

Table 1 - PRINCIPAL STATISTICS OF THE AGRICULTURAL IMPLEMENTS INDUSTRY IN CANADA, 1927-1931.

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
1927	65	98,981,203	11,011	13,315,500	19,317,415	42,996,286	23,878,873
1928	66	91,142,820	10,867	13,599,953	17,607,861	41,199,841	23,591,980
1929	62	103,356,773	11,408	14,775,889	19,016,981	40,659,479	21,642,498
1930	57	98,684,828	7,405	9,564,049	11,353,523	26,902,139	15,548,616
1931 -							
Quebec ...	8	1,150,521	146	139,284	73,354	264,493	191,139
Ontario ..	41	82,293,715	4,231	4,747,062	3,406,964	10,612,679	7,205,715
Manitoba .	5	910,083	72	92,777	107,804	271,125	163,321
CANADA (x)	57	84,501,405	4,471	4,997,732	3,597,534	11,175,404	7,577,870

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

Table 2 - CAPITAL EMPLOYED, 1930 and 1931.

Provinces	Capital employed as represented by:			TOTAL CAPITAL EMPLOYED
	Value of lands, buildings, fixtures, machinery and tools	Inventory value of materials, supplies and finished products on hand and stocks in process	Cash, trading and operating accounts and bills receivable	
	\$	\$	\$	\$
<u>1930</u>				
Quebec	750,260	267,393	342,526	1,360,179
Ontario	23,184,247	30,463,847	36,554,909	96,203,003
Manitoba ...	320,703	497,631	140,248	958,582
CANADA (xx)	20,326,395	31,290,636	37,067,797	98,684,828
<u>1931</u>				
Quebec	632,299	299,053	219,169	1,150,521
Ontario	22,562,354	27,251,785	32,479,576	82,293,715
Manitoba ...	313,557	388,208	208,318	910,083
CANADA (x)	23,577,842	27,985,414	32,938,149	84,501,405

(xx) Total for 1930 includes data for 1 plant in Prince Edward Island and 1 in Alberta
(x) See footnote to Table 1.

Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1930 and 1931.

Provinces	Average number of employees				TOTAL	Salaries and Wages		
	On salaries		On wages			Salaries	Wages	TOTAL
	Male	Female	Male	Female				
					\$	\$	\$	
<u>1930</u>								
Quebec	49	4	165	111	218	70,677	130,715	201,392
Ontario	1,110	333	5,542	68	7,053	2,780,915	6,432,783	9,213,698
Manitoba ...	18	8	78	104	104	56,904	73,588	130,492
CANADA (x)	1,182	348	5,807	68	7,405	2,915,138	6,648,911	9,564,049
<u>1931</u>								
Quebec	39	2	105	100	146	48,862	90,422	139,284
Ontario	780	216	3,198	37	4,231	1,930,081	2,816,981	4,747,062
Manitoba ...	17	5	49	1	72	48,015	44,762	92,777
CANADA (x)	840	224	3,369	38	4,471	2,034,734	2,962,998	4,997,732

(x) See footnotes to Tables 1 and 2.

Table 4 - WAGE-EARNERS, BY MONTHS, 1930 and 1931.

Months	1930			1931		
	Male	Female	Total	Male	Female	Total
January	7,498	97	7,595	3,768	40	3,808
February	7,228	90	7,318	4,268	45	4,311
March	6,878	76	6,954	4,713	41	4,754
April	6,862	77	6,929	4,572	38	4,610
May	6,424	72	6,496	3,996	36	4,032
June	6,122	73	6,195	3,248	26	3,274
July	5,320	68	5,388	3,070	33	3,103
August	4,313	57	4,370	2,445	28	2,473
September	3,913	52	3,965	2,070	22	2,092
October	3,151	46	3,197	2,717	45	2,762
November	4,979	43	5,022	2,701	46	2,747
December	4,988	39	5,027	2,808	47	2,855
AVERAGE	5,807	68	5,875	3,369	36	3,407

