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THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1948

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Annual Industry Report

Iron and Steel and Their Products Group

THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1948

Production by establishments in the farm implements and farm machinery industry was 64.3 per cent higher in value in 1948 than in 1947, and 130 per cent higher than in 1946. Actual values (at factory prices) for these years were as follows: \$146,956,254 in 1948, \$89,423,469 in 1947, and \$63,238,542 in 1946. The output of farm equipment, in this industry amounted to \$132,496,881 in 1948, \$79,966,899 in 1947 and \$52,247,004 in 1946; 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 \$6,582,002 in 1948, \$3,963,218 in 1947 and \$1,743,846 in 1946.

Sixty-nine factories were included in the farm implements industry in 1948, there being 38 works in Ontario, 11 in Manitoba, 7 in Alberta, 6 in Quebec, 3 in Saskatchewan, 3 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 19,111 workers during the year, the 3,060 salaried employees being paid \$8,253,086 and the 16,051 wage-earners \$37,017,587. The total of \$45,270,673 for salaries and wages was 45 per cent more than the amount distributed to the 16,013 employees in 1947.

Table 1 - PRINCIPAL STATISTICS OF THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1944-1948

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
			\$	\$	\$	\$
1944	39	14,053	25,469,083	1,086,700	25,165,749	61,098,793
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	19,111	45,270,673	1,997,248	81,590,570	146,956,254
Per cent change						
1948 from 1947 ...	...	19.3	45.0	36.7	63.8	64.3

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, 1947 and 1948

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
			\$	\$	\$	\$
<u>1947</u>						
Quebec	6	380	523,885	25,008	501,296	1,394,198
Ontario	37	15,083	29,718,675	1,390,759	47,621,550	85,032,848
Manitoba	7	317	595,292	29,715	1,129,236	1,865,629
Alberta	6	182	335,651	10,361	434,544	943,481
Prince Edward Island ..)	1					
Saskatchewan	3	51	70,503	6,078	112,791	187,313
British Columbia	1					
CANADA	61	16,013	31,244,006	1,461,921	49,799,417	89,423,469

NOTE: This report was prepared in the Mining, Metallurgical and Chemical Section.

Farm Implements

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1947 and 1948 (Concluded)

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
<u>1948</u>						
Quebec	6	366	592,278	33,559	596,101	1,658,966
Ontario	38	18,098	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					
Saskatchewan	3	49	67,894	5,964	126,305	241,089
British Columbia	3	30	61,693	670	293,984	476,811
CANADA	69	19,111	45,270,673	1,997,248	81,590,570	146,956,254

Table 3 - PRODUCTS OF THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1947 and 1948

Product	1947		1948	
	Number	Selling value at works	Number	Selling value at works
Planting, Seeding and Fertilizing Machinery -				
Corn planters - Horse and tractor drawn	2,618	192,594	8,207	601,175
Grain and fertilizer drills (combination)	3,116	656,682	18,579	3,943,680
Grain drills - plain and press	10,899	2,815,312	7,939	2,795,642
Seed boxes for harrow plows, one way discs and tiller combines	5,138	318,518	11,338	955,116
Fertilizer and lime sowers, horse or tractor drawn.	830	99,098	1,027	113,140
Manure spreaders	5,463	767,363	8,734	1,588,901
All other planting, seeding and fertilizing machines.	...	245,347	...	183,998
Plows -				
Walking plows - 1 furrow	41,535	513,150	25,236	480,250
2 furrow	1,520	118,479	1,300	127,859
Riding gang plows - 2 furrow	250	24,500	...	...
Mouldboard plows - Tractor drawn	25,418	3,174,889	37,032	5,171,847
Disc plows - Horse drawn	592	80,229	...	...
Tractor drawn	2,175	612,772	4,279	1,310,055
Harrow plows, one-way discs, tiller combines	19,292	4,342,744	33,259	10,371,290
All other plows .....	...	2,374	...	47,847
Tilling, Cultivating, Weeding Machines -				
Harrows - Drag (sections)	39,212	306,845	51,356	365,825
Spring tooth (sections)	7,561	195,621	17,252	597,282
Disc - Horse or tractor drawn -				
Under 12'	6,297	510,980	10,342	714,139
12' or over	5,763	713,195	2,808	427,197
Tandem tractor disc	3,779	472,810	11,067	1,541,656
Land rollers	10	684	...	...
Soil packers	2,423	112,836	3,285	192,117
Scufflers and horse hoes	10,560	153,477	33,084	498,624
Corn cultivators - Horse and tractor drawn	1,254	25,824	1,351	91,095
Tractor mounted .....	...	...	1,000	125,750
X Field cultivators - Horse and tractor drawn	19,751	2,493,343	16,368	2,489,554
X Rod weeders	2,753	243,561	2,653	317,183
X Blade weeders	37	13,220	59	23,820
Other tilling, cultivating and weeding machines .....	...	389,698	...	986,921

