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MISCELLANEOUS METAL FABRICATING INDUSTRIES

1966

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MISCELLANEOUS METAL FABRICATING INDUSTRIES
(S.I.C. 3090)

1966

For statistical purposes the industry titled Miscellaneous Metal Fabricating Industries (S.I.C. 3090) in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing metal products not elsewhere classified, such as weather stripping, guns, collapsible tubes, machinery fittings, plumber's goods (including enamelled plumbing fixtures), safes and vaults, and forgings such as chains, (except tire chains, see Industry No. 305 - Wire and Wire Products Manufacturers), anchors and axles. Also included are establishments primarily engaged in fabricating bars and rods for reinforcing concrete.

An analysis of the principal statistics for this industry indicates that the following changes occurred between 1965 and 1966. The value of shipments of products of own manufacture increased by 11.7 per cent, the gross output increased by 10.5 per cent and the total cost of materials used in products of own manufacture increased by 10.3 per cent. The ratio of cost of materials used to gross output was 49 per cent for 1965 and 48.6 per cent for 1966. The ratio of value added to gross output was 50 per cent for 1965 and 1966.

Some of the products included in the "all other" category were decorative metal and wire goods, fittings, expansion joints, automotive accessories, flexible tubing, home workshop tools, steel strapping, decorative trim, materials handling equipment, radiators boilers and warm air furnaces.

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	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	
<u>1961</u>													
Totals	331	10,978	22,680	43,993	4,006	95,269	218,745	118,023	94	368	15,249	66,442	122,839
<u>1962</u>													
Totals	338	11,781	24,413	48,550	4,389	108,320	243,538	133,675	88	362	16,283	72,377	137,479
<u>1963</u>													
Totals	343	12,469	26,407	53,212	4,569	123,032	265,142	141,196	89	372	16,627	77,209	147,255
<u>1964</u>													
Totals	384	13,589	28,950	60,482	5,044	145,460	306,095	158,130	108	494	18,088	87,041	164,584
<u>1965</u>													
Newfoundland	2												
Prince Edward Island	-												
Nova Scotia	2	836	1,902	3,789	489	8,747	17,034	8,519	-	-	1,047	4,839	9,110
New Brunswick	2												
Quebec	69	2,476	5,505	11,713	714	21,061	46,045	26,194	21	86	3,350	16,867	27,250
Ontario	269	10,367	21,661	47,350	4,063	132,861	264,564	132,241	58	311	13,673	67,907	138,434
Manitoba	14	597	1,289	2,694	167	8,560	14,533	7,680	7	25	821	3,930	7,884
Saskatchewan	5	71	151	314	21	340	1,000	648	x	x	93	510	977
Alberta	14	187	386	764	45	1,449	3,120	1,624	x	x	230	989	1,716
British Columbia	45	628	1,247	3,081	208	6,856	13,462	6,801	6	28	803	4,162	7,177
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	422	15,162	32,141	69,706	5,707	179,874	359,758	183,888	96	470	20,017	99,204	192,546
<u>1966</u>													
Newfoundland	2	x	x	x	x	x	x	x	-	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	3	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	3	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	74	2,718	5,888	13,084	813	24,311	55,079	31,205	16	70	3,635	18,836	33,221
Ontario	276	11,059	23,078	53,356	4,284	145,841	289,213	145,228	44	289	14,635	76,596	151,523
Manitoba	14	650	1,403	2,965	189	8,209	17,776	8,727	6	15	889	4,357	9,002
Saskatchewan	5	x	x	x	x	x	x	x	-	-	x	x	x
Alberta	13	174	354	737	41	1,443	3,140	1,673	-	-	215	976	1,745
British Columbia	46	682	1,354	3,501	229	7,269	15,446	7,881	5	20	859	4,812	8,430
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	436	16,259	34,236	78,208	6,153	198,470	401,972	203,712	71	394	21,431	111,422	213,581

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	13	2	4	6	4	30	91	57	11	25	4	10	57
\$ 10,000 to \$ 24,999	28	26	54	88	10	145	478	324	25	99	33	116	327
25,000 " 49,999	46	98	197	350	40	667	1,737	1,058	30	143	125	458	1,061
50,000 " 99,999	51	215	432	828	67	1,464	3,627	2,154	18	121	281	1,129	2,153
100,000 " 199,999	68	596	1,226	2,417	246	4,278	9,578	5,276	11	72	792	3,463	5,696
200,000 " 499,999	80	1,236	2,527	5,052	356	11,583	24,462	12,866	1	10	1,622	7,539	13,905
500,000 " 999,999	52	1,503	3,280	6,648	551	19,962	37,432	18,674	-	-	2,005	9,934	19,350
1,000,000 " 4,999,999	70	6,676	14,103	29,348	2,329	82,779	161,662	79,089	-	-	8,918	42,801	84,691
5,000,000 and over	14	4,810	10,317	24,969	2,104	58,966	120,692	64,390	-	-	6,200	33,506	65,325
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	37	248	(18)
Totals	422	15,162	32,141	69,706	5,707	179,874	359,758	183,888	96	470	20,017	99,204	192,546
1966													
Under \$10,000	13	1	2	3	3	26	82	50	11	27	3	9	50
\$ 10,000 to \$ 24,999	25	26	52	91	12	171	450	279	11	49	41	151	320
25,000 " 49,999	46	93	187	361	38	697	1,747	1,019	25	123	128	509	1,016
50,000 " 99,999	43	179	365	707	51	1,296	3,208	1,858	14	115	238	990	1,944
100,000 " 199,999	65	521	1,075	2,217	246	4,144	9,671	5,471	9	62	713	3,276	5,962
200,000 " 499,999	97	1,429	2,997	6,373	461	15,051	31,358	16,391	1	18	1,845	9,071	17,291
500,000 " 999,999	53	1,482	3,135	6,403	457	19,168	37,260	18,234	-	-	1,957	9,656	19,832
1,000,000 " 4,999,999	76	6,508	13,854	30,864	2,458	90,150	169,879	79,895	-	-	8,748	44,912	85,095
5,000,000 and over	18	6,018	12,567	31,187	2,429	67,766	148,319	80,515	-	-	7,717	42,509	82,063
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	41	340	(12)
Totals	436	16,259	34,236	78,208	6,153	198,470	401,972	203,712	71	394	21,431	111,422	211,584

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	23	9	20	30	7	86	232	137	17	45	13	42	139
\$ 10,000 to \$ 24,999	50	73	148	265	33	658	1,513	844	38	170	94	341	848
25,000 " 49,999	63	247	506	910	90	2,517	4,757	2,241	29	172	324	1,266	2,233
50,000 " 99,999	71	582	1,204	2,358	212	5,766	11,096	5,203	11	73	805	3,583	5,934
100,000 " 199,999	70	1,065	2,165	4,289	343	10,457	20,598	10,400	1	10	1,365	6,141	11,010
200,000 " 499,999	57	1,468	3,110	6,257	529	20,316	37,759	17,802	-	-	1,990	9,777	19,458
500,000 " 999,999	42	2,521	5,496	11,696	860	37,290	65,918	28,789	-	-	3,422	17,147	30,430
1,000,000 " 4,999,999	40	5,961	12,609	26,623	2,233	73,233	144,884	73,858	-	-	7,854	37,677	77,551
5,000,000 and over	6	3,236	6,883	17,278	1,401	29,551	73,003	44,615	-	-	4,113	22,982	44,961
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	37	248	(18)
Totals	422	15,162	32,141	69,706	5,707	179,874	359,758	183,888	96	470	20,017	99,204	192,546
1966													
Under \$10,000	23	8	16	24	7	108	244	123	16	44	15	45	136
\$ 10,000 to \$ 24,999	50	80	162	293	42	1,142	2,044	848	25	125	125	488	970
25,000 " 49,999	44	153	309	622	48	1,225	2,820	1,563	14	75	202	848	1,640
50,000 " 99,999	72	452	935	1,937	236	4,975	10,429	5,338	16	150	642	2,955	5,852
100,000 " 199,999	75	1,009	2,099	4,463	346	12,231	23,097	10,799	-	-	1,302	6,301	11,366
200,000 " 499,999	81	2,118	4,479	9,159	668	26,338	50,983	24,905	-	-	2,746	13,497	27,333
500,000 " 999,999	43	2,326	5,018	11,509	941	40,287	73,258	32,754	-	-	3,208	17,274	33,905
1,000,000 " 4,999,999	42	6,608	13,932	31,446	2,414	81,406	160,098	79,748	-	-	8,839	45,562	84,400
5,000,000 and over	6	3,505	7,285	18,754	1,451	30,760	79,000	47,634	-	-	4,311	24,112	48,130
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	41	340	(12)
Totals	436	16,259	34,236	78,208	6,153	198,470	401,972	203,712	71	394	21,431	111,422	213,584

