

CATALOGUE No.

47-209

ANNUAL



# SIGNS AND DISPLAYS INDUSTRY

## 1962

ANNUAL CENSUS  
OF MANUFACTURES

*Published by Authority of*  
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS  
Industry Division

May 1965  
6521-633

Price: 50 cents

### 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.
- preliminary figures.
- ⋆ revised figures.

# SIGNS AND DISPLAYS INDUSTRY

1962

Under 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.

For the 1962 survey, a change was made to incorporate the total activity approach as fully outlined in the Explanatory Notes contained at the end of this report. These total data were also collected in the 1961 survey, but were not published at that time. Many tables in this report reflect this increase in activity coverage, presenting both 1961 and 1962 figures.

A most important change, confined to this industry, was also carried out in the 1962 survey and the 1961 data were recompiled to conform to this new procedure. 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 through the use of the special commodity schedules.

The effect of this new approach, together with the major change made in the 1961 survey, has led to the following composition of the report tables:

- (a) Table 1 shows the principal statistics for the industry covering manufacturing activity only, based on the New Establishment Concept. In this table, the industry is confined to those establishments whose primary activ-

ity is manufacturing; the shipments of permanent signs on a lease or rental basis are not included under the "Value of shipments of goods of own manufacture", but these values do include the rental receipts received by these manufacturing establishments during the four years in question.

- (b) 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 1962 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 6 in the amount of \$6,922,000.
- (c) Table 8, covering the shipments of goods of own manufacture by all industries, reflects for both 1961 and 1962 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.

When this new framework is taken into account, it will be noted that activity within the industry, both manufacturing and non-manufacturing, increased from 1961 to 1962 as reflected in the tables in this report covering the industry proper for both of these years.

A list of the establishments classified to this industry in the 1962 survey will be found at the end of this report.

**TABLE 1. Principal Statistics - Manufacturing Activity,<sup>1</sup> 1957-61**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>2</sup>

Year	Estab- lish- ments	Employees						Cost of fuel and elec- tricity <sup>4</sup>	Cost of materials and supplies used <sup>4</sup>	Value of shipments of goods of own manu- facture <sup>4</sup>	Value added <sup>4</sup>
		Production and related workers <sup>4</sup>		Administrative and office employees <sup>3</sup>		Total <sup>4</sup>					
		Number	Wages	Number	Salaries	Number	Salaries and wages				
	No.		\$'000		\$'000			\$'000			
1957 .....	326	2, 324	7, 949	912	3, 862	3, 236	11, 811	577	10, 435	28, 372	..
1958 .....	338	2, 516	8, 594	940	4, 411	3, 456	13, 006	551	11, 363	31, 845	20, 102
1959 .....	328	2, 642	9, 630	948	4, 644	3, 590	14, 274	514	12, 074	34, 169	21, 704
1960 .....	346	2, 742	10, 119	1, 074	5, 491	3, 816	15, 610	525	12, 928	37, 779	24, 223
1961 .....	367	2, 747	10, 522	1, 100	5, 563	3, 847	16, 085	588	13, 989	40, 162	26, 145

See footnotes following Table 3 A.

**TABLE 1 A. Principal Statistics - Manufacturing Activity and Total Activity,<sup>1</sup> 1961 and 1962**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>2</sup>

Year and province	Estab- lish- ments	Manufacturing activity							Total activity					
		Production and related workers <sup>4</sup>			Cost of fuel and elec- tricity <sup>3</sup>	Cost of materials and supplies used <sup>4</sup>	Value of shipments of goods of own manu- facture <sup>4</sup>	Value added <sup>4</sup>	Working owners and partners <sup>5</sup>		Total employees <sup>7</sup>		Total value added <sup>6</sup>	
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages		
	No.		'000			\$'000				\$'000			\$'000	
1961														
Newfoundland .....	2	}	61	139	190	13	173	548	395	2	5	83	287	409
New Brunswick .....	8													
Nova Scotia .....	6	24	52	83	6	94	221	121	5	22	28	110	183	
Quebec .....	67	555	1,256	1,922	106	2,186	6,375	4,066	50	228	718	2,755	4,483	
Ontario .....	188	1,656	3,517	6,137	363	9,725	25,045	15,170	136	617	2,323	9,518	18,466	
Manitoba .....	10	106	220	359	22	505	1,307	796	"	"	163	625	1,095	
Saskatchewan .....	6	42	88	147	4	161	409	243	"	"	51	210	396	
Alberta .....	37	209	394	767	39	785	2,262	1,651	22	87	276	1,190	3,389	
British Columbia .....	47	346	695	1,600	69	1,427	3,385	1,976	28	100	512	2,616	5,170	
Totals .....	371	2,999	6,361	11,204	624	15,056	39,552	24,418	249	1,086	4,154	17,311	33,590	
1962														
Newfoundland .....	3	}	63	147	211	12	278	771	474	3	9	80	291	484
New Brunswick .....	9													
Nova Scotia .....	6	22	53	93	6	98	244	143	5	18	26	123	211	
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	"	"	179	738	1,296	
Saskatchewan .....	6	37	73	111	6	141	391	242	"	"	53	178	409	
Alberta .....	38	180	372	767	39	766	2,478	1,667	24	94	270	1,186	3,534	
British Columbia .....	49	360	706	1,673	51	1,358	4,262	2,865	28	108	522	2,531	7,652	
Totals .....	382	3,121	6,594	12,076	635	15,792	43,691	27,210	245	1,031	4,333	18,652	38,360	

See Table 2 and footnotes following Table 3 A.

**TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1961 and 1962**

Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>2</sup>

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers <sup>4</sup>			Cost of fuel and elec- tricity <sup>5</sup>	Cost of materials and supplies used <sup>6</sup>	Value of shipments of goods of own manu- facture <sup>4</sup>	Value added <sup>4</sup>	Working owners and partners <sup>6</sup>		Total employees <sup>7</sup>		Total value added <sup>8</sup>
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
<b>1961</b>													
Under \$10,000	74	16	28	36	14	105	438	316	76	206	18	39	329
\$ 10,000 to \$ 24,999	86	122	234	322	37	360	1,421	1,020	84	377	143	376	1,082
25,000 " 49,999	67	206	450	691	47	630	2,322	1,671	47	242	276	902	1,711
50,000 " 99,999	62	405	857	1,467	98	1,382	4,343	2,875	35	211	572	2,125	3,822
100,000 " 199,999	33	375	792	1,410	85	1,593	4,505	3,035	7	50	524	2,168	4,199
200,000 " 499,999	30	728	1,627	2,937	128	4,062	10,363	6,206	—	—	1,008	4,553	9,473
500,000 " 999,999	13	697	1,470	2,745	122	3,807	8,903	5,178	—	—	979	4,417	7,963
1,000,000 " 4,999,999	6	450	902	1,596	93	3,118	7,256	4,114	—	—	634	2,731	5,010
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>371</b>	<b>2,999</b>	<b>6,361</b>	<b>11,204</b>	<b>624</b>	<b>15,056</b>	<b>39,552</b>	<b>24,418</b>	<b>249</b>	<b>1,086</b>	<b>4,154</b>	<b>17,311</b>	<b>33,590</b>
<b>1962</b>													
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	285	844	1,534
50,000 " 99,999	61	405	857	1,499	96	1,279	4,387	3,056	29	184	563	2,119	4,051
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	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>382</b>	<b>3,121</b>	<b>6,594</b>	<b>12,076</b>	<b>635</b>	<b>15,792</b>	<b>43,691</b>	<b>27,210</b>	<b>245</b>	<b>1,031</b>	<b>4,333</b>	<b>18,652</b>	<b>38,360</b>

See footnotes following Table 3 A.

