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SIGNS AND DISPLAYS INDUSTRY

1963

In terms of the revised Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing signs and displays, including electric signs and neon signs". It does not include, however, establishments whose principal activity is the construction of poster billboards, poster bulletins and painted billboards on the site: such activity is regarded as construction and not manufacturing.

A most important change, confined to this industry, was also carried out in the 1962 and 1963 surveys. This new approach consisted of treating the value of permanent signs, manufactured during the year but shipped on a lease or rental basis, as part of the shipments of goods of own manufacture by the industry. At the same time, the rental receipts received by the industry, considered, in previous annual surveys as forming part of the total manufacturing revenue of the industry, were transferred to non-manufacturing revenue. It will be realized that this change could not be affected until this survey was placed on the total activity approach, mentioned above.

At the same time, no change was made in the approach outlined in the preface to the 1961 report in this series in that data covering the manufacturing of permanent signs and displays by those important establishments, removed from this industry in the 1961 survey, when the New Establishment Concept was implemented, were collected for 1962 and 1963 through the use of the special commodity schedules.

The effect of this new approach, has led to the following composition of the report tables:

- (a) In the balance of the tables in this report, with the exception of Table 8, the industry is presented on this revised basis. Specifically, in all cases, as applicable, the value of the shipments of signs shipped on a lease or rental basis during the year is included in the "Value of shipments of goods of own manufacture", whereas the rental receipts are regarded as non-manufacturing revenue and are included in the calculation of "Total value added". Furthermore, these receipts form a large part of the non-manufacturing "All other revenue" and "Value added" as shown in Table 2. It should also be noted that, in line with this new approach, the 1963 value of permanent signs, manufactured by the establishments classified to this industry and shipped on a lease or rental basis during the year, has been shown in Table 7 in the amount of \$5,280,190.
- (b) Table 8, covering the shipments of goods of own manufacture by all industries, reflects for both 1962 and 1963 the combination of the activity carried out by the industry proper and of that collected on the special commodity schedules. In other words, the shipments of the permanent signs shown are those made by the industry plus similar shipments by establishments no longer classified to manufacturing; and the footnote to this table, giving the value of such permanent signs shipped on a lease or rental basis during each year, also combines such shipments by both the industry proper and by these other establishments.

A list of the establishments classified to this industry in the 1963 survey will be found at the end of this report.

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 A. Principal Statistics classified by Province, 1962 and 1963

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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	371	2,999	6,361	11,204	624	15,056	39,552	24,243 ^f	249	1,086	4,154	17,311	33,415 ^f
1962													
Newfoundland	3	x	x	x	x	x	x	x	x	x	x	x	x
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	6	22	53	93	6	98	244	143	5	18	26	123	211
New Brunswick	9	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	73	579	1,307	2,066	118	2,336	6,777	4,338	52	221	751	3,044	4,759
Ontario	188	1,772	3,697	6,751	373	10,152	27,171	16,616	129	568	2,452	10,561	20,014
Manitoba	10	108	239	404	30	663	1,597	865	x	x	179	738	1,296
Saskatchewan	6	37	73	111	6	141	391	242	x	x	53	178	409
Alberta	38	180	372	767	39	766	2,478	1,627 ^f	24	94	270	1,186	3,494 ^f
British Columbia	49	360	706	1,673	51	1,358	4,262	2,865	28	108	522	2,531	7,652
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	382	3,121	6,594	12,076	635	15,792	43,691	27,170 ^f	245	1,031	4,333	18,652	38,320 ^f
1963													
Newfoundland	3	x	x	x	x	x	x	x	x	x	x	x	x
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	4	22	—	87	5	98	217	109	3	14	26	118	185
New Brunswick	9	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	76	604	1,336	2,145	116	2,501	7,217	4,647	45	192	803	3,308	5,146
Ontario	185	1,658	3,490	6,521	407	10,306	26,430	16,213	120	585	2,346	10,635	19,995
Manitoba	12	138	288	532	28	508	1,508	1,030	3	8	214	874	1,527
Saskatchewan	8	47	91	151	10	101	410	299	5	17	69	234	414
Alberta	39	180	376	768	40	759	2,062	1,365	22	92	263	1,244	3,234
British Columbia	51	400	793	1,979	52	1,333	3,952	2,596	27	116	573	3,193	7,157
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	387	3,123	6,594	12,419	676	15,908	42,640	26,790	228	1,033	4,391	19,938	38,239

TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000	77	9	16	24	15	123	462	325	74	203	11	29	339
\$ 10,000 to \$ 24,999	93	110	224	345	34	387	1,585	1,165	91	392	129	401	1,204
25,000 " 49,999	62	204	434	668	43	582	2,145	1,520	43	205	265	844	1,534
50,000 " 99,999	61	405	857	1,499	96	1,279	4,387	3,016 ^r	29	184	563	2,119	4,011 ^r
100,000 " 199,999	38	441	928	1,686	95	1,968	5,401	3,362	8	47	612	2,561	4,570
200,000 " 499,999	31	714	1,590	2,943	139	4,128	10,464	6,191	—	—	993	4,554	9,806
500,000 " 999,999	11	517	1,086	1,860	93	2,997	7,325	4,286	—	—	702	2,903	5,237
1,000,000 " 4,999,999	9	721	1,459	3,051	120	4,328	11,922	7,305	—	—	1,058	5,241	11,619
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	382	3,121	6,594	12,076	635	15,792	43,691	27,170^r	245	1,031	4,333	18,652	38,320^r
1963													
Under \$10,000	70	12	24	30	7	108	436	324	65	195	15	36	345
\$ 10,000 to \$ 24,999	97	114	238	338	13	442	1,642	1,190	84	368	142	428	1,204
25,000 " 49,999	64	197	420	655	43	606	2,256	1,608	46	241	249	864	1,710
50,000 " 99,999	60	402	842	1,474	95	1,367	4,344	2,882	31	214	548	2,070	3,728
100,000 " 199,999	44	496	1,065	2,089	139	2,209	6,277	4,063	2	15	727	3,282	6,196
200,000 " 499,999	33	705	1,503	2,794	140	4,272	10,321	6,048	—	—	1,005	4,725	8,652
500,000 " 999,999	12	547	1,152	2,134	127	3,033	7,993	4,886	—	—	787	3,572	6,351
1,000,000 " 4,999,999	7	650	1,351	2,905	111	3,871	9,349	5,789	—	—	918	4,964	10,053
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	387	3,123	6,594	12,419	676	15,908	42,640	26,790	228	1,033	4,391	19,938	38,239

