85,643	6,983,941
1948	93,701	3,681,893	1953	88,906	6,069,265

1. Factory shipments since 1952.

TABLE 8. Production¹ of Grain Binders, 1944-1953

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1947	17,109	5,821,568	1952	5,398	2,347,188
1948	18,025	6,359,954	1953	1,763	800,916

1. Factory shipments since 1952.

TABLE 9. Production¹ of Threshers and Reaper-Threshers, 1944-1953
(Including some threshers made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1947	11,705	19,108,003	1952	24,562	69,632,328
1948	19,005	39,528,632	1953	21,870	61,825,147

1. Factory shipments since 1952.

TABLE 10. Production¹ of Seed Drills, 1944-1953

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1947	10,899	2,815,312	1952	10,629	4,671,475
1948	7,939	2,795,642	1953	7,669	3,164,105

1. Factory shipments since 1952.

TABLE 11. Production¹ of Cream Separators, 1944-1953 (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
		\$		\$		\$
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
1952	656	29,398	5,632	692,304	6,288	721,702
1953	—	—	3,426	389,292	3,426	389,292

1. Factory shipments since 1952.

TABLE 12. Production¹ of One-way Discs, Harrow-Plows and Tiller-Combines, 1944-1953

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1947	19,292	4,342,744	1952	21,034	9,958,121
1948	33,259	10,371,290	1953	17,073	7,914,542

1. Factory shipments since 1952.

TABLE 13. Production¹ of Cultivators, 1944-1953 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1947	29, 495	2, 932, 015	1952	28, 429	5, 361, 483
1948	26, 174	3, 404, 697	1953	13, 558	3, 466, 288

1. Factory shipments since 1952.

TABLE 14. Production¹ of Weeders and Corn Planters, 1944-1953

Year	Weeders		Corn planters	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
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
1952	2, 105	436, 855	2, 238	184, 310
1953	2, 206	474, 441	1, 850	132, 172

1. Factory shipments since 1952.

TABLE 15. Production¹ of Hay Loaders and Hay Rakes, 1944-1953

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
		\$		\$
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
1952	6, 019	1, 175, 843	18, 744	3, 211, 930
1953	4, 755	954, 059	11, 539	2, 280, 599

1. Factory shipments since 1952.

TABLE 16. Production¹ of Manure Spreaders, 1944-1953 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1947	5,963	839,863	1952	8,440	2,600,927
1948	9,561	1,733,361	1953	11,821	3,954,225

1. Factory shipments since 1952.

TABLE 17. Production, Imports and Exports of Agricultural Implements and Parts, 1944-1953

Year	Production	Imports	Exports
	\$	\$	\$
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
1952	194,688,000	197,266,000	105,408,000
1953	159,851,000	209,143,000	74,316,000

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, 1949-1953

Province	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Newfoundland	5,399,111	95,468	119,945	254,276	281,712
Maritimes		5,850,741	6,769,116	8,864,275	7,563,698
Quebec		16,657,442	19,137,999	23,816,008	23,745,129
Ontario	47,775,991	51,922,436	58,736,885	51,448,643	45,442,835
Manitoba	37,474,620	29,308,664	31,698,984	31,578,047	28,030,312
Saskatchewan	59,629,464	62,629,271	61,147,757	75,859,527	80,333,503
Alberta	44,459,129	45,117,409	48,267,092	53,505,361	51,302,523
British Columbia	5,693,928	4,125,132	5,064,558	5,021,983	4,508,606
Canada	217,089,685	218,187,120	235,620,345	250,277,241	238,050,354

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, 1952 and 1953

Item	Unit of measure	1952		1953	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators	No.	7,980	696,381	9,771	851,599
Cream separator parts	—	—	146,215	—	127,695
Milk clarifiers and complete parts	—	—	39,949	—	29,005
Milking machines, and attachments therefor; centrifugal machines for testing butter fat, milk or cream, and complete parts of articles specified in this item	—	—	1,182,069	—	1,554,804
Pasteurizers for dairying purposes, and complete parts	No.	452	318,362	289	362,823
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	—	—	1,395,008	—	1,609,534
Forks, pronged	Doz.	4,060	42,809	6,202	66,485
Harvesters, self-binding or not, and binding attachments and parts.....	No.	4,247	3,655,338	5,230	4,317,563
Hay loaders and parts	"	554	305,918	1,100	345,418
Hay tedders and parts	"	16	5,036	5	2,801
Mowing machines and parts.....	"	9,878	2,457,593	7,102	1,654,457
Potato diggers and planters, and parts	"	536	227,021	927	383,837
Rakes, horse or power, and parts.....	"	5,298	1,326,510	6,815	1,643,216
Rakes, n.o.p.....	Doz.	13,208	63,269	19,997	113,369
Reapers and parts.....	—	—	—	—	—
Scythes.....	Doz.	5,655	63,464	6,277	70,616
Sickles or reaping hooks	"	3,492	21,791	7,394	39,858

