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MANUFACTURERS OF MAJOR APPLIANCES (ELECTRIC AND NON-ELECTRIC)

1964

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MANUFACTURERS OF MAJOR APPLIANCES (ELECTRIC AND NON-ELECTRIC)

1964

For statistical purposes the industry titled Manufacturers of Major Appliances (Electric and Non-electric) in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing household type appliances and machines such as stoves; refrigerators, home and farm freezers; window type air conditioning units; laundry equipment and sewing machines. Establishments primarily engaged in manufacturing small household electric appliances are classified in Industry No. 331 — Manufacturers of Small Electrical Appliances.

It should be noted that while there is no change in the total number of firms included in this report there are three new firms included for the first time in 1964. The total value of shipments increased by 12.7 per cent, the value of materials used increased by 15.6 per cent and the value of production increased by 13 per cent. The ratio of materials used to "Production" was 54.6 per cent in 1963 and 55.6 per cent in 1964. The ratio of "Value added to production" was 44 per cent in 1963 and 43 per cent in 1964.

The total value of major appliances manufactured and shipped by firms classified to the industry represented 81 per cent of their total value of shipments. Some other products manufactured and shipped were warm air furnaces, pumps and pump parts, lawn mowers, car radios, refrigeration and air conditioning equipment, sanitaryware, mobile homes, automotive tools, barn equipment and camping equipment.

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. Principal Statistics, 1961-64

Year and province	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	43	8,022	16,295	31,583	2,690	109,910	206,212	92,496	-	-	11,610	49,841	93,988
1962													
Totals	38	8,084	16,933	33,091	2,602	115,557	215,338	100,505	-	-	11,318	50,632	104,402
1963													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia.....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	3	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	11	2,107	4,505	8,068	711	31,259	50,849	21,877	-	-	2,863	11,960	22,383
Ontario	24	5,935	12,316	26,711	2,112	98,316	181,828	81,482	-	-	8,532	40,997	85,164
Manitoba.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	1	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	39	8,503	17,713	36,272	2,977	132,359	239,272	107,114	-	-	12,038	55,070	111,324
1964													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	3	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	11	2,292	4,878	9,496	792	35,475	58,862	24,543	-	-	3,120	14,060	24,291
Ontario	24	6,468	13,575	30,035	2,190	114,317	203,727	90,286	x	x	9,131	44,769	94,520
Manitoba.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	1	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	39	9,233	19,340	41,109	3,134	153,077	269,620	118,672	x	x	12,934	61,269	122,712

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1963													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999	6	44	88	160	10	245	529	340	—	—	59	232	396
100,000 " 199,999		—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999	3	63	126	208	8	459	1,043	567	—	—	81	308	691
500,000 " 999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
1,000,000 " 4,999,999	17	2,676	5,614	10,078	764	31,323	56,312	24,451	—	—	3,623	14,589	24,716
5,000,000 and over	13	5,720	11,885	25,826	2,196	100,332	181,389	81,757	—	—	8,275	39,942	85,521
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	39	8,503	17,713	36,272	2,977	132,359	239,272	107,114	—	—	12,038	55,070	111,324
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	3	4	8	15	1	56	116	58	x	x	x	40	81
50,000 " 99,999	6	81	166	279	22	535	1,219	692	—	—	105	403	754
100,000 " 199,999		—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999	—	—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999	16	2,328	4,803	8,704	742	28,580	50,661	21,461	—	—	3,169	12,830	21,881
1,000,000 " 4,999,999	14	6,820	14,363	32,112	2,369	123,907	217,626	96,461	—	—	9,607	47,681	99,996
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	45	315	...
Totals	39	9,233	19,340	41,109	3,134	153,077	269,620	118,672	x	x	12,934	61,269	122,712