TABLE 1 C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000	104	20	42	62	22	214	786	550	99	306	25	77	585
\$ 10,000 to \$ 24,999	102	204	420	642	51	680	2,396	1,666	94	425	250	750	1,688
25,000 " 49,999	66	321	678	1,101	69	1,067	3,578	2,431	38	212	439	1,538	2,910
50,000 " 99,999	47	449	940	1,709	108	1,798	5,267	3,389 ^r	12	81	629	2,540	4,642 ^r
100,000 " 199,999	30	543	1,212	2,208	112	2,903	7,180	4,127	2	7	740	3,279	5,862
200,000 " 499,999	25	875	1,868	3,395	164	5,587	13,848	8,182	—	—	1,229	5,547	11,491
500,000 " 999,999	5	393	807	1,560	74	2,351	6,097	3,584	—	—	520	2,482	3,688
1,000,000 " 4,999,999	3	316	627	1,399	35	1,192	4,539	3,241	—	—	501	2,439	7,454
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	382	3,121	6,594	12,076	635	15,792	43,691	27,170^r	245	1,031	4,333	18,652	38,320^r
1963													
Under \$10,000	95	29	59	70	9	196	739	536	92	302	32	77	562
\$ 10,000 to \$ 24,999	109	209	439	675	38	753	2,551	1,765	86	408	258	849	1,971
25,000 " 49,999	58	276	584	973	70	1,012	3,100	2,023	33	198	370	1,375	2,649
50,000 " 99,999	59	500	1,062	1,959	136	2,237	6,407	4,051	17	125	728	3,014	5,412
100,000 " 199,999	37	655	1,391	2,677	168	3,893	9,053	5,210	—	—	963	4,496	8,289
200,000 " 499,999	19	600	1,296	2,360	110	3,366	9,160	5,735	—	—	839	3,899	7,149
500,000 " 999,999	10	854	1,763	3,704	144	4,451	11,630	7,470	—	—	1,201	6,229	12,308
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	387	3,123	6,594	12,419	676	15,908	42,640	26,790	228	1,033	4,391	19,938	38,239

TABLE 1 D. Principal Statistics classified by Size Groups based on Total Value Added, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1962													
Under \$10,000	100	18	38	56	21	196	743	527	96	293	20	61	531
\$ 10,000 to \$ 24,999	106	206	424	648	52	699	2,439	1,689	97	437	255	765	1,742
25,000 "	54	232	496	782	52	753	2,715	1,912	38	212	301	1,040	1,930
50,000 "	46	404	819	1,414	79	1,562	4,682	3,081	11	74	562	2,056	3,320
100,000 "	32	492	1,107	1,931	107	2,694	6,600	3,760	3	15	673	2,874	4,590
200,000 "	28	783	1,706	3,081	157	4,744	11,893	7,100 ^r	—	—	1,112	5,073	9,018 ^r
500,000 "	12	614	1,261	2,522	114	3,545	9,356	5,554	—	—	842	4,043	8,733
1,000,000 "	4	372	743	1,642	53	1,599	5,263	3,547	—	—	568	2,740	8,456
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	382	3,121	6,594	12,076	635	15,792	43,691	27,170 ^r	245	1,031	4,333	18,652	38,320 ^r
1963													
Under \$10,000	93	27	56	66	9	191	727	529	88	291	31	76	534
\$ 10,000 to \$ 24,999	105	181	383	578	32	657	2,323	1,637	84	393	220	709	1,670
25,000 "	53	212	448	699	47	809	2,632	1,778	39	224	276	961	1,832
50,000 "	56	442	938	1,625	99	1,853	5,476	3,546	16	118	619	2,396	3,889
100,000 "	38	586	1,249	2,360	131	3,079	7,730	4,574	1	8	818	3,686	5,768
200,000 "	27	711	1,536	2,873	157	4,008	10,344	6,262	—	—	1,024	4,748	8,569
500,000 "	12	667	1,399	2,703	133	4,000	10,000	6,238	—	—	923	4,515	8,522
1,000,000 "	3	297	587	1,516	68	1,311	3,409	2,226	—	—	480	2,847	7,455
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	387	3,123	6,594	12,419	676	15,908	42,640	26,790	228	1,033	4,391	19,938	38,239

TABLE 1 E. Principal Statistics classified by Size Groups based on Total Employed, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000			\$'000
1962													
Under 5 employed	193	161	333	527	64	759	2,879	2,058	186	725	190	619	2,111
5- 14 employed	108	596	1,262	2,125	128	2,072	6,834	4,657 ^r	53	269	818	2,971	5,408 ^r
15- 49 " "	63	1,146	2,487	4,580	243	6,899	16,828	9,718	6	37	1,607	7,141	14,284
50- 99 " "	12	596	1,292	2,484	105	3,366	9,145	5,704	—	—	843	4,015	7,266
100-199 " "	6	622	1,220	2,360	95	2,696	8,005	5,033	—	—	875	3,906	9,251
200-499 " "													
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	382	3,121	6,594	12,076	635	15,792	43,691	27,170 ^r	245	1,031	4,333	18,652	38,320 ^r
1963													
Under 5 employed	202	198	418	623	46	694	3,259	2,326	183	746	241	767	2,372
5- 14 employed	105	637	1,366	2,383	157	2,455	7,840	5,256	44	279	663	3,351	6,182
15- 49 " "	63	1,116	2,376	4,502	253	6,917	16,500	9,491	1	8	1,649	7,795	14,089
50- 99 " "	12	579	1,218	2,427	131	3,259	8,718	5,449	—	—	831	3,903	7,026
100-199 " "	5	593	1,217	2,484	89	2,382	6,323	4,268	—	—	807	4,122	8,571
200-499 " "	—	—	—	—	—	—	—	—	—	—	—	—	—
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	387	3,123	6,594	12,419	676	15,908	42,640	26,790	228	1,033	4,391	19,938	38,239

TABLE 1 F. Principal Statistics classified by Type of Organization, 1962 and 1963