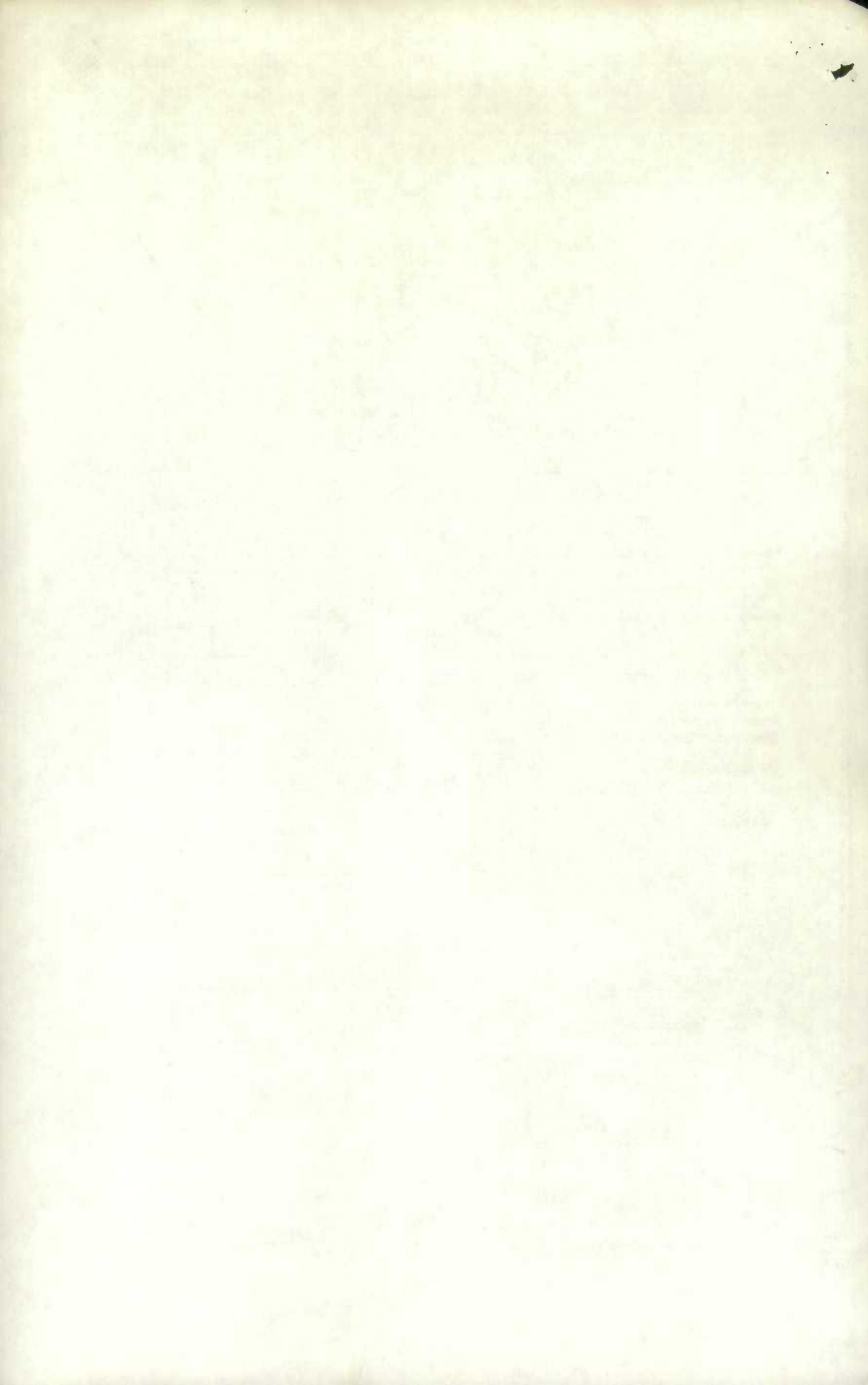


Table 5 - NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT, ACCORDING TO REGULAR HOURS WORKED PER WEEK, 1931. (Overtime not included)

Regular hours worked per week	Number of wage-earners	Regular hours worked per week	Number of wage-earners
40 hours or less	637	51 - 53 hours	49
41-43 hours	8	54 hours	58
44 hours	383	55 hours	106
45 - 47 hours	91	56 - 59 hours	63
48 hours	1,308	60 hours	47
49 - 50 hours	2,145	Over 60 hours	68

Table 6 - FUEL AND ELECTRICITY USED, 1930 and 1931.