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1963													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	3	13	26	51	2	75	156	67	—	—	17	69	97
25,000 " 49,999	5	87	174	297	13	427	962	585	—	—	107	388	609
50,000 " 99,999		—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999	5	357	750	1,148	84	4,608	7,614	2,973	—	—	444	1,531	3,055
200,000 " 499,999	19	4,323	9,183	17,292	1,288	55,077	100,979	45,661	—	—	5,963	25,445	46,706
500,000 " 999,999	7	3,723	7,581	17,484	1,589	72,173	129,562	57,828	—	—	5,507	27,638	60,856
1,000,000 " 4,999,999	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	39	8,503	17,713	36,272	2,977	132,359	239,272	107,114	—	—	12,038	55,070	111,324
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	3	4	8	15	1	56	116	58	x	x	8	40	81
25,000 " 49,999	4	34	67	125	7	186	404	220	—	—	46	184	241
50,000 " 99,999		—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999	—	—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999	4	241	494	757	69	2,688	3,966	1,364	—	—	289	962	1,574
500,000 " 999,999	3	153	325	616	50	2,673	5,161	2,175	—	—	199	879	2,182
1,000,000 " 4,999,999	16	3,375	7,083	13,242	1,008	45,530	79,172	33,811	—	—	4,692	20,157	34,058
5,000,000 and over	9	5,426	11,362	26,355	1,998	101,943	180,802	81,043	—	—	7,655	38,732	84,576
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	45	315	...
Totals	39	9,233	19,340	41,109	3,134	153,077	269,620	118,672	x	x	12,934	61,269	122,712

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1963													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	3	13	26	51	2	75	156	67	—	—	17	69	98
25,000 " 49,999	5	87	174	297	13	427	962	585	—	—	107	388	609
50,000 " 99,999	5	357	750	1,148	84	4,608	7,614	2,973	—	—	444	1,531	3,055
100,000 " 199,999	18	3,838	8,130	15,030	1,087	47,790	88,425	40,888	—	—	5,374	22,681	41,677
200,000 " 499,999	8	4,208	8,634	19,747	1,791	79,459	142,115	62,602	—	—	6,096	30,402	65,884
500,000 " 999,999 .....	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000,000 " 4,999,999 .....	...	...	...	...	...	...	...	...	...	...	...	...	...
5,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	39	8,503	17,713	36,272	2,977	132,359	239,272	107,114	—	—	12,038	55,070	111,324
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	7	38	76	139	8	242	519	278	x	x	54	224	322
25,000 " 49,999	3	126	271	451	35	1,868	2,782	871	—	—	150	580	930
50,000 " 99,999	4	268	548	923	85	3,494	6,345	2,668	—	—	338	1,261	2,827
100,000 " 199,999	16	3,375	7,083	13,242	1,008	45,530	79,172	33,811	—	—	4,692	20,157	34,058
200,000 " 499,999	9	5,426	11,362	26,355	1,998	101,943	180,802	81,043	—	—	7,655	38,732	84,576
500,000 " 999,999 .....	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000,000 and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	39	9,233	19,340	41,109	3,134	153,077	269,620	118,672	x	x	12,934	61,269	122,712

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1963													
Under 5 employed	4	19	38	74	4	105	222	173	—	—	25	102	204
5- 14 employed	7	185	385	654	46	2,424	4,274	1,903	—	—	241	946	2,050
15- 49 "	5	544	1,138	2,205	108	11,221	19,248	7,953	—	—	798	3,474	7,856
50- 99 "	15	3,537	7,471	13,484	1,011	44,808	80,100	36,006	—	—	4,686	19,126	36,467
100-199 "	8	4,218	8,681	19,855	1,810	73,801	135,429	61,079	—	—	6,288	31,422	64,748
200-499 " .....	...	...	...	...	...	...	...	...	...	...	...	...	...
500 employed and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	39	8,503	17,713	36,272	2,977	132,359	239,272	107,114	—	—	12,038	55,070	111,324
1964													
Under 5 employed	5	18	36	63	4	111	258	142	x	x	24	97	168
5- 14 employed	5	107	222	364	27	1,333	3,730	1,719	—	—	137	516	1,775
15- 49 "	6	465	953	1,634	122	7,012	11,339	4,088	—	—	616	2,381	4,257
50- 99 "	13	2,636	5,928	11,319	851	36,685	54,125	28,026	—	—	3,939	17,046	28,282
100-199 "	10	5,805	12,201	27,729	2,130	107,936	190,170	84,697	—	—	8,173	40,814	88,230
200-499 " .....	...	...	...	...	...	...	...	...	...	...	...	...	...
500 employed and over .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	39	9,233	19,340	41,109	3,134	153,077	269,620	118,672	x	x	12,934	61,269	122,712