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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Individual ownerships	188	287	578	947	90	1,117	3,881	2,681	185	755	323	1,069	2,803
Partnerships	32	108	232	365	21	418	1,431	994	60	276	125	408	1,007
Incorporated companies	163	2,726	5,784	10,764	524	14,257	38,379	23,495 ^f	...	...	3,885	17,175	34,510 ^f
Cooperatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	382	3,121	6,594	12,076	635	15,792	43,691	27,170^f	245	1,031	4,333	18,652	36,320^f
1963													
Individual ownerships	173	241	508	797	60	1,048	3,474	2,374	173	753	268	887	2,514
Partnerships	29	91	190	305	19	347	1,256	890	55	280	101	337	899
Incorporated companies	185	2,791	5,896	11,316	596	14,514	37,910	23,527	-	-	4,022	18,714	34,825
Cooperatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	387	3,123	6,594	12,419	676	15,908	42,640	26,790	228	1,033	4,391	19,938	38,239

TABLE 2. Industry Output, Input and Value Added, 1962 and 1963

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
	\$'000					
Output						
1. Shipments and other revenue	43,691	42,640	11,751	12,081	55,442	54,721
Inventories — Goods of own manufacture:						
Add closing — Goods in process	1,262	1,845	...	...	1,282	1,845
Finished goods	465 ^r	606	...	...	465	606
Less opening — Goods in process	1,496	1,298	...	...	1,496	1,298
Finished goods	346 ^r	419	...	...	346	419
2. Net inventory change	(95)	734	...	...	(95)	734
3. Gross output (1 + 2)	43,596	43,374	11,751	12,081	55,347	55,455
Input						
4. Purchases of goods not of own manufacture .....	...	...	351	366	351	366
Inventories — Goods not of own manufacture:						
Add opening .....	...	...	8	10	8	10
Less closing .....	...	...	9	21	9	21
5. Cost of goods sold (not of own manufacture) .....	...	...	350	355	350	355
6. Materials, supplies, components and semi-processed goods	15,792	15,908	250	278	16,042	16,186
7. Fuel and electricity	635	676	...	...	635	676
8. Gross input (5 + 6 + 7)	16,427	16,584	600	633	17,027	17,217
Census value added (3 - 8)	27,170 ^r	26,790	11,151	11,448	38,320 ^r	38,239

TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total employees		Production and related workers		Admin- istra- tive and office	Sales and distri- bution	Total salaries and wages
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
	number										\$'000				
1962															
Newfoundland	x	x	—	—	x	x	x	—	x	x	x	—	x	x	x
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	22	—	—	—	2	1	1	—	25	1	93	—	19	11	123
New Brunswick	x	x	—	—	x	x	x	—	x	x	x	—	x	x	x
Quebec	523	56	10	1	73	41	46	1	652	99	2,066	47	625	305	3,044
Ontario	1,527	245	9	2	305	184	167	13	2,008	444	6,751	27	2,552	1,232	10,561
Manitoba	102	6	—	—	32	14	23	2	157	22	404	—	219	115	738
Saskatchewan	36	1	—	—	10	3	3	—	49	4	111	—	56	11	178
Alberta	170	10	10	—	36	19	24	1	240	30	767	23	235	161	1,186
British Columbia	348	12	—	—	83	38	40	1	471	51	1,673	—	580	278	2,531
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	2,790	331	29	3	553	303	306	18	3,678	655	12,076	97	4,362	2,117	18,652
1963															
Newfoundland	x	x	—	—	x	x	x	—	x	x	x	—	x	x	x
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	22	—	—	—	2	1	1	—	25	1	87	—	21	9	118
New Brunswick	x	x	—	—	x	x	x	—	x	x	x	—	x	x	x
Quebec	549	55	8	—	98	38	55	—	710	93	2,145	46	779	338	2,308
Ontario	1,409	249	13	—	309	182	174	10	1,905	441	6,521	61	2,632	1,421	10,635
Manitoba	129	9	—	—	35	24	17	—	181	33	532	—	259	82	874
Saskatchewan	46	1	—	—	10	6	6	—	62	7	151	1	57	25	234
Alberta	170	10	2	—	37	19	25	—	234	29	768	12	271	192	1,244
British Columbia	380	20	—	—	86	46	41	—	507	66	1,979	—	868	347	3,193
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	2,778	345	23	—	592	320	323	10	3,716	675	12,419	120	4,975	2,425	19,938

TABLE 3A. Production and Related Workers, - Manufacturing Activity, by Months, 1962 and 1963

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January	2,289	265	2,406	329
February	2,325	309	2,362	317
March	2,396	336	2,411	343
April	2,408	350	2,448	336
May	2,433	329	2,458	361
June	2,542	311	2,549	346
July	2,595	300	2,581	322
August	2,535	321	2,517	347
September	2,552	336	2,519	344
October	2,532	348	2,450	341
November	2,448	334	2,427	323
December	2,201	296	2,351	318
Average for establishments reporting monthly detail (collected only for large establishments) ..	2,467	327	2,463	334
Average for small establishments (only annual averages collected)	323	4	315	11
Average for all establishments	2,790	331	2,778	345

TABLE 4. Industry Inventories, 1963

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	x	x	x	x	—	x
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	13	7	2	22	—	22
New Brunswick	x	x	x	x	—	x
Quebec	489	153	18	660	2	662
Ontario	1,561	865	344	2,770	--	2,771
Manitoba	187	30	37	254	—	254
Saskatchewan	34	13	--	47	—	47
Alberta	181	52	--	234	—	234
British Columbia	322	152	10	484	8	492
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	2,849	1,298	419	4,566	10	4,576
Closing:						
Newfoundland	x	x	x	x	—	x
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	18	4	1	23	—	23
New Brunswick	x	x	x	x	—	x
Quebec	507	169	49	725	4	729
Ontario	1,458	1,205	499	3,163	--	3,163
Manitoba	156	89	36	282	—	282
Saskatchewan	42	14	--	56	—	56
Alberta	190	154	--	345	—	345
British Columbia	353	179	11	543	17	560
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	2,788	1,845	606	5,239	21	5,260