Kind	Unit of measure	1930		1931	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian ..	short tons	888	6,723	6,511	32,279
Imported ..	short tons	41,673	204,755	21,814	111,272
Anthracite coal	short tons	576	4,552	1,450	8,412
Lignite coal	short tons	20	260	16	210
Coke	short tons	815	7,071	589	5,371
Gasoline	Imp. gal.	22,413	4,521	16,796	3,468
Kerosene	Imp. gal.	1,513	308	1,120	207
Fuel oil	Imp. gal.	2,279,406	170,636	659,529	49,695
Wood	cords	991	4,391	640	3,118
Gas - Manufactured	M cu.ft.	102,191	43,507	36,493	16,078
Natural	M cu.ft.	2,484	2,006	2,612	2,138
Other fuel	--	...	795	...	281
Electricity	K.W.H.	18,053,471	235,627	9,917,953	149,396
TOTAL	--	...	685,152	...	381,925

Table 7 - POWER EMPLOYED, 1930 and 1931.

Kinds	1930		1931	
	Number of units	Total horse power	Number of units	Total horse power
Steam engines and steam turbines.....	32	5,762	30	5,537
Gasoline, gas and oil engines	12	145	14	149
Hydraulic turbines or water wheels	4	146	5	154
Total Primary Power	48	6,053	49	5,840
Electric motors run by purchased power ...	1,036	19,373	1,110	19,308
Total Power	1,084	25,426	1,159	25,148
Electric motors run by power generated in establishment	151	685	152	686
Total Electric Motors	1,187	20,358	1,262	19,994
Boilers	71	7,560	63	7,320

Table 8 - MATERIALS USED, 1930 and 1931.

Materials	Unit of measure	1930		1931	
		Quantity	Total cost at works	Quantity	Total cost at works
Iron and Steel -					
Pig iron	long ton	26,589	565,935	11,704	250,095
Wrought iron bars and skelp, etc.	short ton	417	30,231	310	22,200
Malleable iron bars, etc. ..	short ton	5,108	632,235	218	20,112
Iron castings, all kinds ...	short ton	1,187	134,433	1,659	205,659
Steel (other than special alloy steel) -					
Castings purchased	short ton	590	77,531	463	52,024
Ingots, blooms and billets.	short ton	152	7,445	18	1,750
Bars and rods	lb.	103,891,957	2,605,822	21,260,371	513,194
Shafting	lb.			1,198,246	37,993
Plates	lb.			1,870,111	66,820
Sheets, plain	lb.	16,380,734	660,871	1,671,143	57,553
Sheets, galvanized	lb.			1,631,292	74,031
Structural shapes (angles, channels, etc.)	lb.	7,046,000	166,423	2,266,293	54,857
Wire	lb.	3,159,003	79,753	529,669	13,524