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

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	
1963													
Individual ownerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Incorporated companies	39	8,503	17,713	36,272	2,977	132,359	239,272	107,114	...	...	12,038	55,070	111,324
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	39	8,503	17,713	36,272	2,977	132,359	239,272	107,114	—	—	12,038	55,070	111,324
1964													
Individual ownerships	39	9,233	19,340	41,109	3,134	153,077	269,620	118,622	x	x	12,889	60,954	122,712
Partnerships									x	x			
Incorporated companies .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	45	315	...
Totals	39	9,233	19,340	41,109	3,134	153,077	269,620	118,622	x	x	12,934	61,269	122,712

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
\$'000						
Output						
1. Shipments and other revenue	239,272	269,620	21,856	22,708	261,128	292,328
Inventories—Goods of own manufacture:						
Add closing—Goods in process	13,195	14,447	...	...	13,195	14,447
Finished goods	28,927	32,867	...	...	28,927	32,867
Deduct opening—Goods in process	12,060	13,001	...	...	12,060	13,001
Finished goods	26,883	29,050	...	...	26,883	29,050
2. Net inventory change	3,179	5,263	...	...	3,179	5,263
3. Gross output (1 + 2)	242,451	274,883	21,856	22,708	264,307	297,591
Input						
4. Purchases of goods not of own manufacture .....	...	...	15,857	19,234	15,857	19,234
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	5,112	4,200	5,112	4,200
Deduct closing .....	...	...	4,070	5,438	4,070	5,438
5. Cost of goods sold (not of own manufacture) .....	...	...	16,899	17,996	16,899	17,996
6. Materials, supplies, etc.	132,359	153,077	746	672	133,105	153,749
7. Fuel and electricity	2,977	3,134	...	...	2,977	3,134
8. Gross input (5 + 6 + 7)	135,336	156,211	17,645	18,668	152,981	174,879
Value added (3 - 8)	107,114	118,672	4,210	4,040	111,324	122,712

TABLE 8. Employment and Payroll, 1963 and 1964

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admin- istra- tive and office	Sales and distrib- ution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufacturing	Other			
number										\$'000					
1963															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Quebec	1,958	149	1	-	424	141	170	20	2,553	310	8,068	2	2,894	996	11,960
Ontario	5,661	274	11	-	1,328	399	708	151	7,708	824	26,711	53	9,351	4,881	40,997
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	8,077	426	12	-	1,849	604	899	171	10,837	1,201	36,272	55	12,718	6,025	55,070
1964															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Quebec	2,120	172	-	-	468	147	186	27	2,774	346	9,496	-	3,228	1,337	14,060
Ontario	6,095	373	-	-	1,429	440	647	147	8,171	960	30,035	-	10,317	4,417	44,769
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	8,685	548	-	-	1,992	657	875	177	11,552	1,382	41,109	-	14,129	6,031	61,269

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

Month	1963		1964	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	7,661	417	7,967	434
February	7,762	404	8,407	453
March	7,879	425	8,538	463
April	8,062	443	8,526	468
May	8,202	435	8,501	472
June	8,249	417	8,809	489
July	8,061	387	8,780	488
August	8,114	420	8,936	612
September	8,386	448	9,272	681
October	8,396	447	9,077	672
November	8,180	442	8,920	681
December	7,980	434	8,461	633
Averages	8,077	426	8,685	548
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments	8,077	426	8,685	548