**TABLE 1 C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1961 and 1962**

Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>2</sup>

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers <sup>4</sup>			Cost of fuel and elec- tricity <sup>5</sup>	Cost of materials and supplies used <sup>6</sup>	Value of shipments of goods of own manu- facture <sup>4</sup>	Value added <sup>4</sup>	Working owners and partners <sup>6</sup>		Total employees <sup>7</sup>		Total value added <sup>8</sup>
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
<b>1961</b>													
Under \$10,000	99	37	66	90	25	206	752	517	101	323	42	97	574
\$ 10,000 to \$ 24,999	98	198	408	585	46	599	2,232	1,585	87	402	244	721	1,618
25,000 " 49,999	70	331	716	1,164	88	1,228	3,740	2,451	46	265	468	1,634	2,951
50,000 " 99,999	48	541	1,125	2,215	100	2,286	5,586	3,304	15	95	762	3,358	5,933
100,000 " 199,999	23	446	965	1,644	68	2,327	5,882	3,494	—	—	608	2,556	4,818
200,000 " 499,999	24	864	1,904	3,300	159	4,483	11,433	7,029	—	—	1,176	5,088	10,681
500,000 " 999,999	9	582	1,176	2,206	118	3,927	9,927	6,037	—	—	654	3,857	7,014
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>371</b>	<b>2,999</b>	<b>6,361</b>	<b>11,204</b>	<b>624</b>	<b>15,056</b>	<b>39,552</b>	<b>24,418</b>	<b>249</b>	<b>1,086</b>	<b>4,154</b>	<b>17,311</b>	<b>33,590</b>
<b>1962</b>													
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	106	1,798	5,267	3,429	12	61	629	2,540	4,682
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	1,668	3,395	164	5,587	13,848	8,182	—	—	1,229	5,547	11,491
500,000 " 999,999	5	393	607	1,560	74	2,351	6,097	3,564	—	—	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	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>382</b>	<b>3,121</b>	<b>6,594</b>	<b>12,076</b>	<b>835</b>	<b>15,792</b>	<b>43,691</b>	<b>27,210</b>	<b>245</b>	<b>1,031</b>	<b>4,333</b>	<b>18,652</b>	<b>38,360</b>

See footnotes following Table 3 A.

**TABLE 1D. Principal Statistics classified by Size Groups based on Total Value Added, 1961 and 1962**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>2</sup>

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers <sup>4</sup>			Cost of fuel and elec- tricity <sup>1</sup>	Cost of materials and supplies used <sup>4</sup>	Value of shipments of goods of own manu- facture <sup>4</sup>	Value added <sup>4</sup>	Working owners and partners <sup>6</sup>		Total employees <sup>7</sup>		Total value added <sup>8</sup>
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
1961	No.		'000			\$'000				\$'000		\$'000	
Under \$10,000.....	96	34	62	81	24	188	714	502	97	305	38	86	508
\$ 10,000 to \$ 24,999.....	100	195	404	580	47	617	2,264	1,598	89	408	242	717	1,630
25,000 " 49,999.....	58	243	524	813	62	911	2,896	1,928	45	260	332	1,086	2,029
50,000 " 99,999.....	47	410	849	1,458	86	1,445	4,448	2,932	18	113	553	2,030	3,277
100,000 " 199,999.....	25	356	812	1,353	66	1,870	4,801	2,918	—	—	503	2,140	3,818
200,000 " 499,999.....	27	745	1,692	2,837	146	3,756	9,931	6,239	—	—	1,019	4,328	7,896
500,000 " 999,999.....	15	804	1,580	2,999	162	5,127	12,395	7,198	—	—	1,122	4,954	10,221
1,000,000 " 4,999,999.....	3	212	437	1,083	32	1,141	2,102	1,102	—	—	345	1,971	4,210
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals.....</b>	<b>371</b>	<b>2,999</b>	<b>6,361</b>	<b>11,204</b>	<b>624</b>	<b>15,056</b>	<b>39,552</b>	<b>24,418</b>	<b>249</b>	<b>1,086</b>	<b>4,154</b>	<b>17,311</b>	<b>33,590</b>
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 " 49,999.....	54	232	496	782	52	753	2,715	1,912	38	212	301	1,040	1,930
50,000 " 99,999.....	46	404	819	1,414	79	1,562	4,682	3,081	11	74	562	2,056	3,320
100,000 " 199,999.....	32	492	1,107	1,931	107	2,694	6,600	3,760	3	15	673	2,874	4,590
200,000 " 499,999.....	28	783	1,706	3,081	157	4,744	11,893	7,140	—	—	1,112	5,073	9,058
500,000 " 999,999.....	12	614	1,261	2,522	114	3,545	9,356	5,554	—	—	842	4,043	8,733
1,000,000 " 4,999,999.....	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.....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals.....</b>	<b>382</b>	<b>3,121</b>	<b>6,594</b>	<b>12,076</b>	<b>635</b>	<b>15,792</b>	<b>43,691</b>	<b>27,210</b>	<b>245</b>	<b>1,031</b>	<b>4,333</b>	<b>18,652</b>	<b>38,360</b>

See footnotes following Table 3 A.

**TABLE 1E. Principal Statistics classified by Size Groups based on Total Employed,<sup>12</sup> 1961 and 1962**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>2</sup>

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers <sup>4</sup>			Cost of fuel and elec- tricity <sup>1</sup>	Cost of materials and supplies used <sup>4</sup>	Value of shipments of goods of own manu- facture <sup>4</sup>	Value added <sup>4</sup>	Working owners and partners <sup>6</sup>		Total employees <sup>7</sup>		Total value added <sup>8</sup>
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
1961	No.		'000			\$'000				\$'000		\$'000	
Under 5 employees.....	183	172	348	508	64	700	2,653	1,885	180	708	202	600	1,950
5- 14 employees.....	110	576	1,226	2,054	142	2,142	6,812	4,737	64	340	800	2,910	5,573
15- 49 ".....	59	1,074	2,333	4,120	213	6,181	15,354	9,062	5	39	1,492	6,449	12,826
50- 99 ".....	14	709	1,560	2,692	129	3,595	9,455	5,689	—	—	990	4,256	7,812
100-199 ".....	5	468	893	1,831	75	2,437	5,278	3,044	—	—	670	3,097	5,430
200-499 ".....	—	—	—	—	—	—	—	—	—	—	—	—	—
500 employees and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals.....</b>	<b>371</b>	<b>2,999</b>	<b>6,361</b>	<b>11,204</b>	<b>624</b>	<b>15,056</b>	<b>39,552</b>	<b>24,418</b>	<b>249</b>	<b>1,086</b>	<b>4,154</b>	<b>17,311</b>	<b>33,590</b>
1962													
Under 5 employees.....	193	161	333	527	64	759	2,879	2,058	186	725	190	619	2,111
5- 14 employees.....	108	596	1,262	2,125	128	2,072	6,834	4,697	53	269	818	2,971	5,448
15- 49 ".....	63	1,148	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	822	1,220	2,360	95	2,696	8,005	5,033	—	—	875	3,906	9,251
200-499 ".....													
500 employees and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals.....</b>	<b>382</b>	<b>3,121</b>	<b>6,594</b>	<b>12,076</b>	<b>635</b>	<b>15,792</b>	<b>43,691</b>	<b>27,210</b>	<b>245</b>	<b>1,031</b>	<b>4,333</b>	<b>18,652</b>	<b>38,360</b>

See footnotes following Table 3 A.

**TABLE 1 F. Principal Statistics classified by Type of Organization, 1961 and 1962**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>1</sup>

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers <sup>2</sup>			Cost of fuel and electricity <sup>3</sup>	Cost of materials and supplies used <sup>4</sup>	Value of shipments of goods of own manufacture <sup>4</sup>	Value added <sup>4</sup>	Working owners and partners <sup>5</sup>		Total employees <sup>7</sup>		Total value added <sup>8</sup>
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1961</b>													
Individual ownerships .....	178	321	669	1,020	89	1,094	3,834	2,657	177	765	370	1,147	2,805
Partnerships .....	40	107	222	347	28	464	1,477	982	72	321	127	393	1,029
Incorporated companies .....	153	2,571	5,469	9,837	507	13,498	34,241	20,778	...	...	3,657	15,771	29,757
Cooperatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>371</b>	<b>2,999</b>	<b>6,361</b>	<b>11,204</b>	<b>624</b>	<b>15,056</b>	<b>39,552</b>	<b>24,416</b>	<b>249</b>	<b>1,086</b>	<b>4,154</b>	<b>17,311</b>	<b>33,590</b>
<b>1962</b>													
Individual ownerships .....	187	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	23,535	...	...	3,885	17,175	34,550
Cooperatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>382</b>	<b>3,121</b>	<b>6,594</b>	<b>12,076</b>	<b>635</b>	<b>15,792</b>	<b>43,691</b>	<b>27,210</b>	<b>245</b>	<b>1,031</b>	<b>4,333</b>	<b>18,652</b>	<b>38,360</b>

See footnotes following Table 3 A.

