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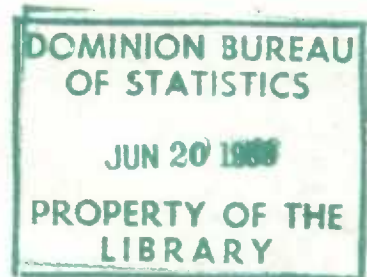
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ANNUAL



AGRICULTURAL IMPLEMENT INDUSTRY

1966



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AGRICULTURAL IMPLEMENT INDUSTRY

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For statistical purposes the industry titled Agricultural Implement Industry covers the operations of establishments primarily engaged in manufacturing agricultural implements such as plows, threshing machines, binders, fertilizing machinery, milking machines, and mowing machines. The industry also includes establishments primarily engaged in manufacturing tractors. Establishments primarily engaged in manufacturing truck tractors for highway use are classified in Industry No. 323 - Motor Vehicle Manufacturers. Establishments primarily engaged in manufacturing industrial tractors for handling materials in industrial plants, depots and docks are classified in Industry No. 315 - Miscellaneous Machinery and Equipment Manufacturers. Establishments primarily engaged in manufacturing hand tools, such as hoes, rakes, and shovels are classified in Industry No. 306 - Hardware, Tool and Cutlery Manufacturers.

A review of the principal statistics for this industry indicates that total employment increased by 5 per cent and total salaries and wages by 13 per cent. The total number of production employees increased by 733 and during the same period total manhours paid increased by 1,938,000 hours.

The total value of shipments increased by 15 per cent, the value of production increased by 14 per cent, the total cost of materials used in the manufacturing process increased by 16 per cent and value added on products of own manufacture increased by 12 per cent.

The ratio of cost of materials used to value of production was 54.2 per cent in 1966 in comparison to 53.2 per cent in 1965, and the ratio of manufacturing wages to production was 19 per cent in 1966 and 1965.

The total value of farm implements and farm equipment produced during 1966 by the firms classified to this industry represented 80 per cent of their total value of production. Some of the non-farm products were grey iron castings, bulldozer blades, hydraulic equipment, miscellaneous construction equipment, logging equipment, hardware and steel tubing.

It should be noted that Table 13 covers the shipments of the firms classified to this industry whereas Table 14 gives the total value of shipments of specific items of Canadian manufacture and includes shipments of those items reported by firms classified to other S.I.C. industries.

NOTE

The detailed "Concepts and Definitions" notes, usually carried each year, have been omitted from this 1966 report for reasons of economy. Reference to these notes may be had by consulting any 1965 report in this series. Failing this, a copy may be obtained free of charge upon application to the Manufacturing and Primary Industries Division of the Bureau.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. PRINCIPAL STATISTICS, 1961-66

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000			\$'000		
1961													
Totals	67	6,986	14,309	31,072	1,878	74,095	138,981	61,173	17	55	10,058	46,316	61,775
1962													
Totals	70	7,331	15,182	34,879	1,828	76,680	140,820	64,713	22	66	9,949	48,896	69,085
1963													
Totals	82	8,623	18,354	44,054	2,090	97,426	182,767	87,276	21	82	11,160	58,380	100,031
1964													
Totals	94	9,569	20,488	51,496	2,494	135,176	243,963	114,022	15	46	12,474	68,448	122,153
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	11	368	877	1,399	89	2,710	6,492	3,866	-	-	466	2,011	4,347
Ontario	40	8,490	17,735	47,981	2,209	133,622	231,841	100,216	13	62	10,923	63,283	107,888
Manitoba	16	1,187	2,534	4,638	179	19,055	31,385	13,715	x	x	1,398	5,944	13,777
Saskatchewan	13	196	417	738	48	2,076	4,718	2,981	x	x	318	1,432	3,154
Alberta	13	347	726	1,462	119	5,032	10,359	5,783	-	-	599	2,869	6,006
British Columbia	3	11	22	43	4	177	304	182	-	-	17	70	182
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	96	10,599	22,310	56,261	2,648	162,671	285,099	126,743	14	72	13,721	75,610	135,353
1966													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	2	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	12	483	1,124	1,843	120	4,497	8,917	4,499	-	-	598	2,560	4,773
Ontario	37	8,866	18,942	54,536	2,522	156,167	265,723	111,453	13	98	11,310	70,981	120,760
Manitoba	19	1,425	2,988	5,466	265	23,638	40,002	17,460	-	-	1,677	7,308	17,522
Saskatchewan	16	211	453	991	64	2,450	5,598	3,006	x	x	361	1,893	3,120
Alberta	15	313	673	1,260	94	3,112	7,403	3,831	x	x	508	2,367	4,292
British Columbia	3	10	19	41	3	159	323	141	-	-	17	74	147
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	105	11,332	24,248	64,216	3,074	190,199	328,332	140,615	18	114	14,498	85,252	150,839