TABLE 10. Inventories, 1964

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	x	x	x	x	x	x
Quebec	3,611	5,113	7,164	15,887	1,032	16,919
Ontario	12,445	7,726	20,777	40,948	3,155	44,102
Manitoba	—	—	—	—	—	—
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	x	x	x	x	x	x
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	16,921	13,001	29,050	58,972	4,200	63,172
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	x	x	x	x	x	x
Quebec	3,856	5,572	8,652	18,080	1,312	19,393
Ontario	17,434	8,702	22,866	49,003	4,115	53,118
Manitoba	—	—	—	—	—	—
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	x	x	x	x	x	x
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	22,266	14,447	32,867	69,580	5,438	75,018

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

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
I. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	6,419	1,990	32
(b) Imported	"	16,757	15,123	189
Sub-bituminous coal (from Alberta mines only)	"	—	—	—
Anthracite coal	"	—	—	—
Lignite coal	"	—	—	—
Coke	"	659	697	28
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	295,090	219,986	79
Fuel oil including kerosene or coal oil	"	7,052,361	7,932,942	650
Wood	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	97,275	180,937	51
(b) Other manufactured gas	M cu. ft.	—	—	—
(c) Natural gas	"	275,738	526,802	438
Other fuel .....	...	7	...	4
Electricity purchased	kwh.	169,351,870	161,796,881	1,466
Steam purchased .....	...	166	...	191
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	2	...	7
3. All establishments:				
Total fuel and electricity used .....	...	2,977	...	3,134

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

Description	1963		1964	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Aluminum:				
Castings	lb. 1,104,611	428	959,039	647
Sheets and strip	" 1,100,780	622	1,552,676	691
Other .....	..	276	..	485
Brass and bronze:				
Castings	lb. 94,674	54	68,260	46
Wire rods	" 370,240	135	50,628	206
Sheets and strip	" 373,412	195	401,892	208
Other .....	..	105	..	112
Copper:				
Sheets and strip	lb. 22,829	16	26,196	17
Tubing and pipe	" 829,184	708	739,500	730
Wire, enamelled	" 318,410	204	395,251	256
Wire, other insulated .....	..	620	..	800
Other .....	..	32	..	32
Insulating varnishes, japans, enamels and lacquers .....	..	209	..	176
Iron and steel (except alloy):				
Castings:				
Iron, gray and malleable	ton 4,208	1,545	4,468	1,663
Steel	" 70	35	33	10
Pig iron	" 3,950	290	4,324	313
Steel bars and rods	" 4,500	847	5,866	1,051
Steel sheets and strip:				
Plain	" 92,441	15,722	106,632	17,495
Galvanized	" 4,503	787	5,135	1,019
Steel wire	" 831	224	1,444	290
Structural steel	" 37	7	85	22
Scrap iron and steel	" 3,230	129	3,887	143
Other (except alloy) .....	..	1,990	..	2,250
Alloy steel - In all forms:				
Stainless .....	..	350	..	395
Silicon sheets and strips	ton 26	9	5	1
Other alloy, including tool steel .....	..	101	..	54
Lead	lb. 52,088	20	168,051	41
Mica (unfabricated forms only)	" 255,000	130	240,000	168
Motors electric:				
Under 1 h.p.	No. 460,237	5,750	730,082	7,434
1 h.p. and over A.C. or D.C.	" 306	16	10,503	546
Paints, stains, lacquer for finishing only .....	...	1,426	...	2,026
Resins, synthetic:				
Vinyl type .....	..	158	..	154
Polyethylene type .....	..	504	..	1,335
Other (bakelite, etc.) .....	..	153	..	436
Resistance wire, ribbon and strip	lb. 56,545	130	62,073	143
Sulphuric acid, 100%	" 480,048	13	473,166	12
All other materials and components used ¹ .....	...	89,224	...	100,250
2. Containers and other packaging materials and supplies used .....	...	4,880	...	4,810
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	3,511	...	5,009
4. Amount paid out to others for work done on materials owned by establishments .....	...	804	...	1,600
Totals .....	...	132,359	...	133,077

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$250,000 in 1963 and \$192,745 in 1964.