**TABLE 2. Industry Outputs, Inputs and Value Added, 1961 and 1962**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>1</sup>

Item	1961	1962
	\$'000	
<b>Manufacturing activity:</b>		
Value of shipments—Goods of own manufacture .....	39,552	43,691
Add: Closing inventory—Goods in process .....	1,496	1,282
Finished goods .....	683	778
Deduct: Opening inventory—Goods in process .....	1,168	1,496
Finished goods .....	466	619
Gross output—Manufacturing activity .....	40,097	43,636
Deduct: Cost of materials and supplies used in manufacturing activity .....	15,056	15,792
Cost of fuel and electricity used .....	624	635
Value added—Manufacturing activity .....	24,418	27,210
<b>Non-manufacturing activities:</b>		
Value of shipments—Goods not of own manufacture .....	..	538
Add: All other revenue .....	..	11,213
Closing inventory—Goods purchased for resale .....	168	9
Deduct: Purchases of goods for resale as such .....	..	351
Opening inventory—Goods not of own manufacture .....	145	8
Cost of all other materials and supplies used .....	..	250
Value added—Non-manufacturing activities .....	9,173	11,151
<b>Total value added .....</b>	<b>33,590</b>	<b>38,360</b>

See footnote following Table 3 A.

**TABLE 3. Employment and Payroll, 1961 and 1962**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>1</sup>

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office <sup>6,9</sup>		Sales, and distribution <sup>8</sup>		Total employees <sup>7,9</sup>		Production and related workers		Adminis- trative and office	Sales, and distri- bution	Total salaries and wages
	Manufacturing <sup>4</sup>		Other <sup>5</sup>								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
1961	number										\$'000				
Newfoundland .....	60	1	..	..	..	..	..	..	79	4	61	..	..	..	287
New Brunswick .....	24	—	..	..	..	..	..	..	27	1	24	..	..	..	110
Nova Scotia .....	500	55	..	..	..	..	..	..	631	87	555	..	..	..	2,755
Quebec .....	1,425	231	..	..	..	..	..	..	1,905	418	1,656	..	..	..	9,518
Ontario .....	101	5	..	..	..	..	..	..	147	16	106	..	..	..	625
Manitoba .....	41	1	..	..	..	..	..	..	48	3	42	..	..	..	211
Saskatchewan .....	195	14	..	..	..	..	..	..	243	33	209	..	..	..	1,190
Alberta .....	332	14	..	..	..	..	..	..	453	59	346	..	..	..	2,616
British Columbia .....	332	14	..	..	..	..	..	..	453	59	346	..	..	..	2,616
Totals .....	2,678	321	..	..	..	..	..	..	3,533	621	2,999	..	..	..	17,311
1962	number										\$'000				
Newfoundland .....	62	1	—	—	12	3	2	—	76	4	211	—	76	4	291
New Brunswick .....	22	—	—	—	2	1	1	—	25	1	93	—	19	11	123
Nova Scotia .....	523	56	10	1	73	41	46	1	852	99	2,066	47	625	305	3,044
Quebec .....	1,527	245	9	2	305	184	167	13	2,008	444	6,751	27	2,552	1,232	10,561
Ontario .....	102	6	—	—	32	14	23	2	157	22	404	—	219	115	738
Manitoba .....	36	1	—	—	10	3	3	—	49	4	111	—	56	11	178
Saskatchewan .....	170	10	10	—	36	19	24	1	240	30	767	23	235	161	1,186
Alberta .....	348	12	—	—	83	38	40	1	471	51	1,673	—	580	278	2,531
British Columbia .....	348	12	—	—	83	38	40	1	471	51	1,673	—	580	278	2,531
Totals .....	2,790	331	29	3	553	303	306	18	3,678	635	12,076	97	4,362	2,117	18,652

See footnotes following Table 3 A.

**TABLE 3A. Production and Related Workers,<sup>4</sup> — Manufacturing Activity, by Months, 1962**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>1</sup>

Month	Establishments reporting monthly detail <sup>10</sup>	
	Male	Female
number		
January .....	2,289	265
February .....	2,325	309
March .....	2,396	336
April .....	2,408	350
May .....	2,433	329
June .....	2,542	311
July .....	2,595	300
August .....	2,535	321
September .....	2,552	336
October .....	2,532	348
November .....	2,448	334
December .....	2,201	296
Average for establishments reporting monthly detail (collected only for large establishments) .....	2,487	327
Average for establishments reporting quarterly detail (collected only for medium size establishments) .....	—	—
Average for small establishments (only annual averages collected) .....	323	4
Average for all establishments .....	2,790	331

<sup>1</sup> See Table 2 and Explanatory Notes concerning manufacturing and non-manufacturing activities.

<sup>2</sup> See Explanatory Notes.

<sup>3</sup> This category, in this table only, includes working owners and partners. Since administrative and office employees are engaged in a variety of activities they have been excluded from manufacturing activity beginning with the revised 1961 series shown in the following tables. They are included here for purposes of comparison with the tabulations of previous years.

<sup>4</sup> Conceptually identical to previous years. See Explanatory Notes.

<sup>5</sup> Cannot be reported separately for manufacturing and non-manufacturing activities but related substantially to manufacturing activity. Identical concept to previous years.

<sup>6</sup> Working owners and partners were included with administrative and office employees in the "Manufacturing series" published in former years. See Explanatory Notes.

<sup>7</sup> Includes production and related workers, administrative and office employees, sales distribution and other employees. See Explanatory Notes for the treatment of head office employees and those employed in auxiliary units.

<sup>8</sup> Value of total shipments and other operational revenue less total cost of materials, supplies, fuels used and purchases of products and materials for re-sale in the same condition; all adjusted for inventory changes where required. See Table 2 and Explanatory Notes.

<sup>9</sup> Sales and distribution workers and production workers (non-manufacturing) are included for the first time as a result of the full implementation of the new definition of the establishment. The figures for production workers (non-manufacturing), administrative and office employees and sales and distribution workers are not yet available for 1961 but form part of total employees. Sales and distribution workers may include some employees that are reported as part of a manufacturing establishment but are not working at the establishment's location. Head offices, sales offices, etc., which report separately are included in the figures for the province in which they are located.

<sup>10</sup> The monthly detail of production workers was not collected from small establishments. Annual averages reported by those establishments were included in each month's total.

<sup>11</sup> Confidential data.

<sup>12</sup> Includes paid employees and working owners but excludes unpaid family workers.

Note: Figures may not add due to rounding.

**TABLE 4. Materials and Supplies Used in Manufacturing Activity, 1962**

Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>1</sup>

Description	Quantity	Cost
		\$'000
1. Materials used:		
All materials and components used <sup>2</sup> .....	...	2,420
2. Containers and other packaging materials and supplies used .....		415
3. Operating, maintenance and repair supplies used (excluding fuel) .....		921
4. Amount paid out to others for work done on materials owned by establishments .....		336
<b>Total</b> .....		<b>15,792</b>

<sup>1</sup> See Explanatory Notes.

<sup>2</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. In 1962 these estimated costs were \$1,110,856.

**TABLE 5. Fuel and Electricity Used<sup>1</sup> in Manufacturing Activity,<sup>2</sup> 1962**

Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>3</sup>

Description	Quantity	Cost
		\$'000
1. Large establishments which reported commodity detail:		
Bituminous coal:		
(a) From Canadian mines ..... ton	70	1
(b) Imported ..... "	458	6
Sub-bituminous coal (from Alberta mines only) ..... "	6	--
Anthracite coal ..... "	979	15
Lignite coal ..... "	—	—
Coke ..... ton	4	--
Gasoline (including gasoline used in cars and trucks) ..... Imp. gal.	444,123	184
Fuel oil including kerosene or coal oil ..... "	554,519	80
Wood ..... cord	1,626	--
Gas:		
(a) Liquefied petroleum gases ..... Imp. gal.	16,842	8
(b) Other manufactured gas ..... "	—	—
(c) Natural gas ..... M cu. ft.	93,217	77
Other fuel ..... "	...	--
Electricity purchased ..... kwh.	9,967,314	184
Steam purchased ..... "	...	2
2. Estimate for small establishments for which no data were collected:		
Fuel and electricity .....	...	78
3. All establishments:		
Total fuel and electricity used .....	...	635

<sup>1</sup> Does not include fuel and electricity produced for own use.

<sup>2</sup> Includes only fuel and electricity purchased. Conceptually identical to previous years in that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

<sup>3</sup> See Explanatory Notes.

