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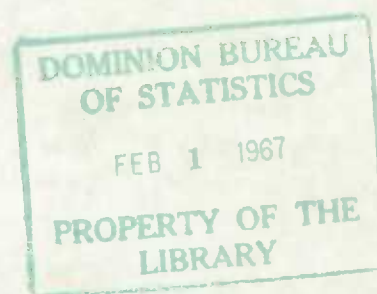


# MANUFACTURERS OF SMALL ELECTRICAL APPLIANCES

1964

ANNUAL CENSUS  
OF MANUFACTURES

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## MANUFACTURERS OF SMALL ELECTRICAL APPLIANCES

### 1964

For statistical purposes the industry titled Manufacturers of Small Electrical Appliances in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing small electrical appliances such as vacuum cleaners, fans, toasters, irons and water heaters. Establishments primarily engaged in manufacturing household refrigerators and farm and home freezers; domestic cooking and heating stoves; domestic laundry equipment; and sewing machines are classified in Industry No. 332 — Manufacturers of Major Appliances (Electric and Non-electric).

An analysis of the principal statistics for 1964 indicates that the value of shipments of products of own manufacture increased by 11 per cent, the cost of materials used increased by 9.8 per cent, the value of production increased by 9.9 per cent and value added increased by 10 per cent. During the same period the total cost of materials used was 48 per cent of the value of production and value added was 51 per cent.

The value of small electrical appliances shipped by firms classified to this industry accounted for 90 per cent of their total shipments. Some of the other products shipped were die castings, commercial cooking equipment, cooking utensils, industrial heating equipment, base-board heating and conventional blankets.

## SYMBOLS

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

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

— amount too small to be expressed.

P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements of the Statistics Act.



TABLE 1. Principal Statistics, 1961-64

Year and province	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1961</b>													
<b>Totals .....</b>	<b>59</b>	<b>2,735</b>	<b>5,506</b>	<b>9,790</b>	<b>545</b>	<b>31,577</b>	<b>66,382</b>	<b>34,165</b>	<b>6</b>	<b>18</b>	<b>4,003</b>	<b>16,277</b>	<b>34,746</b>
<b>1962</b>													
<b>Totals .....</b>	<b>57</b>	<b>3,007</b>	<b>6,233</b>	<b>10,857</b>	<b>539</b>	<b>38,406</b>	<b>76,490</b>	<b>40,022</b>	<b>5</b>	<b>17</b>	<b>4,243</b>	<b>17,250</b>	<b>40,684</b>
<b>1963</b>													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	7	385	886	1,422	70	2,797	8,892	6,379	x	x	489	1,994	6,214
Ontario .....	44	2,940	6,031	10,674	470	39,446	77,084	38,587	x	x	4,018	16,736	39,235
Manitoba .....	4	46	93	225	27	835	1,536	698	-	-	65	353	701
Saskatchewan .....	-												
Alberta .....	-												
British Columbia .....	1												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>56</b>	<b>3,371</b>	<b>7,010</b>	<b>12,321</b>	<b>566</b>	<b>43,078</b>	<b>87,513</b>	<b>45,665</b>	<b>5</b>	<b>17</b>	<b>4,572</b>	<b>19,083</b>	<b>46,150</b>
<b>1964</b>													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	7	347	734	1,372	77	2,760	9,838	6,815	x	x	446	1,971	6,815
Ontario .....	47	3,077	6,266	11,559	510	43,527	85,719	42,778	x	x	4,235	18,453	44,308
Manitoba .....	4	54	110	277	28	971	1,703	737	x	x	74	436	734
Saskatchewan .....	-												
Alberta .....	-												
British Columbia .....	1												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>59</b>	<b>3,478</b>	<b>7,109</b>	<b>13,208</b>	<b>616</b>	<b>47,259</b>	<b>97,260</b>	<b>50,330</b>	<b>6</b>	<b>15</b>	<b>4,755</b>	<b>20,861</b>	<b>51,856</b>