TABLE 5. Purchased Fuel and Electricity Used in Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	70	88	2
(b) Imported	"	458	468	6
Sub-bituminous coal (from Alberta mines only)	"	6	7	--
Anthracite coal	"	979	138	2
Lignite coal	"	—	2	--
Coke	"	4	10	--
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	444,123	526,553	217
Fuel oil including kerosene or coal oil	"	554,519	529,712	78
Wood	cord	60 ^f	6	--
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	16,842	13,934	6
(b) Other manufactured gas	M cu.ft.	—	—	—
(c) Natural gas	"	93,217	121,458	90
Other fuel .....	...	--	...	2
Electricity purchased	kwh.	9,967,314	11,389,630	220
Steam purchased .....	...	2	...	1
2. Estimate for small establishments:				
Fuel and electricity .....	...	78	...	52
3. All establishments:				
Total fuel and electricity used .....	...	635	...	676

TABLE 6. Materials and Supplies - Manufacturing Activity, 1962 and 1963

Description	Cost	
	1962	1963
	\$'000	
1. Materials used:		
All materials and components used ¹	14,121 ^r	14,207
2. Containers and other packaging materials and supplies used	415	476
3. Operating, maintenance and repair supplies used (excluding fuel)	921	660
4. Amount paid out to others for work done on materials owned by establishments	336	565
Totals	15,792	15,908

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,110,856. in 1962 and \$1,196,748 in 1963.

TABLE 7. Shipments of Goods of Own Manufacture, 1962 and 1963

Description	Value	
	1962	1963
1. Products:		
Signs, electric	8,862	8,308
Signs, non-electric:		
Permanent:		
Metal	2,325	2,303
Plastic	913	1,221
Other (hardwood, plywood etc.)	1,860	2,393
Non-permanent:		
Showcards, streamers etc. (card, paper, cloth, etc.)	2,616	2,314
Fluorescent lighting fixtures, commercial and residential	70	1
Advertising displays (complete)	10,489	9,504
Display stands advertising, etc.	2,416	2,515
Sign letters:		
Plastic	195	224
Other	84	445
Estimated value of signs shipped on a lease or rental basis	6,922	5,280
All other products	3,433	4,237
2. Amount received in payment for work done on materials and products owned by others	3,717	3,992
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above	(211)	(96)
Total adjusted value of shipments and work done	43,691	42,640

¹ Confidential included with "All other products".

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries,¹ 1962 and 1963
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	Value	
	1962	1963
	\$'000	
Signs electric:		
Neon and other luminous tube	6,203	5,497
Other electric	3,048	2,874
Signs non-electric:		
Metal	4,163	4,057
Plastic	1,517	2,091
Other	2,294	3,139
Totals	17,225	17,658

¹ In addition to these signs which were shipped on an outright sales basis, the following were manufactured but shipped on a lease or rental basis:

	Value	
	1962	1963
	\$'000	
Signs, electric:		
Neon and other luminous tube	7,295	5,205
Other	36	226
Signs, non-electric	575	467
Totals	7,906	5,898

List of Establishments classified to This Industry, 1963

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

Name	Location
Newfoundland:	
Day-Nite Nfld. Limited	Portugal Cove Road, St. John's
Neon Sales & Services Ltd.	George St., St. John's
Signs & Sales	80 Hamilton Ave., St. John's
Nova Scotia:	
Day-Nite Neon Signs Ltd.	39 Bilby St., Halifax
Pigot Showcards	5480 Spring Garden Rd., Halifax
Shields Signs	Enfield
Tremblay, J.W.	10 Rufus Ave., Fairview
New Brunswick:	
Atlantic Neon Signs Ltd.	25 Summer St., Saint John
Dunbar Signs & Showcards	85 Germain St., Saint John
Eastern Sign & Display Service Ltd.	61 Elgin St., Saint John
Imperial Signs Ltd.	Edmundston
Johnston Signs Limited	351 Collishaw, Moncton
Neon & Plastic Signs Ltd.	372 Rothesay Ave., Saint John
North Shore Signs	1155 Model Ave., Bathurst
Plasticraft Ltd.	21 Wall Street, Saint John
Star Neon Sign Co. Ltd.	5 High St., Moncton
Quebec:	
Acme Advertising Studios	2039 Des Carrières St., Montréal
Adept Displays Limited	955 Amherst St., Montréal 14
Art Decor, Enr.	82 Blvd. Cartier, Rivière-du-Loup
Associated Clock Industries Ltd.	298 Charon St., Montréal 22
Auger, Lionel	420 rue, St. Zotique E., Montréal 10
Bohemier Neon Inc.	600-5 1 ^{ère} Rue, St. Antoine Des Laurentides, Cté Terrebonne
Bourassa, Rosario	912 rue Bonaventure, Trois-Rivières
Brouillette Signs Limited	298 Charron St., Montréal 22
Canada Graphic Reg'd.	4715 Christophe Colomb Ave., Montréal 34
Caron Signs Ltd.	3421 Peel St., Montréal 2
Central Neon Shop Co.	4691 Papineau Ave., Montréal 34
Commercial Neon Inc.	150 Ave., De La Cathédrale, Rimouski
Coulombe Enseignes Enr'g.	137 rue Rouleau, Rimouski
Creative Plastic Ltd.	St. Dorothy
Desrochers, J.M.C. & Fils Inc.	8115 De Gaspé, Montréal
Dominion Neon Inc.	3535 rue Rouen, Montréal 4
Dorais Signs & Displays	47 rue La Gare, St. Sauveur Des Monts
Dymet Limited	5555 Casgrain St., Montréal 14
Emboss-O-Type Ltd.	957 Amherst St., Montréal 24
Enseignes par Ethier	Maniwaki
Enseignes Patenaude Signs Inc.	8280 Taschereau Blvd., Ville de Brassard
Enseignes Quebec Inc.	1257 Vincent Massey, Quebec
Enseignes Terio Signs	RR #3, St. Jérôme
Excel Screen Displays Reg'd.	1212 Craig E., Montréal 24
Fecteau Signs Enr'g.	7 1 ^{ère} Rue, Proulx Laval Des Rapides
François Outdoor Signs Ltd.	2408 Bourbonniere St., Montréal
Gravel, J.P.	2498 St. Olivier, Trois-Rivières
Green Bros. Signs Ltd.	4259 St. Dominique St., Montréal
Grenier A.D. Enr'g.	850 St. Honore, Quebec
Grenier Guy	3335 Ch. St. Louis, Ste-Foy 10
Industrial Advertising Reg'd.	207 Notre Dame St. W., Montréal 1
International Advertising Products Co.	125 Gagnon St., St. Laurent, Montréal 9
L.B. Plastic Enr'g.	9180-12 1 ^{ère} Avenue, Ville St. Michel, Montréal 30
La Compagnie Morin & Fils Limitée	60-4th Ave., Montmagny
Lapointe, Richard	258 Emile St., Victoriaville
Laurentide Displays Inc.	Chomedey
Lebaron Associates	3524 St. James St. W., Montréal 30
Levis Engraving Co. Reg'd.	Levis
Martin Enseignes Enr'g.	3051 Blvd Laurentien, St. Laurent
Mercury Displays Ltd.	1015 William St., Montréal
Metropole Neon Signs Ltd.	5640 De La Roche St., Montréal 10
Miller Commercial Displays Ltd.	3508 Albert St., Montréal 30
Modern Florence Signs Reg'd.	1973 St. James St. W., Montréal 3
Modern Neon Sign Co. Ltd.	2110 Church Ave., Montréal 29
Modern Signs	52 St. Jean Baptiste, Hull
Morgan-Worsnip Signs	715 Notre Dame St. W., Montréal
Montreal Sign Co.	2024 McGill College Ave., Montréal 2
Morris Neon Service Co.	705 Notre Dame St. W., Montréal 3
National Advertising Signs Ltd.	9130 Park Avenue, Montréal 11
National Sign Co. Ltd.	20 rue Dorchester, Quebec
Neon Sign Servicing Co. Reg'd.	14 Maguire St., Montréal 14
Northern Neon Works Reg'd.	299 Mgr. Tessier, Ouest, Rouyn
Paquet Neon Signs Enr.	115 Bernatchez, Quebec, Ouest
Paquin Neon Enr'g.	St. Antoinnes-des-Laurentides
Paquin Signs	2773 Ontario East, Montréal 24
Paramount Enterprises Ltd.	999 College St., Montréal 30
Plasticrafts Ltd.	240 St. François St. South, Sherbrooke
Plastic Signs & Products Ltd.	1090 Vincent Massey, Quebec 8
Poitras, P.E.	1265 Borne, Quebec
Professional Signs	387 St. Lawrence Blvd., Montréal
St. Onge, D., Ltée.	23 rue Dufferin, Granby
Sayer, Fred, Signs	6350 St. Lawrence Blvd., Montréal 14
Sign Shop; The,	3419 Doré, Montréal 18
Simoneau Enseignes Mobiles Ltée	Thetford Mines
Spectolite Co. Reg'd.	Trois-Rivières

