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MANUFACTURERS OF SMALL ELECTRICAL APPLIANCES 1965

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 1965 indicates that the value of shipments of products of own manufacture increased by 7.4 per cent, the cost of materials used increased by 8.3 per cent, the value of production increased by 8.4 per cent and value added increased by 8.6 per cent. During the same period the total cost of materials used was 45 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 82 per cent of their total shipments. Some of the other products shipped were commercial cooking equipment, cooking utensils, industrial heating equipment, base-board heating and heating elements.

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, 1961-65

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		Employees		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													
Totals	57	3,007	6,233	10,857	539	38,406	76,490	40,022	5	17	4,243	17,250	40,684
1963													
Totals	56	3,371	7,010	12,321	566	43,078	87,513	45,665	5	17	4,572	19,083	46,150
1964													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	59	3,478	7,109	13,208	616	47,259	97,260	50,330	6	15	4,755	20,861	51,856
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	9	411	842	1,478	92	4,081	11,336	7,218	x	x	507	2,088	7,427
Ontario	47	3,308	6,594	12,682	536	46,249	91,428	46,905	3	11	4,593	20,459	48,091
Manitoba	4	50	93	265	27	814	1,381	550	x	x	73	438	547
Saskatchewan	-												
Alberta	-												
British Columbia	1												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	61	3,769	7,530	14,425	655	51,143	104,145	54,673	6	24	5,173	22,984	56,065

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

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
1964													
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	1	5	34	119	217
100,000 " 199,999	3	14	28	34	7	214	421	203	—	—	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 .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	59	3,478	7,109	13,208	616	47,259	97,260	50,330	6	15	4,755	20,861	51,856
1965													
Under \$10,000	5	2	4	7	1	27	68	39	3	10	4	17	39
\$ 10,000 to \$ 24,999													
25,000 " 49,999	6	11	21	41	3	82	203	115	2	10	18	64	115
50,000 " 99,999	8	20	40	77	8	241	528	277	1	4	32	138	285
100,000 " 199,999	6	75	150	220	21	782	1,497	723	—	—	105	358	755
200,000 " 499,999													
500,000 " 999,999	12	300	632	965	57	4,631	8,899	3,849	—	—	426	1,710	3,849
1,000,000 " 4,999,999	19	1,715	3,433	5,621	244	23,027	39,324	16,192	—	—	2,240	8,782	17,262
5,000,000 and over	5	1,646	3,249	7,495	322	22,353	53,626	33,478	—	—	2,348	11,916	33,760
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	61	3,769	7,530	14,425	655	51,143	104,145	54,673	6	24	5,173	22,984	56,065

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

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
1964													
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													
100,000 " 199,999	8	164	324	467	39	1,986	3,162	1,202	—	—	208	679	1,190
200,000 " 499,999	10	384	789	1,188	80	6,628	9,834	3,439	—	—	504	1,853	3,433
500,000 " 999,999	9	622	1,252	2,056	106	7,981	14,794	6,563	—	—	874	3,385	6,993
1,000,000 " 4,999,999	12	2,264	4,657	9,355	377	30,093	68,356	38,597	—	—	3,099	14,691	39,701
5,000,000 and over													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	59	3,478	7,109	13,208	616	47,259	97,260	50,330	6	15	4,755	20,861	51,856
1965													
Under \$10,000	3	—	—	—	—	11	26	15	3	10	—	—	15
\$ 10,000 to \$ 24,999	9	15	29	48	5	135	309	159	1	4	26	95	167
25,000 " 49,999	9	21	42	90	8	427	813	386	2	10	38	173	405
50,000 " 99,999													
100,000 " 199,999	7	135	266	416	37	1,766	3,098	1,044	—	—	174	625	1,041
200,000 " 499,999	12	459	936	1,354	85	7,119	11,495	4,323	—	—	610	2,202	4,478
500,000 " 999,999	10	593	1,179	1,968	104	9,658	17,082	7,293	—	—	858	3,459	7,972
1,000,000 " 4,999,999	7	1,177	2,335	4,263	126	14,105	26,165	12,683	—	—	1,512	6,550	12,954
5,000,000 and over	4	1,369	2,743	6,285	289	17,921	45,157	28,770	—	—	1,955	9,880	29,033
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	61	3,769	7,530	14,425	655	51,143	104,145	54,673	6	24	5,173	22,984	56,065