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1963 and 1964

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1963</b>													
Under \$10,000	5	1	2	3	--	21	49	26	4	12	1	3	26
\$ 10,000 to \$ 24,999	4	9	18	31	3	63	136	72	—	—	16	55	77
25,000 " 49,999	5	17	34	49	6	146	299	169	1	5	24	79	182
50,000 " 99,999	3	12	28	32	8	176	361	179	—	—	26	97	186
100,000 " 199,999	9	122	243	346	29	1,658	3,036	1,381	—	—	173	616	1,435
200,000 " 499,999	9	384	810	1,078	69	3,705	7,101	3,695	—	—	478	1,566	3,680
500,000 " 999,999	16	1,422	2,985	4,646	190	19,659	33,793	14,427	—	—	1,866	6,975	14,952
1,000,000 " 4,999,999	5	1,404	2,891	6,137	262	17,649	42,737	25,715	—	—	1,988	9,692	25,612
5,000,000 and over	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>56</b>	<b>3,371</b>	<b>7,010</b>	<b>12,321</b>	<b>566</b>	<b>43,078</b>	<b>87,513</b>	<b>45,665</b>	<b>5</b>	<b>17</b>	<b>4,572</b>	<b>19,083</b>	<b>46,150</b>
<b>1964</b>													
Under \$10,000	3	—	—	—	1	6	22	14	4	8	—	—	14
\$ 10,000 to \$ 24,999	4	5	9	13	1	32	72	44	1	3	8	21	44
25,000 " 49,999	3	9	18	35	2	45	120	71	—	—	14	55	71
50,000 " 99,999	7	25	51	84	7	228	441	211	—	—	34	119	217
100,000 " 199,999	3	14	28	34	7	214	421	203	1	5	28	87	201
200,000 " 499,999	7	111	219	334	31	1,283	2,424	1,113	—	—	151	571	1,117
500,000 " 999,999	9	313	620	881	63	4,023	6,896	3,091	—	—	411	1,438	3,160
1,000,000 " 4,999,999	18	1,616	3,287	5,297	213	21,580	37,661	16,016	—	—	2,117	8,034	16,476
5,000,000 and over	5	1,385	2,878	6,530	292	19,847	49,202	29,566	—	—	1,992	10,537	30,556
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>59</b>	<b>3,478</b>	<b>7,109</b>	<b>13,208</b>	<b>616</b>	<b>47,259</b>	<b>97,260</b>	<b>50,330</b>	<b>6</b>	<b>15</b>	<b>4,755</b>	<b>20,861</b>	<b>51,856</b>

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1963 and 1964

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1963</b>													
Under \$10,000	5	1	2	3	--	21	49	26	4	12	1	3	26
\$ 10,000 to \$ 24,999	4	9	18	31	3	63	136	72	—	—	16	55	77
25,000 " 49,999	6	19	38	57	8	197	400	210	1	5	29	100	223
50,000 " 99,999	5	34	72	102	11	552	944	414	—	—	57	206	456
100,000 " 199,999	4	90	179	228	16	990	1,645	637	—	—	115	349	644
200,000 " 499,999	13	513	1,077	1,515	100	7,041	11,313	4,317	—	—	649	2,248	4,311
500,000 " 999,999	9	545	1,111	1,863	100	7,997	14,927	6,913	—	—	795	3,162	7,306
1,000,000 " 4,999,999	10	2,160	4,514	8,521	329	26,217	58,099	33,075	—	—	2,910	12,960	33,106
5,000,000 and over	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>56</b>	<b>3,371</b>	<b>7,010</b>	<b>12,321</b>	<b>566</b>	<b>43,078</b>	<b>87,513</b>	<b>45,665</b>	<b>5</b>	<b>17</b>	<b>4,572</b>	<b>19,083</b>	<b>46,150</b>
<b>1964</b>													
Under \$10,000	4	—	—	—	1	11	34	20	5	10	—	—	20
\$ 10,000 to \$ 24,999	7	15	29	45	5	128	250	121	—	—	23	79	126
25,000 " 49,999	9	29	59	96	9	432	831	389	1	5	47	174	393
50,000 " 99,999	8	164	324	487	39	1,986	3,162	1,202	—	—	208	679	1,190
100,000 " 199,999	10	384	789	1,188	80	6,628	9,834	3,439	—	—	504	1,853	3,433
200,000 " 499,999	9	622	1,252	2,056	106	7,981	14,794	6,563	—	—	874	3,385	6,993
500,000 " 999,999	12	2,264	4,657	9,355	377	30,093	68,356	38,597	—	—	3,099	14,691	39,701
1,000,000 " 4,999,999	...	...	...	...	...	...	...	...	...	...	...	...	...
5,000,000 and over	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>59</b>	<b>3,478</b>	<b>7,109</b>	<b>13,208</b>	<b>616</b>	<b>47,259</b>	<b>97,260</b>	<b>50,330</b>	<b>6</b>	<b>15</b>	<b>4,755</b>	<b>20,861</b>	<b>51,856</b>