Table 3 - PRODUCTS OF THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1947 and 1948 (Concluded)

Product	1 9 4 7		1 9 4 8	
	Number	Selling value at works	Number	Selling value at works
Haying Machinery -				
Mowers - Horse drawn	14,860	1,769,143	13,846	1,955,302
Tractor drawn or mounted	3,001	370,833	7,582	879,998
Hay loaders	4,156	496,397	7,401	1,089,616
Dump rakes	10,957	590,495	8,759	526,984
Side rakes and tedders	3,647	486,170	5,545	774,411
All other haying machinery .....	...	28,405	...	49,885
Harvesting Machinery -				
Combine reaper-threshers and stationary threshers	11,289	19,032,126	18,962	39,446,262
Swathers or windrowers	6,560	2,309,871	9,572	3,818,253
Pick-up attachments for combines	3,800	241,711	9,880	1,038,415
Grain binders - Ground drive	12,024	3,931,745	13,092	4,125,757
Power take-off drive	5,085	1,889,823	4,933	2,234,197
Corn binders - Ground drive	1,021	223,643	803	192,217
Power take-off drive	1,315	388,415	2,668	965,434
Potato diggers - Horse or tractor drawn	354	54,679	156	23,277
All other harvesting machines (including headers, push harvesters, barge elevators, etc.) .....	...	182,245	...	138,402
Machines For Preparing Crops For Market or Use -				
Stationary threshers		See item under "Harvesting Machinery"		
Ensilage cutters	500	158,559	204	101,192
Corn shellers - Hand	500	8,375	3,068	106,835
Grain grinders	3,861	212,047	6,767	313,306
Rollers or crushers	1,948	96,910	596	39,453
Pulpers	458	26,987	66	2,046
Fanning mills or grain cleaners	2,791	164,028	3,303	283,561
Hammermills	1,262	173,334	2,455	452,603
Feed mixers	179	20,923	558	34,423
Grain loaders and elevators	1,818	176,816	1,342	144,485
All other machines for preparing crops for market or use .....	...	112,692	...	122,825
Tractors and Engines -				
Garden tractors (including motor tillers) -	2,746	492,390	1,416	338,345
Spraying and Dusting Equipment -				
All types (including attachments) .....	...	391,728	...	601,514
Farm Wagons, Trucks and Sleighs -				
Wagon boxes	1,854	74,356	659	42,190
Wagon gears (standard)	1,027	56,705	61	4,758
Farm trucks (low wheel - steel or wood)	1,195	93,136	800	73,600
Rubber tired gears or trailers	6,733	1,170,064	10,495	1,717,623
Sleighs	5,204	318,334	3,421	246,591
All other farm wagons, sleighs and trucks .....	...	456,657	...	15,000
Domestic Water Systems and Pumps -				
Domestic water pressure systems and power pumps ..)				
All other systems and pumps .....	...	139,648	...	264,394
Dairy Machinery and Equipment -				
Cream separators - 300 pounds and under	6,893	241,469	3,728	147,473
Over 300 pounds	17,370	1,414,374	7,738	706,504
All other dairy machinery and equipment (including milking machines, motors, pumps, attachments)..	...	3,082,170	...	2,347,706
Miscellaneous farm implements and machinery				
Parts and accessories for farm implements and machinery .....	...	7,140,374	...	22,257,748
TOTAL FARM MACHINERY AND PARTS ..	...	12,152,977	...	8,812,333
TOTAL FARM MACHINERY AND PARTS ..	...	79,966,899	...	132,496,881
Amount received for custom work and repairs .....	...	6,347,809	...	8,543,993
All other products .....	...	3,108,761	...	5,915,380
TOTAL ALL PRODUCTS .....	...	89,423,469	...	146,956,254