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

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	
1964													
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	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 .....		...	...	...	...	...	...	...	...	...	...	...	...
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	59	3,478	7,109	13,208	616	47,259	97,260	50,330	6	15	4,755	20,861	51,856
1965													
Under \$10,000	3	—	—	—	—	11	26	15	3	10	—	—	15
\$ 10,000 to \$ 24,999	8	14	27	45	4	104	254	138	1	4	23	78	138
25,000 " 49,999	10	22	44	93	9	459	868	407	2	10	41	190	434
50,000 " 99,999		7	135	266	37	1,766	3,098	1,044	—	—	174	625	1,041
100,000 " 199,999	11	380	790	1,157	74	6,058	9,962	3,836	—	—	507	1,889	3,844
200,000 " 499,999	10	631	1,241	2,040	110	9,378	16,386	6,914	—	—	850	3,356	7,163
500,000 " 999,999	8	1,218	2,419	4,389	132	15,446	26,394	13,549	—	—	1,623	6,966	14,397
1,000,000 " 4,999,999	4	1,369	2,743	6,285	289	17,921	45,157	28,770	—	—	1,955	9,880	29,033
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	61	3,769	7,530	14,425	655	51,143	104,145	54,673	6	24	5,173	22,984	56,065

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

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	
1964													
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	5,776
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 .....		...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	59	3,478	7,109	13,208	616	47,259	97,260	50,330	6	15	4,755	20,861	51,856
1965													
Under 5 employed	16	21	41	74	8	422	792	361	6	24	37	152	388
5 - 14 employed	5	15	30	64	6	152	356	199	—	—	27	117	199
15 - 49 "	17	372	778	1,213	80	6,028	11,427	5,002	—	—	525	2,111	5,013
50 - 99 "	8	463	881	1,472	102	7,740	13,415	5,383	—	—	633	2,672	5,485
100-199 "	6	527	1,041	1,668	73	6,841	11,001	4,418	—	—	720	2,620	5,134
200-499 "	9	2,371	4,758	9,934	386	29,960	67,153	39,309	—	—	3,231	15,314	39,845
500 employed and over .....		...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	61	3,769	7,530	14,425	655	51,143	104,145	54,673	6	24	5,173	22,984	56,065

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
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 .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	59	3,478	7,109	13,208	616	47,259	97,260	50,330	6	15	4,755	20,861	51,856
1965													
Individual ownerships	6	5	10	19	1	68	153	86	6	24	6	22	86
Partnerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies	55	3,764	7,520	14,406	654	51,075	103,991	54,587	...	...	5,167	22,962	55,979
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	61	3,769	7,530	14,425	655	51,143	104,145	54,673	6	24	5,173	22,984	56,065

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
	\$'000					
Output						
1. Shipments and other revenue	97,260	104,145	5,728	6,464	102,987	110,608
Inventories—Goods of own manufacture:						
Add closing—Goods in process	5,696	6,657	...	...	5,696	6,657
Finished goods	10,578	11,907	...	...	10,578	11,907
Deduct opening—Goods in process	4,422	5,560	...	...	4,422	5,560
Finished goods	10,906	10,678	...	...	10,906	10,678
2. Net inventory change	948	2,326	...	...	946	2,326
3. Gross output (1 + 2)	98,206	106,471	5,728	6,464	103,933	112,934
Input						
4. Purchases of goods not of own manufacture .....	...	...	3,698	4,708	3,698	4,708
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	1,499	1,472	1,499	1,472
Deduct closing .....	...	...	1,377	1,519	1,377	1,519
5. Cost of goods sold (not of own manufacture) .....	...	...	3,820	4,661	3,820	4,661
6. Materials, supplies, etc.	47,259	51,143	382	411	47,641	51,554
7. Fuel and electricity	616	655	...	...	616	655
8. Gross input (5 + 6 + 7)	47,875	51,798	4,202	5,072	52,077	56,870
Value added (3 - 8)	50,330	54,673	1,526	1,392	51,856	56,065