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1963 and 1964

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000				\$'000			\$'000		\$'000	
<b>1963</b>													
Under \$10,000 .....	5	1	2	3	--	21	49	26	4	12	1	3	26
\$ 10,000 to \$ 24,999 .....	4	9	18	31	3	63	136	72	—	—	16	55	77
25,000 " 49,999 .....	5	17	34	51	6	167	332	162	1	5	25	82	162
50,000 " 99,999 .....	5	24	52	67	8	432	763	363	—	—	43	156	402
100,000 " 199,999 .....	5	102	203	270	20	1,140	1,893	736	—	—	133	417	759
200,000 " 499,999 .....	13	513	1,077	1,515	100	7,041	11,313	4,317	—	—	649	2,248	4,311
500,000 " 999,999 .....	8	524	1,071	1,806	96	6,792	12,689	5,944	—	—	701	2,811	5,919
1,000,000 " 4,999,999 .....	11	2,161	4,553	8,578	333	27,423	60,337	34,044	—	—	3,004	13,310	34,493
5,000,000 and over .....	1	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>56</b>	<b>3,371</b>	<b>7,010</b>	<b>12,321</b>	<b>566</b>	<b>43,078</b>	<b>87,513</b>	<b>45,665</b>	<b>5</b>	<b>17</b>	<b>4,572</b>	<b>19,083</b>	<b>46,150</b>
<b>1964</b>													
Under \$10,000 .....	4	—	—	—	1	11	34	20	5	10	—	—	20
\$ 10,000 to \$ 24,999 .....	6	13	25	38	3	88	185	101	—	—	19	60	101
25,000 " 49,999 .....	10	31	63	113	11	472	895	408	1	5	51	193	418
50,000 " 99,999 .....	9	178	352	493	42	2,281	3,666	1,403	—	—	233	769	1,389
100,000 " 199,999 .....	9	370	761	1,152	77	6,333	9,330	3,238	—	—	479	1,763	3,234
200,000 " 499,999 .....	9	650	1,320	2,224	111	8,325	15,187	6,578	—	—	869	3,454	6,585
500,000 " 999,999 .....	12	2,236	4,589	9,187	371	29,749	67,963	38,582	—	—	3,104	14,622	40,108
1,000,000 " 4,999,999 .....	1	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	1	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>59</b>	<b>3,478</b>	<b>7,109</b>	<b>13,208</b>	<b>616</b>	<b>47,259</b>	<b>97,260</b>	<b>50,330</b>	<b>6</b>	<b>15</b>	<b>4,755</b>	<b>20,861</b>	<b>51,856</b>

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1963 and 1964

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000				\$'000			\$'000		\$'000	
<b>1963</b>													
Under 5 employed .....	11	11	22	39	5	237	471	249	5	17	20	75	273
5- 14 employed .....	9	48	100	133	12	747	1,292	558	—	—	77	263	588
15- 49 " .....	12	260	537	795	66	4,040	7,093	3,141	—	—	354	1,291	3,146
50- 99 " .....	11	558	1,139	1,609	107	8,035	14,318	6,517	—	—	786	2,850	6,914
100-199 " .....	6	663	1,383	2,444	95	7,948	14,533	6,360	—	—	866	3,486	6,503
200-499 " .....	7	1,831	3,830	7,301	282	22,071	49,806	28,839	—	—	2,469	11,118	28,724
500 employed and over .....	1	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>56</b>	<b>3,371</b>	<b>7,010</b>	<b>12,321</b>	<b>566</b>	<b>43,078</b>	<b>87,513</b>	<b>45,665</b>	<b>5</b>	<b>17</b>	<b>4,572</b>	<b>19,083</b>	<b>46,150</b>
<b>1964</b>													
Under 5 employed .....	13	18	36	60	6	308	575	272	6	15	28	99	282
5- 14 employed .....	7	26	52	92	8	263	540	258	—	—	42	154	258
15- 49 " .....	14	261	534	774	70	4,867	7,745	2,898	—	—	360	1,333	2,939
50- 99 " .....	10	585	1,155	1,702	112	6,931	12,868	6,093	—	—	763	2,853	6,102
100-199 " .....	6	513	1,033	1,828	72	8,235	13,668	5,434	—	—	732	2,864	5,778
200-499 " .....	9	2,075	4,300	8,752	347	26,655	61,864	35,375	—	—	2,830	13,558	36,499
500 employed and over .....	1	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>59</b>	<b>3,478</b>	<b>7,109</b>	<b>13,208</b>	<b>616</b>	<b>47,259</b>	<b>97,260</b>	<b>50,330</b>	<b>6</b>	<b>15</b>	<b>4,755</b>	<b>20,861</b>	<b>51,856</b>



TABLE 6. Principal Statistics classified by Type of Organization, 1963 and 1964

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1963</b>													
Individual ownerships .....	5	—	—	—	1	35	82	47	5	17	—	—	47
Partnerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies .....	51	3, 371	7, 010	12, 321	565	43, 042	87, 431	45, 617	...	...	4, 572	19, 083	46, 103
Co-operatives .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>56</b>	<b>3, 371</b>	<b>7, 010</b>	<b>12, 321</b>	<b>566</b>	<b>43, 078</b>	<b>87, 513</b>	<b>45, 665</b>	<b>5</b>	<b>17</b>	<b>4, 572</b>	<b>19, 083</b>	<b>46, 150</b>
<b>1964</b>													
Individual ownerships .....	5	3	7	14	1	32	84	50	6	15	3	14	50
Partnerships .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies .....	54	3, 475	7, 103	13, 194	615	47, 227	97, 175	50, 281	...	...	4, 752	20, 847	51, 807
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>59</b>	<b>3, 478</b>	<b>7, 109</b>	<b>13, 208</b>	<b>616</b>	<b>47, 259</b>	<b>97, 260</b>	<b>50, 330</b>	<b>6</b>	<b>15</b>	<b>4, 755</b>	<b>20, 861</b>	<b>51, 856</b>