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
Quebec - Continued	
Stanway Signs Co. Reg'd.	989 Notre Dame St. West, Montreal 3
Star Sign Co. Reg'd.	2108 Clark St., Montreal
Studio Roy Enr'g.	3 Courcellette Ave., Quebec
Super Neon Enr'g.	13 Croft St., St. Jean Eudes
Tasse Neon Inc.	7171-A rue Iberville, Montreal 35
Taylor Advertising Ltd.	425 River St., Verdun
Tompkins, H.B. & Son Ltd.	733 Versailles St., Montreal
Trans-Canada Displays Inc.	9911 St. Michel Blvd., Montreal North 29
Trans-Canada Signs Ltd.	4295 Iberville St., Montreal 34
Ungar Signs Reg'd.	4517 Colonial Ave., Montreal 14
Universal Plastic Sign Inc.	7934-14th Avenue, Ville St. Michel
Walters, W.B., Sign Co.	1337 Bonaventure St., Montreal 3
Ontario:	
Able Art Display Co.	97 Church St., Totonto 1
Acme Signs	25 South Edgely Ave., Scarborough
Acme Neon Signs (Windsor) Ltd.	2490 Central Ave., Windsor
Acme Neon Signs (London) Ltd.	477 Wharnccliffe Rd., London
Acme Neon Signs (Kitchener) Ltd.	193 Borden Ave. S. Kitcher
Ad-Signs	1417 Crawford Ave., Kitchener
Advertising by Joe Owen	48 Ellen St., Barrie
Alliance Display Industries Ltd.	416 Bloor St. E., Toronto 5
Aluminum and Plastic Sign Mfg. Co.	3008 Danforth Avenue, Toronto 13
Andy's Sign Shop	134 Young St. N., Aurora
Annis-Way Signs Ltd.	595 West St. S., Orillia
Apex Neon	45 Bertal Rd., Toronto 15
Art Interchangeable Sign Co.	(Rear) 813 Queen St. W., Totonto 3
Art Rite Advertising	225 St. Leger St., Kitchener
Ashdown & Son	29½ Queenston St., St. Catharines
Austin Displays Ltd.	407 Birchmount Rd., Scarborough
Banner Sign & Display Co.	1116 Bathurst St., Toronto 4
Barber Industries	50 Market St., Georgetown
Bay-Bloor Signs	719 Young St., Toronto 5
Bay City Signs Limited	810 Cassells St., North Bay
Baylen Signs	48 Abell St., Toronto 3
Bell, Ken, Real Estate Signs	41 Dovercourt Rd., Toronto 3
Bennett's Signs	145-8th Highway, Stoney Creek
Bokkers Bert	131 Albert St. Oshawa
Rooth Signs Co. Ltd.	265 King St. W., Toronto 2B
Brady W.H. Co. of Canada Ltd.	1422 Kipling Ave. N., Rexdale
Brill-Light Neon Signs Limited	16 Advance Rd., Toronto 18
Broderick, M.C. Limited	359 Horton St., London
Bruce Advertising Limited	136 Sinnott Rd., Scarborough
Buehier, Norman Signs	Jacobs
Bullock Signs	479 Sommerset St. W., Ottawa 4
Bunnt Signs	572 Dundas St., London
Burdick Metal Industries Ltd.	132 Brandon Ave., Toronto 4
Burrows, R.L., Signs	11 Dunke St. N., Elmira
Burton Signs	761 Albert St., Ottawa 4
CDL Signs	33 Harrison Ave., Port Credit
C.V.&M. Display Enterprises Ltd.	507 MacGregor Ave., London
Capital Signs	35 Mansion Ave. Scarborough
Caplan Signs	387 Keele St. Toronto
Catalano's Wire Products	588 Gerrard St. E., Toronto 8
Charles Sign & Display Studio Ltd.	84 Harbord St., Totonto
Clarke Production Ltd.	111 Mercer Street, Dundas
Claus Theatrical Display	140 Rebecca St., Hamilton
Cocksedge Signs	RR1, Niagara Falls
Commercial Art Signs and Displays	108 S. Court St., Port Arthur
Cook's Signs	84 Woodward Ave., Brampton
Commercial Outdoor Advertising	501-Sixth Ave. South, Kenora
Creative Display Advertising Ltd.	850 York Mills Road, Don Mills
Creative Signs Ltd.	2605 Dundas St. W., Toronto
D & L Plastics	Larose Ave., Weston
Dana Designs Ltd.	620 Richmond St. W., Toronto 5
D'Art Advertising	40 Ontario St. S., Kitchener
Day Sign Company Limited	17 Cornwall St., Toronto 2
Dean Signs Ltd.	Peterborough
Deluxe Signs Ltd.	284 Memorial Ave., Port Arthur
Demers Neon & Electric Ltd.	1041 Gladstone Ave., Ottawa
Design-Craft Ltd.	340 Dufferin St., Toronto 3
De Vry, John, Signs	405 Romeo St., Stratford
Disney Display Ltd.	952 Queen St. W., Toronto 3
Display Service Company Ltd.	103 Queen St. E., Toronto 1
Dobson Signs	239 Dundas St. E., Trenton
Dominion Signs Ltd.	11 West St., Brantford
Dudgeon, John, Signs	87 Norfolk St., Guelph
Dudley Roy Signs	2866 Victoria Park Ave., Agincourt
Dufferin Displays Ltd.	85 Nantuckett Blvd., Scarborough
Dymont Limited	245 Carlaw Ave., Toronto 8
Earl's Neon Displays	457 Gladstone Ave., Ottawa
Eddy Stephan Signs	953 King St. E., Hamilton
Ellicott Sign & Display Studio	335 Sunset Blvd., Peterborough
Emond Creative Signs	904 Pembroke St., Pembroke
Entwistle's Sign Studio	386 Plains Rd., Toronto 6
Ernie's Signs Ltd.	16 Young St. N., Sudbury
Ford Signs	140 St. Clarens Avenue, Toronto 3
Franken, Joe, Advertising Ltd.	2593 Victoria Park Ave., Scarborough
Geron Associates Ltd.	63 Howden Road, Scarborough
Gons Signs of London	543 Third Street, London