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

Description	1963		1964	
	Quantity	Value	Quantity	Value
	No.	\$'000	No.	\$'000
1. Products:				
Laundry equipment:				
Dryers, mechanical:				
Electric	129,283	15,251	120,574	13,440
Gas	16,671	2,395	18,132	2,472
Washing machines, domestic:				
Electric:				
Automatic	121,490	22,327	144,748	24,829
Conventional	224,634	17,987	281,736	22,635
Gasoline	1,251	131	1	1
Refrigeration and air-conditioning equipment:				
Freezers, home and farm:				
Upright	12,769	1,714	11,481	1,842
Chest	125,168	20,690	137,449	20,316
Refrigerators, household, electric	285,483	48,977	314,994	52,591
Stoves and ranges:				
Built-in cooking ovens, domestic, electric	21,885	2,741	29,845	3,720
Coal, wood, sawdust burning:				
Cooking	7,148	819	3,852	507
Heating	8,536	395	7,696	406
Solid fuel and gas or oil and gas combination	2,536	635	2,325	574
Solid fuel and electric or oil and electric combination	2,609	703	3,250	758
Gas, cooking, with ovens, domestic	37,601	4,917	40,643	5,537
Gas, heating and space heaters	15,557	931	6,092	460
Electric cooking top mountings	18,893	1,061	19,014	1,155
Electric cooking stoves or ranges:				
Less than 28 inches wide	81,444	8,256	83,221	9,002
28-32 inches wide	161,795	25,132	175,262	26,293
Over 32 inches wide	1,136	381	1,277	355
Fuel oil (distillate):				
Cooking	7,684	1,357	6,954	1,240
Heating and space heaters	38,246	2,203	41,628	2,088
Furnaces, warm air:				
Coal or wood burning	708	109	397	62
Gas burning	17,854	2,397	23,480	3,652
Oil burning	26,230	5,973	32,907	8,222
Amount received for repairs .....	...	6,052	...	5,772
All other products .....	...	44,972	...	61,534
2. Amount received in payment for work done on materials and products owned by others .....	...	1,441	...	1,405
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(675)	...	(1,245)
Net adjustment for establishments receiving progress payments .....	...	...	...	...
Total adjusted value of shipments and work done .....	...	239,272	...	269,620

¹ Confidential, included with "All other products".

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. Stoves Made in Canada, 1963 and 1964

	1963	1964
Coal, wood and sawdust burning cooking stoves and ranges, including ranges with gas or electric extension No. \$'000	7,907 861	5,008 584
Coal, wood and sawdust burning heating stoves and space heaters, including all heaters, circulators, Quebec, box, oak, Franklin globular and laundry No. \$'000	12,970 535	11,942 535
Solid fuel and gas combination or oil and gas combination (not including stoves or ranges with gas extension) No. \$'000	2,536 635	2,325 574
Solid fuel and electric combination or oil and electric combination (not including stoves or ranges with electric extension) No. \$'000	2,609 703	3,250 758
Gas cooking stoves and ranges (not combinations), (including all styles with ovens) No. \$'000	41,176 5,174	45,585 5,879
Gas heating stoves and space heaters No. \$'000	23,355 1,742	16,041 1,192
Cooking ovens, electric, built-in No. \$'000	22,048 2,766	19,162 2,222
Electric cooking top mountings No. \$'000	19,078 1,070	19,202 1,164
Electric cooking stoves or ranges (over 35 amperes), all styles with ovens No. \$'000	247,865 34,068	262,254 35,848
Electric rangettes, including cord attachment and oven as one unit No. \$'000	10,684 394	11,264 450
Electric cooking plates and grills, including stoves for glass coffee-makers No. \$'000	63,421 334	71,539 424
Oil (kerosene) and gasoline cooking stoves and ranges No. \$'000	....	....
Oil (kerosene) and gasoline heating stoves and space heaters No. \$'000	3,265 208	2,712 169
Fuel oil (distillate) cooking stoves and ranges No. \$'000	10,648 1,488	9,237 1,347
Fuel oil (distillate) heating stoves and space heaters No. \$'000	38,246 2,203	41,628 2,088

B. Household Mechanical Refrigerators,¹ 1955-64

Year	Number	Value \$'000	Year	Number	Value \$'000
1955	271,532	49,548	1960	239,436	40,211
1956	269,213	47,443	1961	234,662	39,800
1957	235,539	42,429	1962	247,693	41,444
1958	226,523	39,759	1963	293,236	50,016
1959	256,778	44,548	1964	330,872	55,583

¹ Complete units (electric and gas), all sizes.