Table 4 - MATERIALS USED IN THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1947 and 1948

Material	Unit of measure	1 9 4 7		1 9 4 8	
		Quantity	Total cost at works	Quantity	Total cost at works
Iron -					
Pig iron, all grades	ton	29,939	943,858	27,975	1,138,906
Iron castings of all kinds purchased	ton	28,041	5,215,745	62,875	11,544,689
Steel, hot or cold rolled (except special alloy steel) -					
Steel castings	ton	605	188,532	1,459	294,349
Bars	ton	87,857	6,530,559	105,944	9,291,564
Forgings	ton	...	142,709	...	213,191
Plates	ton	8,902	673,830	13,267	1,139,775
Shafting	ton	8,524	858,291	10,625	1,158,584
Sheets, plain	ton	18,032	1,456,428	21,360	2,124,989
Sheets, galvanized	ton	4,706	499,942	8,509	947,678
Tin plate	base box	705	12,636	540	11,833
Strip	ton	2,146	163,853	3,062	303,927
Stampings	ton	...	125,355	...	255,218
Structural shapes (angles, channels, etc.) ...	ton	5,055	369,417	8,039	744,530
Wire	ton	595	60,433	564	63,372
Scrap iron and steel of all kinds	ton	15,776	378,170	10,819	474,485
Pipe, tubing and fittings of iron and steel ...	...	...	558,218	...	842,003
Other iron and steel (except finished parts) ..	...	...	334,760	...	455,587
Alloy steel -					
Carbon and alloy tool steels, including					
high-speed .....	...	...	104,493	...	151,360
Stainless steels .....	...	...	156,020	...	119,491
Other alloy steels .....	...	...	22,756	...	28,568
Ferro-alloys .....	...	...	52,283	...	50,756
Non-ferrous metals (all forms, including scrap)-					
Aluminum	pound	89,691	17,968	100,431	35,092
Brass and bronze	pound	872,911	183,896	661,779	204,075
Copper	pound	107,605	30,327	107,181	33,546
Lead	pound	20,539	2,135	26,140	4,557
Nickel	pound	59,531	19,397	12,900	5,282
Tin	pound	24,250	17,386	8,813	8,396
Zinc	pound	70,110	8,860	33,988	8,078
Babbitt metals and solder	pound	118,525	38,957	97,879	32,691
Other metals .....	...	...	17,051	...	26,325
Other materials and supplies -					
Parts for machines or vehicles .....	...	...	18,072,296	...	29,197,186
Bolts, nuts, rivets and screws .....	...	...	1,188,900	...	1,786,002
Electrical goods, including motors .....	...	...	629,048	...	579,884
Paints, oils and varnishes .....	...	...	822,452	...	1,229,427
Wheels	No.	...	624,341	...	1,100,301
Cotton, duck and other textiles .....	...	...	610,910	...	771,447
Foundry coke (used in cupola, not for heat or power)	ton	11,318	201,949	9,338	189,892
Moulding sands	ton	4,258	28,435	3,443	23,350
Core sands	ton	6,452	26,258	8,843	76,682
Silica sand	ton	1,324	8,267	931	6,681
Other foundry sands	ton	188	1,117	...	18,987
Starch	pound	...	...	880	86
Plumbago and graphite	pound	20,393	1,502	16,985	1,430
Other foundry facings .....	...	...	9,050	...	7,475
Patterns and models .....	...	...	96,917	...	227,944
Lumber	M ft.b.m.	32,121	2,730,910	32,264	3,484,927
Firebrick	No.	394,340	40,899	363,737	48,583
Fireclay	ton	2,581	44,110	554	7,063
Cupola blocks	No.	7,110	3,853	15,184	4,292
Core oil	Imp.gal.	39,441	35,409	25,751	35,996
Core compounds .....	...	...	60,674	...	21,025
Acetylene	cu.ft.	722,930	23,307	841,450	26,863
Oxygen	cu.ft.	1,008,574	12,955	1,513,300	19,984
Shipping containers .....	...	...	175,828	...	244,168
All other materials and supplies .....	...	...	5,165,765	...	10,767,998
TOTAL .....	...	...	49,799,417	...	81,590,570