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
Ontario - Continued:	
Gorrie Advertising Ltd.	200 Bridgeland Ave., Toronto 19
Greetham Industries Ltd.	10 Gower St., Toronto 16
Gulbert, Pierre, Ltd.	360 Montreal Rd., Eastview
Gurney Signs	189 Sydenham St., Kingston
Hamilton Screen Arts	86 Birge St., Hamilton
Hamilton Signs Ltd.	57 Wilson St., Hamilton
Harrison Bros.	2461 St. Clair Ave. W., Toronto 9
Harvey Signs	351 Booth St., Ottawa
Hayes, B.L., Ltd.	56 King St. N., Waterloo
Heath Signs	2547 Eglinton Ave. East, Scarborough
Herman Heck-Displays	67 Crockford Blvd., Scarborough
Hope Neon	1615 Warden Ave., Scarborough
J. & E. Signs Displays	20 Liberty Street, Toronto 3
Jackson's Display Signs Ltd.	337 Bering Ave., Toronto 18
Jambor & Osborne Display	31 Ripley Ave., Toronto 3
Janzen & Carter	128 Pears Ave., Toronto 5
John's Neon Signs Ltd.	5-First Avenue, Schumacher
Johnstone Signs Ltd.	964 Queen St. W., Toronto 3
Jones Neon Displays Limited	830 Dunn Ave., Hamilton
Joy Studios	680 King St. West., Toronto 2
Jukes, Rube & Son	111 Whitney Place, Kitchener
Kent Sign Company	434 Balmoral Ave., Port William
King Plastic Industries	165 Eileen Ave., Toronto 9
Kramer & Morris Signs	1114 College St., Toronto 4
Kupper's Signs & Advertising	127 Carlton Ave., Welland
Levey Signs	1402 Eglinton Ave. W., Toronto 12
London Screen Process Ltd.	320 Colborne St., London
Lovett Signs	134 Bristol Street, Guelph
McCowan, David A.	79 Main St., Toronto 13
Macey Neon Signs Limited	976 Middlegate Rd., Cooksville
Mafra Signs	25 Chauncey Ave., Toronto 18
Magic Signs	607 Wellington Rd., London
Marksall Industries Ltd.	122 Laird Dr., Leaside
Mechanical Advertising Ltd.	838 Ritson Rd. S., Oshawa
Merchandise Display Advertising Ltd.	73 Howden Rd., Scarborough
Monarch Sign & Display Co.	551 Eastern Ave., Toronto
Morris Bernard	559 Melrose Ave., Toronto 12
Myers Industries	125 Mary St., Lindsay
Neon By Dunton	24 Chauncey Ave., Toronto
Neon Craft Signs	7 Oxford St., Sault Ste. Marie
Neon Products of Canada Ltd.	555 Ellesmere Road, Scarborough
Nitegio of Canada Ltd.	6 Main St., Lambeth
Octopus Products Ltd.	200 Geary St., Toronto
Ontario Stamp & Stencil Works	65 Norman Ave., Hamilton
Parsons Sign & Display Advertising Ltd.	Tillsonburg
Pearce Signs (Canada) Ltd.	47 Milford Ave., Toronto
Pendlebury Signs	1490 Main St. E., Hamilton
Perry's Arts & Signs	4c Edward St., Hamilton
Pictorial Display	700 Queen St. E., Toronto 8
Plasmet Specialty Products	36 McGee St., Toronto 8
Plastic Metals Industries	Woodbridge
Price Signs & Displays Ltd.	240 Mattawa St., North Bay
Quality Fixture Co.	19 Draper St., Toronto 2B
Queensway Signs	30 Stock Ave., Toronto 18
R-V Signs & Displays	150 Pearl St., Toronto
Rainbow Neon Signs	39 Barrette St., Eastview
Rand Specialties	300 Enford Road, Richmond Hill
Ray Neon Sign Co. Ltd.	457 Gladstone Ave., Ottawa 4
Reliable Sign Co.	248 A Dundas St., London
Ring Rose Sign Co. Ltd.	Warton
Robinson Signs	290 Shuter St., Toronto 2
Romoc Products Co. Ltd.	33 Jutland Road., Toronto 18
Ross Warren Studio	90 Centre St. E., Richmond Hill
Ruddy, E.L. Company Ltd.	1505 Queensway, Toronto 18
Ruddy, E.L. Co. Ltd. (Hamilton Plant)	610 King Street, West, Hamilton
Rudolph Enterprises	404 Livingston Rd. N. West Hill
St. Thomas Metal Signs Ltd.	142 Talbot St., St. Thomas
Saunders Display Advertising Ltd.	63 Hodden Rd., Scarborough
Shaefer-Ross (Canada) Ltd.	37 Hanna Ave., Toronto 3
Screencraft Processors	Head Street, Dundas
Service Sign Co.	402½ Richmond St., London
Signcraft Industries	16 Dohme Ave., Toronto 16
Silhouette Signs Ltd.	9 Alcan St., Toronto 14
Silkraft	675 King St. W., Toronto 2B
Simlite Limited	70 Howden Rd., Toronto 16
Smith, Sydney Signs	74 Foster Ave. S., Belleville
Smith Sign Co. Ltd.	27 Musgrove St., Toronto 13
Somerville Industries Limited	11 Lesmill Rd., Don Mills
Spectrum Signs	551-10th Ave., Port Arthur
Stan Hinton Designs	188 Finch, E., Toronto
Staples Display Advertising Ltd.	15 Brandon Ave., Toronto 4
Steel Art Co. Ltd.	1615 Warden Ave., Scarborough
Sterling Pattern Works	14 Crockett St., Hamilton
Stevens Signs & Display Limited	258 Horton St., London
Stuart Display	34 Wood St., Brantford
Styroplast Display Co.	1221 Warden Ave., Scarborough
Superior Signs & Screen Process	3420 Claireview, Riverside
Target Signs Ltd.	98 Richmond St., E., Toronto 1
Tek Plastics Limited	150 Rexdale Blvd., Rexdale
Terry Peck Signs	90 Dover St., Chatham
Thomas Plastics Limited	139 Oakdale Road, Downsview
Tippett Signs	1691 McCowan Road, Agincourt

