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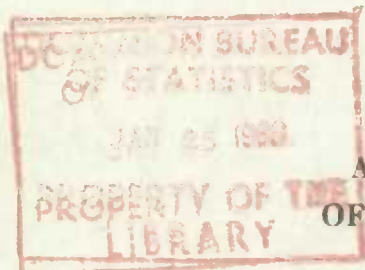
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ANNUAL



MANUFACTURERS OF SMALL ELECTRICAL APPLIANCES

1963



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MANUFACTURERS OF SMALL ELECTRICAL APPLIANCES

1963

Data presented in this report under the heading of Manufacturers of Small Electrical Appliances reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of industry statistics — see items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report.

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).

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.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1 A. Principal Statistics classified by Province, 1962 and 1963

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	59	2,755	5,506	9,790	545	31,577	66,382	34,165	6	18	4,003	16,277	34,746
1962													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—	—	—	—	—	—	—	—
Quebec	7	368	810	1,405	72	2,998	7,886	4,758	x	x	462	1,805	4,697
Ontario	44	2,579	5,292	9,150	427	34,436	66,856	34,668	x	x	3,692	14,965	35,311
Manitoba	4	60	131	302	40	972	1,748	596	3	11	89	480	676
Saskatchewan	—												
Alberta	—												
British Columbia	2												
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	57	3,007	6,233	10,857	539	38,406	76,490	48,022	5	17	4,243	17,250	40,684
1963													
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	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	56	3,371	7,010	12,321	566	43,078	87,513	45,865	5	17	4,572	19,083	48,150

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000.....	4	2	3	4	1	18	41	23	3	10	2	4	22
\$ 10,000 to \$ 24,999.....		6	13	26	4	112	240	124	2	8	20	66	138
25,000 " 49,999.....		6	23	46	7	155	356	194	—	—	37	125	203
50,000 " 99,999.....		10	149	306	30	1,727	3,165	1,430	—	—	202	594	1,426
100,000 " 199,999.....	10	307	637	980	81	3,222	6,652	3,241	—	—	423	1,642	3,300
200,000 " 499,999.....		17	1,397	2,924	4,651	18,256	33,080	14,780	—	—	1,921	7,002	15,461
500,000 " 999,999.....	4	1,116	2,292	4,774	216	14,916	32,955	20,230	—	—	1,638	7,817	20,134
1,000,000 " 4,999,999.....		—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	57	3,007	6,233	10,857	539	38,406	76,490	40,022	5	17	4,243	17,250	40,684
1963													
Under \$10,000.....	5	1	2	3	—	21	49	26	4	12	1	3	26
\$ 10,000 to \$ 24,999.....		4	9	18	3	63	136	72	—	—	16	55	77
25,000 " 49,999.....		5	17	34	6	146	299	169	1	5	24	79	182
50,000 " 99,999.....		3	12	28	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	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	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.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	56	3,371	7,010	12,321	566	43,078	87,513	45,665	5	17	4,572	19,083	46,150

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000.....	4	2	3	4	1	18	41	23	3	9	2	4	22
\$ 10,000 to \$ 24,999.....		6	13	26	4	112	240	124	2	8	20	66	138
25,000 " 49,999.....		7	35	70	12	329	582	242	—	—	51	162	251
50,000 " 99,999.....		8	130	282	41	2,113	3,300	1,032	—	—	175	598	1,113
100,000 " 199,999.....	15	521	1,054	1,597	105	6,194	11,169	4,868	—	—	719	2,626	4,817
200,000 " 499,999.....		9	604	1,269	66	9,677	15,821	6,451	—	—	884	2,849	7,118
500,000 " 999,999.....	8	1,702	3,529	7,033	311	19,963	45,336	27,283	—	—	2,392	10,946	27,224
1,000,000 " 4,999,999.....		—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	57	3,007	6,233	10,857	539	38,406	76,490	40,022	5	17	4,243	17,250	40,684
1963													
Under \$10,000.....	5	1	2	3	—	21	49	26	4	12	1	3	26
\$ 10,000 to \$ 24,999.....		4	9	18	3	63	136	72	—	—	16	55	77
25,000 " 49,999.....		6	19	38	8	197	400	210	1	5	29	100	223
50,000 " 99,999.....		5	34	72	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	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	329	26,217	58,099	33,075	—	—	2,910	12,960	32,106
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	56	3,371	7,010	12,321	566	43,078	87,513	45,665	5	17	4,572	19,083	46,150