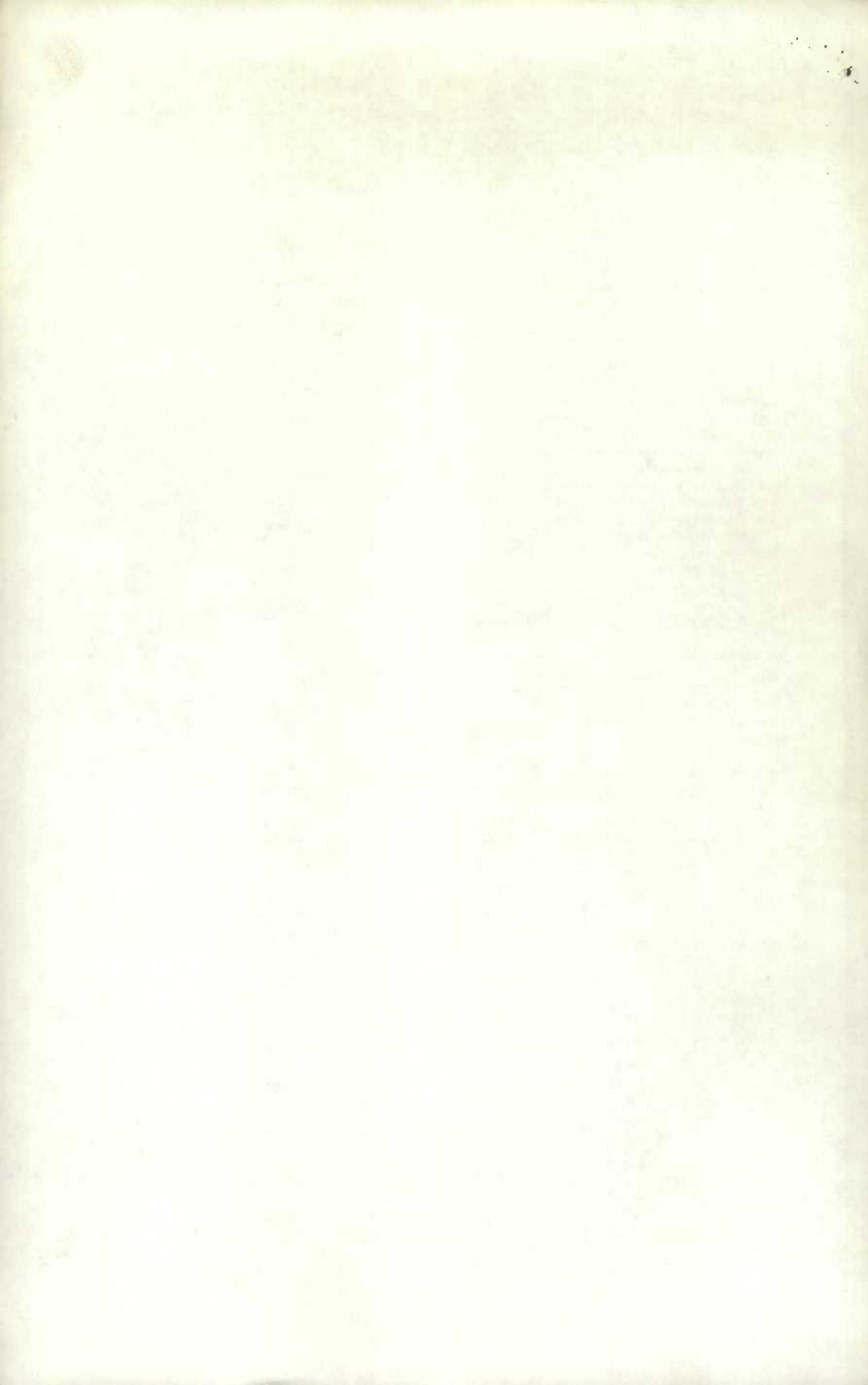


Table 8 - MATERIALS USED, 1930 and 1931. continued.

Materials	Unit of measure	1930		1931	
		Quantity	Total cost at works	Quantity	Total cost at works
Iron and Steel - continued -					
Alloy steel	lb.	57,682	8,970	44,504	5,134
Scrap iron and steel of all kinds	short ton	6,258	103,277	2,923	39,833
Other iron and steel	xx	...	104,424	...	55,511
Other metals -					
Aluminium	lb.	63,528	11,154	52,349	9,269
Brass and bronze castings	lb.	335,886	75,295	91,468	17,371
Brass sheets, bars, etc.	lb.	51,083	13,549	27,089	7,109
Copper	lb.	239,431	46,328	107,409	23,614
Lead	lb.	59,362	3,630	12,056	777
Tin	lb.	46,827	22,327	34,078	8,613
Zinc	lb.	214,638	20,077	71,700	4,066
Babbitt metals and solder	lb.	73,570	16,383	47,950	9,009
Other metals	xx	...	10,923	...	12,051
Articles used for further manufacture -					
Parts for machines or vehicles	xx	...	813,498	...	428,054
Iron and steel pipes, tubes and fittings	xx	...	124,646	...	65,004
Bolts, nuts, rivets and screws	xx	...	272,483	...	102,487
Electrical goods	xx	...	95,848	...	56,428
Paints, oils and varnishes	xx	...	250,509	...	72,009
Rubber and leather goods	xx	...	167,653	...	52,277
Wheels - wooden	No.	3,491	21,290	1,469	5,914
Wheels - metal	No.	79,614	145,513	23,614	85,365
Separator parts	xx	...	513,109	...	189,588
Cotton, duck and other textiles	xx	...	195,780	...	49,459
Accessories and equipment for tractors and engines	xx	...	56,666	...	36,621
Other articles of this class	xx	...	534,596	...	161,495
Other material -					
Foundry coke (used in cupola; not for heat or power)	short ton	10,872	100,254	8,100	61,646
Moulding sands	short ton	12,126	33,011	5,832	14,474
Plumbago	lb.	4,693	341	2,788	183
Other foundry facings	lb.	556,494	17,613	184,481	5,630
Patterns and models	xx	...	4,166	...	1,763
Lumber	M ft. B.M.	20,123	1,129,601	6,673	369,621
Firebrick	M	409	23,616	107	7,108
Fireclay	short ton	985	6,426	518	3,533
Cupola blocks	No.	2,905	616	9,458	1,133
Core oil	Imp. gal.	12,977	10,728	6,171	4,688
Core compounds	lb.	...	1,225	7,860	278
Shipping containers	xx	...	12,734	...	11,110
Other materials	xx	...	1,424,585	...	249,497
TOTAL	xx	...	11,363,523	...	3,597,534