TABLE 7. Calculation of Output, Input and Value Added, 1963 and 1964

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
	\$'000					
<b>Output</b>						
1. Shipments and other revenue .....	87, 513	97, 260	4, 559	5, 728	92, 072	102, 987
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	4, 514	5, 696	...	...	4, 514	5, 696
Finished goods .....	9, 231	10, 578	...	...	9, 231	10, 578
Deduct opening—Goods in process .....	4, 896	4, 422	...	...	4, 896	4, 422
Finished goods .....	7, 053	10, 906	...	...	7, 053	10, 906
2. Net inventory change .....	1, 796	946	...	...	1, 796	946
3. Gross output (1 + 2) .....	89, 308	98, 206	4, 559	5, 728	93, 867	103, 933
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	3, 727	3, 698	3, 727	3, 698
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	925	1, 499	925	1, 499
Deduct closing .....	...	...	1, 162	1, 377	1, 162	1, 377
5. Cost of goods sold (not of own manufacture) .....	...	...	3, 490	3, 820	3, 490	3, 820
6. Materials, supplies, etc. ....	43, 078	47, 259	584	382	43, 662	47, 641
7. Fuel and electricity .....	566	616	...	...	566	616
8. Gross input (5 + 6 + 7) .....	43, 644	47, 875	4, 074	4, 202	47, 718	52, 077
<b>Value added (3 - 8) .....</b>	<b>45, 665</b>	<b>50, 330</b>	<b>485</b>	<b>1, 526</b>	<b>46, 150</b>	<b>51, 856</b>



TABLE 8. Employment and Payroll, 1963 and 1964

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distribution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
	number										\$'000				
1963															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	295	90	4	-	51	26	20	3	370	119	1,422	9	446	117	1,994
Ontario .....	1,582	1,358	1	-	473	295	268	41	2,324	1,694	10,674	1	4,195	1,865	16,736
Manitoba .....	46	-	-	-	7	3	9	-	62	3	225	-	69	59	353
Saskatchewan .....															
Alberta .....															
British Columbia .....															
Yukon and Northwest Territories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	1,923	1,448	5	-	531	324	297	44	2,756	1,816	12,321	10	4,711	2,041	19,083
1964															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	266	81	1	-	46	28	22	2	335	111	1,372	1	465	133	1,971
Ontario .....	1,642	1,435	1	-	529	274	310	44	2,482	1,753	11,559	4	4,688	2,203	18,453
Manitoba .....	54	-	-	-	7	3	10	-	71	3	277	-	79	81	436
Saskatchewan .....															
Alberta .....															
British Columbia .....															
Yukon and Northwest Territories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	1,962	1,516	2	-	582	305	342	46	2,888	1,867	13,208	5	5,232	2,417	20,861

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1963 and 1964

Month	1963		1964	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January .....	1,789	1,276	1,878	1,321
February .....	1,810	1,321	1,882	1,272
March .....	1,836	1,294	1,873	1,272
April .....	1,835	1,277	1,860	1,313
May .....	1,832	1,308	1,861	1,302
June .....	1,843	1,313	1,871	1,406
July .....	1,778	1,305	1,828	1,359
August .....	1,877	1,445	1,925	1,560
September .....	1,914	1,522	1,911	1,692
October .....	1,980	1,703	1,927	1,778
November .....	1,974	1,695	1,949	1,817
December .....	1,874	1,445	1,905	1,581
Averages .....	1,865	1,410	1,889	1,476
Establishments reporting annual averages (small establishments only) .....	58	38	73	40
Average for all establishments .....	1,923	1,448	1,962	1,516

TABLE 10. Inventories, 1964

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	991	206	736	1,933	—	1,933
Ontario .....	6,100	4,177	10,100	20,377	1,499	21,875
Manitoba .....	140	38	70	248	—	248
Saskatchewan .....						
Alberta .....						
British Columbia .....	—	—	—	—	—	—
Yukon and Northwest Territories .....						
Totals .....	7,231	4,422	10,906	22,559	1,499	24,057
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	861	339	418	1,619	18	1,636
Ontario .....	6,580	5,294	10,081	21,955	1,359	23,314
Manitoba .....	241	63	79	383	—	383
Saskatchewan .....						
Alberta .....						
British Columbia .....	—	—	—	—	—	—
Yukon and Northwest Territories .....						
Totals .....	7,683	5,696	10,578	23,956	1,377	25,333