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000.....	4	2	3	4	1	18	41	23	3	9	2	4	22
\$ 10,000 to \$ 24,999.....	5	10	20	34	3	92	201	106	2	8	13	45	107
25,000 " 49,999.....	10	68	142	167	18	580	1,030	436	—	—	98	292	456
50,000 " 99,999.....	5	79	166	206	15	1,604	2,340	704	—	—	105	321	705
100,000 " 199,999.....	16	542	1,105	1,713	125	6,472	11,721	5,020	—	—	749	2,794	5,051
200,000 " 499,999.....	8	587	1,236	1,653	63	8,596	13,817	5,549	—	—	799	2,540	5,846
500,000 " 999,999.....	9	1,719	3,563	7,079	314	21,044	47,340	28,185	—	—	2,477	11,255	28,497
1,000,000 " 4,999,999.....													
5,000,000 and over.....													
Head offices, sales offices and auxiliary units.....													
Totals.....	57	3,007	6,233	10,857	539	38,406	76,490	40,022	5	17	4,243	17,250	40,684
1963													
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.....													
5,000,000 and over.....	11	2,181	4,553	8,578	333	27,423	60,337	34,044	—	—	3,004	13,310	34,493
Head offices, sales offices and auxiliary units.....													
Totals.....	56	3,371	7,010	12,321	566	43,078	87,513	45,665	5	17	4,572	19,083	46,150

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under 5 employed.....	12	19	37	60	7	185	405	213	5	17	27	102	221
5- 14 ".....	6	37	74	90	9	510	805	281	—	—	55	160	295
15- 49 ".....	16	281	595	786	77	4,735	8,594	3,793	—	—	431	1,571	3,846
50- 99 ".....	12	595	1,206	1,952	109	8,241	14,458	6,173	—	—	865	3,248	6,507
100-199 ".....	6	781	1,607	2,382	88	8,258	14,374	6,046	—	—	1,001	3,386	6,447
200-499 ".....	5	1,294	2,716	5,586	249	16,478	37,855	23,516	—	—	1,864	8,784	23,368
500 employed and over.....													
Head offices, sales offices and auxiliary units.....													
Totals.....	57	3,007	6,233	10,857	539	38,406	76,490	40,022	5	17	4,243	17,250	40,684
1963													
Under 5 employed.....	11	11	22	39	5	237	471	249	5	17	20	75	273
5- 14 ".....	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.....													
Head offices, sales offices and auxiliary units.....													
Totals.....	56	3,371	7,010	12,321	566	43,078	87,513	45,665	5	17	4,572	19,083	46,150

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

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Individual ownerships	5	4	8	14	1	53	115	60	5	17	4	14	62
Partnerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies	52	3,003	6,225	10,843	538	38,353	76,375	39,961	—	—	4,239	17,237	40,622
Cooperatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	57	3,007	6,233	10,857	539	38,406	76,490	40,022	5	17	4,243	17,250	40,684
1963													
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
Cooperatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	56	3,371	7,010	12,321	566	43,078	87,513	45,665	5	17	4,572	19,083	46,150

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
\$'000						
Output						
1. Shipments and other revenue	76,490	87,513	5,105	4,559	81,595	92,072
Inventories—Goods of own manufacture:						
Add closing—Goods in process	4,775	4,514	...	...	4,775	4,514
Finished goods	6,742	9,231	...	...	6,742	9,231
Less opening—Goods in process	3,631	4,896	...	...	3,631	4,896
Finished goods	5,409	7,053	...	...	5,409	7,053
2. Net inventory change	2,477	1,796	...	...	2,477	1,796
3. Gross output (1 + 2)	78,967	89,308	5,105	4,559	84,072	93,867
Input						
4. Purchases of goods not of own manufacture .....	...	...	4,310	3,727	4,310	3,727
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	636	925	636	925
Less closing .....	...	...	952	1,162	952	1,162
5. Cost of goods sold (not of own manufacture) .....	...	...	3,994	3,490	3,994	3,490
6. Materials, supplies, components and semi-processed goods	38,406	43,078	449	584	38,855	43,662
7. Fuel and electricity	539	566	...	...	539	566
8. Gross input (5 + 6 + 7)	38,945	43,644	4,443	4,074	43,388	47,718
Census value added (3-8)	40,022	45,665	662	485	40,684	46,150

TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages					
	Production and related workers				Administrative and office		Sales and distribution		Total employees		Production and related workers		Administrative and office	Sales and distribution	Total salaries and wages	
	Manufacturing		Other													
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufacturing	Other				
number										\$'000						
1962																
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
New Brunswick	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Quebec	279	89	5	—	45	26	18	—	347	115	1,405	36	265	100	1,805	
Ontario	1,417	1,162	19	—	470	324	255	45	2,161	1,531	9,150	49	4,162	1,603	14,965	
Manitoba	60	—	—	—	11	6	12	—	83	6	302	—	115	63	480	
Saskatchewan																
Alberta																
British Columbia																
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Totals	1,756	1,251	24	—	526	356	285	45	2,591	1,652	10,857	85	4,542	1,766	17,250	
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	

