

DOMINION BUREAU OF STATISTICS - CANADA

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X.

THE AGRICULTURAL IMPLEMENTS INDUSTRY IN CANADA, 1930.

According to the Dominion Bureau of Statistics at Ottawa the production of agricultural implements and machinery in Canada during 1930 was valued at \$26,902,139 as against corresponding totals of \$40,659,479 in the previous year and \$24,770,216 in 1925. Imports during the year under review were appraised at \$21,944,231 and exports (including re-exports of foreign goods) totalled \$10,435,973. A calculation made by deducting the exports from the sum of the production and imports shows that the apparent consumption of these goods in Canada amounted to \$36,410,397 in 1930 as compared with a consumption of \$52,385,827 in 1929 and \$66,532,919 in 1928.

Of the 57 firms in this industry, 41 were located in Ontario, 9 in Quebec, 5 in Manitoba, and 1 in each of Prince Edward Island and Alberta. These plants reported a fixed and working capital of \$98,684,828 and employed a monthly average of 7,405 people who received \$9,564,049 as salaries and wages. Their purchased materials, exclusive of fuel and electricity, cost \$11,353,523, and the value added by manufacturing processes amounted to \$15,548,616.

Products made by these firms included tillage implements such as plows, harrows, cultivators, etc., valued at \$6,013,354; harvesting machines, \$4,431,592; planting and seeding machines, \$2,591,778; haying machines, \$1,476,475; dairy equipment, \$1,210,330; miscellaneous parts and accessories for agricultural implements, \$2,389,563; and many other products of a similar nature.

Customs records show that \$21,944,231 worth of agricultural implements and machinery were imported into Canada during 1930. Among the imports were 11,228 tractor engines and parts at \$10,762,641; 5,938 planting and tillage implements and parts at \$3,303,359; 2,806 seed separating machines and parts at \$3,127,859; 16,514 harvesting machines, implements and parts at \$2,200,905; 26,521 dairy machines such as cream separators, pasteurizers, milking machines and parts, at \$1,452,644; and many other lines such as manure spreaders, spraying and dusting machines, pruning hooks and shears, feed and ensilage cutters, etc.

Exports and re-exports of agricultural implements from Canada during 1930 amounted in value to \$10,435,973. Among the principal lines of export were ploughs and parts at \$2,369,684; 8,864 harvesters and binders at \$1,698,353; 8,559 mowing machines at \$524,837; 10,040 cultivators at \$513,892; 3,204 drills at \$505,948;

377 reaper-threshers at \$461,648; threshing machine separators and parts at \$429,730; and miscellaneous parts for farm implements and machinery at \$2,085,859, etc.

Re-exports of foreign made farm implements and parts from Canada during 1930 were reported at \$133,569.

Table 1 - PRINCIPAL STATISTICS OF THE AGRICULTURAL IMPLEMENTS INDUSTRY IN CANADA, 1926-1930.

Years	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
1926	69	78,947,274	10,091	12,636,915	18,160,356	38,269,214	20,108,878
1927	65	88,981,203	11,011	13,315,500	19,317,415	42,096,288	23,678,873
1928	66	91,142,820	10,867	12,599,353	17,607,861	41,199,841	23,591,980
1929	62	103,356,773	11,408	14,775,869	19,016,931	40,659,479	21,642,498
1930 -							
Quebec.....	9	1,360,179	213	201,392	144,439	522,090	377,651
Ontario.....	41	96,203,003	7,053	9,215,698	11,003,626	25,901,580	14,897,954
Manitoba.....	5	958,562	104	130,492	172,511	418,733	246,222
CANADA(x)...	57	98,684,828	7,405	9,564,049	11,353,523	26,902,139	15,548,616

(x) Includes data for 1 plant in Prince Edward Island and 1 in Alberta.

Table 2 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1929 and 1930.

Provinces	Average number of employees						Salaries and Wages		
	Salaried employees		Wage earners		:		Salaries and Wages		
	Male	Female	Male	Female	Total:	Salaries	Wages	TOTAL	
<u>1929</u>									
Quebec.....	50	7	252	1	310	103,057	191,360	294,417	
Ontario.....	1,247	410	9,084	103	10,849	5,122,535	11,062,905	14,185,440	
Manitoba.....	28	8	146	...	182	79,689	155,347	235,036	
Alberta.....	6	4	32	...	42	12,662	32,334	44,996	
CANADA(x)....	1,334	431	9,534	109	11,408	3,325,356	11,452,533	14,775,889	
<u>1930</u>									
Quebec.....	49	4	165	...	218	70,677	130,715	201,392	
Ontario.....	1,110	333	5,542	68	7,053	2,780,915	6,432,783	9,215,698	
Manitoba.....	18	8	78	...	104	56,904	73,588	130,492	
CANADA(x)....	1,182	348	5,807	69	7,405	2,915,138	6,648,911	9,564,049	

(x) For 1929 includes data for 1 plant in Prince Edward Island and 1 plant in Saskatchewan. For 1930 includes data for 1 plant in Prince Edward Island and 1 in Alberta.