TABLE 2. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON VALUE OF SHIPMENTS OF GOODS OF OWN MANUFACTURE, 1965 AND 1966

Size group	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.	'000			\$'000			\$'000		\$'000			
1965													
Under \$10,000	10	12	20	32	4	74	162	93	3	8	19	54	93
\$ 10,000 to \$ 24,999	6	17	32	52	4	112	219	137	5	20	22	70	137
25,000 " 49,999	11	50	102	176	12	517	846	400	3	13	66	246	411
50,000 " 99,999	13	118	238	396	28	968	1,938	989	1	10	152	541	1,071
100,000 " 199,999	25	380	786	1,343	95	3,939	7,144	3,458	-	-	489	2,024	3,719
200,000 " 499,999	10	338	751	1,403	93	3,318	7,154	3,885	2	21	489	2,377	4,427
500,000 " 999,999	11	989	2,166	3,933	230	11,879	25,802	15,145	-	-	1,287	5,745	15,870
1,000,000 " 4,999,999	10	8,695	18,214	48,925	2,181	141,865	241,834	102,636	-	-	10,959	63,311	109,624
5,000,000 and over	10	8,695	18,214	48,925	2,181	141,865	241,834	102,636	-	-	10,959	63,311	109,624
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	238	1,240	...
Totals	96	10,599	22,310	56,261	2,648	162,671	285,099	126,743	14	72	13,721	75,610	135,353
1966													
Under \$10,000	6	6	9	13	2	30	78	49	3	9	10	25	49
\$ 10,000 to \$ 24,999	5	11	21	30	2	67	177	113	4	15	15	47	120
25,000 " 49,999	15	50	101	183	12	458	1,012	564	8	35	70	269	593
50,000 " 99,999	17	112	240	405	32	1,245	2,614	1,444	x	x	150	586	1,486
100,000 " 199,999	28	379	812	1,568	99	3,935	7,956	3,983	-	-	496	2,292	4,272
200,000 " 499,999	11	380	811	1,486	117	4,540	7,830	3,594	-	-	493	2,217	3,776
500,000 " 999,999	14	1,514	3,297	6,445	345	15,223	33,858	18,081	x	x	2,049	9,810	20,523
1,000,000 " 4,999,999	9	8,880	18,956	54,086	2,465	164,700	274,808	112,787	-	-	10,973	68,631	120,020
5,000,000 and over	9	8,880	18,956	54,086	2,465	164,700	274,808	112,787	-	-	10,973	68,631	120,020
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	242	1,375	...
Totals	105	11,332	24,248	64,216	3,074	190,199	328,332	140,615	18	114	14,498	85,252	150,839

TABLE 3. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON MANUFACTURING VALUE ADDED, 1965 AND 1966

Size group	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.	'000			\$'000			\$'000		\$'000			
1965													
Under \$10,000	3	2	2	3	1	11	28	16	2	4	3	6	16
\$ 10,000 to \$ 24,999	12	27	51	78	7	262	367	130	6	23	36	106	130
25,000 " 49,999	12	50	102	185	12	593	990	447	3	13	68	249	458
50,000 " 99,999	16	124	252	425	35	1,362	2,496	1,176	1	10	160	617	1,233
100,000 " 199,999	19	325	671	1,173	85	2,856	5,413	2,616	-	-	418	1,758	2,905
200,000 " 499,999	11	285	629	1,113	75	3,246	6,310	3,287	2	21	396	1,805	3,661
500,000 " 999,999	7	417	865	1,573	86	4,589	9,325	4,816	-	-	558	2,467	5,141
1,000,000 " 4,999,999	10	1,683	3,639	7,541	357	26,438	47,033	22,697	-	-	2,187	10,443	24,445
5,000,000 and over	6	7,686	16,100	44,172	1,991	123,333	213,137	91,558	-	-	9,657	56,918	97,366
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	238	1,240	...
Totals	96	10,599	22,310	56,261	2,648	162,671	285,099	126,743	14	72	13,721	75,610	135,353
1966													
Under \$10,000	4	2	2	2	1	17	42	24	3	9	3	5	24
\$ 10,000 to \$ 24,999	6	15	29	41	2	83	187	104	5	20	19	55	105
25,000 " 49,999	18	55	110	194	17	677	1,369	648	7	30	75	275	683
50,000 " 99,999	17	120	252	466	40	1,581	2,993	1,330	x	x	162	677	1,443
100,000 " 199,999	22	293	631	1,139	62	2,879	5,814	3,168	-	-	384	1,708	3,349
200,000 " 499,999	15	453	972	1,843	142	5,038	9,262	4,473	-	-	591	2,716	4,691
500,000 " 999,999	5	293	607	1,219	67	4,042	7,481	3,605	-	-	412	2,131	3,317
1,000,000 " 4,999,999	11	1,668	3,562	7,518	388	20,999	39,302	17,503	x	x	2,113	10,129	19,223
5,000,000 and over	7	8,433	18,083	51,794	2,355	154,883	261,883	109,760	-	-	10,497	66,181	116,323
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	242	1,375	...
Totals	105	11,332	24,248	64,216	3,074	190,199	328,332	140,615	18	114	14,498	85,252	150,839