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

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January	1,708	1,086	1,789	1,276
February	1,734	1,104	1,810	1,321
March	1,723	1,106	1,836	1,294
April	1,696	1,143	1,835	1,277
May	1,686	1,159	1,832	1,308
June	1,716	1,159	1,843	1,313
July	1,731	1,177	1,778	1,305
August	1,760	1,253	1,877	1,445
September	1,790	1,435	1,914	1,522
October	1,853	1,502	1,980	1,703
November	1,863	1,480	1,974	1,695
December	1,810	1,370	1,874	1,445
Average for establishments reporting monthly detail (collected only for large establishments)	1,756	1,251	1,865	1,410
Average for small establishments (only annual averages collected) .....	...	...	58	38
Average for all establishments	1,756	1,251	1,923	1,448

TABLE 4. Industry Inventories, 1963

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—
Quebec	887	289	295	1,471	—	1,471
Ontario	7,471	4,572	6,695	18,738	925	19,663
Manitoba	133	35	63	231	—	231
Saskatchewan						
Alberta						
British Columbia						
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	8,491	4,896	7,053	20,440	925	21,365
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—
Quebec	986	206	732	1,923	—	1,923
Ontario	8,138	4,269	8,416	20,823	1,162	21,985
Manitoba	127	38	83	249	—	249
Saskatchewan						
Alberta						
British Columbia						
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	9,251	4,514	9,231	22,995	1,162	24,158

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

Description		1962		1963	
		Quantity	Cost	Quantity	Cost
			\$'000		\$'000
1. Large establishments which reported commodity detail:					
Bituminous coal:					
(a) From Canadian mines	ton	—	—	789	10
(b) Imported	"	2,003	26	100	2
Sub-bituminous coal (from Alberta mines only)	"	—	—	—	—
Anthracite coal	"	—	—	—	—
Lignite coal	"	—	—	—	—
Coke	"	—	—	—	—
Gasoline (including gasoline used in cars and trucks) ..	Imp. gal.	62,751	25	50,146	21
Fuel oil including kerosene or coal oil	"	1,046,949	107	1,011,749	98
Wood	cord	—	—	—	—
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	352	—	25,920	5
(b) Other manufactured gas	M cu. ft.	—	—	—	—
(c) Natural gas	"	92,041	83	107,192	103
Other fuel .....		...	8	...	2
Electricity purchased	kwh.	28,833,180	253	30,267,456	284
Steam purchased .....		...	4	...	6
2. Estimate for small establishments:					
Fuel and electricity .....		...	33	...	36
3. All establishments:					
Total fuel and electricity used .....		...	539	...	566

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

Description	1962		1963	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Aluminum:				
Castings	lb. 2,131,402	999	1,874,269	1,151
Wire rods	" 4,433	3	6,559	4
Sheet and strip	" 643,729	294	585,846	309
Other	" ...	398	...	534
Brass and bronze:				
Castings	lb. 80,093	90	116,564	137
Wire rods	" 27,925	12	28,225	14
Sheet and strip	" 493,222	256	274,829	189
Other	" ...	157	...	206
Carbon brushes	" ...	81	...	81
Copper:				
Wire rods	lb. 58,458	31	144,504	74
Sheets and strip	" 212,900	116	250,297	158
Tubing and pipe	" 295,037	213	300,137	199
Wire, enamelled	" 536,079	385	559,358	386
Wire, other insulated	" ...	367	...	446
Other	" ...	234	...	337
Cotton and linen, all forms, i.e., sheets, tapes, etc.	" ...	37	...	24
Insulating varnishes, japans, enamels and lacquers	" ...	16	...	18
Insulators, porcelain and glass, 600 volts and over	" ...	5	...	7
Iron and steel (except alloy):				
Castings (rough and semi-finished received from foundry):				
Iron, gray and malleable	ton 243	101	305	106
Steel	" 274	69	1,091	223
Steel bars and rods	" 1,718	295	214	67
Steel sheets and strip:				
Plain	" 6,039	1,136	6,973	1,328
Galvanized	" 1,492	311	709	149
Steel wire	" 54	14	64	14
Other (except alloy)	" ...	416	...	526
Alloy steel, in all forms:				
Stainless	" ...	313	...	415
Silicon sheets and strips	ton 840 ¹	269	861	260
Other alloy, including tool steel, all forms	" ...	753	...	843
Lead	lb. 2,500	1	2,500	1
Mica (unfabricated forms only)	" 120,000	108	54,770	46
Motors, electric:				
Under 1 hp.	No. 257,213	585	391,581	1,317
1 hp. and over A.C. or D.C.	" 6,200	64	2,571	18
Paints, stains, lacquers, etc. (for finishing only)	" ...	192	...	206
Resins synthetic (moulding powders, sheets, etc.):				
Vinyl type (PVC, etc.)	" ...	23	...	47
Polyethylene type (polythene, etc.)	" ...	74	...	111
Other (bakelite, etc.)	" ...	219	...	312
Resistance wire, ribbon and strip	lb. 86,083	483	109,265	597
Sulphuric acid, 100%	" 40,076	2	43,200	2
All other materials and components used ¹	" ...	26,554	...	29,233
2. Containers and other packaging materials and supplies used	" ...	1,362	...	1,563
3. Operating, maintenance and repair supplies used (excluding fuel)	" ...	1,044	...	1,134
4. Amount paid out to others for work done on materials owned by establishments	" ...	324	...	284
Totals	" ...	38,406	" ...	43,078