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	22	8	18	28	7	83	220	129	17	45	11	37	129
\$ 10,000 to \$ 24,999	50	73	148	265	33	653	1,494	830	36	160	95	344	833
25,000 "	64	248	508	912	90	2,526	4,788	2,263	31	182	325	1,268	2,259
50,000 "	62	493	1,012	1,981	180	4,219	8,811	4,504	9	57	648	2,750	4,565
100,000 "	73	1,063	2,176	4,317	336	9,096	19,351	10,243	3	26	1,363	6,168	10,891
200,000 "	61	1,424	3,020	6,025	512	21,594	39,168	18,101	-	-	1,956	9,535	19,143
500,000 "	42	2,585	5,594	11,601	905	32,408	60,511	28,137	-	-	3,472	17,178	29,988
1,000,000 "	42	6,032	12,783	27,298	2,242	79,744	152,412	75,067	-	-	7,997	38,695	79,796
5,000,000 and over	6	3,236	6,883	17,278	1,401	29,551	73,003	44,615	-	-	4,113	22,982	44,961
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	37	248	(18)
Totals	422	15,162	32,141	69,706	5,707	179,874	359,758	183,888	96	470	20,017	99,204	192,546
1966													
Under \$10,000	22	6	12	18	7	104	234	117	15	41	13	39	120
\$ 10,000 to \$ 24,999	48	77	155	280	36	690	1,525	800	26	128	108	409	823
25,000 "	45	154	311	622	47	1,190	2,778	1,547	14	75	205	856	1,597
50,000 "	66	404	841	1,723	222	4,981	9,906	4,793	15	132	563	2,546	4,900
100,000 "	79	1,002	2,079	4,430	343	11,028	21,916	10,796	1	18	1,294	6,251	11,300
200,000 "	80	2,028	4,297	8,738	587	25,721	48,845	23,350	-	-	2,642	12,919	25,397
500,000 "	47	2,424	5,223	11,985	1,028	41,735	75,941	33,977	-	-	3,285	17,758	35,829
1,000,000 "	43	6,659	14,032	31,659	2,432	82,261	161,826	80,699	-	-	8,969	46,917	85,527
5,000,000 and over	6	3,505	7,285	18,754	1,451	30,760	79,000	47,634	-	-	4,311	24,112	48,100
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	41	340	(12)
Totals	436	16,259	34,235	78,208	6,153	198,470	401,972	203,712	71	394	21,431	111,422	213,581

TABLE 5. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL EMPLOYED, 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	96	128	260	462	65	1,382	3,244	1,830	70	321	173	662	1,850
5-14 "	118	730	1,503	3,074	273	8,696	17,759	9,086	22	125	987	4,564	9,370
15-49 "	123	2,442	5,052	10,200	854	32,168	62,220	30,709	4	24	3,259	15,308	32,788
50-99 "	36	1,910	4,215	9,025	765	36,565	63,250	26,469	-	-	2,536	13,291	28,099
100-199 "	26	2,742	5,840	12,506	1,034	36,668	68,730	32,677	-	-	3,703	17,986	33,919
200-499 "	18	4,175	8,817	18,171	1,350	36,076	78,570	44,609	-	-	5,617	26,560	47,695
500 employed and over	5	3,035	6,455	16,269	1,365	28,320	65,985	38,508	-	-	3,705	20,587	38,844
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	37	248	(18)
Totals	422	15,162	32,141	69,706	5,707	179,874	359,758	183,888	96	470	20,017	99,204	192,546
1966													
Under 5 employed	96	130	262	508	64	1,606	3,605	1,985	53	272	192	786	2,134
5-14 "	114	709	1,479	3,140	333	9,851	19,302	9,271	15	110	979	4,663	9,585
15-49 "	134	2,623	5,523	11,768	939	36,326	70,112	34,234	3	12	3,487	17,520	37,273
50-99 "	40	2,214	4,662	10,963	725	43,775	74,993	30,706	-	-	2,831	15,504	31,440
100-199 "	25	2,327	5,060	10,584	821	32,998	64,924	32,339	-	-	3,267	16,022	33,682
200-499 "	22	5,089	10,708	24,156	1,909	45,483	98,345	52,959	-	-	6,802	34,952	56,905
500 employed and over	5	3,167	6,522	17,089	1,362	28,431	70,691	42,218	-	-	3,832	21,636	42,574
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	41	340	(12)
Totals	436	16,259	34,236	78,208	6,153	198,470	401,972	203,712	71	394	21,431	111,422	213,581

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			\$'000		
1965													
Individual ownerships	51	93	188	350	36	853	1,928	1,044	52	244	97	360	1,045
Partnerships	19	62	124	229	23	511	1,191	659	44	226	66	244	692
Incorporated companies	352	15,007	31,829	69,127	5,648	178,509	356,639	182,186	...	...	19,817	98,353	190,827
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	37	248	(18)
Totals	422	15,162	32,141	69,706	5,707	179,874	359,758	183,888	96	470	20,017	99,204	192,546
1966													
Individual ownerships	43	77	154	326	32	752	1,709	916	42	214	82	353	954
Partnerships	13	40	83	174	16	357	896	532	29	180	40	174	540
Incorporated companies	380	16,142	33,998	77,708	6,105	197,361	399,367	202,264	...	...	21,268	110,555	212,099
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	41	340	(12)
Totals	436	16,259	34,236	78,208	6,153	198,470	401,972	203,712	71	394	21,431	111,422	213,581

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					
Output						
1. Shipments and other revenue	359,758	401,972	35,816	48,618	395,575	450,590
Inventories - Goods of own manufacture:						
Add closing - Goods in process	28,549	30,325	...	...	28,549	30,325
Finished goods	24,140	27,853	...	...	24,140	27,853
Deduct opening - Goods in process	20,543	28,042	...	...	20,543	28,042
Finished goods	22,436	23,774	...	...	22,436	23,774
2. Net inventory change	9,710	6,362	...	...	9,710	6,362
3. Gross output (1 + 2)	369,468	408,334	35,816	48,618	405,285	456,952
Input						
4. Purchases of goods not of own manufacture .....	...	...	26,528	36,374	26,528	36,374
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	5,298	7,195	5,298	7,195
Deduct closing .....	...	...	6,514	7,796	6,514	7,796
5. Cost of goods sold (not of own manufacture) .....	...	...	25,312	35,773	25,312	35,773
6. Materials, supplies, etc.	179,874	198,470	1,847	2,975	181,721	201,445
7. Fuel and electricity	5,707	6,153	...	...	5,707	6,153
8. Gross input (5 + 6 + 7)	185,581	204,623	27,159	38,748	212,740	243,371
Value added (3 - 8)	183,888	203,712	8,657	9,870	192,546	213,581