TABLE 4. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL VALUE ADDED, 1965 AND 1966

Size group	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partner		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000			\$'000		
1965													
Under \$10,000	3	2	2	3	1	11	28	16	2	4	3	6	16
\$ 10,000 to \$ 24,999	12	27	51	78	7	262	367	130	6	23	36	106	130
25,000 " 49,999	12	50	102	185	12	593	990	447	3	13	68	249	458
50,000 " 99,999	15	119	241	407	33	1,262	2,312	1,082	1	10	147	551	1,081
100,000 " 199,999	18	287	585	1,020	71	2,700	4,885	2,422	-	-	370	1,557	2,503
200,000 " 499,999	11	257	556	996	66	2,721	5,537	2,841	2	21	360	1,629	3,189
500,000 " 999,999	9	488	1,035	1,861	110	5,350	10,808	5,549	-	-	655	2,909	6,166
1,000,000 " 4,999,999	10	1,683	3,639	7,541	357	26,438	47,033	22,697	-	-	2,187	10,443	24,445
5,000,000 and over	6	7,686	16,100	44,172	1,991	123,333	213,137	91,558	-	-	9,657	56,918	97,366
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	238	1,240	...
Totals	96	10,599	22,310	56,261	2,648	162,671	285,099	126,743	14	72	13,721	75,610	135,353
1966													
Under \$10,000	4	2	2	2	1	17	42	24	3	9	3	5	24
\$ 10,000 to \$ 24,999	5	11	21	31	1	56	136	79	4	15	15	45	79
25,000 " 49,999	19	59	117	204	17	704	1,420	673	8	35	79	285	709
50,000 " 99,999	14	84	179	333	28	1,221	2,380	1,081	x	x	116	492	1,085
100,000 " 199,999	23	308	654	1,169	65	2,941	5,773	3,072	-	-	392	1,692	3,215
200,000 " 499,999	15	395	831	1,595	122	4,478	8,153	3,907	-	-	519	2,264	4,179
500,000 " 999,999	6	332	719	1,388	85	4,041	7,634	3,687	-	-	444	2,220	4,113
1,000,000 " 4,999,999	12	1,708	3,642	7,701	399	21,859	40,912	18,331	x	x	2,191	10,593	20,443
5,000,000 and over	7	8,433	18,083	51,794	2,355	154,883	261,883	109,760	-	-	10,497	66,181	116,993
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	242	1,375	...
Totals	105	11,332	24,248	64,216	3,074	190,199	328,332	140,615	18	114	14,498	85,252	150,839

TABLE 5. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL EMPLOYEES, 1965 AND 1966

Size group	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000			\$'000		
1965													
Under 5 employed	19	32	59	102	13	353	738	414	9	38	48	166	425
5- 14 "	26	161	331	601	49	2,311	3,859	1,666	3	13	219	940	1,722
15- 49 "	26	550	1,169	1,991	130	4,931	9,728	5,012	2	21	700	2,892	5,405
50- 99 "	9	451	952	1,809	108	4,735	10,726	6,141	-	-	644	2,986	6,726
100-199 "	5	505	1,082	2,014	121	7,256	14,804	8,566	-	-	668	2,996	8,681
200-499 "	5	1,214	2,618	5,572	236	19,752	32,106	13,385	-	-	1,547	7,472	15,029
500 employed and over	6	7,686	16,100	44,172	1,991	123,333	213,137	91,558	-	-	9,657	56,918	97,366
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	238	1,240	...
Totals	96	10,599	22,310	56,261	2,648	162,671	285,099	126,743	14	72	13,721	75,610	135,353
1966													
Under 5 employed	22	41	81	134	20	737	1,442	712	11	41	58	216	733
5- 14 "	28	160	344	652	52	2,450	4,826	2,434	5	22	226	1,057	2,469
15- 49 "	28	544	1,155	2,186	131	5,172	10,275	5,161	-	-	704	3,148	5,609
50- 99 "	11	606	1,300	2,561	147	7,257	14,345	7,425	2	51	808	3,919	8,161
100-199 "	4	429	906	1,542	105	4,517	9,877	4,953	-	-	531	2,147	5,265
200-499 "	6	1,516	3,298	6,927	326	24,512	42,307	18,061	-	-	1,887	9,356	19,533
500 employed and over	6	8,036	17,164	50,213	2,294	145,554	245,260	101,869	-	-	10,042	64,034	109,068
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	242	1,375	...
Totals	105	11,332	24,248	64,216	3,074	190,199	328,332	140,615	18	114	14,498	85,252	150,839