Table 3 - FUEL AND ELECTRICITY USED, 1929 and 1930.

Kind	Unit of measure	Quantity	1	2	3	9	1	9	3	0
			Cost			Cost			Cost	
Bituminous coal - Canadian	short tons	2,684	16,308			883	6,723			
Imported	short tons	38,761	204,988			41,673	204,755			
Anthracite coal.....	short tons	306	4,294			576	4,552			
Lignite coal.....	short tons	47	135			20	260			
Coke.....	short tons	1,315	12,349			815	7,071			
Gasoline.....	Imp. gal.	24,733	5,134			22,413	4,521			
Kerosene.....	Imp. gal.	3,059	436			1,513	308			
Fuel oil.....	Imp. gal.	3,404,018	257,068			2,279,406	170,636			
Wood.....	cords	1,218	5,053			991	4,391			
Gas - Manufactured.....	M cu.ft.	96,300	40,653			102,191	43,507			
Natural.....	M cu.ft.	5,592	2,910			2,484	2,006			
Other fuel.....	-	...	500			...	795			
Electricity.....	K.W.H.	24,991,723	249,406			18,053,471	235,627			
TOTAL.....	-	...	799,634			...	685,152			

Table 4 - POWER EMPLOYED, 1929 and 1930.

Kinds	1 9 2 9		1 9 3 0	
	Number of units	Total h.p. according to manufacturers' rating	Number of units	Total h.p. according to manufacturers' rating
Steam engines and steam turbines	39	6,153	32	5,762
Gasoline, gas and oil engines...	10	132	12	145
Hydraulic turbines or water wheels.....	6	346	4	146
Total primary power.....	55	6,631	48	6,053
Electric motors run by purchased power.....	1,063	19,613	1,036	19,373
Total power.....	1,118	26,244	1,084	25,426
Electric motors run by power generated in establishment.....	157	1,405	151	635
Total electric motors.....	1,220	21,018	1,187	20,058
Boilers.....	65	6,775	71	7,560

Table 5 - PRODUCTS MADE, 1929 and 1930.

Item	1 9 2 9		1 9 3 0	
	Number	Value	Number	Value
<u>Agricultural Implements, horse and power -</u>				
Tillage implements -				
Cultivators.....	14,420	1,002,398	12,914	741,441
Harrow sections.....	44,678	157,890	32,307	122,799
Harrows, disc.....	25,473	1,560,431	12,198	777,475
Harrows, spike tooth.....	11,892	61,166	6,112	49,365
Harrows, spring tooth.....	7,196	181,598	5,304	110,693
Hoes, horse.....	2,005	28,330	554	5,929
Land rollers.....	1,957	89,283	519	19,367
Ploughs, disc.....	3,866	439,561	2,911	283,622
Ploughs, single, walking.....	22,510	503,177	23,083	303,514
Ploughs, single, sulky.....	4,257	187,359	11,379	211,709
Ploughs, gang, walking.....	7,155	307,073	5,181	199,669
Ploughs, gang, sulky.....	8,611	596,071	8,032	511,032
Ploughs, gang, tractor.....	27,607	2,701,969	22,414	2,180,173
Ploughs, hillside.....	1,034	14,776	598	8,931
Ploughs, all other.....	250	7,500	3,927	196,486
Scufflers.....	13,866	122,217	9,369	77,300
Weeders.....	2,767	134,680	2,009	107,417
Other tillage implements.....	...	7,865	...	106,432
Planting and seeding machines -				
Drills.....	20,184	3,176,755	14,035	2,224,235
Planters, corn.....	5,093	293,149	5,664	283,088
Other planting and seeding machines.....	417	20,180	...	84,455
Harvesting machines -				
Binders, grain.....	24,783	4,044,375	17,541	2,775,147
Reaper-threshers, combined.....	4,636	4,633,704	539	553,416
Threshers.....	2,067	1,709,935	1,508	1,045,405
Other harvesting machines.....	...	100,104	...	57,624
Haying machines -				
Hay forks and carriers.....	2,073	41,971	1,247	11,131
Hay loaders.....	1,853	171,119	1,516	107,659
Hay rakes.....	10,925	320,078	7,419	221,227
Hay rakes, side delivery and tedder combined.....	1,129	70,511	168	11,955
Mowers.....	23,628	1,366,087	17,675	1,026,677
Other haying machines.....	...	118,493	...	97,826
Other farm equipment -				
Ensilage cutters.....	126	14,280	71	2,820
Fanning mills.....	3,296	142,280	2,255	112,813
Manure spreaders.....	1,593	239,653	1,332	155,331
Potato diggers.....	303	27,435	334	35,673
Pulpers and slicers.....	396	5,411	749	11,892
Sprayers, power.....	164	18,228	828	161,425
Grain grinders.....	1,820	108,868	1,097	63,685
All other implements and machinery, horse and power.....	...	97,006	...	175,270

Table 5 - PRODUCTS MADE, 1929 and 1930. (concluded).