Table 5 - PRODUCTION OF PLOWS (x) IN CANADA, 1939-1948 (Including some plows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	37,823	1,532,509	1944	35,558	2,124,021
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

(x) Not including harrow-plows, one-way discs or tiller-combines.

Table 6 - PRODUCTION OF MOWERS IN CANADA, 1939-1948

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	8,242	580,793	1944	9,448	852,560
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

Table 7 - PRODUCTION OF HARROWS IN CANADA, 1939-1948 (Including some harrows made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	28,755	541,738	1944	26,641	692,686
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

Table 8 - PRODUCTION OF GRAIN BINDERS IN CANADA, 1939-1948

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	9,916	1,995,093	1944	8,278	1,994,109
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

Table 9 - PRODUCTION OF THRESHERS AND REAPER-THRESHERS IN CANADA, 1939-1948 (Including some threshers made in other industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	3,049	2,647,764	1944	4,615	6,356,896
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	19,108,005
1943	2,244	2,532,930	1948	19,005	39,528,632

Table 10 - PRODUCTION OF SEED DRILLS IN CANADA, 1939-1948

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	5,530	635,795	1944	6,915	1,281,642
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

Table 11 - PRODUCTION OF CREAM SEPARATORS IN CANADA, 1939-1948 (From all industries)

Year	300 Pounds and under		Over 300 pounds		T O T A L	
	Number	Selling value at works	Number	Selling value at works	Number	Selling value at works
1939	(Not available)				5,520	392,211
1940					5,946	332,679
1941					19,876	986,268
1942	separately				20,986	1,084,035
1943					13,081	866,073
1944					25,737	1,574,041
1945	for these years)				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

Table 12 - PRODUCTION OF ONE-WAY DISCS, HARROW-PLOWS AND TILLER COMBINES, 1939-1948

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	3,525	642,256	1944	5,740	1,290,975
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

Table 13 - PRODUCTION OF CULTIVATORS IN CANADA, 1939 - 1948 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	5,884	410,226	1944	7,237	554,691
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	26,633	3,633,189

Table 14 - PRODUCTION OF WEEDERS AND CORN PLANTERS, 1939-1948

Year	Weeders		Corn Planters	
	Number	Selling value at works	Number	Selling value at works
1939	1,535	107,876	2,298	117,119
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	2,712	341,003	8,207	601,175

Table 15 - PRODUCTION OF HAY LOADERS AND HAY RAKES, 1939-1948

Year	Hay loaders		Hay rakes, including combination side rakes and tedders	
	Number	Selling value at works	Number	Selling value at works
1939	1,122	95,287	4,924	185,430
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

Table 16 - PRODUCTION OF MANURE SPREADERS, 1939-1948 (From all industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
1939	3,077	324,659	1944	4,242	592,070
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

Table 17 - PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF FARM IMPLEMENTS AND PARTS, 1940-1948

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	53,990,850	68,351,742	28,661,562
1947	83,930,117	105,404,869	42,237,917
1948	139,078,883	139,993,374	73,760,071

Note: 1. 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.