TABLE 6. PRINCIPAL STATISTICS CLASSIFIED BY TYPE OF ORGANIZATION, 1965 AND 1966

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.		'000							\$'000			\$'000	
<u>1965</u>													
Individual ownerships	} 10	53	112	220	11	376	930	514	14	72	61	265	512
Partnerships													
Incorporated companies	} 86	10,546	22,198	56,041	2,637	162,296	284,169	126,229	...	...	13,422	74,104	134,841
Co-operatives													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	238	1,240	...
Totals	96	10,599	22,310	56,261	2,648	162,671	285,099	126,743	14	72	13,721	75,610	135,353
<u>1966</u>													
Individual ownerships	} 15	90	214	418	15	1,055	2,643	1,713	18	114	102	472	1,718
Partnerships													
Incorporated companies	} 90	11,242	24,034	63,798	3,059	189,144	325,690	138,903	...	...	14,154	83,406	149,121
Co-operatives													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	242	1,375	...
Totals	105	11,332	24,248	64,216	3,074	190,199	328,332	140,615	18	114	14,498	85,252	150,839

TABLE 7. CALCULATION OF OUTPUT, INPUT AND VALUE ADDED, 1965 AND 1966

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1965	1966	1965	1966	1965	1966
	\$'000					
<u>Output</u>						
1. Shipments and other revenue	285,099	328,332	36,101	42,807	321,199	371,140
Inventories - Goods of own manufacture:						
Add closing - Goods in process	34,608	39,051	...	...	34,608	39,051
Finished goods	17,354	17,758	...	...	17,354	17,758
Deduct opening - Goods in process	30,789	34,557	...	...	30,789	34,557
Finished goods	14,209	16,697	...	...	14,209	16,697
2. Net inventory change	6,964	5,555	...	...	6,964	5,555
3. Gross output (1 + 2)	292,063	333,887	36,101	42,807	328,163	376,694
<u>Input</u>						
4. Purchases of goods not of own manufacture .....	...	...	26,401	33,066	26,401	33,066
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	10,265	9,772	10,265	9,772
Deduct closing .....	...	...	10,159	11,469	10,159	11,469
5. Cost of goods sold (not of own manufacture) .....	...	...	26,507	31,369	26,507	31,369
6. Materials, supplies, etc.	162,671	190,199	983	1,215	163,654	191,414
7. Fuel and electricity	2,648	3,074	...	...	2,648	3,074
8. Gross input (5 + 6 + 7)	165,319	193,273	27,490	32,584	192,809	225,857
Value added (3 - 8)	126,743	140,615	8,611	10,223	135,353	150,839

TABLE 8. EMPLOYMENT AND PAYROLL, 1965 AND 1966

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
	Male	Female	Male	Female											
	number										\$'000				
<u>1965</u>															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Quebec	367	1	-	-	60	13	25	-	452	14	1,399	-	431	181	
Ontario	8,451	39	81	-	1,718	364	217	53	10,467	456	47,981	408	13,306	1,588	
Manitoba	1,184	3	-	-	115	46	41	9	1,340	58	4,638	-	1,000	306	
Saskatchewan	196	-	1	-	31	11	67	12	295	23	738	5	257	432	
Alberta	347	-	2	-	86	17	126	21	561	38	1,462	10	548	849	
British Columbia	11	-	-	-	4	2	-	-	15	2	43	-	27	70	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	10,556	43	84	-	2,014	453	476	95	13,130	591	56,261	424	15,569	3,356	
<u>1966</u>															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	x	-	-	-	x	x	-	-	x	x	x	-	x	-	
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Brunswick	x	-	-	-	x	x	-	-	x	x	x	-	x	-	
Quebec	483	-	1	-	63	16	35	-	582	16	1,843	5	457	254	
Ontario	8,820	46	2	-	1,743	416	230	53	10,795	515	54,536	6	14,696	1,743	
Manitoba	1,422	3	-	-	129	57	58	8	1,609	68	5,466	-	1,356	485	
Saskatchewan	211	-	-	-	45	17	71	17	327	34	991	-	381	521	
Alberta	313	-	5	-	66	18	87	19	471	37	1,260	16	452	620	
British Columbia	10	-	-	-	5	2	-	-	15	2	41	-	33	74	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	11,283	49	8	-	2,052	528	481	97	13,824	674	64,216	27	17,387	3,622	