**TABLE 6. Shipments of Goods of Own Manufacture, 1962**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>1</sup>

Description	Quantity	Value
		\$'000
1. Products:		
Signs, electric.....	...	8,862
Signs, non-electric:		
Permanent:		
Metal .....	...	2,325
Plastic .....	...	913
Other (hardwood, plywood etc.) .....	...	1,860
Non-permanent:		
Showcards, streamers etc. (card, paper, cloth, etc.) .....	...	2,816
Fluorescent lighting fixtures, commercial and residential .....	...	70
Advertising displays (complete) .....	...	10,489
Display stands advertising, etc. ....	...	2,416
Sign letters:		
Plastic .....	...	195
Other .....	...	84
Estimated value of signs shipped on a lease or rental basis .....	...	6,922
All other products .....	...	3,433
2. Amount received in payment for work done on materials and products owned by others .....		3,717
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)
<b>Total adjusted value of shipments and work done .....</b>		<b>43,691</b>

<sup>1</sup> See Explanatory Notes.

**TABLE 7. Industry Inventories, 1962<sup>1</sup>**  
Basis: Revised Standard Industrial Classification and New Establishment Concept<sup>2</sup>

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	
hook value \$'000						
Opening: <sup>1</sup>						
Newfoundland .....	70	25	19	114	—	114
New Brunswick .....						
Nova Scotia .....	16	5	1	22	—	22
Quebec .....	482	133	24	639	7	646
Ontario .....	1,402	1,013	267	2,682	—	2,662
Manitoba .....	141	66	21	228	—	228
Saskatchewan .....	27	15	—	42	—	42
Alberta .....	177	99	277	553	—	553
British Columbia .....	292	140	10	442	—	442
Totals <sup>4</sup> .....	2,607	1,496	619	4,722	7	4,729
Closing:						
Newfoundland .....	59	26	9	94	—	94
New Brunswick .....						
Nova Scotia .....	15	8	2	25	—	25
Quebec .....	516	148	24	688	7	695
Ontario .....	1,471	859	392	2,722	—	2,722
Manitoba .....	163	22	25	230	—	230
Saskatchewan .....	25	13	—	38	—	38
Alberta .....	185	53	318	556	1	557
British Columbia .....	314	153	8	475	1	476
Totals <sup>4</sup> .....	2,768	1,282	778	4,828	9	4,837

<sup>1</sup> Values represent book values of inventories owned in Canada.

<sup>2</sup> See Explanatory Notes.

<sup>3</sup> The opening inventories may differ from the closing inventories for the previous survey 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.

<sup>4</sup> Figures may not add due to rounding.

TABLE 8. Shipments of Goods of Own Manufacture - All Industries,<sup>1</sup> 1961 and 1962

Description	Value	
	1961	1962
	\$'000	
Signs electric:		
Neon and other luminous tube .....	5,151	6,203
Other electric .....	3,428	3,048
Signs non-electric:		
Metal .....	4,268 <sup>f</sup>	4,163
Plastic .....	1,845	1,517
Other .....	2,329 <sup>f</sup>	2,294
<b>Totals</b> .....	<b>17,021</b>	<b>17,225</b>

<sup>1</sup> 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:

	1961	1962
	\$'000	
Signs, electric:		
Neon and other luminous tube .....	5,970	7,295
Other .....	30	36
Signs, non-electric .....	750	575
<b>Totals</b> .....	<b>6,750</b>	<b>7,906</b>

TABLE 9. Capital and Repair Expenditures, 1960-62

Year	Capital expenditures			Repair expenditures			Total capital and repair expenditures		
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
	\$'000								
1960 .....	995	1,169	2,164	388	214	602	1,383	1,383	2,766
1961 .....	635	604	1,239	331	191	522	966	795	1,761
1962 .....	132	688	820	187	149	336	319	837	1,156

Source: Business Finance Division. - DBS.

List of Establishments, 1962

Name	Location
<b>Newfoundland:</b>	
Day-Nite Neon Nfld. Limited .....	Portugal Cove Road, St. John's
Neon Sales & Services Ltd. ....	George St., St. John's
Signs & Sales .....	80 Hamilton Street, St. John's
<b>Nova Scotia:</b>	
Bowes Signs .....	95 Argyle St., Halifax
Buell Signs .....	624 Lorne St., New Glasgow
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
<b>New Brunswick:</b>	
Atlantic Neon Signs Ltd. ....	6 Clarence St., Saint John
Dunbar, G.A. ....	85 Germain St., Saint John
Eastern Sign & Display Service Ltd. ....	61 Elgin St., Saint John
Johnston Signs Limited .....	351 Collishaw, Moncton
Maritime Neon Signs Ltd. ....	450 Lutz St., 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

List of Establishments, 1962 - Continued

Name	Location
<b>Quebec:</b>	
Acme Advertising Studios	2039 Des Carrieres St., Montréal
Adept Displays Limited	955 Amherst St., Montreal 14
Art Decar	82 Blvd. Cartier, Riviere-Du-Loup
Associated Clock Industries Ltd.	298 Charon St., Montreal 22
Atelier D'Enseignes Artie	621 Brochuz Sept. Iles
Auger, Lionel	420 Rue St. Zotique E., Montreal 10
B.B. Neon Enr'g.	Cabano
Bohemier Neon Signs Enr'g.	600-5 1eme Rue St. Antoine Des Laurentides, Cte. Terrebonne
Bougie Signs Reg'd.	209 St. Louis, Valleyfield
Eourassa, Rosario	912 Rue Bonaventure, Trois Rivières
Brouillette Signs Limited	298 Charon St., Montreal 22
Canada Graphic Reg'd	4715 Christophe Colomb Ave., Montreal 34
Charon Signs Ltd.	3421 Peel St., Montreal 2
Central Neon Shop Co.	4691 Papineau Ave., Montreal 34
Commercial Neon Enr'g.	150 Ave., De La Cathedrale, Rimouski
Coulombe Enseignes Enr'g.	137 Rue Rouleau, Rimouski
Day-Nite Neon Ltd.	340 St. Francis Blvd. S., Sherbrooke
De Dual-Lucien General Advertising	11616 Rue Queen, Dorval
Design Associates	3524 St. James St. W., Montreal 30
Display Finishers Inc.	8760-8th Ave. Ville St. Michel, Montreal 38
Dominion Neon Inc.	3535 Rue Rouen, Montreal 4
Dorais Signs & Displays	47 Rue La Gare, St. Sauveur Des Monts
Dymont Limited	5555 Casgrain St., Montreal 14
Emboss-O-Type Ltd.	957 Amherst St., Montreal 24
Enseignes Page Neon Signs Enr'g.	67 Blvd. St. Jean, St. Jean Eudes
Enseignes Patenaude Signs Inc.	8280 Taschereau Blvd, Ville de Brassard
Enseignes Quebec Inc.	763 Cote D'Abraham, Quebec 4
Enseignes Terio Signs Reg'd.	RR#3, St. Jerome
Excel Screen Displays Reg'd.	1212 Craig E., Montreal 24
Fecteau Signs Enr'g.	7 1eme Rue, Proulx Laval Des Rapides
Gravel, J.P.	2498 St. Olivier, Trois Rivières
Green Bros. Signs Ltd.	4259 St. Dominique St., Montreal
Grenier A.D. Enr'g.	850 St. Honore, Quebec
Grenier Guy Enseignes Enr'g	3335 Ch. St. Louis, Ste-Foy 10
Industrial Advertising Reg'd.	207 Notre Dame St. W., Montreal 1
International Advertising Products Co.	125 Gagnon St., St. Laurent, Montreal 9
L.B. Plastic Enr'g.	9180-12 1eme Avenue, Ville St. Michel, Montreal 30
La Compagnie Morin & Fils Limitée	60-4th Ave., Montmagny
Les Enseignes François Enr'g.	7457 12th Avenue, Ville St. Michel
Lapointe, Richard	258 Emile St., Victoriaville
Martin Enseignes Enr'g.	3051 Blvd Laurentien, Ville St. Laurent
Metropole Neon Signs Ltd.	5640 De La Roche St., Montreal 10
Miller Commercial Displays Ltd.	705 Bourget St., Montreal 30
Modern Florence Signs Reg'd.	1973 St. James St. W., Montreal 3
Modern Neon Sign Co. Ltd.	2110 Church Ave., Montreal 29
Modern Signs	52 St. Jean Baptiste, Hull
Morgan - Worship Signs	715 Notre Dame St. W., Montreal
Montreal Sign Co.	2024 McGill College Ave., Montreal 2
Morris Neon Service Co.	705 Notre Dame St. W., Montreal 3
National Advertising Signs Ltd.	9130 Park Avenue, Montreal 11
National Sign Co. Ltd.	20 Rue Dorchester, Quebec
Neon Sign Servicing Co. Reg'd.	14 Maguire St., Montreal 14
Northern Neon Works Reg'd.	299 Mgr. Tessier, Ouest, Rouyn
Paquet Neon Signs Enr'g.	115 Bematchez, Quebec, Ouest
Paramount Enterprises Ltd.	999 College St., Montreal 30
Plastic Signs & Products Ltd.	546-1st Ave., Quebec
Poitras, P.E.	1265 Borne, Quebec
Professional Signs	364 Montée De Liesse, St. Laurent 9
St. Onge, D. Ltée.	23 Rue Dufferin, Granby
Sayer, Fred, Signs	6350 St. Lawrence Blvd., Montreal 10
Sign Shop; The.	3419 Doré, Montreal 18
Stanway Signs Co. Reg'd.	989 Notre Dame St. West, Montreal 3
Star Sign Co. Reg'd.	265-A Ontario St. W., Montreal 18
Studio Roy Enr'g.	3 Courcellette Ave., Quebec
Super Neon Enr'g.	13 Pedneault St., St. Jean Eudes
Tasse Neon Inc.	7171-A Rue Iberville, Montreal 35
Taylor Advertising Ltd.	425 River St., Verdun
Trans-Canada Displays Inc.	9911 St. Michel Blvd., Montreal North
Trans-Canada Signs Ltd.	4295 Iberville St., Montreal 34
Ungar Signs Reg'd	4517 Colonial Ave., Montreal 14
Universal Plastic Sign Enr'g.	7934-14th Avenue, Ville St. Michel
Vibra-Lite (Quebec) Ltd.	8203 Casgrain St. Montreal 11
Walters, W.B., Sign Co.	1337 Bonaventure St., Montreal 3
<b>Ontario:</b>	
A-Z-Plastic and Neon Sign Co. Ltd.	1275 Queen St. East, Toronto
Able Art Display Co.	97 Church St., Toronto 1
Acme Signs	25 South Edgely Ave., Scarborough
Acme Neon Signs (Windsor) Ltd.	2490 Central Ave., Windsor
Acme Neon Signs (London) Ltd.	477 Whamcliffe Rd., London
Acme Neon Signs (Kitchener) Ltd.	193 Borden Ave. S., Kitchener
Ad-Signs	1417 Crawford Ave., Windsor
Advertising By Joe Owen	48 Ellen St., Barrie
Alliance Display Industries Ltd.	416 Bloor St. E., Toronto 5
Allied Arts	1059 Upper James St., Hamilton
Aluminum and Plastic Sign Mfg. Co.	3008 Danforth Avenue, Toronto 12
Andy's Sign Shop	134 Yonge St. N., Aurora
Annis-Way Signs Ltd.	595 West St. S., Orillia
Apex Neon	9-A Givens St., Toronto 3