2. Details of imports and exports are shown in Tables 20 and 21.

Table 18 - SALES OF FARM IMPLEMENTS AND EQUIPMENT IN CANADA, BY PROVINCES, 1944-1948

Province	1944	1945	1946	1947	1948
Maritimes	1,933,382	2,614,295	3,768,645	4,286,830	5,461,051
Quebec	5,058,633	6,127,410	8,867,989	11,361,856	14,906,555
Ontario	12,977,046	14,893,109	20,268,580	28,036,903	38,453,369
Manitoba	7,224,039	8,101,194	9,987,683	15,583,121	23,369,284
Saskatchewan	15,220,383	18,055,056	20,308,054	33,382,699	46,505,877
Alberta	11,117,015	12,832,109	15,698,660	25,953,168	36,748,138
British Columbia	1,293,637	1,670,043	2,798,574	3,790,165	5,221,816
CANADA	54,824,135	64,293,216	81,698,185	122,394,742	170,666,070

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.

Farm Implements

Table 19 - NUMBER OF SPECIFIED MACHINES ON FARMS IN CANADA, 1941 (According to last Decennial Census)

Province	Auto- mobiles	Motor trucks	Tractors			Thresh- ing machines	Electric motors	Gasoline engines
			Under 15 h.p.	15 h.p. and over	Com- bines			
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 INTO CANADA OF FARM IMPLEMENTS AND MACHINERY, 1947-1948

Item	Unit of measure	1947		1948	
		Quantity	Value \$	Quantity	Value \$
Cream separators	No.	13,800	742,644	12,760	722,632
Cream separator parts .....	...	...	512,684	...	417,156
Milk clarifiers and complete parts ...	...	...	32,995	...	37,851
Milking machines, and attachments therefor, centrifugal machines for testing butter fat, milk or cream, and complete parts of articles specified in this item .....	...	...	1,902,648	...	1,474,102
Pasteurizers for dairying purposes, and complete parts	No.	261	294,018	139	298,938
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 .....	...	...	1,458,462	...	1,654,685
Forks, pronged	Doz.	1,198	16,340	2,210	30,271
Harvesters, self-binding or not, and binding attachments and parts	No.	1,884	1,853,843	3,479	2,438,932
Hay loaders and parts	No.	687	183,444	1,545	338,408
Hay tedders and parts	No.	25	7,606	4	1,808
Mowing machines and parts	No.	4,990	883,508	11,442	1,963,040
Potato diggers and planters, and parts	No.	2,361	459,008	3,117	723,428
Rakes, horse or power, and parts	No.	2,333	411,298	2,880	601,420
Rakes, n.o.p.	Doz.	17,332	73,220	12,522	54,940
Reapers and parts	No.	...	1,666	...	...
Scythes	Doz.	3,229	41,283	5,011	74,577
Sickles or reaping hooks	Doz.	3,260	15,682	1,344	6,463
Cultivators, horse hoes, scufflers, weeders, and parts .....	...	...	1,646,597	...	3,325,551
Drills, seed, garden seeders, and parts .....	...	...	1,219,225	...	2,155,224
Harrow, disc, and parts .....	...	...	1,009,737	...	2,292,368
Harrow, and parts, n.o.p. ....	...	...	375,251	...	520,419
Hoes	Doz.	2,599	15,544	1,713	14,628

Table 20 - IMPORTS INTO CANADA OF FARM IMPLEMENTS AND MACHINERY, 1947-1948 (Concluded)