TABLE 9. EMPLOYEES IN MANUFACTURING OPERATIONS, 1965 AND 1966

Month	1965		1966	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	10,187	46	10,857	48
February	10,527	44	11,163	50
March	10,910	38	11,391	50
April	10,976	39	11,453	49
May	10,817	37	11,478	51
June	10,586	33	11,336	50
July	9,901	37	10,692	49
August	9,122	35	10,612	48
September	9,327	41	10,064	46
October	9,942	47	10,547	50
November	10,281	52	10,708	48
December	10,452	53	10,850	52
Averages	10,253	42	10,929	49
Establishments reporting annual averages (small establishments only)	303	1	353	-
Average for all establishments	10,556	43	11,283	49

TABLE 10. INVENTORIES, 1966

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	x	-	x	x	-	x
Nova Scotia	-	-	-	-	-	-
New Brunswick	x	-	x	x	-	x
Quebec	761	282	787	1,829	5	1,834
Ontario	13,334	31,432	11,178	55,944	9,658	65,602
Manitoba	2,512	2,533	2,315	7,359	55	7,414
Saskatchewan	438	60	996	1,493	31	1,524
Alberta	912	252	1,278	2,441	61	2,502
British Columbia	123	-	125	249	-	249
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	18,118	34,557	16,697	69,372	9,810	79,182
Closing						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	x	-	x	x	-	x
Nova Scotia	-	-	-	-	-	-
New Brunswick	x	-	x	x	-	x
Quebec	837	261	1,007	2,105	5	2,110
Ontario	18,278	35,007	12,022	65,307	11,017	76,324
Manitoba	3,281	3,516	2,692	9,489	139	9,628
Saskatchewan	820	77	900	1,797	41	1,838
Alberta	785	191	972	1,947	312	2,259
British Columbia	103	-	106	209	-	209
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	24,163	39,051	17,758	80,972	11,514	92,486

TABLE 11. FURNACE FUEL AND ELECTRICITY USED, 1965 AND 1966

Description	1965		1966	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Large establishments reporting commodity detail				
Bituminous coal:				
(a) From Canadian mines	ton	118	48	1
(b) Imported	"	31,048	33,409	323
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	150	2
lignite coal	"	220	147	1
Coke	"	51	77	2
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	600,233	743,108	272
Fuel oil including kerosene or coal oil	"	3,843,303	4,639,156	446
Wood	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	80,966	111,264	23
(b) Other manufactured gas	M cu. ft.	-	-	-
(c) Natural gas	"	882,840	1,061,072	724
Other fuel		-	-	-
Electricity purchased	kwh.	111,766,555	130,278,942	1,192
Steam purchased		-	-	-
2. Small establishments not reporting commodity detail				
Estimate for fuel and electricity		73		86
3. All establishments				
Total fuel and electricity used		2,648		3,074

TABLE 12. MATERIALS AND SUPPLIES - MANUFACTURING ACTIVITY, 1965 AND 1966

Description	1965		1966		
	Quantity	Cost	Quantity	Cost	
		\$'000		\$'000	
1. Materials used:					
Iron:					
Pig iron, all grades	ton	7,444	464	12,006	745
Castings (rough and semi-finished received from foundry):					
Iron (gray and malleable)	"	28,253	8,216	38,959	10,702
Steel	"	5,172	1,720	5,603	1,764
Steel, hot or cold rolled (except special alloy steel):					
Bars	"	72,337	11,915	79,814	13,524
Plates	"	17,738	2,552	18,398	2,755
Sheets, plain	"	62,663	9,095	70,620	10,040
Sheets, galvanized	"	10,146	1,470	11,219	1,791
Strip	"	7,231	1,126	5,902	940
Structural shapes (angles, channels, etc.)	"	13,442	2,299	13,707	2,260
Wire	"	863	189	909	196
Scrap iron and steel of all kinds .....		...	354	...	473
Pipe, tubing and fittings of iron and steel .....		...	4,430	...	5,264
Other iron and steel (except finished parts) .....		...	13,350	...	13,527
alloy steel:					
Carbon and alloy tool steels, including high-speed .....		...	31	...	28
Stainless steels .....		...	697	...	469
Other alloy steels .....		...	1,163	...	1,043
Other alloys .....		...	30	...	40
Non-ferrous metals (all forms, including scrap):					
Aluminum:					
Castings	pound	598,871	317	649,316	347
Sheet	"	207,775	92	145,700	79
Other forms	"	28,897	18	85,987	31
Brass and bronze	"	137,947	97	266,025	170
Lead	"	-	-	6,000	1
Zinc	"	364,875	64	462,492	84
Babbitt metal and solder	"	32,757	26	55,577	46
Other non-ferrous metals .....		...	330	...	309
Other materials and supplies:					
Paints, oils and varnishes .....		...	1,494	...	1,641
Foundry coke (used in cupola, not for heat or power)	ton	2,739	107	3,364	132
Foundry sands	"	3,673	40	4,677	46
Lumber	M ft. b.m.	3,114	354	3,320	429
Fireclay	ton	555	14	660	16
Cupola blocks and firebrick .....		...	61	...	74
Core oil	Imp. gal.	8,906	8	15,384	13
All other materials and components used(1) .....		...	93,215	...	111,862
2. Containers other packaging materials and supplies used					
3. Operating, maintenance and repair supplies used (excluding fuels)					
4. Amount paid out to others for work done on materials owned by establishments					
Totals .....		...	162,671	...	190,199