List of Establishments, 1962 - Continued

Name	Location
<b>Ontario - Continued:</b>	
Art Interchangeable Sign Co.	115-A Walnut Ave., Toronto
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 Yonge St., Toronto 5
Bay City Signs Limited	1060 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
Booth 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
Buehler, Norman Signs	Cor King & Henry St. Jacobs
Bullock Signs	479 Somerset St. W., Ottawa 4
Bunny Signs	572 Dundas St., London
Burdick Metal Industries Ltd.	132 Brandon Ave., Toronto 4
Burrows, R.L., Signs	11 Dunke St., Elmlra
Burton Signs	761 Albert St., Ottawa 4
CDL Signs	33 Harrison Ave., Port Credit
Cameron Starcraft Industries Ltd.	104 Cartwright Ave., Toronto 10
Capital Signs	35 Mansion Ave., Toronto 13
Caplan Signs	39 Hlrons Street, Toronto 9
Catalano's Wire Products	588 Gerrard St. E., Toronto 8
Charles Sign & Display Studio	84 Harbord St., Toronto
Clarke Screen Arts	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.	39-41 McMunich St., Toronto 5
D'Art Advertising	40 Ontario St. S., Kitchener
Day Sign Company Limited	17 Cornwall St., Toronto 2
Dean Signs Ltd.	Queen St., Lakefield
Deluxe Signs	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 & Construction Co.	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	878 Norfolk St., Guelph
Dudley Roy Signs	Plant-Passmore Road, Scarborough Twsp.
Dufferin Displays Ltd.	328 Dupont St., Toronto 4
Dymert Limited	245 Carlaw Ave., Toronto 8
Earl's Neon Displays	457 Gladstone Ave., Ottawa
Eddy Signs	953 King St. E., Hamilton
Ellicott Sign & Display Studio	335 Sunset Blvd., Peterborough
Emond Creative Signs	904 Pembroke St. E., Pembroke
Entwistle's Sign Studio	188 Adelaide St. W., Toronto 1
Ernie's Signs Ltd.	16 Young St. N., Sudbury
Franken, Joe, Advertising Ltd.	2593 Victoria Park Ave., Agincourt
George's Neon Sign Service	17 Cornwall St., Toronto 2
Geron Associates	63 Howden Road, Scarborough
Glendale Signs	38 Corby Crescent, Brampton
Gons Signs of London	543 Third Street, London
Gorrie Advertising Ltd.	200 Bridgeland Ave., Toronto 19
Greetham Industries Ltd.	10 Gower St., Toronto 16
Guilbert, Pierre, Ltd.	360 Montreal Rd., Eastview
Gurney Signs	300 Barrie St., Kingston
Hamilton Screen Art	451 Ottawa St. N., Hamilton
Hamilton Signs Ltd.	57 Wilson St., Hamilton
Harrison Bros.	2461 St. Clair Ave. W., Toronto
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	Rear 25 Maitland St., Toronto 5
J. & E. Signs Displays	20 Liberty Street, Toronto 3
Jackson's Display Signs Ltd.	337 Bering Ave., Toronto
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 Studio	680 King St. West., Toronto 2
Jukes, Rube & Son	111 Whitney Place, Kitchener
Kent Sign Company	434 Balmoral Ave., Fort William
King Plastic Industries	165 Eileen Ave., Toronto 9
Kramer & Morris Signs	1114 College St., Toronto
Kupper's Signs & Advertising	127 Carlton Ave., Welland

List of Establishments, 1962 - Continued

Name	Location
<b>Ontario - Concluded:</b>	
L. & M. Designs	91 Citadel Dr., Scarborough
Levey Signs	1402 Eglinton Ave. W., Toronto 12
London Screen Process Ltd.	320 Colborne St., London
Lovett Sign Shop	134 Bristol Street, Guelph
McCowan, David A.	79 Main St., Toronto 13
Macey Neon Signs Limited	976 Middlegate Rd., Cooksville
Mafra Signs	41 Chauncey Ave., Toronto 25
Magic Signs	607 Wellington Rd., London
Marksall Industries Ltd.	122 Laird Dr., Leaside
Mechanical Advertising Ltd.	839 Ritson Rd. S., Oshawa
Meyer Signs	138 B-3rd Ave., Timmins
Monarch Sign & Display Co.	551 Eastern Ave., Toronto
Morris Bernard	559 Melrose Ave., Toronto 12
Myers Industries	32 Hamilton Street, 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
New Style Signs	569 King St. W., Toronto
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 Studio	700 Queen St. E., Toronto
Plasmet Specialty Products	36 McGee St., Toronto 8
Plaza Sign Co.	35 Crockford, Blvd., Toronto
Price Signs & Displays Ltd.	240 Mattawa St., North Bay
Quality Fixture Co.	19 Draper St., Toronto
Queensway Signs	30 Stock Ave., Toronto
R-V Signs & Displays	150 Pearl St., Toronto
Rainbow Neon Sign Co.	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
Robinson Signs	290 Shuter St., Toronto
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	63 Houden Rd., Scarborough
Shaefer-Ross (Canada) Ltd.	37 Hanna Ave., Toronto 3
Screencraft Processors	Head Street, Dundas
Service Sign Co.	402 1/2 Richmond St., London
Signcraft Industries	16 Dohme Ave., Toronto 16
Silkraft	675 King St. W., Toronto 2B
Slimlite Limited	70 Howden Rd., Toronto 16
Smith Sign Co. Ltd.	27 Musgrove St., Toronto 13
Somerville Industries Limited	10 Crockford Blvd., Scarborough
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
Stu-Art Display	34 Wood St., Brantford
Styroplast Display Co.	119 Manville Rd., Scarborough
Superior Signs & Screen Process	3420 Clairview, Riverside
Sydney Smith Signs	74 Foster Ave. South, Belleville
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, RR1., Agincourt
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
Weston Signs	2530 Weston Rd., Weston
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
Wright Metal Signs Ltd.	No. 6 Highway, Freeleton
Young Signs	39 Young N., Sudbury
Zellig Studios	573 Tecumseth Rd. East, Windsor
<b>Manitoba:</b>	
Brandon Signs Limited	30-16th Street, Brandon
Commercial Signs & Displays Ltd.	482 Brooklyn Street, Winnipeg 12
Duchon Bros. Signs Ltd.	468 Higgins Ave., Winnipeg 2