TABLE 11. Purchased Fuel and Electricity Used in Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	889	12	-
(b) Imported .....	"			513
Sub-bituminous coal (from Alberta mines only) .....	"	-	-	-
Anthracite coal .....	"	-	-	-
Lignite coal .....	"	-	-	-
Coke .....	"	-	-	-
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	50,146	21	74,934
Fuel oil including kerosene or coal oil .....	"	1,011,749	98	1,091,473
Wood .....	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	25,920	5	24,532
(b) Other manufactured gas .....	M cu. ft.	-	-	-
(c) Natural gas .....	"	107,192	103	116,998
Other fuel .....	...	...	2	...
Electricity purchased .....	kwh.	30,267,456	284	32,473,654
Steam purchased .....	...	...	6	...
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	36	...	37
3. All establishments:				
Total fuel and electricity used .....	...	566	...	616

TABLE 12. Materials and Supplies - Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost \$'000	Quantity	Cost \$'000
<b>1. Materials used:</b>				
Aluminum:				
Castings .....	lb.	1,874,269	1,151	2,518,034
Wire rods .....	"	6,559	4	6,845
Sheet and strip .....	"	585,846	309	668,408
Other .....	"	...	534	...
Brass and bronze:				
Castings .....	lb.	116,564	137	141,222
Wire rods .....	"	28,225	14	26,460
Sheet and strip .....	"	274,829	189	461,374
Other .....	"	...	206	...
Carbon brushes .....	"	...	81	...
Copper:				
Wire rods .....	lb.	144,504	74	144,545
Sheets and strip .....	"	250,297	158	289,374
Tubing and pipe .....	"	300,137	199	358,866
Wire, enamelled .....	"	559,358	386	446,017
Wire, other insulated .....	"	...	446	...
Other .....	"	...	337	...
Cotton and linen, all forms, i.e., sheets, tapes, etc. ....	"	...	24	...
Insulating varnishes, japans, enamels and lacquers .....	"	...	18	...
Insulators, porcelain and glass, 600 volts and over .....	"	...	7	...
Iron and steel (except alloy):				
Castings (rough and semi-finished received from foundry):				
Iron, gray and malleable .....	ton	305	106	577
Steel .....	"	1,091	223	230
Steel bars and rods .....	"	214	67	177
Steel sheets and strip:				
Plain .....	"	6,973	1,328	6,958
Galvanized .....	"	709	149	981
Steel wire .....	"	64	14	54
Other (except alloy) .....	"	...	528	...
Alloy steel, in all forms:				
Stainless .....	"	...	415	...
Silicon sheets and strips .....	ton	881	260	701
Other alloy, including tool steel, all forms .....	"	...	843	...
Lead .....	lb.	2,500	1	2,500
Mica (unfabricated forms only) .....	"	54,770	46	32,673
Motors, electric:				
Under 1hp. ....	No.	391,581	1,317	592,090
1 hp. and over A.C. or D.C. ....	"	2,571	18	17,595
Paints, stains, lacquers, etc. (for finishing only) .....	"	...	206	...
Resins synthetic (moulding powders, sheets, etc.):				
Vinyl type (PVC, etc.) .....	"	...	47	...
Polyethylene type (polythene, etc.) .....	"	...	111	...
Other (bakelite, etc.) .....	"	...	312	...
Resistance wire, ribbon and strip .....	lb.	109,265	597	119,639
Sulphuric acid, 100% .....	"	43,200	2	21,520
All other materials and components used <sup>1</sup> .....	"	...	29,233	...
<b>2. Containers and other packaging materials and supplies used</b> .....				
<b>3. Operating, maintenance and repair supplies used (excluding fuel)</b> .....				
<b>4. Amount paid out to others for work done on materials owned by establishments</b> .....				
<b>Totals</b> .....	...	43,078	...	47,259

<sup>1</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$982,400 in 1963 and \$1,083,077 in 1964.