Item	Number	1 9 2 9	1 9 3 0	
		Value	Value	
Dairy Equipment -				
Churns.....	1,294	40,919	753	42,444
Cream separators, hand.....	13,143	787,310	8,007	524,938
Cream separators, power.....	288	42,917	609	43,757
Other dairy equipment including milking machines.....	...	1,017,595	...	599,191
Parts and accessories for agricultural implements.....	...	3,087,509	...	2,389,563
Received for custom work and repairs.....	...	3,088,128	...	2,644,068
All other products including products of 1 or 2 firms (x).....	...	7,763,135	...	5,426,270
TOTAL.....	...	40,659,479	...	26,902,139

(x) Includes power-working machines, castings, pumps, road machinery, stoves, etc.

Table 6 - PRODUCTION IN CANADA OF CERTAIN AGRICULTURAL MACHINERY, 1926-1930.

Item	1926	1927	1928	1929	1930
Cultivators.....	No. 19,151	20,807	15,440	14,420	12,914
	\$ 1,425,175	1,406,319	1,059,499	1,002,398	741,441
Drills, seed.....	No. 9,522	20,527	18,342	20,184	14,035
	\$ 1,351,657	3,118,954	2,662,553	3,176,755	2,224,235
Harrows.....	No. 18,034	36,631	41,689	44,561	23,614
	\$ 810,822	1,384,766	1,539,070	1,812,195	937,533
Harvesters and binders, grain.....	No. 27,752	34,203	30,584	(a) 24,763	(a) 17,541
	\$ 4,488,648	5,330,864	4,718,290	4,044,375	2,775,147
Mowers.....	No. 39,266	37,480	23,121	23,628	17,675
	\$ 2,253,823	1,974,179	1,280,673	1,366,067	1,026,677
Ploughs.....	No. 60,682	71,042	66,957	75,270	77,525
	\$ 3,459,592	3,612,238	3,459,219	4,757,486	3,895,136
Threshers and reaper-threshers.....	No. 6,270	6,041	5,868	4,636	539
	\$ 4,544,260	5,847,019	4,477,472	4,633,704	553,416

(a) Includes grain grinders only for 1929 and 1930.

Table 7 - IMPORTS INTO CANADA, EXPORTS AND RE-EXPORTS OF AGRICULTURAL IMPLEMENTS AND MACHINERY, BY PRINCIPAL COUNTRIES, 1929 and 1930.

Country	I M P O R T S		EXPORTS and RE-EXPORTS	
	1929	1930	1929	1930
	\$	\$	\$	\$
Argentine.....	1,182	575	5,813,276	2,696,510
Australia.....	263	565	1,045,600	328,786
Belgium.....	64,314	85,962	158,622	111,615
British South Africa.....	...	...	1,487,737	726,276
Chile.....	...	...	136,668	96,286
Denmark.....	2,935	...	127,651	165,156
France.....	6,417	3,851	851,050	470,310
French Africa.....	...	...	332,547	173,232
Germany.....	85,374	89,404	568,056	177,955
Great Britain.....	175,456	123,189	436,258	352,595
Irish Free State.....	20,142	814,822	9,654	9,029
Italy.....	...	...	111,407	110,750
Morocco.....	...	...	159,542	62,969
New Zealand.....	...	702	324,295	252,157
Russia.....	...	...	1,835,724	1,203,019
Sweden.....	157,127	127,052	128,789	88,206
United States.....	31,329,541	20,643,881	5,407,888	2,770,182
Uruguay.....	...	...	154,220	162,291
Other countries.....	32,575	54,228	1,029,994	478,650
TOTAL.....	31,845,326	21,944,231	20,118,978	10,435,973

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LIST OF FIRMS IN THE AGRICULTURAL IMPLEMENTS AND MACHINERY INDUSTRY IN
CANADA, 1930.