List of Establishments, 1962 - Continued

Name	Location
<b>Manitoba - Concluded:</b>	
Fairchuk Enterprises .....	Carberry, Manitoba
Fosh Signs & Displays Ltd. ....	357 Langside St., Winnipeg 2
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
<b>Saskatchewan:</b>	
A. & N. Sign Co. Ltd. ....	1220 Scarth St., Regina
Adrian Signs .....	230-1st Ave., N.E. Swift Current
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
Plast-Lite Electric Signs .....	Box 10, Esterhazy
<b>Alberta:</b>	
A-1 Signs .....	121-17th Ave. S.E., Calgary
X-L, Signs 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 Display 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 51st St. South, Lethbridge
Color Craft Signs Ltd. ....	10584-107th Street, 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 .....	10018-102nd Street, Edmonton
Ez Signs .....	534-9th. Ave. S.E., Calgary
Gillett Signs .....	324-10 St. N.W., Calgary
Halliwell Signs of Edmonton .....	10611-102nd St., Edmonton
Johnston Signs .....	6432 Lombardy Crescent, Calgary
Keyes Display & Signs .....	9560-111 Ave., Edmonton
Midland Signs Ltd. ....	10592-109 Street, Edmonton
Mimura Dan Signs .....	215-41 Ave., N.E., Calgary
National Neon Displays Ltd. ....	315-9th St. North, Lethbridge
Neon Contractors Ltd. ....	5305-1 A 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. ....	534-9th Ave. S.E., Calgary
Price Signs .....	130 McRae St. Okotoks
Signs By Silk Screen .....	1319 Rosehill Dr., Calgary
Spelman Signs .....	6834-Edmonton Highway, Red Deer
Taylor Sign Works, c/o Ernest L. Taylor .....	505-8th St. S.W., Calgary
Veribrite Neon Signs .....	11408-80th Street, Edmonton
Vogue Sign Studios Inc. ....	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 Ltd. ....	610-3 Ave. S.W., Calgary
Wren Display Limited .....	118-4 Ave. S.W., Calgary
<b>British Columbia:</b>	
Albert Signs .....	738 Yates St., Victoria
Alpha Sign Lettering Co. ....	1424 Clyde Ave. West., Vancouver
Alpine 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
Bayliss Neon Sign Co. Ltd. ....	2519 Rock Bay, Victoria
Bob's Signs .....	536 Ward St., Nelson
Bob's Sign Shop .....	10170 Brentwood Drive, Chilliwack
Burton Sign Shop .....	626 Gibbons Drive, Richmond
Challier Display Associates Ltd. ....	1451 Adanac St., Vancouver 6
Clay Signs Ltd. ....	2043 West 4th Ave., Vancouver
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
Hall, David Sign Co. Ltd. ....	1420 Howe St., Vancouver
Heinz Signs .....	2351 Burrard Street, Vancouver
Kandie Signs & Displays .....	2120 Commercial Drive, Vancouver
L & L Signs .....	256 Westminster Ave. W., Penticton
Lacey Signs & Showcards .....	144 W. Hastings St., Vancouver
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) .....	1885 Clark Drive, Vancouver
Neumann, Henry W. ....	717E Broadway, Vancouver

List of Establishments, 1962 - Concluded

Name	Location
<b>British Columbia: - Concluded:</b>	
Nicoll Dave Signs	1140 Lonsdale Ave., North, Vancouver
Pacific Neon Ltd.	823 Pandora Ave., Victoria
Rae Signs Ltd.	8265 Main Street, Vancouver
Reflecto-Lite Signs Ltd.	826 Kingsway, Vancouver
Royal City Neon Ltd.	7465 Griffith, Burnaby 1
Sac Signs	22624 Lougheed, Hwy. Haney
Scollon Studios Ltd.	81 Robson Street, Vancouver
Scott Silk Screen Products	1047 Davie St., Vancouver
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
Todd Signs	732 Johnson St., Victoria
United Neon Ltd.	2008 West 4th Ave., Vancouver
Vince, H.J., Sign Co.	833 W. Pender St. (Rear), Vancouver
W.-H. Signs	1255 Bedor Ave., Trail
Walburn Neon Limited	1420 Howe St., Vancouver
Wallace Neon Limited	717 E Hastings St., Vancouver
Walker Display Associates Ltd.	1661 Franklin Street, Vancouver
Watkins Signs	6344 Kingsway South, Burnaby
Whalen Signs	800 - 14th Ave. S., Port Alberni
Zero Signs	1441 - 101st. Ave., Dawson Creek

## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1962 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and special reports on geographical distribution and on type of ownership and size of establishments.

With the publication of the results of the 1962 Census of Manufactures, the Bureau has completed a major revision in the classification and concept of its annual census of manufacturing establishments. Because of its size and complexity, this project had to be carried out in three stages. The first stage was the change in classification and the results of the 1960 Census, together with the re-compilation of the 1957, 1958 and 1959 Censuses were published in the 1960 reports on the basis of the revised Standard Industrial Classification. This part of the project was confined entirely to a re-coding of existing reporting units. The second stage consisted of the implementation of the new definition of the reporting unit i.e. "establishment" as it applied to **manufacturing activities** of manufacturing establishments (See following note on "Establishment"). Results of the 1961 Census reflected this change in concept and, in order to provide comparability of data for recent years, the 1961 reports contained principal statistics on the basis of the new establishment definition for years back to 1957.

The third stage which was the extension of the definition of the establishment to cover **total activities** of manufacturing establishments is reflected in the statistics for 1961 and 1962 contained in this report. This full implementation of the new definition of the establishment has resulted in an extension of the data to non-manufacturing activities of manufacturing establishments and in additional changes in the 1961 statistics of manufacturing activities. Statistics on manufacturing activities will continue to be shown separately as in the past but, beginning with 1961, data on all operations (total activity) of manufacturing establishments will also be given. By definition "total activity" relates to all operational data and excludes such non-operational items as rent, interest and dividends. In addition, statistics on man-hours paid will be included as part of the regular series of industry statistics. For many industries, adjustments and revisions were made to the 1961 data on **manufacturing activities** which were published during the second stage to bring them in line with reporting procedures followed in the 1962 Census and to reflect the final application of the new concept. The 1961 statistics on manufacturing activities contained in this report are thus not entirely comparable with those published in the 1961 reports. However, the 1961 statistics are shown in this publication in both their original and revised forms in order to provide a link with the immediate past. A more complete account of recent changes and additions and brief descriptions of the principal industry statistics are given in following sections of these notes.

### Standard Industrial Classification

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures and applied to the results of the 1957, 1958 and 1959 censuses provides for a breakdown of the manufacturing universe into 140 industries arranged in 20 major groups. Custom Tailoring Shops is the only industry class in the Manufacturing Industries Division of the classification which is not covered in the annual Census of Manufactures. It is surveyed as part of the Decennial Census of Merchandising and Service Establishments. Of the 140 "three-digit" industry classes in the Manufacturing Industries Division, 21 are further broken down into 67 "four-digit" sub-classes. With the exception of the Wood Preservation and Sound Recording industries, the figures for which are at present confidential and have to be included with those of related industries, the statistics for all of the "four-digit" sub-classes are published regularly. Thus, at the Canada level, principal statistics are compiled for 183 industries. These cannot all be published separately by province because of the confidential nature of the data in certain provinces.