Item	Unit of measure	1 9 4 7		1 9 4 8	
		Quantity	Value \$	Quantity	Value \$
Ploughs, disc, and parts	Doz.	...	729,399	...	2,055,474
Ploughs and parts, n.o.p. ....	...	...	3,051,258	...	3,647,335
Rollers, farm field, lawn or garden, and soil packers, and parts	No.	146	4,418	90	2,107
Fanning mills, peaviners and corn husk- ing machines, and parts	No.	1,149	723,298	1,322	703,603
Harvesters in combination with thresh- ing machine separators, and complete parts	No.	5,033	10,693,379	5,872	14,674,210
Threshing machine separators	No.	322	295,442	554	578,944
Threshing machine separators, parts of, including weighers, wind stackers, baggers and self-feeders and parts....	...	...	741,696	...	776,353
Equipment for generating electric power for farm purposes only, viz.:— engine, gas tank, generator, storage battery and switchboard, and complete parts ..	...	...	439,628	...	648,934
Fodder, feed or ensilage cutters and parts	No.	894	306,708	1,032	406,569
Fruit and vegetable grading, grating, washing and wiping machines, and com- bination 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 com- plete parts thereof for making or lidd- ing boxes for fruit or vegetables; egg-graders and egg-cleaners, and com- plete parts thereof; apparatus for sterilizing bulbs; pressure testing apparatus for determining maturity of fruit, and parts .....	...	...	381,587	...	357,622
Grain crushers and grain or hay grinders, and parts	No.	3,267	459,654	3,940	623,165
Hay presses and parts	No.	728	736,194	1,797	1,971,447
Manure spreaders and parts	No.	2,225	445,373	3,286	757,870
Post hole diggers and parts	No.	7,559	128,505	5,083	36,561
Spades and shovels, of iron or steel, n.o.p.	Doz.	3,875	35,793	3,212	39,294
Spraying and dusting machines and parts, including hand sprayers and parts ....	...	...	1,986,283	...	2,700,016
Stumping machines and complete parts ..	No.	...	481	2	344
Traction ditching machines (not being ploughs), and parts	No.	29	269,931	34	327,119
Traction engines, internal combustion (for farm and other purposes)	No.	42,526	45,558,282	55,330	59,526,671
Traction engines, internal combustion, parts of; traction attachments and parts (for farm and other purposes) ..	...	...	23,877,948	...	29,141,350
Windmills and complete parts, not including shafting .....	...	...	155,531	...	121,346
Pruning hooks and shears and animal dehorning instruments .....	...	...	162,372	...	123,644
Agricultural implements and parts .....	...	...	1,065,006	...	1,626,555
TOTAL IMPORTS .....	...	...	105,404,869	...	139,993,374

Farm Implements

Table 21 - EXPORTS FROM CANADA OF FARM IMPLEMENTS AND MACHINERY, 1947-1948

Item	Unit of measure	1947		1948	
		Quantity	Value	Quantity	Value
Cream separators and parts .....	...	...	\$ 441,787	...	\$ 233,736
Milking machines and parts .....	...	...	1,274,338	...	729,336
Harvesters and binders	No.	13,672	4,810,917	16,721	6,494,687
Hay rakes	No.	3,198	245,582	5,363	559,344
Mowing machines and reapers	No.	5,922	786,229	11,446	1,600,541
Reaper-threshers	No.	5,716	12,835,625	11,981	28,067,302
Cultivators	No.	17,072	1,458,371	18,214	1,545,643
Drills and sowers	No.	4,197	940,448	17,589	3,998,173
Harrows, disc, and parts .....	...	...	811,502	...	1,287,939
Harrows and parts, n.o.p. ....	...	...	293,055	...	138,343
Ploughs, disc, and parts .....	...	...	2,950,936	...	7,606,141
Ploughs and parts, n.o.p. ....	...	...	4,419,637	...	5,456,950
Planters	No.	2,929	196,816	7,174	536,334
Threshing machine separators and parts ..	...	...	1,208,510	...	1,413,420
Garden and farm tools .....	...	...	165,161	...	166,289
Spades and shovels and parts	Doz.	13,940	143,241	10,256	126,979
Attachments for agricultural implements .	...	...	293,250	...	1,110,036
Farm implements and machines, n.o.p. ....	...	...	1,562,688	...	4,509,175
Parts of farm implements and machines, n.o.p. ....	...	...	7,399,824	...	8,179,703
TOTAL EXPORTS .....	...	...	42,237,917	...	73,760,071

Table 22 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1947 and 1948

Province	Average Number of Employees				Total	Salaries	Wages	Total Salaries and Wages
	On Salaries		On Wages					
	Male	Female	Male	Female				
<u>1947</u>								
Quebec	39	8	333	...	380	98,245	425,640	523,885
Ontario	1,633	562	12,619	269	15,083	4,953,429	24,765,246	29,718,675
Manitoba	25	14	278	...	317	113,904	481,388	595,292
Alberta	26	3	153	...	182	72,231	263,420	335,651
Other provinces .	10	5	35	1	51	23,753	46,750	70,503
CANADA	1,733	592	13,418	270	16,013	5,261,562	25,982,444	31,244,006
<u>1948</u>								
Quebec	40	11	315	...	366	111,101	481,177	592,278
Ontario	2,109	777	14,735	477	18,098	7,840,665	35,576,912	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
CANADA	2,241	819	15,570	481	19,111	8,253,086	37,017,587	45,270,673