(1) No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$3,858,753 in 1965 and \$3,779,652 in 1966.

TABLE 13. SHIPMENTS OF GOODS OF OWN MANUFACTURE, 1965 AND 1966

Description	1965		1966	
	Quantity number	Value \$'000	Quantity number	Value \$'000
I. Production:				
Planting, seeding and fertilizing machinery:				
Corn planters, tractor-drawn and tractor-mounted .....	...	(1)	...	(1)
Transplanters .....	...	(1)	...	(1)
Grain and fertilizer drills (combination) .....	...	(1)	...	(1)
Grain drills, plain and press .....	...	(1)	...	(1)
Manure spreaders .....	...	(1)	...	(1)
All other planting, seeding and fertilizing machines .....	...	12,467	...	13,852
Plows:				
Mouldboard plows, tractor-drawn or tractor-mounted	(2)	(2)	(2)	(2)
Disc plows, tractor-drawn	(2)	(2)	-	-
Diskers (flexible gang)	(2)	(2)	(2)	(2)
All other plows	24,054	11,036	21,772	11,354
Tilling, cultivating and weeding machines:				
Harrow:				
Drag (sections)	43,197	457	33,907	522
Spring-tooth (sections)	6,887	294	4,255	217
Disc, tractor-drawn or mounted	6,313	2,264	6,637	2,305
Soil packers	9,498	732	7,403	693
Field cultivators:				
Tractor-drawn	18,552	9,228	19,796	10,022
Tractor-mounted .....	...	32	...	(3)
Rod weeders .....	...	(3)	3,475	2,311
Other tilling, cultivating and weeding machines .....	...	5,389	...	2,866
Haying machinery:				
Mowers, tractor-drawn or mounted .....	...	(4)	...	(4)
Side rakes and tedders .....	...	(4)	...	(4)
All other haying machinery (including hay balers, hay carriers, etc.) .....	...	15,967	...	15,864
Harvesting machinery:				
Combine reaper-threshers and stationary threshers .....	...	(5)	...	(5)
Swathers and windrows	16,842	23,409	17,023	25,000
Potato diggers, horse or tractor-drawn .....	...	(5)	...	(5)
All other harvesting machines (including headers, push harvesters) .....	...	9,314	...	14,100
Machines for preparing crops for market or use:				
Grain grinders	1,101	245	684	134
Fanning mills or grain cleaners	584	706	565	731
Hammermills .....	...	(6)	...	(6)
Grain elevators	9,760	1,620	9,810	2,004
All other machines for preparing crops for market or use .....	...	692	...	377
Spraying and dusting equipment:				
All types (including attachments) .....	...	2,463	...	2,678
Farm wagons, trucks and sleighs:				
Wagon boxes .....	...	(7)	...	(7)
Wagon gears (standard)	18,320	2,982	24,391	3,888
Porage boxes	2,109	472	3,001	356
All other farm wagons, sleighs and trucks .....	...	988	...	211
Dairy machinery and equipment, including cream separators, milking machines, etc. ....	...	(5)	...	(5)
Miscellaneous farm implements and machinery .....	...	92,720	...	114,905
Parts and accessories for farm implements and machinery .....	...	16,851	...	21,463
Total farm machinery and parts .....	...	211,310	...	246,329
All other products .....	...	74,061	...	81,538
2. Amount received in payment for work done on materials and products owned by others ....	...	58	...	770
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(329)	...	(305)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
Total adjusted value of shipments and work done .....	...	285,099	...	328,332

(1) Included with "All other planting, seeding and fertilizing machines".
 (2) Included with "All other plows".
 (3) Included with "Other tilling, cultivating and weeding machines".
 (4) Included with "All other haying machinery".
 (5) Included with "Miscellaneous farm implements and machinery".
 (6) Included with "All other machines for preparing crops".
 (7) Included with "All other farm wagons".