¹No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,284,000 in 1962 and \$982,400 in 1963.

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

Description	1962		1963	
	Quantity	Value	Quantity	Value
	No.	\$'000	No.	\$'000
1. Products:				
Air space heaters, electric:				
Fan forced type, portable	97,103	1,130	108,450	1,381
Other type	57,414	1,616	18,008	306
Bed coverings, electric (blankets, sheets, etc.)	147,993	1,358	141,911	1,484
Coffee makers, electric:				
Domestic, automatic	108,130	1,440	120,302	1,595
Domestic, non-automatic	42,613	142	15,444	53
Fans, electric (except industrial type):				
Wall bracket, table, counter and desk	54,095	403	78,658	556
Exhaust and ventilating	22,718	431	72,031	793
Other fans (except industrial) .....	...	709	...	1,046
Flat irons, electric:				
Domestic, steam	418,712	4,140	491,580	3,964
Dry, automatic	51,639	322	44,123	296
Other irons, electric .....	...	47	...	19
Floor polishers, electric (household type)	169,100	4,766	203,754	5,004
Frying pans, electric, domestic	229,537	2,477	230,375	2,564
Heating pads (including footwarmers)	152,467	447	181,112	694
Kettles, electric, domestic	356,657	2,208	333,554	2,090
Electric cooking stoves or ranges over 35 amps, etc.	4,089	364	3,113	220
Electric cooking plates or grills including stoves for glass coffee makers	117,219	558	38,804	316
Other stoves and ranges .....	...	799	...	620
Toasters, electric:				
Domestic, sandwich	42,502	181	36,993	170
Domestic, automatic	293,742	3,030	382,592	3,755
Domestic, non-automatic	51,838	91	45,752	85
Vacuum cleaners:				
Electric, domestic, upright floor models	33,048	1,603	56,943	2,346
Electric, domestic cylinder, or other straight suction type	149,873	8,152	167,687	8,867
Electric, domestic, hand models and attachments for all types	2,204	305	3,066	315
Waffle irons, electric, domestic	50,512	452	49,829	501
Water tank heaters, domestic, all types	350,846	6,288	365,134	6,636
Other appliances, parts and attachments .....	...	15,960	...	24,076
Heating elements:				
For electric stoves, etc. ....	...	4,923	...	5,051
For other electrical appliances .....	...	641	...	654
All other products .....	...	11,698	...	12,150
2. Amount received in payment for work done on materials and products owned by others ..	...	132	...	113
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(323)	...	(207)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
Total adjusted value of shipments and work done .....	...	76,490	...	87,513

TABLE 8. 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, 1954 - 63

Year	Floor models		Cylinder models		Hand models ¹		Attachments and parts		Total	
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000		\$'000		\$'000
1954	22,801	1,523	88,381	4,752	5,435	119	—	967	—	7,363
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	126,252	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

B. Flat Irons, 1954 - 63

Year	Steam		Automatic		Non-automatic		Total ²	
	Number	Value	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000		\$'000
1954	234,624	2,509	207,620	1,410	54,724	168	496,968	4,088
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	3,360
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

C. Electric Toasters, 1954 - 63

Year	Domestic, automatic		Domestic, non-automatic		Domestic, sandwich ¹		Other ⁴		Total	
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000		\$'000		\$'000
1954	159,878	2,259	110,455	301	38,623	183	275	12	309,231	2,756
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 ²
1961	188,923	2,142	53,851	108	40,757	171	..	..	283,531	2,422 ²
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

See footnotes at end of table.