Table 9 - PRODUCTS MADE, 1930 and 1931.

Products	1930		1931	
	Number	Selling value at works	Number	Selling value at works
Agricultural Implements, horse and power -				
Tillage implements -				
Cultivators	12,914	741,441	3,518	279,564
Harrow sections	32,307	122,799	8,871	48,519
Harrows, disc	12,198	777,475	4,039	216,031
Harrows, spike tooth	6,112	49,365	2,052	12,758
Harrows, spring tooth	5,304	110,693	2,243	31,787
Hoes, horse	554	5,929	1,129	15,223
Land rollers, land packers and plough packers.....	2,522	88,905	2,305	65,542
Ploughs, disc	2,911	283,622	903	160,446
Ploughs, single, walking	23,083	303,514	14,194	163,263
Ploughs, single, sulky	11,379	211,709	1,162	48,589
Ploughs, gang, walking	5,181	199,669	954	42,125
Ploughs, gang, sulky	8,032	511,032	442	31,847
Ploughs, gang, tractor	22,414	2,180,173	3,383	378,894
Ploughs, hillside	598	8,931	290	3,737

Table 9 - PRODUCTS MADE, 1930 and 1931. continued.

Products	1930		1931	
	Number	Selling value at works \$	Number	Selling value at works \$
Tillage implements - continued				
Ploughs, all other	3,927	196,486	604	15,950
Scufflers.....	9,369	77,300	3,092	49,523
Weeders	2,345	132,457	...	25,181
Other tillage implements .....	...	11,854	...	...
Planting and seeding machines -				
Drills	14,035	2,224,235	2,818	457,707
Planters, corn	5,664	283,088	197	5,066
Other planting and seeding machines .....	...	84,455	...	7,086
Harvesting machines -				
Binders, grain	17,541	2,775,147	3,485	586,133
Reaper-threshers, combined	539	553,416	294	343,457
threshers	1,508	1,045,405	603	461,555
Other harvesting machines .....	...	57,624	...	36,120
Haying machines -				
Hay forks and carriers	1,247	11,131	449	4,832
Hay loaders	1,516	107,659	761	57,119
Hay rakes	7,419	221,227	3,420	106,438
Hay rakes, side delivery and tedder combined	168	11,955	68	5,464
Mowers	17,675	1,026,677	8,340	511,392
Other haying machines .....	...	17,014	...	1,500
Other farm equipment -				
Ensilage cutters	71	2,820	174	4,790
Fanning mills	2,255	112,813	...	47,230
Manure spreaders	1,332	155,331	710	82,951
Potato diggers	334	35,673	386	36,842
Pulpers and slicers	749	11,692	293	4,174
Sprayers, power	828	161,425	586	85,280
Grain grinders	1,097	63,685	958	51,959
All other implements and machinery, horse and power .....	...	256,082	...	124,859
Dairy Equipment -				
Churns	753	42,444	65	39,117
Cream separators, hand	8,007	524,938	7,110	483,675
Cream separators, power	609	43,757	108	24,660
Other dairy equipment including milking machines .....	...	599,191	...	438,220
Parts and accessories for agricultural implements .....	...	2,389,563	...	724,918
Received for custom work and repairs .....	...	2,644,068	...	1,318,008
All other products including products of 1 or 2 firms (x) .....	...	5,426,270	...	3,515,853
TOTAL .....	...	26,902,139	...	11,175,404

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

Table 10 - PRODUCTION IN CANADA OF CERTAIN AGRICULTURAL MACHINERY, 1927-1931.