List of Establishments classified to this Industry, 1963 - Continued

Name	Location
Ontario - Concluded:	
Triple A. Manufacturing Co. Ltd.	111 Manville Rd., Scarborough
United Sign Service	900 Dundas St., London
Wagner Signs Ltd.	15 Milford Ave., Toronto
Wakeling, George A. & Sons	537 Montreal St., Kingston
Walker Signs	395 Gladstone Ave., Ottawa
Walker Neon Signs Co.	833 Pillette Road, Windsor
Walton Signs & Displays	38 King St., Galt
Warden, G.C. Ltd.	614 First St., London
Ware Displays	11 Blong Ave., Toronto 8
Weston Wood Specialty Ltd.	7 Oak St., Weston
Wilcox Sign Co.	301 King St. W., Toronto
Wilson Plastic Signs Ltd.	50 Coleman Ave., Toronto
Wilson J.A. Display Limited	526 Kipling Ave., S., Toronto
Wolfe Bros. Advertising Industries Ltd.	5 McGee St., Toronto 8
Wright Metal Signs Ltd.	No. 6 Highway, Freelon
Young Signs	39 Young N., Sudbury
Zelling Studios	573 Tecumseh Rd. East, Windsor
Manitoba:	
Brandon Signs Ltd.	30-16th St., Brandon
Commercial Signs & Displays Ltd.	482 Brooklyn St., St. James
Don's Signs	Portage La Prairie
Duchon Bros. Signs Ltd.	468 Higgins Ave., Winnipeg 2
Fosh Signs & Displays Ltd.	357 Langside St., Winnipeg
Industrial Marketing Display Associates Ltd.	117 Lanark St., Winnipeg 9
Levit Sign Co. Ltd.	1695 Sargent Ave., Winnipeg 21
Mann Signs	1850 Ellice Ave., Winnipeg 21
Martel-Steward Western Ltd.	337 Pembina Highway, Winnipeg
Marv-Eon Signs Ltd.	957 Portage Ave., Winnipeg
Neon Products of Canada Ltd.	1235 Pembina Highway, Fort Garry
Surtees, Burt Signs	5214 Roblin Blvd., Winnipeg 20
Saskatchewan:	
A. & N. Sign Co. Ltd.	1220 Scarth St., Regina
Adrian Signs	Swift Current
Artcraft Signs	1171 Winnipeg St., Regina
Buckley Signs Ltd.	905-20th St. W., Saskatoon
Marveon Signs Western Ltd.	334 Avenue B South, Saskatoon
Neon Products of Western Canada Ltd.	1644 Osler St. Regina
Plasti-Lite Electric Signs	Box 10, Esterhazy
Signs Unlimited	259½ 3rd. Ave. S., Saskatoon
Alberta:	
A-1 Signs	121-17th Ave. S.E. Calgary
X-L. Sign Service	11349-81st Street, Edmonton
Airlite Neon Sign Company Limited	9839 Jasper Ave., Edmonton
Art-Craft Sign Studios	119-8th Ave. S.E. Calgary
Art Sign Co.	333-4th Ave. South, Lethbridge
Barrie Sign Studio	180-2nd St. N.E., Medicine Hat
Behrends Bronze Industries Ltd.	5720-96th, Edmonton
Blanchett Neon Ltd.	10224-109th St., Edmonton
City Sign Co., c/o Mike Pisko	527 Sixth St. South, Lethbridge
Color Craft Signs Ltd.	9561-101 A Ave. Edmonton
Commercial Signs Ltd.	10971-101st. St., Edmonton
Commercial Signs	314-3rd. Ave. S., Lethbridge
Cowan Bud Ltd.	11334 Jasper Ave., Edmonton
Darling Sign Products Ltd.	11751-124 Street, Edmonton
Eppy Displays & Signs Ltd.	10018-102nd Street, Edmonton
Ez Signs	516-6th Ave. S.E. Calgary
Gillett Signs	1224-9 Ave. S.E. Calgary
Halliwell Signs of Edmonton	10611-102nd St., Edmonton
Johnston Signs	6432 Lombardy Crescent, Calgary
Keyes Display & Signs	9506 11th Ave. Edmonton
Martinson Sign Service	1137-11 St. S.E., Calgary
Midland Signs Ltd.	10905-106 Ave., Edmonton
Mimura Dan Signs Ltd.	215-41 Ave., N.E. Calgary
National Neon Displays Ltd.	315-9th St. North, Lethbridge
Neon Contractors Ltd.	5305-1A Street S.W., Calgary
Neon Products of Western Canada Ltd., (Calgary Plant)	314-4th Ave. North, Calgary
Neon Products of Western Canada Ltd., (Edmonton Plant)	10829-105th Street, Edmonton
Neon Sales & Service Ltd.	909-15th St. S.W., Calgary
Patey Signs Ltd.	415-6th Ave. S.E., Calgary
Prairie Signs	Grande Prairie
Roepke Signs	807-11 Ave. S.W., Calgary
Signs By Silk Screen	812-3rd St. N.E., Calgary
Speiman Signs	6834 50th Ave., Red Deer
Taylor Sign Works, c/o Ernest L. Taylor	505-8th St. S.W., Calgary
Tioga Signs Ltd.	7059 Farrel Rd., Calgary
Veribrite Neon Signs	11408-80th Street, Edmonton
Vogue Sign Ltd.	1131 Eleventh St. S.E., Calgary
Wally's Signs	677-14th Street, S.W., Medicine Hat
Willis Plastic Signs	9944-78th Ave., Edmonton
Wilson E. Signs & Displays	610-3 Ave. S.W., Calgary