TABLE 8. Shipments of Selected Goods of Own Manufacture — All Industries, — Concluded
D. Domestic Water-tank Heaters, 1962 and 1963

Type	1962		1963	
	Number	Value \$'000	Number	Value \$'000
Cast iron, for coal, wood or oil (120 gallons or less).....	2,075	306	1,436	314
Gas, automatic	122,781	7,574	132,450	8,696
Electric, circulating type	3,489	29	1,726	19
Electric, immersion type	260,224	622	285,851	751
Clamp-on type	4,948	25	4,945	27
Electric, automatic storage tank type, including tank and controls.....	174,140	10,356	175,012	10,642
Totals	567,657	18,912	601,420	20,449

E. Miscellaneous Small Electric Appliances, 1962 and 1963

Item	1962		1963	
	Number	Value \$'000	Number	Value \$'000
Heating pads	162,963	474	181,112	694
Floor polishers	170,799	4,828	203,754	5,004
Coffee makers, domestic	162,629	1,705	143,746	1,733
Kettles	424,566	2,590	396,823	2,443
Fry pans	237,537	2,577	230,375	2,564
Fans:				
Portable	78,239	655	105,138	927
All other ⁶ .....	...	2,559	...	1,850
Food mixers, juicers and blenders, electric, domestic	191,959	2,706	217,299	3,111
Hair dryers, electric, domestic	602,040	7,545	656,248	8,899
Bed coverings, electric (blankets, sheets, etc.)	147,993	1,358	141,911	1,484
Can openers, electric	36,866	442	57,248	755
Razors (dry shavers), electric	333,815	4,236	367,739	4,904

¹ Hand models included with attachments and parts from 1955 on.

² Excluding travel irons.

³ Does not include waffle iron sandwich toaster combination.

⁴ Includes commercial type.

⁵ Excludes "Other".

⁶ Includes range hoods since 1962.

List of Establishments classified to This Industry, 1963

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

Name	Location
Quebec:	
Canadian Armature Works Inc.	6595 St. Urbain St., Montréal
Danby Appliance Corp., The	5770 Ferrier St., Town of Mount Royal
Electro-Steam Mfg. Co. Ltd.	154 Fairmont Ave. W., Montréal
Electrolux (Canada) Ltd.	201 Laurier Ave. E., Montréal
Giant Electric Mfg. Co. Ltd.	40 Hurtubise Blvd., Montréal
G.P. Gas Appliances Co.	420 Majeau, Montréal North
Home Steel Products Ltd.	815 Tecumseh St., Pointe-Claire

List of Establishments classified to This Industry, 1963 - Concluded

Name	Location
Ontario:	
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
Chandler Electric Co. Ltd.	3160 Dundas St. W., Toronto
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
Elgee Products Ltd.	382 Enford Rd., Richmond Hill
Emerson-Pryne of Canada Ltd.	Markham
Endress, George W., Co. Ltd.	268 Grand River Ave., Brantford
Filtro 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 Rebound Controllers Ltd.	361 Jackson St. W., Hamilton
Lamb Industries of Canada Ltd.	6161 Tecumseh Rd., Windsor
Lanark Mills Ltd.	Smiths Falls
Landers, Frary and Clark (Canada) Ltd.	1415 Weston Rd., Toronto
Leader Fan Co. Ltd.	1228 Dupont St., Toronto
Markel Electric Products Ltd.	Fort Erie
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.	212 Norsman St., Toronto
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
Thermax Division of Moffats Ltd.	75 West St. South, Orillia
Triad Equipment Ltd.	Downsview
Manitoba:	
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
British Columbia:	
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 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

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

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

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

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

Establishment

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

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

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

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

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

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

Head Offices and Auxiliary Units

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

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

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

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

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

Employees

(a) Production and related workers – Manufacturing activity

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

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

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

(c) Administrative and office employees

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

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

(d) Sales and distribution workers

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

(e) Total Employees

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

Working Owners or Partners

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

Salaries and Wages

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

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

Fuel and Electricity

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

Materials and Supplies

(a) Manufacturing activities

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

(b) Non-manufacturing activities

1. Purchases for re-sale as such

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

2. Other materials and supplies used

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

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

Shipments

(a) General

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

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

(b) Shipments of goods of own manufacture

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

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

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

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

(c) Shipments of goods not of own manufacture

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

(d) Other revenue

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

Inventories

(a) Manufacturing activities

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



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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 materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

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

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

(c) By Total activities

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