<u>Name of Firm</u>	<u>Location of Plant</u>
<u>PRINCE EDWARD ISLAND -</u>	
Hall Manufacturing & Cold Storage Co. Ltd.	Summerside
<u>QUEBEC -</u>	
Banville & Fils, Odilon	St. Octave de Metis
Chalifoux & Fils, Ltee., O.	111 Ste. Anne St., St. Hyacinthe
Cutter, Geo. F.	Main St., Sutton
Dion and Frere	Ste. Therese de Blainville
Dominion Snath Co. Ltd.	Waterville
La Cie Des Jardins, Ltee.	St. Andre de Kamouraska
La Compagnie Jutras, Ltee.	Victoriaville
The M. Moody & Sons Co. Ltd.	Terrebonne
The Omega Machinery Ltd.	42 Rue Mendor, St. Hyacinthe
<u>ONTARIO -</u>	
Aylmer Pump & Scale Co., The	102 Center St., St. Thomas
Bissell Co. Ltd., T. E.	Elora
Canadian Potato Machinery Co. Ltd.	14 Cooper St., Galt
Cherry-Burrell Corporation of Canada, Ltd.	Water St., Brockville
Cockshutt Plow Co. Ltd.	Mohawk St., Brantford
Dennis, John, Estate of	93 Lindsay St. S., Lindsay
De Laval Co. Ltd., The	113 Park St., Peterborough
Ebersol, John R.	Mill St., Milverton
Erie Iron Works Ltd.	116 Talbot St., St. Thomas
Ernst Bros. Co. Ltd.	Mount Forest
Eureka Planter Co. Ltd., The	135-143 Winnett St., Woodstock
Ferguson Thresher Company	Maxville
Fleury's Sons, Ltd., J.	Wellington St., Aurora
Frost and Wood Co. Ltd., The	25 Chambers St., Smiths Falls
Gilson Mfg. Co. Ltd.	240 York Rd., Guelph
Goodison Thresher Co. Ltd.; The John	Mitton and Essex Sts., Sarnia
Goold, Shapley & Muir Co. Ltd.	Cor. Clarence and Wellington Sts., Brantford
Hamilton Co. Ltd., The Peter	277 George St., Peterborough
Hergott Company	Mildmay
International Harvester Co. of Canada, Ltd.	Sherman Ave. N., Hamilton
Louden Machinery Co. of Canada, Ltd.	Crimea St., Guelph
MacDonald Thresher Co.	Erie St., Stratford
McDougall Co. Ltd., R.	Chapman St., Galt
Massey-Harris Co. Ltd.	915 King St. W., Toronto (head office)
Massey-Harris Co. Ltd. Verity Works	Brantford
Massey-Harris Co. Ltd.	Market St., Brantford
Massey-Harris Co. Ltd. (Bain Works)	Dundas St., Woodstock
Maxwells Limited	St. Marys
Ontario Wind Engine & Pump Co. Ltd., The	Atlantic Ave. and Liberty St., Toronto
Percival Plow & Stove Co. Ltd.	Merrickville
Perfecto Mfg. Co. Ltd.	34 Bridgeport Rd., Waterloo
Renfrew Machinery Co. Ltd.	Lochiel St., Renfrew
Sawyer Massey Co. Ltd.	Wellington St. N., Hamilton
Spramotor Co.	1109-35 York St., London
Superior Barn Equipment Co. Ltd.	Box 306, Fergus
Templin Mfg. Co., The	St. Andrews St., Fergus
Tudhope-Anderson Co. Ltd.	West St., Orillia
Universal Machine & Tool Works	Ridgewood
Waterloo Manufacturing Co. Ltd., The	67 King St., Waterloo
Watson Mfg. Co. Ltd., The John	Ayr
White & Sons Co. Ltd., The George	Cabell St., London
Wood Co. Ltd., The W. C.	1A Howard Park Ave., Toronto
<u>MANITOBA -</u>	
Acme Manufacturing Co. Ltd.	215 Watt St., Winnipeg
Agricultural Specialty Machine Co. Ltd.	829 Archibald St., St. Boniface
Gregg Mfg. Co. Ltd.	601 Bowman Ave., Winnipeg
Hart-Emerson Co. Ltd.	1425 Whyte Ave., Winnipeg
Link Mfg. Co. Ltd.	Tupper St. N., Portage la Prairie
Simplex Separator Co. Ltd., The	621-629 Wall St., Winnipeg
<u>SASKATCHEWAN -</u>	
McNelly, G. A.	1325 Albert St., Regina
<u>ALBERTA -</u>	
Coutts Machinery Co. Ltd.	10509 - 95th St., Edmonton
Samson Rotary Rod Weeder Ltd.	1019 - 10th Ave. W., Calgary
Strang's Rotary Grain Cleaners Ltd.	136 Fifteenth Ave. E., Calgary

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