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female						Manufac- turing	Other
	number										\$'000				
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 Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	1,962	1,516	2	-	582	305	343	46	2,888	1,867	13,208	5	5,232	2,417	20,861
1965															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	305	106	-	4	42	33	17	-	364	143	1,478	17	449	144	2,088
Ontario	1,728	1,580	-	-	562	341	327	55	2,617	1,976	12,682	-	5,228	2,551	20,459
Manitoba	49	1	-	-	9	3	11	-	69	4	265	-	99	73	438
Saskatchewan															
Alberta															
British Columbia															
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,082	1,687	-	4	613	377	355	55	3,050	2,123	14,425	17	5,774	2,768	22,984

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	1,878	1,321	1,944	1,415
February	1,882	1,272	1,952	1,414
March	1,873	1,272	1,960	1,518
April	1,860	1,313	1,966	1,504
May	1,861	1,302	1,967	1,526
June	1,871	1,406	2,026	1,604
July	1,828	1,359	1,947	1,594
August	1,925	1,560	2,006	1,740
September	1,911	1,692	2,023	1,916
October	1,927	1,778	2,155	1,955
November	1,949	1,817	2,173	1,969
December	1,905	1,581	2,118	1,636
Averages	1,889	1,476	2,021	1,651
Establishments reporting annual averages (small establishments only)	73	40	61	36
Average for all establishments	1,962	1,516	2,082	1,687

TABLE 10. Inventories, 1965

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	945	305	523	1,773	92	1,865
Ontario	6,674	5,193	10,070	21,937	1,380	23,317
Manitoba	241	63	85	389	—	389
Saskatchewan						
Alberta						
British Columbia						
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	7,860	5,560	10,678	24,099	1,472	25,570
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—
Quebec	1,564	331	552	2,446	54	2,500
Ontario	7,412	6,284	11,240	24,936	1,465	26,401
Manitoba	135	41	116	292	—	292
Saskatchewan						
Alberta						
British Columbia						
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	9,110	6,657	11,907	27,674	1,519	29,193

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	—	—	—
(b) Imported	513	8	—	—
Sub-bituminous coal (from Alberta mines only)	—	—	—	—
Anthracite coal	—	—	48	1
Lignite coal	—	—	—	—
Coke	—	—	—	—
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 74,934	31	59,266	25
Fuel oil including kerosene or coal oil	1,091,473	108	1,162,847	121
Wood	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases	Imp. gal. 24,532	6	46,255	10
(b) Other manufactured gas	M cu. ft. —	—	—	—
(c) Natural gas	116,998	113	148,628	127
Other fuel .....	...	1	...	9
Electricity purchased	kwh. 32,473,654	304	34,795,478	325
Steam purchased .....	...	8	...	8
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	37	...	48
3. All establishments:				
Total fuel and electricity used .....	...	616	...	655