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	Manufacturing	Other			
	Male	Female	Male	Female											
	number										\$'000				
<u>1965</u>															
Newfoundland															
Prince Edward Island															
Nova Scotia	831	5	-	-	132	52	19	8	982	65	3,789	-	856	193	4,839
New Brunswick															
Quebec	2,293	183	-	-	560	181	99	34	2,952	398	11,713	-	4,244	910	16,867
Ontario	9,012	1,355	3	-	1,849	750	605	99	11,469	2,204	47,350	10	15,670	4,878	67,907
Manitoba	591	6	2	-	166	39	17	-	776	45	2,694	14	1,092	130	3,930
Saskatchewan	71	-	-	-	15	5	2	-	88	5	314	-	178	19	510
Alberta	185	2	-	-	33	7	3	-	221	9	764	-	212	13	989
British Columbia	616	12	7	-	114	41	12	1	749	54	3,081	19	972	70	4,162
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	13,599	1,563	12	-	2,869	1,075	757	142	17,237	2,780	69,706	63	23,223	6,213	99,204
<u>1966</u>															
Newfoundland	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x
New Brunswick	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Quebec	2,546	172	-	-	588	194	100	34	3,235	400	13,084	10	4,814	928	18,836
Ontario	9,575	1,484	33	-	1,934	811	683	115	12,225	2,410	53,356	184	17,403	5,652	76,596
Manitoba	641	9	-	-	150	51	38	-	829	60	2,965	-	1,149	243	4,357
Saskatchewan	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x
Alberta	174	-	-	-	33	7	1	-	208	7	737	-	235	4	976
British Columbia	666	16	-	-	111	45	19	2	796	63	3,501	-	1,170	141	4,812
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	13,575	1,484	34	-	2,975	1,166	845	152	18,429	3,002	78,208	194	26,023	6,997	111,422

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	11,355	1,422	13,174	1,479
February	11,546	1,432	13,267	1,524
March	11,719	1,472	13,353	1,539
April	11,852	1,447	13,448	1,561
May	12,153	1,526	13,594	1,605
June	12,614	1,605	13,860	1,664
July	12,562	1,428	13,147	1,489
August	12,865	1,444	13,199	1,584
September	12,836	1,455	12,935	1,582
October	12,900	1,478	13,009	1,666
November	12,959	1,509	12,926	1,697
December	12,862	1,520	12,781	1,656
Averages	12,368	1,480	13,233	1,589
Establishments reporting annual averages (small establishments only)	1,231	83	1,342	95
Average for all establishments	13,599	1,563	14,575	1,684

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						
<u>Opening</u>						
Newfoundland	x	x	x	x	x	x
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	-	x
New Brunswick	x	x	x	x	x	x
Quebec	4,477	6,517	3,924	14,918	1,224	16,142
Ontario	25,328	15,290	17,868	58,486	4,642	63,128
Manitoba	3,356	3,674	207	7,238	476	7,714
Saskatchewan	x	x	x	x	x	x
Alberta	183	36	120	339	31	370
British Columbia	1,315	692	750	2,758	238	2,996
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	36,859	28,042	23,774	88,675	7,195	95,870
<u>Closing</u>						
Newfoundland	x	x	x	x	x	x
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	-	x
New Brunswick	x	x	x	x	x	x
Quebec	3,362	7,453	4,237	15,053	1,492	16,545
Ontario	27,517	17,738	21,561	66,816	4,981	71,797
Manitoba	3,125	3,070	160	6,355	444	6,800
Saskatchewan	x	x	x	x	x	x
Alberta	199	28	145	372	30	402
British Columbia	1,282	502	874	2,658	333	2,992
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	37,746	30,325	27,853	95,925	7,796	103,721

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

Description	1965		1966	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
<u>1. Large establishments reporting commodity detail</u>				
Bituminous coal:				
(a) From Canadian mines	ton	2,317	29	1,122
(b) Imported	"	17,457	208	20,890
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	-	163
Lignite coal	"	10	-	-
Coke	"	5	-	4
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	803,996	307	869,783
Fuel oil including kerosene or coal oil	"	10,924,157	1,226	10,632,114
Wood	cord	20	-	39
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	77,721	24	139,895
(b) Other manufactured gas	M cu. ft.	-	-	-
(c) Natural gas	"	2,002,590	1,338	2,215,560
Other fuel				
Electricity purchased	kwh.	193,490,942	2,026	221,225,870
Steam purchased			70	
<u>2. Small establishments not reporting commodity detail</u>				
Estimate for fuel and electricity			465	536
<u>3. All establishments</u>				
Total fuel and electricity used			5,707	8,133

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

Description	1965		1966		
	Quantity	Cost \$'000	Quantity	Cost \$'000	
1. Materials used:					
Coatings (rough and semi-finished received from foundry):					
Iron (gray and malleable)	ton	10,280	3,314	11,998	4,074
Steel	"	8,262	4,466	8,521	4,455
Iron:					
Pig iron	"	18,020	1,095	13,267	872
Steel:					
Bars and rods	"	269,819	34,676	280,650	36,864
Pipe and fittings	"	...	7,047	...	9,123
Plates	ton	23,780	4,321	36,757	6,002
Sheets:					
Black	"	12,908	1,984	20,999	3,313
Galvanized	"	3,585	702	3,755	732
Strip	"	4,746	987	10,547	2,117
Structural shapes	"	15,618	2,859	16,995	3,046
Wire	"	10,489	1,936	10,090	1,950
Alloy steel in all forms:					
Stainless:					
Billets, bars and rods	"	...	485	...	692
Other	"	...	7,419	...	5,943
Other alloy and tool steel (including carbon, alloy and high speed steels):					
Billets, bars and rods	"	...	1,573	...	2,390
Other	"	...	2,329	...	1,840
Scrap iron and steel:					
Purchased	ton	38,477	1,552	40,407	1,675
Own make (tonnage only)	"	9,199	...	11,738	...
Other iron and steel	"	...	2,501	...	4,104
ferro-alloys	"	...	223	...	325
Non-ferrous metals:					
Aluminum:					
Coatings	lb.	2,117,948	1,575	2,085,678	1,535
Sheet	"	1,469,136	767	1,950,069	1,020
Other forms	"	9,553,362	4,269	12,806,912	5,550
Brass and bronze	"	63,268,636	26,296	55,521,078	27,689
Copper:					
Sheet	"	657,174	376	605,042	402
Wire	"	378,671	210	383,067	247
Other forms	"	2,297,147	1,283	2,214,182	1,389
Lead	"	4,040,196	706	4,396,837	782
Nickel	"	179,834	175	285,203	284
Tin	"	239,638	403	212,035	397
Zinc	"	2,506,108	551	3,070,267	702
Babbitt metals and solders	"	249,355	187	476,325	432
Other non-ferrous metals	"	...	377	...	719
Paints, oils and varnishes	"	...	603	...	818
Foundry coke	ton	9,640	363	10,286	404
Foundry sands	"	38,650	478	46,468	607
Plumbago and graphite	lb.	837,430	32	1,483,036	54
Lumber	M bd. ft.	1,702	219	1,708	259
Firebrick and cupola blocks	"	...	175	...	325
Fireclay	ton	3,188	83	3,720	143
Core oil	Imp. gal.	34,683	51	25,558	34
All other materials and components used(1)	"	...	41,785	...	43,828
2. Containers and other packaging materials and supplies used					
3. Operating, maintenance and repair supplies used (excluding fuel)					
4. Amount paid out to others for work done on materials owned by establishments					
Totals	"	...	179,874	...	198,470

(1) No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$10,411,025 in 1965 and \$11,747,501 in 1966.