Reporting establishments are classified or allotted to specific industries in the classification system on the basis of the value of principal products made or shipped. In general, establishments primarily engaged in repair work (Shoe Repair Shops, Motor Vehicle Repair Shops etc.) are not included in manufacturing industries. Exceptions are establishments primarily engaged in furniture, ship, boat, aircraft and railroad rolling stock repairs which are classified to the manufacturing industries producing the products involved. Establishments primarily engaged in assembling parts into complete units have always been included in manufacturing industries.

Full details concerning the revised classification system are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics.

It should be noted that two new industries (Poultry Processors and Dental Laboratories) and three new groups of establishments (book publishers in the Publishing Industry, electro-plating establishments in the Metal Stamping, Pressing and Coating Industry and prescription branches in the Ophthalmic Goods Manufacturers Industry) have been included in the 1961 (revised) and 1962 Census statistics and will continue to be included thereafter. They were surveyed for the first time in the 1960 Census (1961 Census in the case of prescription branches) in line with the revised classification but, since they did not represent new production, they were removed from the 1960 and 1961 compilations published in the 1961 Census reports in order to provide complete comparability of data over the period 1957-61. Statistics for this period are repeated in the 1962 reports to supply a link with the revised 1961 data and the new 1962 statistics.

## Establishment

The reporting unit in the Census of Manufactures is the **establishment**. The majority of establishments are firms, but many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described below.

Beginning with the 1961 Census of Manufactures the establishment is defined as follows:

"The smallest unit which is a separate operating entity capable of reporting all 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,  
Inventories,  
Shipments or sales."

Following is a description of the main features of the new establishment concept introduced in the 1961 Census, how they differ from those of the old "activity" concept and the steps taken to correct for breaks in continuity.

(a) The establishment is to be distinguished from smaller subdivisions or departments which do not have records that permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in activities which were classifiable to different industries. Beginning with 1961, separate reports for such activities are required only in cases where accounting records can provide the necessary input and output elements of principal statistics. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.<sup>1</sup>

(b) A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were primarily engaged in manufacturing. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics.<sup>1</sup>

<sup>1</sup> Most of these adjustments were made when the results of the 1961 Census were being compiled. Since publication of these results in the 1961 reports additional adjustments were made to the 1961 data, as noted earlier, and these are reflected, where applicable, in the revised 1961 statistics contained in this report.

Again, adjustments were made to reflect the removal of such reporting units for the period 1957-60. These reporting units are now listed as establishments in other Bureau surveys, such as Wholesale Trade, Construction etc. This has resulted in a somewhat smaller universe represented by the Census of Manufactures. In terms of overall 1960 Census results, the number of establishments transferred to other industries totalled 2,786 or 8% but these represented only 0.7% of total employment and of total value of shipments of manufactured products. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed by the Industry Division for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

(c) A manufacturing establishment may be, and often is, engaged in other activities in addition to its principal manufacturing activity. Prior to 1961 the main emphasis in the Census of Manufactures was on manufacturing activity. Beginning with 1961, each establishment reports on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on different activities (manufacturing, trading in goods not of own manufacture, construction by own labour force, revenue from services etc.) are requested separately. However, the statistics published in the 1961 reports were confined to manufacturing activity only in order to maintain comparability with previous years and to permit a more thorough audit of the new data. The 1962 reports contain principal statistics on total activities of manufacturing establishments for 1961 and 1962 with the main elements of manufacturing activity shown separately as in the past. It should be noted that the statistics for separate activities are not completely consistent. Some respondents cannot distinguish in their records materials, shipments and inventories relating to own manufacturing activities from those relating to goods not of their own manufacture or to other activities and can report operational data in total only under manufacturing activity. This situation has always existed, however, and is not considered important enough to invalidate the use of the data in the measurement of manufacturing as an "activity". The values assigned by the respondent to materials and shipments of own manufactured goods include costs in varying degrees that relate to internal (to the establishment) transportation, warehousing and selling activities, but it is not possible to make adjustments to arrive at a uniform valuation for manufacturing activity only; although valuation at the establishment "boundary" must be accepted, the items valued under manufacturing activities still relate, in most cases, to "goods of own manufacture". In the case of employment only data on manufacturing production workers and manufacturing man-hours can be assigned, in total, to manufacturing activity; administrative and office employees can seldom be allocated to separate activities.

Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level, and for studies or statistical measures requiring accurate co-ordinated data, the "total" statistics should be used.

(d) Additional changes resulted from intensive editing and follow-up consistent with the introduction of the new concept. An example of such changes is the provision for the elimination, in total, of sales taxes and outward transportation charges from value of shipments. Prior to 1961, although the value of shipments for each product was requested excluding taxes and transportation charges, no allowance had been made for the reporting of these items in total when the respondents' records did not permit their deduction from the values of the individual products. Another example is a change in the valuation of shipments where, prior to 1961, a manufacturing company operating warehouses or sales outlets was reporting value of shipments in terms of an estimated manufacturer's price in accordance with the old activity concept, even though his records were not kept on this basis. Since the accounting boundary in such cases extends to distribution operations, the respondent was instructed in 1961 to report shipments at the final selling price in order to obtain more realistic and accurate data.<sup>2</sup> Adjustments were made to the value of shipments for the period 1957-60 to reflect such changes and maintain continuity of the shipments data. Since no actual data to make these corrections were available for back years, 1961 adjustment ratios were applied to the previous years for each industry affected, on the assumption that the valuation changes in 1961 applied in equal proportions to the preceding period.<sup>3</sup>

(e) The new concept also demands that inventories held apart from plant be included with plant inventories if establishment boundaries extend to warehouses and sales outlets. Prior to 1961, compilations took into account only the inventories held at plant. In this case, however, most of the missing data were available from supplementary questions in the Annual Census and from the Monthly Inventories and Shipments Survey and actual corrections could be made for previous years.

<sup>2</sup> Some manufacturing firms operate sales branches or selling warehouses as separate sales establishments for which complete accounting records of receipts, expenses, employment and sales are maintained. In such cases the plants, in effect, "sell" to the sales outlets on much the same basis as they would to independent buyers. The value of plant shipments is based on factory prices and the "boundary" of the manufacturing establishment does not extend beyond the plant. The sales outlets in such cases constitute separate sales establishments and are classified to wholesale or retail trade. Some sales outlets of manufacturing firms, although they physically handle products of the plants, do not maintain separate accounts and are generally treated for statistical purposes as extensions of manufacturing operations. Special arrangements were made for separate reporting in a few cases where the treatment of such outlets as manufacturing extensions would seriously affect the significance of statistics for particular manufacturing and trade industries.

<sup>3</sup> See footnote 1.

(f) Prior to 1961 the Census of Manufactures did not have complete coverage of head and administrative offices and had never surveyed separate sales offices, warehouses or laboratories operated by manufacturing firms. Beginning with the 1961 survey, complete coverage of these auxiliary units was effected. In the past the employment and salaries and wages of those head and administrative offices that were surveyed were either coded in total to the industry in which the greatest portion of the company's manufacturing activities was classified or else, in the case of certain large multi-unit firms with establishments in several industries, were pro-rated among the different industries involved. In the original 1961 statistics published in 1961 reports, the same coverage and treatment of head offices was applied to maintain comparability over the 1957-61 period. Beginning with the revised 1961 statistics, all head offices and auxiliary units are covered and are processed according to the methods described below.

### 1. Single-Establishment Companies

In the great majority of cases central administrative and executive personnel of companies consisting only of one establishment are generally located at the site of the manufacturing plant and are automatically included in the plant reports. Where head offices and auxiliary units are geographically separate from plant locations and employ a special number of workers they are surveyed on special questionnaires.

Separately located head offices, sales offices, administrative offices and other separate auxiliary units (laboratories, warehouses, etc.) do not usually constitute separate establishments<sup>4</sup> for purposes of industry statistics since they do not normally generate operational revenues but give rise only to costs of operation (mainly salaries and wages) which make up part of the selling price of manufactured products and which are thus included in the value of shipments or sales. Where such units belong to single-establishment companies, they will be considered as extensions of the establishment's boundaries and their operations consolidated with the establishment's total activity.

### 2. Multi-Establishment Companies

In the case of companies with more than one establishment the following rules are applied:

(i) Where all the establishments of a company are classified to the same (three-digit) industry, the head office and other auxiliary units are coded to that same industry.