TABLE 20. Imports of Agricultural Implements, 1952 and 1953 - Concluded

Item	Unit of measure	1952		1953	
		Quantity	Value	Quantity	Value
			\$		\$
Cultivators, horse hoes, scufflers, weeders, and parts	—	—	2,674,688	—	3,123,212
Drills, seed, garden seeders, and parts	—	—	1,488,876	—	1,337,001
Harrows, disc, and parts	—	—	1,801,023	—	1,459,519
Harrows and parts, n.o.p.	—	—	494,942	—	685,499
Hoes	Doz.	1,364	15,787	2,277	25,526
Plows, disc, and parts	—	—	2,232,902	—	1,273,802
Plows and parts, n.o.p.	—	—	4,016,448	—	4,227,628
Rollers, farm, field, lawn or garden, and soil packers, and parts	No.	2,426	65,905	2,912	65,841
Fanning mills, peaviners and corn-husking machines, and parts	"	1,354	719,119	1,607	697,918
Harvesters in combination with threshing machine separators, and complete parts	"	11,884	33,834,406	12,127	34,887,329
Threshing machine separators	"	656	646,963	182	166,606
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts	—	—	1,093,769	—	593,800
Equipment for generating electric power for farm purposes only, viz.: engine, gas tank, generator, storage battery and switchboard, and complete parts	—	—	215,294	—	119,814
Fodder, feed or ensilage cutters, and parts	No.	625	363,864	10,762	330,432
Fruit and vegetable grading, grating, washing and wiping machines, and combination bagging and weighing machines, and complete parts thereof; machines for topping vegetables, and machines for bunching and tying cut flowers, vegetables and nursery stock, and complete parts thereof; machines for making or lidding boxes for fruit or vegetables; egg-graders and egg-cleaners and complete parts thereof; apparatus for sterilizing bulbs; pressure-testing apparatus for determining maturity of fruit, and parts	—	—	288,210	—	467,987
Grain crushers and grain or hay grinders, and parts	No.	5,359	866,519	3,179	678,604
Hay presses and parts	"	3,503	4,818,272	4,976	6,081,697
Manure spreaders and parts	"	3,285	979,610	4,931	1,398,289
Post hole diggers and parts	"	1,653	87,998	3,643	141,078
Spades and shovels, of iron or steel, n.o.p.	Doz.	10,776	141,997	10,146	118,480
Spraying and dusting machines and parts, including hand sprayers and parts	—	—	1,520,152	—	2,178,082
Stumping machines and complete parts	—	—	112	—	676
Traction ditching machines (not being plows), and parts	No.	43	669,243	61	675,369
Traction engines, internal combustion (for farm and other purposes)	"	49,269	82,254,085	52,326	92,477,425
Traction engines, internal combustion, parts of; traction attachments and parts (for farm and other purposes)	—	—	36,967,863	—	33,871,187
Windmills and complete parts, not including shafting	—	—	25,582	—	15,578
Pruninghooks and shears and animal dehorning instruments	—	—	94,637	—	131,249
Agricultural implements and parts, other	—	—	6,941,262	—	8,740,421
Total imports	—	—	197,266,261	—	209,143,129

TABLE 21. Exports of Agricultural Implements, 1952 and 1953

Item	Unit of measure	1952		1953	
		Quantity	Value	Quantity	Value
			\$		\$
Cream separators and parts	—	—	131,312	—	156,979
Milking machines and parts	—	—	1,321,287	—	1,361,791
Harvesters and binders	No.	794	445,370	610	322,513
Hay rakes	"	5,966	1,322,800	3,179	731,587
Mowing machines and reapers	"	8,814	1,578,641	5,326	998,172
Reaper-threshers	"	11,425	39,356,169	8,255	29,002,024
Cultivators	"	11,352	2,255,451	5,017	1,350,932
Drills and sowers	"	35,029	12,632,765	17,149	6,209,161
Harrows, disc, and parts	—	—	1,956,950	—	1,663,915
Harrows and parts, n.o.p.	—	—	214,220	—	312,778
Plows, disc, and parts	—	—	6,918,920	—	4,631,652
Plows and parts, n.o.p.	—	—	4,857,804	—	2,917,774
Planters	No.	2,298	185,122	426	50,788
Threshing-machine separators and parts	—	—	586,184	—	402,713
Garden and farm tools	—	—	70,149	—	48,688
Spades and shovels, and parts	Doz.	1,570	20,555	3,126	38,623
Garden tractors	No.	46	6,472	1	235
Farm tractors	"	6,158	9,709,636	3,673	6,495,350
Attachments for agricultural implements	—	—	2,797,974	—	1,789,265
Farm implements and machines, n.o.p.	—	—	8,451,239	—	8,395,006
Parts of farm implements and machines, n.o.p.	—	—	10,589,236	—	7,436,372
Total exports	—	—	105,408,256	—	74,316,318