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Aluminum:				
Castings	lb.	2,518,034	2,468,475	1,734
Wire rods	"	6,845	5,965	4
Sheets and strip	"	668,408	906,275	481
Other .....	"	...	...	711
Brass and bronze:				
Castings	lb.	141,222	150,426	156
Wire rods	"	26,460	28,808	15
Sheets and strip	"	461,374	507,308	325
Other .....	"	...	...	166
Carbon brushes	"	88	...	117
Copper:				
Wire rods	lb.	144,545	145,052	86
Sheets and strip	"	289,374	183,652	133
Tubing and pipe	"	358,866	472,896	369
Wire, enamelled	"	446,017	708,203	561
Wire, other insulated .....	"	...	...	678
Other	"	298	...	396
Cotton and linen, all forms, i.e., sheets, tapes, etc.	"	20	...	20
Insulating varnishes, japans, enamels and lacquers	"	17	...	29
Insulators, porcelain and glass, 600 volts and over	"	9	...	90
Iron and steel (except alloy):				
Castings (rough and semi-finished received from foundry):				
Iron, gray and malleable	ton	577	342	121
Steel	"	230	1,039	260
Steel bars and rods	"	177	336	96
Steel sheets and strip:				
Plain	"	6,958	9,368	1,756
Galvanized	"	981	1,092	224
Steel wire	"	69 ^r	1,333	312
Other (except alloy)	"	930	...	785
Alloy steel, in all forms:				
Stainless	"	448	...	317
Silicon sheets and strips	ton	701	1,097	345
Other alloy, including tool steel, all forms	"	905	...	1,070
Lead	lb.	2,500	5,250	2
Mica (unfabricated forms only)	"	32,673	62,985	70
Motors, electric:				
Under 1hp.	No.	592,090	484,804	1,395
1 hp. and over A.C. or D.C.	"	17,595	40	2
Paints, stains, lacquers, etc. (for finishing only)	"	191	...	214
Resins synthetic (moulding powders, sheets, etc.):				
Vinyl type (PVC, etc.)	"	35	...	80
Polyethylene type (polythene, etc.)	"	155	...	246
Other (bakelite, etc.)	"	526	...	130
Resistance wire, ribbon and strip	lb.	119,639	138,986	619
Sulphuric acid, 100%	"	21,520	24,200	1
All other materials and components used ¹	"	31,599	...	33,609
2. Containers and other packaging materials and supplies used	"	1,672	...	1,861
3. Operating, maintenance and repair supplies used (excluding fuel)	"	1,203	...	1,336
4. Amount paid out to others for work done on materials owned by establishments	"	328	...	221
Totals	"	47,259	...	51,143

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,083,077 in 1964 and \$895,830 in 1965.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
	No. ¹	\$'000	No.	\$'000
1. Products:				
Air space heaters, electric:				
Fan forced type, portable	100,562	1,370	127,422	1,590
Other type	37,911	482	30,801	287
Bed coverings, electric (blankets, sheets, etc.)	179,611	1,880	219,859	2,212
Coffee makers, electric:				
Domestic, automatic	119,990	1,563	130,383	1,631
Domestic, non-automatic	1	1	1	1
Fans, electric (except industrial type):				
Wall bracket, table, counter and desk	90,141	651	92,957	795
Exhaust and ventilating	83,667	886	130,230	1,019
Other fans (except industrial) .....	...	1,213	1	1
Flat irons, electric:				
Domestic, steam	588,549 ¹	5,257	645,479	5,940
Dry, automatic	47,101	288	52,394	495
Other irons, electric	1	1	1	1
Floor polishers, electric (household type)	191,948	5,219	193,504	5,109
Frying pans, electric, domestic	265,154	2,890	291,691	3,243
Heating pads (including footwarmers)	180,669	544	1	1
Kettles, electric, domestic	356,877	2,363	427,922	2,653
Electric cooking stoves or ranges over 35 amps, etc.	2,494	199	3,810	254
Electric cooking plates or grills including stoves for glass coffee makers	64,597	356	102,816	525
Other stoves and ranges .....	...	586	...	493
Toasters, electric:				
Domestic, sandwich	48,243	225	50,126	236
Domestic, automatic	515,219	5,192	519,971	4,851
Domestic, non-automatic	53,374	108	53,412	113
Vacuum cleaners:				
Electric, domestic, upright floor models	49,039	2,294	52,834	2,607
Electric, domestic cylinder, or other straight suction type	213,600	9,682	238,526	9,116
Electric, domestic, hand models and attachments for all types	1	1	1	1
Waffle irons, electric, domestic	54,680	473	51,082	484
Water tank heaters, domestic, all types	337,590	6,447	391,703	6,076
Other appliances, parts and attachments .....	...	27,120	...	31,208
Heating elements:				
For electric stoves, etc. ....	...	5,926	...	5,776
For other electrical appliances .....	...	913	...	879
All other products .....	...	13,337	...	17,057
2. Amount received in payment for work done on materials and products owned by others .....	...	63	...	15
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(264)	...	(521)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
Total adjusted value of shipments and work done .....	...	97,260	...	104,145