List of Establishments classified to This Industry, 1963 - Concluded

Name	Location
British Columbia:	
Albert & Todd Sign Ltd.	738 Yates St., Victoria
Alpha Sign Lettering Co.	2458 A Marine Dr. West, Vancouver
Alphine Sign Co.	2149 East, Hastings Street, Vancouver 6
Art Jones Signs	303 Third Ave., N.W., New Westminster
Art Sign Co. (Att B. Mitchell)	1030 Robson St., Vancouver 5
Bayliss Neon Sign Co. Ltd.	2519 Rock Bay, Victoria
Bob's Signs	536 Ward St., Nelson
Bob's Sign Shop	Chilliwack
Burton's Sign Shop	626 Gibbons Drive, Richmond
Challier Display Associates Ltd.	1451 Adanac St., Vancouver 6
Clay Signs Ltd.	2043 West 4th Ave., Vancouver 9
Clamor Signs & Services Ltd.	1451 Hornby St., Vancouver 1
Crestwood Sign & Display	22231 Lougheed, Hwy, Haney
Diamond Neon (Mfg.) Ltd.	725 West 7th Ave., Vancouver
Earl C. Signs	111 Nowell St. N., Chilliwack
Exclusive Displays	1255 Seymour St., Vancouver 2
Hall, David Sign Co. Ltd.	1420 Howe St., Vancouver 1
Heinz Signs	2351 Burrard Street, Vancouver 9
Jack's Color & Sign Service	Alberni
Kamloops Outdoor Advertising	340-12th Avenue, Kamloops
Kandie Signs & Displays	2120 Commercial Drive, Vancouver 12
L & L Signs	256 Westminster Ave. W., Penticton
Lacey Signs & Showcards	144 W. Hastings St., Vancouver 3
Mannix Sign & Display Ltd.	618 Herald St., Victoria
Marshall Signs	308 Fitzwilliam, Nanaimo
Neon Products of Canada Ltd., (Victoria Plant)	947 Fort Street, Victoria
Neon Products of Canada Ltd., (Vancouver Plant)	1865 Clark Drive, Vancouver
Neumann, Henry W. Signs Ltd.	719 Broadway, Vancouver
Nicoll Dave Signs	1140 Lonsdale Ave., North Vancouver
Pacific Neon Ltd.	750 Discovery St., Victoria 8
Rae Signs Ltd.	8265 Main Street, Vancouver 15
Reflecto-Lite Mfg. Ltd.	626 Kingsway, Vancouver
Sac Signs	22624 Lougheed, Hwy. Haney
Scollon Studios Ltd.	81 Robson Street, Vancouver 3
Scott Silk Screen Products	1047 Davie St., Vancouver 5
Sign Ads (B.C.) Ltd.	576 West 7th Ave., Vancouver
Signal Signs Ltd.	1201 Mitchell Road, Richmond
Sign-O-Lite Plastics Ltd.	8265 Main, Vancouver
Stewart Signs	1930 Cliffe St., Courtenay
Terry's Signs	1560 Water Street, Kelowna
Thomas Cemm & Sons	5640 Stamford St., Vancouver 14
Thomson, Eric, Displays Ltd.	2178 West 4th Ave., Vancouver 9
United Neon Ltd.	2008 West 4th Ave., Vancouver 9
Vancouver Publicity Arts Ltd.	1175 Kingsway, Vancouver 8
Vince, H.J., Sign Co.	833 W. Pender St. (Rear), Vancouver 1
W.-H. Signs	Trail
Walburn Neon Limited	1420 Howe St., Vancouver 1
Wallace Neon Limited	717 E Hastings St., Vancouver
Walker Display Associates Ltd.	1661 Franklin Street, Vancouver 6
Watkins Signs Ltd.	6344 Kingsway Burnaby 1
Zero Signs	1441-101 st. Ave., Dawson Creek

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 140 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures: (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the various 1963 reports reflect the complete implementation of these changes and enable comparisons to be made with the years 1961 and 1962. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

Head Offices and Auxiliary Units

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the

firm, when all establishments are in the same industry (3 or 4 digit). When establishments of such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

Employees

(a) Production and related workers – Manufacturing activity

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. Production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

(b) Production and related workers – Non-manufacturing activities

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

(c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers,

etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

(d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

(e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

Salaries and Wages

Salaries and wages refer to gross earnings of employees before deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages, bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any

other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

Materials and Supplies

(a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

(b) Non-manufacturing activities

1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of purchased machinery and equipment. Also included is the cost of office supplies not chargeable to

fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

Shipments

(a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

(b) Shipments of goods of own manufacture

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity are collected by means of the Commodity questionnaire referred to earlier. Such shipments together

with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

(c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

(d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

Inventories

(a) Manufacturing activities

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

(b) Non-manufacturing activities

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods

purchased for re-sale) and the cost of other materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

(c) By Total activities

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".



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