Products	1927	1928	1929	1930	1931
Cultivators	No. 20,807	15,440	14,420	12,914	3,518
	\$ 1,406,319	1,059,499	1,002,398	741,441	279,564
Drills, seed	No. 20,527	18,342	20,184	14,035	2,818
	\$ 3,118,954	2,662,558	3,176,755	2,224,235	457,707
Harrows	No. 36,631	41,689	44,561	23,614	8,334
	\$ 1,384,766	1,539,070	1,812,195	937,533	260,576
Binders, grain	No. 34,203	30,584	24,783	17,541	3,485
	\$ 5,330,864	4,718,290	4,044,375	2,775,147	586,133
Mowers	No. 37,480	23,121	23,628	17,675	8,340
	\$ 1,974,179	1,280,673	1,366,087	1,026,677	511,392
Ploughs	No. 71,042	66,957	75,461	77,525	21,932
	\$ 3,612,238	3,459,219	4,771,511	3,895,136	844,671
Threshers and reaper-threshers	No. 6,041	5,868	6,717	2,076	918
	\$ 5,847,019	4,477,472	6,358,514	1,624,717	830,202

Table 11 - IMPORTS INTO CANADA, EXPORTS AND RE-EXPORTS OF AGRICULTURAL IMPLEMENTS AND MACHINERY, BY PRINCIPAL COUNTRIES, 1930 and 1931.

Countries	I M P O R T S		EXPORTS AND RE-EXPORTS	
	1930	1931	1930	1931
	\$	\$	\$	\$
Argentina	575	...	2,696,510	199,431
Australia	585	207	328,786	92,802
Belgium	65,962	8,290	111,615	10,094
British South Africa .....	...	...	726,276	370,782
Chile .....	...	...	96,285	8,672
Denmark .....	...	827	165,156	95,500
Finland	19,244	18,787	3,378	1,037
France	3,851	1,827	470,510	274,503
French Africa .....	...	...	173,232	105,591
Germany	89,404	21,264	177,955	58,471
United Kingdom	123,189	109,193	352,595	415,905
Irish Free State	814,822	12,207	9,029	13,383
Italy .....	...	26	110,750	39,011
Mexico .....	...	...	23,630	16,312
Morocco .....	...	...	62,969	20,949
New Zealand	702	896	252,157	40,390
Norway	24	...	26,716	21,430
Russia .....	...	...	1,203,019	106,874
Sweden	127,052	107,043	86,206	24,439
United States	20,643,881	3,680,937	2,770,182	998,418
Uruguay .....	...	...	162,291	6,342
Other countries	34,960	2,840	424,926	89,503
TOTAL	21,944,231	3,964,344	10,435,973	3,009,839

Table 12 - FARM FACILITIES IN CANADA, JUNE 1, 1931. (Extracted from the preliminary report on "Farm Facilities, by Provinces, 1931" issued by the Division of Census and Vital Statistics, Dominion Bureau of Statistics, Ottawa.)

	Number of machines	Number of farms reporting
Total number of farms		728,623
Farm machinery -		
Automobiles	321,276	305,364
Motor trucks	48,402	46,366
Tractors	105,269	97,176
Gasoline engines	179,714	155,655
Binders	431,339	369,275
Combines	8,925	8,759
Headers	4,794	4,711
Threshing machines	75,560	74,497
Cream separators	431,277	428,847
Milking machines	6,420	6,413
Silos	45,827	42,522
Electric motors	18,626	14,638
Farm facilities -		
Gas or electric light .....	...	73,248
Radio .....	...	119,689
Telephone .....	...	233,965
Water piped in kitchen .....	...	60,571
Water piped in bathroom .....	...	36,118
Kind of road on which located -		
Asphalt .....	...	11,275
Concrete .....	...	8,793
Macadam .....	...	23,449
Gravel .....	...	254,156
Improved dirt .....	...	256,733
Unimproved dirt .....	...	160,108
Not reported .....	...	14,109
Distance to market town -		
Under 5 miles .....	...	210,136
5 - 9 miles .....	...	215,227
10 - 14 miles .....	...	111,210
15 - 24 miles .....	...	86,232
25 miles or over .....	...	89,178
Not reported .....	...	16,640