¹ 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, 1956-65

Year	Floor models		Cylinder		Hand models ¹		Attachments and parts		Total	
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000		\$'000		\$'000
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
1964	62,449	2,823	219,469	9,849	..	..	..	350	..	13,022
1965	68,313	3,201	240,482	9,172	..	..	..	..	..	13,085

B. Flat Irons, 1956-65

Year	Steam		Automatic		Non-automatic		Total ²	
	Number	Value	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000		\$'000
1956	424,084	4,332	141,086	853	46,681	161	611,851	5,346
1957	356,714	3,865	134,789	628	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
1964	588,549	5,257	47,101	288	x	x	635,650	5,545
1965	645,479	5,940	52,394	495	x	x	697,873	6,435

C. Electric Toasters, 1956-65

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
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 ³
1961	188,923	2,142	53,851	108	40,757	171	..	..	283,531	2,422 ³
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
1965	519,971	4,851	53,412	113	50,126	236	..	..	623,509	5,200

See footnotes at end of table.

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries - Concluded
D. Domestic Water-tank Heaters, 1964 and 1965

Type	1964		1965	
	Number	Value	Number	Value
		\$'000		\$'000
Cast iron, for coal, wood or oil (120 gallons or less)	1,449	233	x	x
Gas, automatic	141,085	8,303	135,042	8,026
Electric, circulating type	1,268	26	1,696	60
Electric, immersion type	315,549	867	330,999	730
Clamp-on type	6,335	33	x	x
Electric, automatic storage tank type, including tank and controls	203,476	12,130	218,340	11,082
Totals	669,162	21,592	...	19,951

E. Miscellaneous Small Electric Appliances, 1964 and 1965

Item	1964		1965	
	Number	Value	Number	Value
		\$'000		\$'000
Heating pads	180,669	544	192,974	565
Floor polishers	192,117	5,223	193,504	5,109
Coffee makers, domestic	133,435	1,661	135,728	1,687
Kettles	421,165	2,913	470,230	3,007
Fry pans	265,154	2,890	291,691	3,243
Fans:				
Exhaust and ventilating			137,631	1,176
Portable	124,623	1,213	109,726	1,013
All other .....	...	2,033	...	1,296
Food mixers, juicers and blenders, electric, domestic	289,884	3,645	283,562	3,495
Hair dryers, electric, domestic	458,760	5,814	380,338	4,573
Bed coverings, electric (blankets, sheets, etc.)	179,611	1,880	219,859	2,212
Can openers, electric	93,799	1,090	117,106	1,218
Razors (dry shavers), electric	344,020	4,638	369,740	4,994
Knives, electric .....	..	..	126,833	1,934
Tooth brushes, electric .....	..	..	60,745	625

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".

List of Establishments classified to this Industry, 1965

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

Name	Location
Quebec:	
Bardox, G., Electro technical Co.	6322 St. Lawrence Blvd., Montreal
Canadian Armature Works Inc.	6595 St. Urbain St., Montreal
Canadian White Star Products Ltd.	1240 Laurentian Blvd., 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 - 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
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
Filtro Electric Ltd.	Orangeville
F'nlux Sauna	Richmond Hill
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
Industrial Machine Service Co.	2 Crystal Art Sq., Toronto
Knight Industries (1964) Ltd.	361 Jackson St. W., Hamilton
Lamb Industries of Canada Ltd. (White Products Div.)	150 Chatham St., Hamilton
Lanark Mills Ltd.	Smiths Falls
Landers, Frary and Clard (Canada) Ltd.	1415 Weston Rd., Toronto
Leader Fan Co. Ltd.	1228 Dupont St., Toronto
Markel Electric Products Ltd.	Fort Erie
Moffatts Ltd. (Orillia Div.)	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.	2 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. S., Toronto
Superior Electrics Ltd.	Pembroke
Swenson & Sons Ltd. (Rilling-Wahl & Wahl Div.)	80 Orfus Rd., Toronto
Switson Industries Ltd.	201 Major St., Welland
Triad Equipment Ltd.	Downsview
Zera Industries Ltd.	223 Melrose St., Toronto 18
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 55 (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 135 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 reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. 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".