TABLE 13. Shipments of Goods of Own Manufacture, 1963 and 1964

Description	1963		1964	
	Quantity	Value	Quantity	Value
	No.	\$'000	No.	\$'000
<b>1. Products:</b>				
Air space heaters, electric:				
Fan forced type, portable .....	108,450	1,381	100,562	1,370
Other type .....	18,008	306	37,911	482
Bed coverings, electric (blankets, sheets, etc.) .....	141,911	1,484	179,611	1,880
Coffee makers, electric:				
Domestic, automatic .....	120,302	1,595	119,990	1,563
Domestic, non-automatic .....	15,444	53	<sup>1</sup>	<sup>1</sup>
Fans, electric (except industrial type):				
Wall bracket, table, counter and desk .....	78,656	556	90,141	651
Exhaust and ventilating .....	72,031	793	83,667	886
Other fans (except industrial) .....	...	1,046	...	1,213
Flat irons, electric:				
Domestic, steam .....	491,580	3,964	582,549	5,257
Dry, automatic .....	44,123	296	47,101	288
Other irons, electric .....	...	19	<sup>1</sup>	<sup>1</sup>
Floor polishers, electric (household type) .....	203,754	5,004	191,948	5,219
Frying pans, electric, domestic .....	230,375	2,564	265,154	2,890
Heating pads (including footwarmers) .....	181,112	694	180,669	544
Kettles, electric, domestic .....	333,554	2,090	356,877	2,363
Electric cooking stoves or ranges over 35 amps. etc. ....	3,113	220	2,494	199
Electric cooking plates or grills including stoves for glass coffee makers .....	38,804	316	64,597	356
Other stoves and ranges .....	...	620	...	586
Toasters, electric:				
Domestic, sandwich .....	36,993	170	48,243	225
Domestic, automatic .....	382,592	3,755	515,219	5,192
Domestic, non-automatic .....	45,752	85	53,374	108
Vacuum cleaners:				
Electric, domestic, upright floor models .....	56,943	2,346	49,039	2,294
Electric, domestic cylinder, or other straight suction type .....	167,687	8,867	213,600	9,682
Electric, domestic, hand models and attachments for all types .....	3,066	315	<sup>1</sup>	<sup>1</sup>
Waffle irons, electric, domestic .....	49,829	501	54,680	473
Water tank heaters, domestic, all types .....	365,134	6,636	337,590	6,447
Other appliances, parts and attachments .....	...	24,076	...	27,120
Heating elements:				
For electric stoves, etc. ....	...	5,051	...	5,926
For other electrical appliances .....	...	654	...	913
All other products .....	...	12,150	...	13,337
<b>2. Amount received in payment for work done on materials and products owned by others .....</b>	...	113	...	63
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(207)	...	(264)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
<b>Total adjusted value of shipments and work done .....</b>	...	<b>87,513</b>	...	<b>97,260</b>

<sup>1</sup> Confidential. Included in "Other appliances, parts, and attachments".

**TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries**  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)  
**A. Electric Vacuum Cleaners and Parts, 1955-64**

Year	Floor models		Cylinder		Hand models <sup>1</sup>		Attachments and parts		Total	
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000		\$'000		\$'000
1955 .....	19,795	1,341	125,711	6,832	—	—	—	1,008	—	9,181
1956 .....	20,727	1,541	145,621	8,105	—	—	—	529	—	10,347
1957 .....	22,516	1,681	128,252	7,052	—	—	—	372	—	9,105
1958 .....	25,310	1,741	132,201	8,048	..	..	..	251	..	10,041
1959 .....	32,616	1,930	130,989	8,087	..	..	..	220	..	10,238
1960 .....	32,508	1,576	132,780	7,651	..	..	..	351	..	9,579
1961 .....	34,314	1,695	129,761	7,265	..	..	..	245	..	9,206
1962 .....	34,548	1,678	155,690	8,286	..	..	..	335	..	10,454
1963 .....	58,252	2,505	176,114	9,093	..	..	..	335	..	11,933
1964 .....	62,449	2,823	219,469	9,849	..	..	..	350	..	13,022

**B. Flat Irons, 1955-64**

Year	Steam		Automatic		Non-automatic		Total <sup>2</sup>	
	Number	Value	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000		\$'000
1955 .....	330,791	3,347	202,299	1,250	65,351	180	598,411	4,777
1956 .....	424,084	4,332	141,086	853	46,681	161	611,851	5,346
1957 .....	356,714	3,865	134,789	828	33,346	115	524,849	4,810
1958 .....	323,823	3,399	96,000	571	30,314	102	450,137	4,037
1959 .....	328,150	3,438	90,493	590	18,770	57	437,413	4,087
1960 .....	299,211	3,071	84,472	569	12,610	26	396,293	3,666
1961 .....	297,958	2,939	62,448	391	11,542	28	371,948	3,380
1962 .....	432,910	4,268	51,639	322	12,523	47	497,072	4,637
1963 .....	491,580	3,964	46,693	296	4,812	19	543,085	4,279
1964 .....	588,549	5,257	47,101	288	x	x	635,650	5,545