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

Description	1965		1966	
	Quantity	Value \$'000	Quantity	Value \$'000
1. Products:				
Agricultural implements	625	...	1,279
Castings, forgings and related products (including plumbers' brass and valves):				
Cast iron plumbing fixtures	(1)	...	(1)
Gas stops and gas curb stops	(1)	...	(1)
Hydrants	No. 9,948	2,065	10,221	2,236
Meters, gas	" 106,690	3,780	101,315	3,633
Flush valves	1,980	...	1,302
Other plumbers' brass fittings (excluding solder fittings - See below)	17,977 ⁽¹⁾	...	19,448
Valves (excluding penstock valves)	39,029	...	44,428
Grey iron castings, including alloy and malleable	5,397	...	6,330
Non-ferrous castings, n.e.s.	3,551	...	4,138
Forgings, n.e.s.:				
Steel	34,433	...	39,452
Other forgings (non-ferrous, stainless steel, etc.)	3,302	...	2,622
Castings, forgings and related products, other	23,967	...	23,135
Architectural and ornamental metal work:				
Aluminium	1,210	...	1,129
Brass and bronze	33	...	64
Iron and steel	1,748	...	6,765
Stainless steel	173	...	139
Fabricated bar joists	(2)	(2)	(2)	(2)
Fabricated concrete reinforcing bar	ton 118,592	18,567	122,827	18,650
Piping, fabricated	4,852	...	7,564
Platwork, fabricated, n.e.s.	1,448	...	2,385
Tanks	4,205	...	6,213
Fabricated and structural products, other	16,745	...	22,056
Hardware:				
Automatic screw machine products	(2)	...	1,019
Products other than automatic screw machine (bolts, nuts, rivets, screws)	7,218	...	8,456
Hardware, other	1,883	...	4,002
Heating equipment	9,451	...	8,863
Machinery	15,306	...	16,549
Miscellaneous products:				
Chains	4,192	...	4,435
Collapsible tubes, metal	4,713	...	4,927
Electro-plating racks	300	...	380
Fire extinguishers, hand-type	3,626	...	4,525
Lightning rods and supplies	301	...	348
Pipe fittings	9,652	...	9,482
Metal sponges or pads, not impregnated	1,074	(2)	(2)
Powder metallurgy products	1,740	...	2,121
Sanitary ware	19,285	...	19,995
Solder-type fittings	(2)	...	(2)
Spinnings, all metals	1,249	...	1,703
All other products	95,860	...	102,037
2. Amount received in payment for work done on materials and products owned by others	1,569	...	3,699
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above	(2,777)	...	(3,550)
Net adjustment for establishments receiving progress payments	27	...	13
Total adjusted value of shipments and work done	359,758	...	401,972

(1) Included in "Castings, forgings and related products, other".

(2) Included in "All other products".

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

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

A. Plumbers' Brass Fittings, 1965 and 1966

Product	Value	
	1965	1966
	\$'000	
Bath waste and overflows	1,315	1,306
Faucets, sink, lavatory and bath, and their combinations	7,116	8,218
Plumbing fixture trim	1,584	1,430
Stops	2,445	1,748
Traps	1,400	1,470
Tub-fillers, showers and combinations of same	2,761	2,725
Toilet tank fittings	1,592	1,795
Flush valves	1,980	1,302
Other brass plumbing fixtures	1,803	2,149
Total	21,991	22,143
Solder type fittings	13,382	13,073

B. Hand-type Fire Extinguishers, 1957-66

Year	Value	Year	Value
	\$'000		\$'000
1957	2,649	1962	2,767
1958	2,386	1963	2,846
1959	2,234	1964	3,258
1960	2,876	1965	3,963
1961	2,782	1966	4,525

C. Hydrants, 1962-66

Year	Number	Value
		\$'000
1962	13,967	2,516
1963	13,143	2,349
1964	14,912	2,814
1965	16,152	3,075
1966	15,610	3,270

D. Valves, 1965 and 1966

Type	Value	
	1965	1966
	\$'000	
Iron body (hand or power operated - excluding regulating valves):		
Globe, angle, gate and check	11,962	12,738
Butterfly	1,845	2,702
Other iron	1,002	2,626
Steel (hand or power operated - excluding regulating valves):		
Carbon and low alloy	7,651	10,582
High alloy	2,885	3,911
Other	1,229	490
Brass or bronze (excluding regulating valves):		
Globe, angle, gate, check, radiator and ball	12,796	16,759
Other, brass or bronze	678	1,273
Corporation brass	2,788	2,130
Automatic regulating:		
Iron or bronze	1,001	1,004
Iron or steel	592	367
Other, including alloy metal	(1)	(1)
Values n.e.s.	4,339	3,677

(1) Included with "Valves" n.e.s.