TABLE 22. Employees and Their Earnings in the Agricultural Implements Industry, by Provinces, 1952 and 1953

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
1952								
Quebec	39	9	218	—	266	194,367	430,676	625,043
Ontario	2,335	681	13,547	180	16,743	11,693,698	47,192,778	58,886,476
Manitoba	76	34	431	3	544	434,615	1,071,126	1,505,741
Saskatchewan	16	8	123	—	147	89,794	329,043	418,837
Alberta	70	14	232	4	320	280,909	648,491	929,400
Other provinces	8	3	15	—	26	26,813	31,406	58,219
Canada	2,544	749	14,566	187	18,046	12,720,196	49,703,520	62,423,716
1953								
Quebec	35	9	196	—	240	211,011	429,739	640,750
Ontario	2,278	598	9,785	117	12,778	11,722,832	34,781,766	46,504,598
Manitoba	82	28	491	3	604	444,280	1,221,272	1,665,552
Saskatchewan	22	5	109	—	136	93,355	294,315	387,670
Alberta	75	12	239	10	336	333,985	622,066	956,051
Other provinces	24	4	39	—	67	52,428	94,958	147,386
Canada	2,516	656	10,859	130	14,161	12,857,891	37,444,116	50,302,007

TABLE 23. Capital and Repair Expenditures in the Agricultural Implements Industry, 1949-1953

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	\$'000						
1949	1,048	3,189	4,237	805	4,132	4,937	9,174
1950	670	2,671	3,341	985	3,702	4,687	8,028
1951	1,661	2,605	4,266	1,086	4,004	5,090	9,356
1952	2,891	3,332	6,223	1,405	5,184	6,589	12,812
1953 ¹	1,189	2,977	4,166	1,073	3,688	4,761	8,927

1. Preliminary.

TABLE 24. Fuel and Electricity Used¹ in the Agricultural Implements Industry, 1948 and 1953

Kind	Unit of measure	1948		1953	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal:					
Canadian	ton	1,639	13,158	1,884	15,527
Imported	"	47,599	418,261	45,648	472,786
Sub-bituminous coal (from Alberta mines only)	"	12	188	676	5,637
Anthracite coal	"	72	1,138	195	3,574
Lignite coal	"	203	1,952	390	3,388
Coke	"	3,158	51,015	50	864
Gasoline	Imp. gal.	310,207	100,184	338,197	115,045
Kerosene	"	3,811	945	526	131
Fuel oil	"	5,379,835	773,636	2,429,971	319,755
Gas:					
Liquefied petroleum gases (propane, etc.)	Imp. gal.	2	2	35,210	7,764
Manufactured	M cu. ft.	370,593	183,101	270,055	162,653
Natural	M cu. ft.	15,951	8,668	15,447	13,430
Wood	cord	749	4,470	324	3,011
Other fuel	—	—	645	—	9,445
Electricity purchased	k.w.h.	55,505,775	439,887	70,635,952	691,504
Total	—	—	1,997,248	—	1,824,514

1. Details shown in Tables 24 and 25 are collected only every five years; accordingly, data for intervening years are not available.

2. Not available separately.

TABLE 25. Power Equipment¹, 1948 and 1953

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1948				
Steam engines and steam turbines	10	3,780	4	650
Gasoline engines	8	83	2	6
Hydraulic turbines or water-wheels	4	48	—	—
Total primary	22	3,911	6	656
Electric motors operated by purchased power	7,409	42,798	616	4,507
Total	7,431	46,709	622	5,163
Stationary power boilers	22	4,081	2	130
Motor-generator sets	24	k. v. a. 708	1	k. v. a. 10
1953				
Steam engines and steam turbines	4	758	3	1,220
Gasoline engines	5	70	—	—
Hydraulic turbines or water-wheels	2	85	—	—
Total primary	11	913	3	1,220
Electric motors operated by purchased power	10,789	51,350	444	2,223
Total	10,800	52,263	447	3,443
Stationary power boilers	12	3,425	—	—
Motor-generator sets	20	k. v. a. 459	—	—