(ii) Where the establishments of a company are not all classified to the same (three-digit) industry but are coded to different industries, or industries in different industry groups or even different divisions

<sup>4</sup> See footnote 2 for exceptions.

of the Standard Industrial Classification, the inclusion of data for head office and auxiliary units in any one of the (three-digit) industries concerned would distort the relationship between items of principal statistics. In such cases, the auxiliary units are coded at the group (two-digit) level in tabulations of industry statistics. Where multi-establishment companies cut across group or major division lines of the Classification, the head office and auxiliary units will be coded to the (two-digit) industry group in which the major part of the company's operations are classified. Although this may result in some distortion of (two-digit) industry group statistics it will eliminate distortion within groups as it will leave statistics at the (three-digit) industry level free of these company-wide data.

### **Period Covered**

Respondents are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. However, the data on employees, salaries, wages and man-hours are requested on a calendar year basis in all cases.

When establishments are operated for only a portion of a year, a report is required covering the period of operation.

### **Working Owners or Partners**

Beginning with the revised 1961 statistics working owners and partners of unincorporated businesses are shown as a separate category in the principal statistics and are neither included in the number of employees nor in 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. In all previous reports of the Census of Manufactures these workers were included as part of the number of administrative and office employees and their withdrawals were included as part of salaries. Withdrawals are defined as amounts withdrawn by owners or partners for normal living expenses, excluding withdrawals for payment of income tax.

### **Number of Establishments**

The number of establishments represents the number of operating units (accounting entities as per the new definition of the establishment) for which separate reports are submitted. Head offices located apart from establishments and which are surveyed separately and separate sales and administrative auxiliaries that are treated as extensions of manufacturing activities are not included in the establishment count. However, the operational statistics (employment, salaries etc.) of such auxiliary units which are coded at the "three-digit"

level are included in the principal statistics of industries coded at the same level; those units coded at the "two-digit" level are included with the statistics for groups of industries.

### **Employees**

As noted above, the number of working owners and partners are excluded from the number of employees, beginning with the revised 1961 statistics. This change brings the definition of "employees" in the Census of Manufactures in line with that of "employees" in the Bureau's monthly Employment Survey and with that of "paid workers" in the Bureau's Labour Force Survey. For purposes of historical comparisons, the number of working owners and partners should be added to total employees (beginning with the revised 1961 data) in order to correspond with the figure of "total employees" published in previous reports concerned with the Annual Census of Manufactures.

In addition to production and related workers engaged in manufacturing activities, total employees include administrative, office, sales and distribution workers as well as any production workers employed in non-manufacturing activities such as construction undertaken for the use of the establishment by its own employees (when these are treated as a separate work force) or logging (mostly in connection with sawmills or planing mills). Number of employees represents as closely as possible equivalent annual full-time employment. Adjustments are made when reported figures indicate the existence of part-time or seasonal employment.

Administrative and office employees include all executive and supervisory officials such as presidents, vice-presidents, controllers, secretaries, treasurers etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical etc. Sales and distribution workers include office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truck drivers and their helpers, etc. They exclude persons working on a commission basis who are not considered regular employees.

Production and related workers in manufacturing activities include, in addition to those engaged in processing and assembling, those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees in related activities such as maintenance, repair, janitorial and watchman services. Working foremen doing similar work to that of employees they supervise are also included. Production workers employed in non-manufacturing activities such as construction undertaken for the use of the establishment, logging

employees or outside piece-workers employed in certain industries are excluded from the number of production and related workers but are part of the total number of employees in those industries.

Production and related workers 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 twelve. This procedure is followed even though the plant did not operate in all months in order to derive equivalent annual full-time employment. The numbers are somewhat affected by turn over, in that employment is overstated when an employee changes employment within the same industry during a pay period. Other categories of workers are reported in the form of annual averages. Figures on employment and man-hours refer to the calendar year whether or not some establishments report other data on a financial year basis.

Man-hours of production and related workers in manufacturing activities 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.

### Salaries and Wages

Salaries and Wages refer to gross earnings of the employees described above, **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 workers' earnings. Payments for overtime are included.

Wages refer to amounts paid to production and related workers engaged in manufacturing operations as defined above. Salaries refer to amounts paid to all other categories of employees including relatively small numbers of production workers engaged in construction and extractive operations or who are employed as outside piece-workers. Figures on salaries and wages refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### 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.

### Materials and Supplies

(a) Used in 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. The statistics represent only commodity items or physical goods (costs 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. Respondents are required to report materials and supplies **used not purchased**. 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) Purchases for resale as such. Figures represent the 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.

(c) 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. Value of construction and repair work done by outside contractors is 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 medical supplies, laboratory supplies etc.

### Shipments

In general the figures represent revenue from all production, sales, services and related activities of reporting establishments. Non-operating revenues such as rent, interest and dividends and the sale of used fixed assets are excluded.

#### **(a) 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 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. (See notes on "Establishment").

Such shipments are net of returned goods, and value figures at the establishment exclude discounts, returns, allowances, sales taxes and excise duties, returnable containers, and charges for outward transportation by common or contract carriers. Transportation or delivery expenses incurred by the reporting establishments' own carriers are not deducted.

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 form B.13 "Customs Canada, Export Entry" has been completed, are treated as shipments.

In four industries, viz. Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair, where work on principal products extends over a relatively long period, the value of production, rather than the value of shipments, is recorded. For these industries value of production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on units delivered in the year under review. Adjustments to the value of shipments are also made for firms in these industries and in some other industries which operate on the basis of progress payments. The latter are treated as sales and not as inventory, so that for firms which use a progress payments account, an adjustment to the value of shipments is made for the net change in this account during the year.

#### **(b) Shipments of goods not of own manufacture**

These figures represent the net selling value at the establishment (less discounts, returns, allowances, sales taxes and excise duties 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 goods on a rental basis value of shipments represents the book value of such goods. All sales of consignment goods from other countries are included.

#### **(c) Other revenue**

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs and alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishments' 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 establishments' own employees, such as revenue from goods produced for rental (the book value of such goods are included as part of factory shipments), servicing revenues, commissions on sales (when not included in value of sales), revenue from company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishments' 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 inventory**

Values represent the book value of manufacturing inventory owned in Canada. The value of inventory held for which progress payments have been received is treated as shipments and is not included in inventory owned. 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. Inventory owned abroad has already been reported as shipments and is excluded.

#### **(b) Inventory of goods purchased for re-sale**

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by reporting establishments and held at the plants and at any warehouses or selling outlets which are treated as extensions of establishments. Inventory owned in transit in Canada or on consignment in Canada is included.

Because of changes in classification, the receipt of revised data, the inclusion of new establishments or the removal of old establishments which did not operate during the latest year, the opening inventory for the latest year does not necessarily coincide with the closing inventory of the preceding year.

### **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 total activities

Figures consist of value added by manufacturing activities plus value added by non-manufacturing activities and is compiled by deducting the cost 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, adjusted for changes in the value of inventories of goods purchased for re-sale.

"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 in 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.

### Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking for only a limited amount of detail. For purposes of publication, missing data were estimated on the basis of appropriate ratios. Beginning with the 1959 census, the general limit for short forms was raised from \$50,000 (the limit used since 1949) to \$100,000 value of shipments and a new medium form was used. This form is a shortened version of the long form in that some of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the

short and medium forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

Prior to 1961, the short form was limited to a question on the principal items of factory shipments. In the 1961 and 1962 censuses, in addition to the question on shipments of goods of own manufacture, general questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity and inventories, were estimated by using ratios based on the change in the value of shipments reported in 1961 and 1962. This was done to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportions of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

Beginning with the 1963 census, general questions on total purchases of materials, fuel and electricity and on total inventory were added on the short forms. The two questions, however, were designed so that the data can be easily derived from respondents' regular accounting records. This will permit a complete tabulation of principal statistics without the necessity of estimating missing items and will result in increased accuracy for rural area statistics where small firms account for a relatively important part of industrial output.

The addition of extra questions on the short form in recent years has also permitted an increase in the cut-off limits for short forms in many industries. This has meant that many more firms are now receiving the short form instead of the long or medium form. It has also resulted in the withdrawal of the medium form in a number of industries, thus further simplifying collection and tabulation procedures.

STATISTICS CANADA LIBRARY  
BIBLIOTHEQUE STATISTIQUE CANADA



1010682075