**C. Electric Toasters, 1955-64**

Year	Domestic, automatic		Domestic, non-automatic		Domestic sandwich <sup>3</sup>		Other <sup>4</sup>		Total	
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000		\$'000		\$'000
1955 .....	191,558	2,602	110,280	284	40,111	176	199	13	342,148	3,077
1956 .....	230,387	3,099	94,088	224	49,712	214	274	15	374,461	3,554
1957 .....	193,411	2,567	71,983	149	58,830	233	107	3	324,331	2,953
1958 .....	202,087	2,579	64,151	134	45,317	194	90	1	311,645	2,909
1959 .....	201,845	2,690	56,796	117	43,531	194	5	—	302,177	3,003
1960 .....	184,647	2,338	52,831	107	41,089	173	..	..	278,567	2,619 <sup>5</sup>
1961 .....	188,923	2,142	53,851	108	40,757	171	..	..	283,531	2,422 <sup>4</sup>
1962 .....	293,742	3,030	51,838	91	42,502	181	—	—	388,082	3,302
1963 .....	382,592	3,755	52,849	91	40,059	180	—	—	475,500	4,026
1964 .....	515,219	5,192	53,374	108	48,243	225	—	—	616,836	5,525

See footnotes at end of table.

**TABLE 14. Shipments of Selected Goods of Own Manufacture—All Industries**  
**D. Domestic Water-tank Heaters, 1963 and 1964**

Type	1963		1964	
	Number	Value \$'000	Number	Value \$'000
Cast iron, for coal, wood or oil (120 gallons or less) .....	1,436	314	1,449	233
Gas, automatic .....	132,450	8,696	141,085	8,303
Electric, circulating type .....	1,726	19	1,268	26
Electric, immersion type .....	285,851	751	315,549	867
Clamp-on type .....	4,945	27	6,335	33
Electric, automatic storage tank type, including tank and controls .....	175,012	10,642	203,476	12,130
<b>Totals</b> .....	<b>601,420</b>	<b>20,449</b>	<b>669,162</b>	<b>21,592</b>

**E. Miscellaneous Small Electric Appliances, 1963 and 1964**

Item	1963		1964	
	Number	Value \$'000	Number	Value \$'000
Heating pads .....	181,112	694	180,669	544
Floor polishers .....	203,754	5,004	192,117	5,223
Coffee makers, domestic .....	143,746	1,733	133,435	1,661
Kettles .....	396,823	2,443	421,165	2,913
Fry pans .....	230,375	2,564	265,154	2,890
Fans:				
Portable .....	105,138	927	124,623	1,213
All other* .....	...	1,850	...	2,033
Food mixers, juicers and blenders, electric, domestic .....	217,299	3,111	289,884	3,645
Hair dryers, electric, domestic .....	656,248	8,899	458,760	5,814
Bed coverings, electric (blankets, sheets, etc.) .....	141,911	1,484	179,611	1,880
Can openers, electric .....	57,248	755	93,799	1,090
Razors (dry shavers), electric .....	367,739	4,904	344,020	4,638

<sup>1</sup> Hand models included with attachments and parts from 1955 on.

<sup>2</sup> Excluding travel irons.

<sup>3</sup> Does not include waffle iron sandwich toaster combination.

<sup>4</sup> Includes commercial type.

<sup>5</sup> Excludes "Other".

<sup>6</sup> Includes range hoods since 1962.

**List of Establishments classified to This Industry, 1964**

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

Name	Location
<b>Quebec:</b>	
Canadian Armature Works Inc. ....	6595 St. Urbain St., Montreal
Danby Appliance Corp., The .....	5770 Ferrier St., Town of Mount Royal
Electro-Steam Mfg. Co. Ltd. ....	154 Fairmont Ave. W., Montreal
Electrolux (Canada) Ltd. ....	2751 Trans Canada Hwy., Pointe-Claire
Giant Electric Mfg. Co. Ltd. ....	40 Hurtubise Blvd., Montreal
G.P. Gas Appliances Co. ....	420 Majeau St., Montreal North
Toastess Corp. (Canada) .....	815 Tecumseh St., Pointe-Claire