TABLE 14. SHIPMENTS OF SELECTED GOODS OF OWN MANUFACTURE - ALL INDUSTRIES, 1961-66

(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Plows

Year	Number	Value	Year	Number	Value
		\$'000			\$'000
1961	20,845	7,202	1964	x	x
1962	x	x	1965	x	x
1963	x	x	1966 .....	..	6,209

B. Harrows

Year	Number	Value	Year	Number	Value
		\$'000			\$'000
1961	43,636	3,407	1964	x	x
1962	43,758	2,688	1965	56,397	3,015
1963	65,304	2,991	1966	44,799	3,045

C. One-way Discs, Harrow-plows and Tiller-combines

Year	Number	Value	Year	Number	Value
		\$'000			\$'000
1961	2,740	3,747	1964	7,729	6,649
1962	3,913	2,801	1965	8,143	7,098
1963	7,237	5,362	1966	5,309	5,146

D. Cultivators

Year	Number	Value	Year	Number	Value
		\$'000			\$'000
1961	11,267	4,100	1964	17,107	6,822
1962	12,233	3,559	1965	22,187	10,198
1963	15,697	5,037	1966	25,416	11,684

E. Rod Weeders

Year	Number	Value	Year	Number	Value
		\$'000			\$'000
1962	7,370	1,995	1965	6,408	2,928
1963	5,881	2,193	1966	3,475	2,311
1964	4,839	2,184			

F. Factory Shipments of Agricultural Implements and Parts, 1957-66

Year	Factory shipments	Year	Factory shipments
			\$'000
1957	117,896	1962	122,546
1958	129,088	1963	155,029
1959	151,974	1964	190,927
1960	140,695	1965	220,476
1961	120,795	1966	258,008

Note: In Table 14 F shipments values are computed at factory selling prices.

LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1966

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
<u>Prince Edward Island</u>	
Allan, Donald S.	West Cove Head
Stewart, Bruce Ltd.	Lower Water St., Charlottetown
<u>New Brunswick</u>	
Thomas Brothers	Centreville
<u>Quebec</u>	
DeLorme, Hector & Fils Inc.	Farnham
Desjardins Limitée	St-André-de-Kamouraska
Dion Frères Inc.	Ste-Thérèse-de-Blainville
Houle & Fils Inc.	St-Jean-de-Wickham
LaCie Hydrolic Vincent Ltée	La Valeren
La Cie R.A. Lajoie Ltée	St-Pie
La Compagnie Jutrae Ltée	Victoriaville
La Machinerie Idéale Cie Ltée	St-Césaire
Lemay, Armand & Fils Ltée	St-Basile-le-Grand
Machinerie Iberville Cie Ltée	R.R. 2, Iberville
Safeway Farm Equipment Co. Limited	Rougemont
Ventilateur Victoria Ltée	109 boul. Gamache, Victoriaville
<u>Ontario</u>	
Baertsoen, Manufacturing	R.R. 5, Ayimer
Balthe's Farm Equipment Mfg. Ltd.	Tillsonburg
Blenheim Manufacturing Ltd.	Blenheim
Canadian Hydroponics Ltd.	Tillsonburg
Cockshutt Farm Equipment of Canada Ltd.	Brantford
Deere, John Welland Works of John Deere Limited	Welland
De Laval Company Limited	Peterborough
Delhi Foundry & Farm Machinery Limited	Delhi
Eagle Tie Machine Co.	530 Adelaide St., London
Ebersol Farm Equipment Co. Limited	Milverton
Enright Metal Products	Preston
Grace Potato Harvesters Ltd.	Heidelberg
Groh's Cooler Limited	Preston
Harris Manufacturing	Jarvis
Incor Farm Equipment	Clifford
International Harvester Co. of Canada Ltd.	Sherman Ave., Hamilton
Jackson's Manufacturing & Machinery Ltd.	Tillsonburg
Jamesway Co. Limited	Preston
Kelvin - Thompson Co. Ltd. The	St. Mary's
Lilliston - Canada Ltd.	1444 Speer Rd., Oakville
Lobsinger Bros. Ltd.	Mildmay
Martin Metals	R.R. 2, Waterloo
McKee Bros. Ltd.	Elmira
Massey Ferguson Industries Ltd.	915 King St. W., Toronto 3
Massey Ferguson Industries Ltd.	Woodstock
Massey Ferguson Industries Ltd. (Verity Plant)	Brantford
Massey Ferguson (Brantford) Ltd.	Brantford
National Ideal Co., The	290 Hamilton Rd., New Hamburg
Prometals Limited	Dutton
Rittenhouse, M.K. & Sons Limited	Jordan Station
Sedore, Ernest & Son	Mount Albert
Smale, W.R. Co. Ltd.	Mossley
Snyder, C.H.	Copetown
South Shore Mfg. Co. Ltd.	West Lorne
Swanson Sprayer Mfg.	Clarksburg
Tomen Manufacturing Co. Ltd.	Hwy. 40, Chatham
Turco Ltd.	2DI Marlborough St., Blenheim
White Geo. & Sons Co. Ltd.	Cabell St., London
<u>Manitoba</u>	
Agristee Fabricators Ltd.	214 Main St., Minnedosa
Canadian Co-operative Implements Ltd.	601 Bowman Ave., East Kildonan
Cascade Brothers Ltd.	Richmond Ave., Brandon
Continental Distributors	501 Furby St., Winnipeg
Forever Industries Limited	1006 Nairn Ave., Winnipeg
Imperial Steel Products Ltd.	9DI Madison St., St. James
Inland Steel & Forgings (1962) Ltd.	675 Washington Ave., Winnipeg
Jones, C. & J. Ltd.	235 Archibald St., St. Boniface
Kendon Equipment Co.	500 Jarvis Ave., Winnipeg
Killbery Industries Ltd.	616 Roseberry St., St. James
Loewen Mfg. Co. Ltd.	Altona
Maico Mfg. Div. of Alco Equipment Ltd.	50 Panet Rd., St. Boniface
Markwill Industries Ltd.	2477 Day St., Winnipeg 25
Morris Welding & Iron Works Ltd.	Hwy. 75, Morris
Northern Equipment Limited	Portage La Prairie
Simon-Day Ltd. (Hart Emerson Simon Div.)	1425 Whyte Ave., Winnipeg
Standard Gas Engine Works Limited	Morden
Versatile Mfg. Ltd.	1260 Clarence Ave., Fort Garry
Westfield Industries Ltd.	Morris

LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1966 - Concluded

Name	Location
<u>Saskatchewan</u>	
Brandt Machine & Mfg. Ltd.	705 Toronto St., Regina
Brown Industries Ltd.	Redburn
Bussière, R. & Sons Rockomatic Ltd.	Vonda
Craik Mfg. Co. Ltd.	Craik
Crown Implement Mfrs. Ltd.	340 Industrial Drive, Sherwood
Dalcon Industries Ltd.	Lethbridge
Degelman Industries Ltd.	480 Industrial Drive, Sherwood
Doepker Industries Ltd.	Annaheim
Flexi-Coil Dist. Ltd.	2326 Miller Ave., Saskatoon
Flexi-Coil Land Packers Ltd.	2326 Miller Ave., Saskatoon
Fibro Industries Ltd.	410 Quebec St., Regina
Imperial Welding & Machine Ltd.	Imperial
Ingham Industries Ltd.	Lanigan
McIntyre's	Swift Current
Morris Rod Wedder & Co. Ltd.	Yorkton
Nodge Manufacturing Co.	Swift Current
<u>Alberta</u>	
Cavalier Manufacturing Co. Ltd.	Black Diamond
Diamond Manufacturing Co. Ltd.	Claresholm
Edwards Rod Weeder Ltd.	3102 - 5th Ave., N., Lethbridge
Flexa-Hoppers Ltd.	Welling
Golden Arrow Manufacturing Ltd.	1439 - 17th Ave. S.E., Calgary
Hanna Manufacturing Ltd.	Hanna
Kirchner Machine Ltd.	Lethbridge
McCoy-Renn Mfg. Ltd.	419 - 34th S.E., Calgary
Noble Cultivators Ltd.	Nobleford
Pelon Industries Ltd.	Carstairs
Perfection Chaffers Mfg.	Raymond
Rotary Plow Co. Ltd.	4515 - 6th St. N.E., Calgary
Success Automatic Land Leveller Co. Ltd.	Medicine Hat
Victory Equipment Ltd.	Lethbridge
Williamson Mfg. Ltd.	Red Deer
<u>British Columbia</u>	
A & S Manufacturing Ltd.	R.R. 1., Winfield
Chanagan Turbo Sprayers Ltd.	Penticton
Wasmans-Hauff Ltd.	Summerland

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