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 and location	Name and location
<u>Newfoundland</u>	<u>Quebec - Concluded</u>
McNamara Industries Ltd., Topsail Rd., St. John's Pratt, J.C. Industries Ltd., O'leary Ave., Peel St., St. John's	Ville Emard Metal Spinning Reg'd., 5701 Chemin Côte-St-Paul, Montreal 20 Warwick Hydraulic Ladders, Warwick Welland Vale Quebec Ltd., St. Jean
<u>Nova Scotia</u>	<u>Ontario</u>
Dominion Steel & Coal Corp. Ltd., Trenton Steel Division, Trenton Lakeland Industries Ltd., Mount Uniacke Maritime Steel & Foundries, Limited, 379 Glasgow St., New Glasgow	A-1 Steel Works, 2391 Mountain Rd., Niagara Falls Abel Metal Products Ltd., 24 Juliard Rd., Toronto Ace Bronze Co. Ltd., 2 Holtby Ave., Brampton Aerometal Products & Design Ltd., 195 Bentworth Ave., Toronto All-Right Custom Steel Products Ltd., Concord Airmass Canada, 1040 Martingrove Rd., Rexdale Allied Heat Treat Ltd., 368 Munster Ave., Toronto Altype Heat Treat, Industries Ltd., 3246 Wharton Way, Cooksville Alward, R., & Son, Stratfordville American Standard Prod. (Canada) Ltd., 1201 Dupont St., Toronto Anchor Coupling Canada Ltd., 10 Edmonson St., Brantford Apex Bolt Products of Canada Ltd., 28 Milford Ave., Toronto 15 Armson Iron Works Ltd., 1558 Howard St., Windsor Armstrong Trophy Company, 174 Spadina Ave., Toronto Ascolectric Limited, Hwy 53 West at Airport, Brantford Automated Bldg. Comp'n's Inc., 42 Continental Place, Scarborough B & L Metal Products, 1 First St., Elmira B & W Heat Treating Ltd., 70 Rorden Ave., Kitchener Bailey-Hunt Ltd., 151 Bentworth Ave., Toronto Beller Steel Co. Ltd., 249 Speedvale Ave. W., Guelph Bernstein, K., 21 Kensington Ave., Toronto Beat Weather Strip Co. Ltd., R.R. 7 Brantford Bex Engineering Ltd., 40 Huxley Rd., Weston Borg-Warner (Canada) Ltd (Cello Products Div.), Box 37, Avenue Rd., Galt Boulting Metals, 1856 Brampton Ave., Hamilton Branco Steel Ltd., 60 Penn Dr., Weston Brass Craft Canada Ltd., 35 Currah Rd., St. Thomas Brighton Valve Company Limited, Prince Edward St., Brighton Brockworth Industries Ltd., Orillia Brooks Mfg. Co. Ltd., 366 Rogers Rd., Toronto Bryan Chrome Products Ltd., 180 Milvan Dr., Weston Budd Machine Tool Co. Ltd., 3096 Devon Rd., Windsor C. And R. Metal Products Ltd., 1141 Kelly Lake Rd., Sudbury Calumet & Hecla (Canadian) Ltd., 134 Nelson St. W., Brantford Canada Block Co. Ltd., The, 21 Rlordon St., St. Catharines Canada Car-All Ltd., 20 Taber Rd., Rexdale Canada Forgings Ltd., Empire St., Welland Canada Valve & Hydrant Co. Ltd., The, Brantford Canadian Advance Car Mover Co. Ltd., 145 Ross St., Welland Canadian Armaments Ltd., 1400 Lakeshore Rd., Long Branch Canadian Brass Ltd., 415 Dundas St., Galt Canadian Cold Forging and Coining Co. Ltd., 3258 Marentette Ave., Windsor Canadian Coupling & Fittings Ltd., 39D Second Ave., Simcoe Canadian General Filters Ltd., 39 Crookford Blvd., Scarborough Canadian Ground-Support Ltd., 2291 Lasalle Blvd., Sudbury Canadian Heat Treaters Ltd., 300 NewKirk Rd., Richmond Hill Canadian Meter Co. Ltd., 10th Side Rd. & Front St., Milton Canadian Pipe & Steel Fabricators, 875 Eastern Ave., Toronto Cello Products (Preston) Div. Borg-Warner (Canada) Ltd., 610 Bishop Rd., Preston Central Metal Fabricators Ltd., 46 Taber Rd., Rexdale Central Welders & Blacksmiths Ltd., R.R. 3, Rodney Chamberlin Metal Weatherstrip Co. Ltd., The, Lambeth Chemical Valley Fabricating Co. Ltd., Box 760, Sarnia Chesley-Sarnes Ltd., Hwy 3 Essex Chubb Mosler & Taylor Safes Ltd., 263 Queen St. E., Brampton CLA-VAL Canada Ltd., 14 Dixie Rd., St. Catharines Clark Kennedy & Co. Ltd., 931 Weston Rd., Toronto Colbey Custom Fabricating Co. Ltd., 147 Hartzell Rd., St. Catharines Columbus McKinnon Ltd., 580 Welland Ave. E., St. Catharines Con-A-Vap Limited, 4627 Kingston Rd., West Hill Construction Products Inc., Georgetown Coulter Copper & Brass Co. Ltd., 44 Coronet Rd., Toronto Coupeo Limited, Valley Farm Rd., Pickering Crane Canada Ltd., Port Hope Crane Canada Ltd., 15 Crane Ave, Stratford Crane Canada Ltd., 1757 Burlington St. E., Hamilton Crawford Fittings (Canada) Ltd., 605 Kent Ave., Niagara Falls Dart Union Co. of Canada Ltd., 8 Vansee Rd., Toronto Decor Metal Products Ltd., 1 Bay St., Midland DeZurik of Canada Ltd., 385 Franklin Blvd., Galt Diamond Tool & Horse Shoe Co., 580 Front St. W., Toronto Diebold of Canada Ltd., 258 Wallace Ave., Toronto Dodd & Struthers Ltd., 1721 Moy Ave., Windsor Dominion Brake Shoe Div. Abex Industries of Canada Ltd., 256 Portage Road, Niagara Falls Dominion Cold Extrusions Ltd., 2480 Seminole St., Windsor Dominion Forge Co. Div., Canadian Corporate Management Co. Ltd., 3480 Seminole St., Windsor Dominion Lightning Rod Co. Ltd., 384 Mill St. W., Dundas Dominion Sink Ltd., 415 Albany, Petrolia Dominion Welding Engineering Co. Ltd., Keele St. N., Maple Goma Engineering Co., 18 Raitherd Rd., Toronto Erectoweld Co. Ltd., Speers Rd., & Third Line, Oakville
<u>New Brunswick</u>	
H.B. Industries Ltd., Sussex McAvity, Div. Crane Canada Ltd., 168 Rothesay Ave., Saint John St. Stephen Steel Company Ltd. (Maritime Steel & Foundry Ltd.), St. Stephen	
<u>Québec</u>	
Acton Nipple Inc., Actonvale Alloy Manufacturing Ltd., 41 St. Joseph St., Lachine Aluminum Casting, 219 B, rue Charron, Ville Lemoyne Aluminum Welding Co. Ltd., 5745 Place Turcot, Montreal American Metal Spinning Ltd., 3859 Industrial Blvd. E., Montreal-Nord Argo Co., The, 716 St. James St. W. Montreal 1 Band Ti Corp., 3600 Industrial Blvd., Montreal North Bend-All Metal Ltd., 8290-2nd Ave., Ville d'Anjou Bergeron, Vincent, Fonderie, 410 rue Béland, Laurierville Booth-Coulter Coppersmithing Co. Ltd., 283 Duke St., Montreal Brass & Bronze Mfg. Co. Ltd., 6725 Park Ave., Montreal Cabe Industrial Supply Ltd., 1051B Iberville St., Montreal Canada Mayer Sealing Devices Reg'd., 10775 Racette Ave., Montreal-Nord Canadian Bronze Co. Limited, 999 DeLorimier Ave., Montreal Canadian "Cinch" Anchoring Systems Ltd., 2095 Madison Ave., Montreal Canavan Explosion Venting Systems Ltd., 2140 Belgrave Ave., Montreal Crane Canada Ltd., 3800 St. Patrick, Montreal 9 Croname-MacDonald Limited, 50 Taylor St., Waterloo Custom Fittings Co. of Pincourt Ltd., Pointe des Cascades Cuthbert, W.R., & Co. Ltd., 47 Duke St., Montreal Desroberts Inc., 2399 rue Royale, Trois-Rivières Dominion Hat Block & Die Co., 7060 Alexandra St., Montreal 10 Dominion Joints, 8019-13ième Ave., Ville St-Michel Dominion Welding Engineering Co. Ltd., 10000 Bruxelles Ave., Montreal North Dontar Chemicals Ltd., (Metal Powder Div.), 15 St. Joseph St., Lachine Dontar Chemicals Ltd., (Metal Powder Div.), Lasalle Echafauds Laval Scaffolds, 103 est Des commissaires, Montreal Erectofast Scaffold Ltée, 1420, boul. St-Elzear, Laval Fayle Coppersmith Works Ltd., 2712 Mullins St., Montreal Federal Weatherstrip Inc., 9478 Hamelin Ave., Montreal Ferrermerie Archambault Inc., 388 rue Principale, Farnham Formex Ltée, 499 boul. Guimond, Jacques-Cartier Freeman Corporation, 91 des Oblates St., Cap-de-la-Madeleine Gaulin, Athanase, Principale, St-François Montmagny Golden Gate Mfg. Co. Ltd., 361 Youville St., Montreal Guard-X Reg'd., 5877 Papineau Ave., Montreal Hard & Metal Works, 5625, rue St. Andre, Montreal Industries "Armen" Industries Ltd., 352, rue de l'Inspecteur, Montreal 1 Industries Couture Ltée, 67 ouest, rue Jacques-Cartier, Chicoutimi Jenkins Bros. Ltd., 170 St. Joseph Blvd., Lachine Justin Coffre-Fort Ltée, 976 St. Paul St. W., Montreal Kiddie, Walter & Co. of Canada Ltd., 154 Oneida Dr., Pointe Claire La Compagnie Morin & Fils Ltée, 230-4ième Ave., Montmagny La Métallurgie de St. Raphael Ltée, St-Raphel, Cté de Bellechasse Les Coupe Froid Economiques Inc., 8695-10ième Ave., Ville St-Michel Les Produits d'Acier, Plane Tec. Ltée, 4701 rue Forest, Montreal-Nord Liberty Mfg. Co., 1090 Pratt Ave., Outremont, Montreal Machinerie Ferclaud Inc., 2020 rue Chamby, Montreal Marois, Aurel, Montmagny Mathieu, Renald, Wickham, Cté de Drummond Modern Metal Spinning Reg'd., 4249 Frontenac St., Montreal Montebello Metal Ltd., Montebello Munico Ltd., 10670 Racette St., Montreal-Nord National Safe Inc., St-Dominique, Cté de Bagot Olympia Steel Corp., 3760 Metropolitain Blvd. E., St-Michel Ouellette, O.J. Inc., 958 St-Dominique St., Montreal 34 Park Lane Products Reg'd., 144 rue Heunier, Pont-Viau Pescocq Bros. Ltd., 260 St. Patrick St., Ville LaSalle Piper, Hiram L., Co. Ltd., The, 555 St-Rémi St., Montreal Prime Mfg. Co. Ltd., 6065 St. James St., W., Montreal RCR Products Ltd., 6413 Azilda Ave., Ville d'Anjou Rockwell, Mfg. Co. of Canada Ltd., 161 Stirling Ave. LaSalle Roto Tech-Smith Inc., 10225 boul. St-Laurent, Montreal Roy, Irénée, Ltée, 109 rue Dube Theford Mines Safety Equipment Co. Ltd., 2115 Old Orchard Ave., Montreal Security Safes Ltd., 4345 Majau St., Montreal 39 Sill Plate Gueret Ltée, 4275 boul. St-Joseph, Drummondville Sud Spinning Craft Co. Ltd., 2669 rue Charlemagne, Montreal Tubebend Welding Co., 2917 Sherbrooke St. East, Montreal 4 Universa Ltd., 400 des Laurentides, Beauport-Ouest Vic Iron Work Enr., 14 Ave. St-Victoire, Victoriaville	

LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1966 - Continued

Name and location	Name and location
Ontario - Continued	
Elkel Metal Products, 465 Davis Dr., Newmarket	Neuman Truck Body Limited, 2941/2 Courtland Ave. E., Kitchener
Emberley Enterprises Ltd., 57 Raleigh Ave., Scarborough	Neuman Green of Canada Ltd., Richmond Hill
Emco Ltd., 1108 Dundas St., London	Nicol Manufacturing Co., 32 Brydon Dr., Rexdale
Express Metal Spinning Co., 6 Phoebe., Toronto	North York Steel Fabricators, 110 Milwick Dr., Weston
Fairbank Foundry, 52 Clarkson Ave., Toronto	Oliver-Woods Metal Spinning Co., 8 Beaconsfield, Toronto
Falk Corp. of Canada Ltd., The, 45 Disco Rd., Rexdale	Otaco Limited, West St. S., Orillia
Farris Brantford Ltd., Shaver St. & Hwy 2, Brantford	Parcoli Products Ltd., St. Lawrence St., Winchester
Ferguson Tools Ltd., 8 Ripley Ave., Toronto	Parkinson Cowan (Canada) Ltd., 830 Richmond St., Chatham
Ferrari Ornamental Co., 10 Hafis, Rd., Toronto	Par-Met Industries Ltd., 66 Crosby Ave., Richmond Hill
Flag Fire Equipment Ltd., 1680 Kildare Rd., Windsor	Peerless Plating Rack Co., 124 Cartwright Ave., Toronto
Flaherty Mfg. Co. Ltd., 76-78 Wellington St. N., Hamilton	Peninsula Fittings (St. Catharines) Ltd., 221-223 Bunting Rd., St. Catharines
Freisen Reinforcing Steel Ltd., 87 Shorncliffe Rd., Toronto	Perth Metal Industries Ltd., 128 Montelth Ave. Stratford
Fyr Fyter Co. of Canada Ltd., 19 Victoria Crescent, Bramalea	Phillips, G.E., Ltd., 481 Atwell Ave., Rexdale
Galt Brass Co. Ltd., 471 Dundas St., Galt	Phillips Lightning Rod Co. Ltd., 32 Osborne Ave., Toronto
Galt British Forge Ltd., 204 Beverly St., Galt	Phoenix Mfg. Co. (Div. R. & W. Heard Holdings Ltd.), Fulton St. S., Milton
Gembearco Limited, 347 Olivewood Rd., Toronto	Pinder Bros. Ltd., 2 Otonabee St. W., Willowdale
General Die & Machine Co. Ltd., 500 Major St., Welland	Pipe Coil Fabricators Ltd., 143 Bernondaye Rd., Toronto
General Fire Extinguisher Corp. (Canada) Ltd., The, 955 Huron Line, Windsor	Posco Steel Products Ltd., 24 Ingram Drive, Toronto
General Fittings and Manufacturing, Midland Ave., Scarborough	Prescon of Canada Ltd., 2237 Hurontario St., Cookville
General Impact Extrusion Mfg. Ltd., 191 Evans Ave., Toronto	Preston Heat Treating Corp. Ltd., 753 Bishop St. N., Preston
Gilbert Steel Ltd., Britannia Rd., Malton	Production Assemblies, 1849 Mattawa Ave., Cooksville
Glttsch, Fritz W. & Sons (Canada) Ltd., 18 Dallas St., Uxbridge	Pyrene Mfg. Co. of Canada Ltd., 777 Dundas St. E., Toronto
Gotweis, W.H.A., Markham Rd., RR No. 2, Scarborough	Queenston Welding & Mfg. Ltd., 637 Queenston Road, Hamilton
Great Lakes Forgings Ltd., 1590 Matthew Brady Blvd., Windsor	Ralston Custom Steel Products Ltd., 92 Ferguson St., Guelph
Great Lakes Steel Products Ltd., 1276 Ellesmere Rd., Scarborough	Reinforcing Steel Products Co., 200 New Toronto St., New Toronto
Gregory Fasteners Ltd., 2 Meridian Rd., Rexdale	Reliance Steel Fabricators Ltd., 385 Salter Ave., Windsor
Grinnell Co. of Canada Ltd., 427 Lakeshore Blvd. W., Toronto	Reynolds Extrusion Co. Ltd., 160 West Lodge Ave., Toronto
Guardian Mfg. Ltd., 10 Brock St., Brockville	Ric-Wil Co. of Canada Ltd., The, Wellington St. at 3 rd Ave., St. Thomas
H. & S. Commercial Heat Treat, East main St., Welland	Richmond Screw Anchor Co. of Canada Ltd., 34 Six Point Rd., Toronto
Harjohn Industries Ltd., Grantham Ave., (Box 505) St. Catharines	Roberts, Art. & Son Ltd., 1021 Barton St., Hamilton
Harris Engineering Co., 1914 Mattawa Ave., Cooksville	Rockwell Mfg. Co. of Canada Ltd., 40 Wellington St., Guelph
Harris, J. & Son Ltd., Greens Rd., Stoney Creek	Roper Steel Construction Co., 2902 Eglinton E., Scarborough
Hart, Will Ltd., 1100 Bellamy Rd. N., Scarborough	S.D.M. Thermolite Ltd., 45 Research Rd., Toronto
Hauon Drop Forge Co. Ltd., Box 98, Welland	St. Clair Metal Processing Ltd., Howard & Eugenie, Windsor
Hercules Shaft Splice Co., 167 Queen St., Stratford	St. Lawrence Steel & Wire Co. Ltd., Mill St., Gananoque
Hose Couplings Ltd., Park Rd., Box 216, Simcoe	Salbrock Mfg., Brock Rd. N., Pickering
Hydro-Flex Hose Co. Ltd., 21 Sanford Ave. N., Hamilton	Samuel Steel Strapping Limited, 1578 Mattawa Ave., Cooksville
Imperial Rack & Mfg. Co. Ltd., 124 Clark Sideroad, London	Seick, Walter E. & Co. Canada, 53 Tycos Drive, Toronto
Indufab (1964) Ltd., 128 Centre St. N., Richmond Hill	Selox Manufacturing Ltd., 36 Belvia Rd., Toronto
Industrial Fabricators Ltd., 209 Tunnel St. Sarnia	Service Steeland Engineering Ltd., 621 Parkdale Ave. N., Hamilton
Ingenious Devices Ltd., Orillia	Sheridan Metal Products Ltd., 2528 Wharton Glen Ave., Cooksville
Integrated Structures and Engineering Ltd., Bolton	Simcoe Steel Fabricators Ltd., R.R. No. 3, Newmarket
Ithaca Gun Co. (Canada) Ltd., Park St. E., Dunville	Sinterings Ltd., 265 Edinburgh Rd., Guelph
Jamaica Mfg. (Canada) Co. Ltd., Prescott	Smith Valve Corp. of Canada Ltd., 3236 Wharton Way, Cooksville
Jamesbury Corporation, 3671 Weston Rd., Weston	Specialty Products (Guelph) Ltd., 35 Municipal St., Guelph