LIST OF FIRMS IN THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1948

Name of Firm	Address
Prince Edward Island -	
Hall Mfg. & Cold Storage Co. Ltd., The	Water St., Summerside
Quebec -	
Banville, O. & Fils	St. Octave de Métis
Desjardins Limitée	St. André de Kamouraska
Dion Frères Inc.	Ste. Thérèse
La Compagnie Jutras Limitée	Victoriaville
Moody, Matthew & Sons Company	St. Louis St., Terrebonne
Pont Rouge Machineries Ltd.	Pont Rouge

LIST OF FIRMS IN THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1948 (continued)

Name of Firm	Address
<u>Ontario -</u>	
Advance Machine & Tool Co. Ltd.,	1160 Albert Road, Windsor
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
John Deere Plow Co. Limited	Port Colborne Highway, Welland
DeLaval Company Limited	113 Park St., Peterborough
Delhi Foundry & Machine Shop	191 King St., Delhi
Ebersol, J. R., Esq.	Milverton
Ernst Bros. Company Limited	Durham St., Mount Forest
Fell, Chas. Esq.,	Schomberg
Ferguson Thresher Co.	Maxville
Fleury-Bissel Limited	Mill St., Elora
Frost & Wood Company Limited	Smiths Falls
Garden Power Tools Ltd.,	R. R. #2, West Hill
Goodison Industries Ltd.,	Clifford St., Sarnia
Gray-Snyder Ltd.	Hillsburg
Heavy Duty Products	Preston
Herrgott Thresher Co.	Main St., St. Clemens
Hough & Collins	33 Leyton Ave., Toronto
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
Renfrew Machinery Company Limited, The	Lochiel St., Renfrew
Sedore, Ernest, & Son	Mount Albert
Spraymotor Ltd.	1099-1105 York St., London
Universal Tractors, Ltd.	Bartonville, Ont.
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
Wood, W. C., Company Limited, The	123 Woolwich St., Guelph
<u>Manitoba -</u>	
Canadian Co-operative Implements Ltd.	601 Bowman Ave., Winnipeg
Cascade Brothers Ltd.	12th & Richmond Ave., Brandon
Derby Specialty Manufacturing Co.	414 Osborne St., Winnipeg
Hart-Emerson Company Limited, The	1425 Whyte Ave., Winnipeg
Inland Steel & Forgings Limited	675 Washington Ave., East Kildonan
Krushel, L., & Sons	Morden
Machine Industries Ltd.	623 Archibald St., St. Boniface
Malmgren Implement Mfg. Co.	753 Marion St., St. Boniface
Midway Mfg. Co. Ltd.	277 Madison Ave., St. James
Standard Gas Engine Works	Morden
Universal Tractor Hitch	Pilot Mound
<u>Saskatchewan -</u>	
Kjellander, E. A. & Son	1739 Hamilton St., Regina
Shaunavon Industries	Shaunavon
Wieler, Jacob	Swift Current



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Farm Implements

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LIST OF FIRMS IN THE FARM IMPLEMENTS AND MACHINERY INDUSTRY, 1948 (concluded)

Name of Firm	Address
<u>Alberta -</u>	
Ferguson Co., E. C.	9545 - 111th Ave., Edmonton
Noble Cultivators	Nobleford
Robinson Equipment Co. Ltd.	1820 - 9th Ave. E., Calgary
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
<u>British Columbia -</u>	
New World Farm Implement Mfg. Co.	24123 - 85th Ave., Langley Prairie
Marler & Welwood Mfg. Co.	Lulu Island
Mid West Equipment Ltd.	205 West 2nd Ave., Vancouver