Table 12 - FARM FACILITIES IN CANADA, JUNE 1, 1931.- continued

	Number of machines	Number of farms reporting
Distance to railway station -		
Under 5 miles	374,141
5 - 9 miles	217,619
10 - 14 miles	72,099
15 - 24 miles	33,189
25 miles or over	15,209
Not reported	16,366

LIST OF FIRMS IN THE AGRICULTURAL IMPLEMENTS AND MACHINERY INDUSTRY IN CANADA, 1931.

<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
Chabot, J. Ant.	St. Charles de Bellechasse
Chalifoux & Fils, Ltee., O.	111 Ste. Anne St., St. Hyacinthe
Dion and Frere	Ste. Therese de Blainville
Dominion Snath Co. Ltd.	Waterville
La Cie Besjardins, Ltee.	St. Andre de Kamouraska
La Compagnie Jutras, Ltee.	Victoriaville
The M. Moody & Sons Co. Ltd.	Terrebonne
The Omega Machinery Ltd.	42 Rue Mondor, St. Hyacinthe
<u>ONTARIO -</u>	
Aylmer Pump & Scale Co., The	102 Center St., St. Thomas
Bissell Co. Ltd., T. E.	Elora
Brown, Robert H., Co.	Irving and Wellington Sts., Ottawa
Canadian Potato Machinery Co. Ltd.	16 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
Empire Farm Machinery Co. Ltd.	114 L'Esperance Road, Tecumseh
Erie Iron Works Ltd.	116 Talbot St., St. Thomas
Ernst Bros. Co. Ltd.	Mount Forest
Eureka Planter Co. Ltd., The	Winnett and Tecumseh Sts., Woodstock
Ferguson Thresher Company	Maxville
Fleurys' 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.	Wellington St., Brantford
Hamilton Co. Ltd., The Peter	277 George St., Peterborough
Heard, W. H.	1109-35 York St., London
Hergott Company	Mildmay
International Harvester Co. of Canada, Ltd.	Sherman Ave. N., Hamilton
Jamesway Ltd.	Rosemount Ave. and Dufferin St., Weston
Louden Machinery Co. of Canada, Ltd.	Crimea St., Guelph
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
New Perfection Sprayer Co.	65 Main St., Galt
Ontario Wind Engine & Pump Co. Ltd., The	Atlantic Ave. and Liberty St., Toronto
Percival Plow & Stove Co. Ltd.	Merrickville
Perfecto Mfg. Co. Ltd.	16 College St., Kitchener
Renfrew Machinery Co. Ltd.	Lochiel St., Renfrew
Sawyer Massey Ltd.	Wellington St. N., Hamilton
Sunshine Waterloo Co. Ltd.	Sunshine Ave., Waterloo
Superior Barn Equipment Co. Ltd.	Box 386, Fergus

LIST OF FIRMS IN THE AGRICULTURAL IMPLEMENTS AND MACHINERY INDUSTRY IN CANADA, 1931.
continued.

<u>Name of Firm</u>	<u>Location of Plant</u>
<u>ONTARIO - concluded</u>	
Templin Mfg. Co., The	St. Andrews St., Fergus
Tudhope-Anderson Co. Ltd.	West St., Orillia
Universal Machine & Tool Works	Ridgetown
Waterloo Manufacturing Co. Ltd., The	67 King St., Waterloo
Watson Mfg. Co. Ltd., The John	Ayr
White & Sons Co. Ltd., The George	Cabell and Roberts Ave., London
Wood Co. Ltd., The W. C.	2067 Dundas St. W., 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
<u>SASKATCHEWAN -</u>	
McNelly, G. A.	1323 Albert St., Regina
<u>ALBERTA -</u>	
Samsen Rotary Rod Weeder Ltd.	1019 - 10th Ave. W., Calgary
Strang's Rotary Grain Cleaners Ltd.	136 Fifteenth Ave. E., Calgary

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