Jenson Fitting Mfg. Ltd., 298 Kipling Ave. S., Toronto	Stampco Industries Ltd., 1496 Concession Rd., Preston
Jetco Manufacturing Ltd., 36 Milvan Dr., Weston	Stanley Manufacturing Co. Ltd., The, Main St., Markham
Jupiter Welding and Fabricating, 376 Enford Rd., Richmond Hill	Star Expansion Industries (1963) Ltd., 1061 The Queensway, Toronto
K & K Reinforcing Steel Co. Ltd., White Oak Rd., London	Steel Co. of Canada Ltd., Gananoque
K.S.M. of Canada Limited, 1090 Kipling Ave. N., Rexdale	Steel Improvement Co. Ltd., 265 Wellington St. W., Toronto
Kaldoor Co. Ltd., Wolcott Ave., Scarboro	Steffler Metal Products Ltd., 74 River Rd., W. Kitchener
Kee Klamp North America Ltd., 43 Gurnay Crescent, Toronto	Sterling Faucet Canada Ltd., 61 Forsythe St., Oakville
Keystone Valve (Canada) Ltd., 923 Oxford St., Toronto	Stonetown Metal Products, St. Marys
Kilian Mfg. Ltd., 75 Torlake Creac., Toronto	Sun Tube of Canada Ltd., 145 Spruce St., Ottawa
Kindred Industries Ltd., Midland	Superior Concrete Accessories Canada Ltd., 230 Belfield Rd., Rexdale
Kinkead Canada Ltd., 2220 Midland Ave., Scarborough	TCC Design & Mfg. Co., 234 McKenzie Ave., Ajax
Klassen Bronze Ltd., 70 Hincks St., New Hamburg	Taco Heaters of Canada Ltd., 3090 Lenworth Dr., Cooksville
Koppers Products Ltd., 16 Taber Rd., Rexdale	Terpan Sections Ltd., 90 Oakdale Rd., Downsview
Kuchyt Metal Works Ltd., Petit Rd., Port Erie	Taylor Associates, L.E., Ltd., 829 Woodward Ave., Hamilton
Kurly Kate (Canada) Ltd., 42 Gladstone Ave., Toronto	Thamesville Metal Products Ltd., Wallace St., Thamesville
Ladiah Co. of Canada Ltd., Park Rd. N., Brantford	Thompson Machine, 254 Weldrick Rd., Richmond Hill
Lauder Brass Ltd., 107 Torvork Rd., Weston	Thorold Welding Works Ltd., 183 Merritt, St. Catharines
Leatel Metals of Canada Ltd., 134 Dawson Rd., Guelph	Tomahawk Mfg., 70 Belfield Rd., Rexdale
Lite Metal (Products) Ltd., 2597 Wharton Glen Rd., Cookville	Tonner, Gordon Metal Spinning, 134 Oxford St., Richmond Hill
Lofthouse Brass Mfg. Co. Ltd., Box 1409, 310 Hopkins St., Whitby	Toronto Coppersmithing Co. Ltd., 220 Midwest Rd., Scarborough
Luckock, Richard C., 527 Crawford St., Toronto	Toronto Fitting & Foundry, 365 Bering Ave., Toronto
Lunkenheimer Morrison Canada Ltd., 276-78 King St. W., Toronto	Toronto Metal Spinning (1965) Ltd., 32 Eastern Ave., Toronto
Mackenzie Black Fabricating Co. Ltd., 267 Beckwith St., Corunna	Trans-Val Products Ltd., 2552 Wharton Glen Rd., Cooksville
Magcos Ltd., 55 Penn. Dr., Weston	Triangle Metal Products Ltd., 618 Vaughan Rd., Toronto
Magline of Canada Ltd., Hwy No. 17, Renfrew	Trimonex Manufacturing Co. Ltd., 12 Sable St., Toronto
Manning Maxwell & Moore of Canada Div., Dresser Industries of Canada, 200 Avenue Rd., Galt	Tubco Lamp Parts Ltd., 47 Railside Rd., Don Mills
Marcon Custom Metals, 489 Lancaster St. W., Brigeport	Tube Turns of Canada Ltd., 21 York St, Ridgetown
Marshall Foundry, 940 Assumption St., Windsor	United Flexible Metallic Tubing (Canada) Ltd., 128 Centre St. E., Richmond Hill
Marson (Canada) Ltd., 29 Shaft Rd., Rexdale	Universal Metal Spinning Products, 308 Adelaide St., Toronto
Maysteel Ltd., 20 Bethridge Rd., Rexdale	Up-Right Scaffolds Ltd., 120 Russett Ave., Oshawa
Memorial Vase Co., R.R. No. 3, Kitchener	Valco Manufacturing Ltd., 7470 Tecumseh Rd. E., Windsor
Metal Bendings & Furniture Ltd., 39 Penmar Dr., Weston	Valve and Primer (Canada) Ltd., Dundas
Metal Textile of Canada, 126 Catherine St. N., Hamilton	Veri-Best Welding and Fabricating Ltd., 2268 Harold Rd., Burlington
Metcan Products Ltd., 1190 Birchmount Rd., Scarborough	Vibro Acoustics Ltd., 16 Lesmill Rd., Don Mills
Metro Engineering, 35 Lucy Ave., Scarborough	Victoria Steel Products Ltd., 655 Lauzon Rd., Riverside
Midland Equipment Co., 251 Raleigh Ave., Scarborough	Victory Metal Works, 767 Warden Ave., Scarborough
Millard & Lamb Ltd., King St. E., Kingston	Wallaceburg Ball Chain Mfg. Co., 2227 Manitou Dr., Kitchener
Misco Fabricators of Canada Ltd., 954 Southworth St. S., Welland	Wallaceburg Brass Limited, 1355 Wallace St., Wallaceburg
Moeller Mfg. Co. (Canada) Ltd., 1750 Valley Way, Box 215, Niagara Falls	Wallaceburg-Singer Ltd., Libby St., Wallaceburg
Montebello Metal Ltd., 1036 Aberdeen, Hawkesbury	Walson Manufacturing Ltd., 36 Holtby, Brampton
Moore Air Equipment Ltd., 325 Hale St., London	Ward Iron Works Ltd., 558 Niagara St., Welland
Mount Dennis Welding Limited, 1001 Weston Rd., Toronto	Waterloo Spring Co. Ltd., 102 Breithaupt, Kitchener
Mueller Ltd., Clifford St., Sarnia	Watts Regulator of Canada Ltd., 86 Rivalda Rd., Weston
Myatt, E., Co. Ltd., 21 Carlaw Ave., Toronto	Welco Precision Weights, 161 Cope St., Hamilton
National Loose Leaf Devices Ltd., 43 Bercal Rd., Toronto	Welding Fittings & Flanges of Canada Ltd., 1675 Burlington St. E., Hamilton
Nescoid (Canada) Ltd., 10 Vansco Rd., Toronto	Welland Forge Ltd., 117 Manville St., Scarborough
Neptune Meters Ltd., 3526 Lakeshore Blvd. W., Toronto	Welland Metal Supplies Ltd., 208 Burger St., Welland

LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1966 - Concluded

Name and location	Name and location
<u>Ontario - Concluded</u>	<u>Alberta - Concluded</u>
<p>Welmet Industries Ltd., 10 Kingsmill Ave., Guelph Wera Steel Ltd., Centre St., Welland Wessan Plumbing Ltd., Bellevue Ave., Streetsville West Brant Apiary Supplies, 224 Colborne St. W., Brantford Williamson, T.D., Canada Ltd., 271 Queen St. E., Brampton Wilson, Robert J. Metal Products, 102 Fenmar Dr., Weston Winchester-Western (Canada) Limited, 415 King St. W., Cobourg Woodbine Metal Spinning Co., 1962 Gerrard St. E., Toronto Yarmouth Metal Fabricators Ltd., RR. No. 3, St. Thomas Yarway Canada Ltd., 287 Speedvale Ave. W., Guelph York Metal Spinning & Specialties Ltd., 35 Industrial Rd., Richmond Hill</p>	<p>Texsteam Ltd., 6040-97th St., Edmonton Winspun Copper & Braas Ltd., 4303-17th Ave., S.E., Calgary Wittke Iron Works, 2201-15th Ave. S.E., Medicine Hat</p>
<u>Manitoba</u>	<u>British Columbia</u>
<p>Abesco Ltd., 44 Archibald St., St. Boniface Alco Equipment Ltd., 996 Pacific Ave., Winnipeg Armour Metal Products Ltd., 661 Madison St., St. James Canadian Bronze Co. Ltd., 15 Bury St., Winnipeg Covin Steel Co. Ltd., 1137 Pacific Ave., Winnipeg Klassen Bros., 421 Edison Ave., Winnipeg Made-Well Mfg. Co., Dauphin Manitoba Bridge & Engineering Works Ltd., 845 Logan Ave., Winnipeg Mercury Metal Products Ltd., 590 Pembins Hwy., Winnipeg National Products Ltd., Ottawa Ave & Watt St., Winnipeg Pary Products Ltd., 526 Jarvis Ave., Winnipeg Red River Chain, 258 Kingsford Ave., Winnipeg Rosedale Mfg., 173 Forest Park Dr., Winnipeg Swan Manufacturing Company, 218 Alexander St., Winnipeg</p>	<p>A & M Steelcraft Ltd., 8250-124th St., North Surrey Advance Industries Ltd., 2034 W. 12th Ave., Vancouver Advance Metalpres Products Ltd., Granville Island, Vancouver Alumaloc Mfg. Ltd., 367 Water St., Vancouver Art Metal Spinning Co. Ltd., 3904 East 1st Ave., Burnaby BC Chains Ltd., 1806 Granville St., Vancouver BC Gearworks Ltd., 5488 Imperial St., Burnaby Beaver Manufacturing Ltd., 26 W. 7th Ave., Vancouver Benndorr and Sutherland Mfg. Co. Ltd., 7326 Antrim Ave., Burnaby Bobbie Equipment & Welding Co. Ltd., 1915 Fir St., Vancouver Brittain Steel Fabs. Ltd., 400 Ewen Ave., New Westminster Canada Chain & Forge Co. Ltd., Granville Island, Vancouver Capilano Metal Products Ltd., 250 Pemberton Ave., North Vancouver Ellett Copper & Brass Co. Ltd., 92 West 2nd Ave., Vancouver Edwards Welding Limited, 727 Caledonia St., Victoria Fire Hood Manufacturers Ltd., 266 East Esplanade, North Vancouver Hastings Brass Foundry Ltd., 236 Clark Drive, Vancouver Lister Bolt & Chain Works Ltd., 301 West 5th Ave., Vancouver McBain, A.J., Ltd., 278-No. 3 Rd. Richmond McDonald Engineering Ltd., 2421 Alpha Ave., Burnaby McLeod & Norquay Ltd., 520 Raymur Ave., Vancouver Maure, Paul, Welding, 400 Ewen Ave., New Westminster Metal Distributors Ltd., 7220 Government Rd., North Burnaby Micon Products Ltd., Granville Island, Vancouver Motor Specialty Manufacturers Ltd., 475 Clark Drive, Vancouver Pacantic Products Ltd., 1,329 Pemberton Ave., N. Vancouver Pacific Aluminum House Ltd., 54 E. 3rd Ave., Vancouver Pacific Pipe & Flume Ltd., 165 Okanagan Ave. E., Penticton Peace River Cable Service Ltd., Dawson Creek Polygon Designers & Metal Fabricators, 7450 Mission Ave., Burnaby Premier Engineering & Iron Works Ltd., 7231 Greenford St., Burnaby Rain Bird Sprinkler Mfg. Co. (Canada) Ltd., 44 East Cordova St., Vancouver Ross & Howard Iron Works Co. Ltd., Ft. Woodland Dr. E., Vancouver Rovang, Wg, & Associated Inc., 1621 Railway St., North Vancouver Samco Engineering Ltd., 911 Beckwith Rd., Richmond Senkow, J. Iron Works, 1107-7th Ave., Steveston Shaw's Sales and Service Ltd., 334 Van Horne St. S., Cranbrook Singer Valve Co. Ltd., 872 Derwent Way, New Westminster Spin Craft Mfg. Co., 1599 Venables St., Vancouver Third, Geo., and Son Ltd., 882 E. Cordova St., Vancouver Thompson Poy Ltd., Rear 1845 W. Georgia St., Vancouver Tidy Steel-Fab Ltd., 12195 Musquam Dr., North Surrey United Metal Fabricators Ltd., 1406 W. 73rd Ave., Vancouver Wesgar Industries Ltd., 110 Fell Ave., North Vancouver Western Corrosion, 882 E. Cordova St., Vancouver Wilfro Mfg. Co. Ltd., 3940 Charles St., Burnaby</p>
<u>Saskatchewan</u>	
<p>Acme Industries Ltd., 182 Wall St., Saskatoon East, John, Iron Works Ltd., 121 Ave., C. North, Saskatoon Fudge's Industries, 907 Ave., Moosomin Regina Iron Works Ltd., 125-10th Ave. East, Regina Westcon Construction Products, 1801 Ontario Ave., Saskatoon</p>	
<u>Alberta</u>	
<p>Alta, Bend 1963 Ltd., 12,230-66th St., Edmonton Bonny Brook Steel Ltd., 4011-15th St. S.E., Calgary Canadian Bronze Co. Ltd., 1609-24th Ave. S.E., Calgary Crane Canada Ltd. (McAvity Div.), 801 Smelter Ave., Medicine Hat Enoco Valve & Instrument Co., 10368-5th Ave., Edmonton Lethbridge Iron Works Co. Ltd., 120-1st Ave. S., Lethbridge Moffat Engineering Co. Ltd., 1111-12th Ave. S.E., Calgary Northern Steel Fabricators Ltd., 9720-60th Ave., Edmonton Penfabco Limited, 10103-80th Ave., Edmonton Scott, S.F. Mfg. Co. Ltd., 766-14th St. S.W., Medicine Hat Specialty Iron Works, Main St., Blackfalds</p>	

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