1. See footnote to Table 24.

List of Firms in the Agricultural Implements Industry, 1953

Name of firm	Address
Prince Edward Island:	
Hall Mfg. & Cold Storage Co. Ltd., The	Water St., Summerside
Quebec:	
Banville & Fils Enrg.	St-Octave de Métis
Desjardins Limitée	St-André de Kamouraska
Dion Frères Inc.	St-Thérèse de Blainville
La Compagnie Jutras Limitée	Victoriaville
Laperle, Louis, Enrg.	St-Ours
Machineries Pont Rouge Ltd.	Pont Rouge
Ontario:	
Buehler Metal Products Ltd.	Hespeler
Canadian Potato Machinery Co., Ltd.	17 Jarvis St., Galt
Cockshutt Farm Equipment Limited	66 Mohawk St., Brantford
Deere, John, Plow Co., Limited	Port Colborne Highway, Welland
DeLaval Company Limited	113 Park St. S., Peterborough
Delhi Foundry & Farm Machinery Co.	191 King St., Delhi
Ebersol Farm Equipment Co. Limited	Milverton
Elora Industries Limited	Mill St., Elora
Ernst Bros. Company Limited	Durham St., Mount Forest
Perguson Thresher Co.	Maxville
Frost & Wood Company Limited	Smiths Falls



List of Firms in the Agricultural Implements Industry, 1953 - Concluded

Name of firm	Address
Ontario - concluded:	
Garden Tractor Sales Company.....	Box 333, Walkerville
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
Kelsey Manufacturing Co.	Delhi
Lewis, Clarence W., & Son, Limited	8 Patton St., Grimsby
Lobsinger Eros. Ltd.	Mildmay
Mckee Bros. Ltd.	Union St., Elmira
Massey-Harris-Ferguson Ltd.	915 King St. W., Toronto
Massey-Harris-Ferguson Ltd.	645 Dundas St., Woodstock
Massey-Harris-Ferguson Ltd.	Market St. and Canal Road, Brantford
Otaco Limited	West St., Orillia
Rittenhouse, M.K., & Sons	Jordan Station
Sedore, Ernest, & Son	Mount Albert
Serviss Industries	61 Wigle St., Leamington
Smith Brothers (Camden)	R.R. No. 1, Thamesville
Spramotor Ltd.	1099-1105 York St., London
Tac-lite Limited	131 Grand Ave. S., Galt
Waterloo Manufacturing Co. Ltd., The	67 King St. S., Waterloo
White, Geo., & Sons Co., Ltd.	Cabell Ave., London
Manitoba:	
Bobrowski Mfg. Co. Ltd.	Charles St., Morris
Canadian Co-operative Implements Ltd.	601 Bowman Ave., Winnipeg
Cascade Brothers Ltd.	12th & Richmond Ave., Brandon
Derby Specialty Manufacturing Co.	414 Osborne St., Winnipeg
Farmhand Company, The	1236 Sargent Ave., Winnipeg
Forever Industries Limited	115 Robinson St., Winnipeg
Hart-Emerson Company Limited, The	1425 Whyte Ave., Winnipeg
Hydraulic Engineering Co.	Partridge & Aikins Sts., Winnipeg
Inland Steel & Forgings Limited	675 Washington Ave., Winnipeg
Killbery Industries Ltd.	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.	450 Youville St., St. Boniface
Plett's Industries	Rosenort
Sifton Wood & Iron Works	Sifton
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
Leach, J. R., & Son Ltd.	154 Eighth St. E., Prince Albert
McIntyre's	Swift Current
Morris Rod Weeder Co. Ltd.	62 Argyle St., Yorkton
Nodge Manufacturing Co.	Swift Current
Sakundiak Farm Equipment	130 Dewdney Ave., Regina
Shaunavon Industries	Shaunavon
Tractor Boneyard	Albert St. & 2nd Ave., Regina
Alberta:	
Golden Arrow Service Ltd.	1439-10th Ave. E., Calgary
Johnson Farm Machine Co. Ltd.	Barons
Kirchner Machine Co.	2005-2nd Ave. South, Lethbridge
Noble Cultivators Ltd.	Nobleford
Perfection Machine Works Ltd.	5th Ave. & 3rd St. E., Calgary
Robinson Machine & Supply Co. Ltd.	50th Ave. & 1st St. S., Calgary
Samson Rotary Rod Weeder Ltd.	1019-10th Ave. W., Calgary
Victory Equipment Ltd.	321-13th St. N., Lethbridge
Waterloo Industries Ltd.	7819-104th St., Edmonton
British Columbia:	
Farm and City Service Co. Ltd.	133 Westminster Ave. W., Penticton
Mid West Equipment Ltd.	836 River Rd., Lulu Island, Vancouver 14.
Okanagan Turbo Sprayers Ltd.	255 Ellis St., Penticton
Rain Bird Sprinkler Mfg. Co. Canada, Ltd.	54 E. Cordova St., Vancouver
Trump Limited	Penticton St., Oliver