List of Establishments classified to This Industry, 1964

Name	Location
<b>Ontario:</b>	
A & L Electrical Element Mfg. Ltd. ....	Cornwall
Brock Snyder Mfg. Co. Ltd. ....	Grimsby
Canadian Chromalox Co. Ltd., The ....	210 Rexdale Blvd., Rexdale
Canadian Fractional Motors Co. Ltd. ....	Warton
Canadian General Electric Co. Ltd. ....	84 Bradford St., Barrie
Canadian General Electric Co. Ltd. ....	24 Ward St., Toronto
Canadian Westinghouse Co. Ltd. ....	Greenwich St., Brantford
Charlescraft Corporation (Canada) Ltd. ....	421 Islington Ave. S., Toronto
Clyde Fans Ltd. ....	241 King St. E., Toronto
Continental Electric Co. Ltd. ....	310 Spadina Ave., Toronto
Cory Corp'n. Canada Ltd. ....	3300 Dufferin St., Toronto
Czarnecki Electric Ltd. ....	1208 Barbados Blvd., Scarborough
Elgee Products Ltd. ....	382 Enford Rd., Richmond Hill
Emerson-Pryne of Canada Ltd. ....	Markham
Endress, George W., Co. Ltd. ....	268 Grand River Ave., Brantford
Filliro Electric Ltd. ....	Orangeville
Force Electric Products Ltd. ....	Acton
Hanks Craft (Canada) Ltd. ....	Ajax
Hoover Co. Ltd., The ....	Gage Ave. & Barton St., Hamilton
Hygrade Electric Mfg. Co. ....	843 College St., Toronto
Knight Industries (1964) Ltd. ....	361 Jackson St. W., Hamilton
Lamb Industries of Canada Ltd. ....	6161 Tecumseh Rd., Windsor
Lanark Mills Ltd. ....	Smiths Falls
Landers, Frary and Clard (Canada) Ltd. ....	1415 Weston Rd., Toronto
Leader Fan Co. Ltd. ....	1228 Dupont St., Toronto
Muc's Enterprises ....	Box 372, Windsor
Markel Electric Products Ltd. ....	Fort Erie
Moffats Ltd. ....	79 West St. S., Orillia
Nutone Electrical Mfg. Co. of Canada Ltd. ....	110 Queen Elizabeth Blvd., Toronto
Ohm-Rite Electric Ltd. ....	482 Wellington St. W., Toronto
Proctor-Silex Ltd. ....	Picton
Pyrexon Ray Co. Ltd. ....	3 Federal St., Toronto 3
Remington Rand Ltd. Remington Electric Shaver Div. ....	111 Sherway Drive, Toronto
Rotor Electric Co. Ltd. ....	318 Rexdale Blvd., Rexdale
Ruud Limited ....	Portland & Windsor Sts., Mimico
Samson-Dominion Ltd. ....	26 Waterman Ave., Toronto
Schick (Canada) Ltd. ....	795 Pharmacy Ave., Scarborough
Schultz Mfg. Co. Ltd. ....	154 York St., Hamilton
Sheraton Mfg. Co. Ltd. ....	38 Hanna Ave., Toronto
Standard Appliance Mfg. Co. Ltd. ....	1542 Queensway, Toronto
Still-Man Mfg. Can. Ltd. ....	55 Underwriters Rd., Scarborough
Sunbeam Corporation (Canada) Ltd. ....	220 Islington Ave. N., Toronto
Superior Electrics Ltd. ....	Pembroke
Swenson & Son Ltd. ....	80 Orfus Rd., Toronto
Switson Industries Ltd. ....	201 Major St., Welland
Triad Equipment Ltd. ....	Downsview
Zera Industries Ltd. ....	223 Melrose St., Toronto 18
<b>Manitoba:</b>	
Element Specialty Mfg. Co. ....	223 Morley Ave., Winnipeg
Master Products, Co. ....	166 Princess St., Winnipeg
Red Devil Heater Mfg. Co. ....	272 Selkirk Ave., Winnipeg
Supreme Electric Appliance Ltd. ....	1098 Winnipeg Ave., Winnipeg
<b>British Columbia:</b>	
Allied Engineering of B.C. Ltd. ....	Granville Island, Vancouver

## CONCEPTS AND DEFINITIONS

### Census of Manufactures

#### General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 56 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

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

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

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

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

#### Establishment

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

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

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

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



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

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

#### **Head Offices and Auxiliary Units**

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

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

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

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the firm, when all establishments are in the same industry (3 or 4 digit). When establishments of

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

#### **Employees**

##### **(a) Production and related workers — Manufacturing activities**

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. For those establishments reporting on the "long" form, production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

##### **(b) Production and related workers — Non-manufacturing activities**

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



### **(c) Administrative and office employees**

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

### **(d) Sales and distribution workers**

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

### **(e) Total Employees**

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

### **Working Owners or Partners**

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

### **Salaries and Wages**

Salaries and wages refer to gross earnings of employees **before** deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages,

bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

### **Fuel and Electricity**

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

### **Materials and Supplies**

#### **(a) Manufacturing activities**

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

#### **(b) Non-manufacturing activities**

##### **1. Purchases for re-sale as such**

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

##### **2. Other materials and supplies used**

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

purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

## **Shipments**

### **(a) General**

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

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

### **(b) Shipments of goods of own manufacture**

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

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

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity

are collected by means of the Commodity questionnaire referred to earlier. Such shipments together with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

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

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

### **(d) Other revenue**

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

## **Inventories**

### **(a) Manufacturing activities**

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





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

**(b) Non-manufacturing activities**

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

**Value Added**

**(a) By manufacturing activities**

Figures are compiled by deducting the cost of manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture adjusted for changes in the value of inventories of finished goods and goods in process).

**(b) By non-manufacturing activities**

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

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

**(c) By Total activities**

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