C. Home Freezers, 1955-64

Year	Number	Value \$'000	Year	Number	Value \$'000
1955	13,081	3,296	1960	73,606	13,531
1956	12,691	3,176	1961	91,797	15,972
1957	20,908	4,619	1962	127,683	20,545
1958	31,685	6,713	1963	137,937	22,404
1959	60,665	12,103	1964	157,150	23,304

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries - Concluded
D. Domestic Washing Machines, 1955-64

Year	Electric				Gasoline		Total	
	Automatic ²		Conventional		Number	Value	Number	Value
	Number	Value	Number	Value				
		\$'000		\$'000		\$'000		\$'000
1955	36,782	7,136	237,600	22,765	5,420	622	279,802	30,524
1956	49,765	9,292	250,879	23,552	5,278	636	305,922	33,480
1957	52,569	10,313	220,632	20,283	3,546	414	276,747	31,011
1958	60,326	11,983	234,200	21,800	3,686	422	298,212	34,206
1959	76,718	14,668	246,191	21,440	3,974	454	326,883	36,564
1960	75,337	14,768	211,848	18,873	2,581	283	289,766	33,926
1961	84,476	16,265	211,039	18,312	2,107	242	297,622	34,819
1962	94,432	17,782	206,571	18,027	2,254	236	315,857	36,045
1963	121,490	22,327	225,682	18,024	..	..	347,172	40,351
1964	144,748	24,829	234,544	21,518	..	..	379,292	46,347

² Includes automatic washer-dryers.

E. Domestic Electric Ironing Machines, 1955-64

Year	Number	Value	Year	Number	Value
		\$'000			\$'000
1955	3,900	367	1960	1,720	160
1956	4,647	380	1961	1,041	162
1957	2,740	310	1962	1,000	150
1958	1,754	230	1963 .....	..	..
1959	1,115	177	1964 .....	..	..

F. Clothes Dryers, Automatic, 1955-64

Year	Electric		Gas		Total	
	Number	Value	Number	Value	Number	Value
		\$'000		\$'000		\$'000
1955 .....	..	..	..	..	38,027	5,191
1956 .....	..	..	..	..	55,389	7,743
1957 .....	..	..	..	..	65,950	9,191
1958	81,868	10,693	3,237	519	85,105	11,213
1959	105,813	13,589	4,490	776	110,313	14,365
1960	100,486	13,243	10,025	1,754	110,511	14,997
1961	105,632	13,182	11,889	2,116	117,521	15,298
1962	120,235	14,748	11,627	1,820	131,862	16,568
1963	129,283	15,251	16,671	2,395	145,954	17,646
1964	135,228	14,846	18,132	2,472	153,360	17,318

List of Establishments classified to This Industry, 1964

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

Name	Location
New Brunswick:	
Enamel and Heating Products Limited	Sackville
Enterprise Foundry Co. Ltd.	Sackville
Record Stove and Furnace Co. Limited	Box 686, Moncton
Quebec:	
Arrow Products Ltd.	754 Wellington St., Montreal
Belanger, A. Limitée	Montmagny
Canadian General Electric Co. Ltd.	5781 Notre Dame St. E., Montreal
Connor, J.H. and Son	20 Lois St., Hull
Continental Industries Ltd.	St-Jérôme
Hickory Industries of Can. Ltd.	West Shefford
Hupp Canada (1961) Ltd.	L'Assomption
La Fonderie de L'Islet Limitée	L'Islet Station
New Williams Mfg. Co. Ltd., The	2740 Notre Dame E., Montreal
Singer Company of Canada Ltd.	St. Jean
Tappan-Gurney Ltd.	380 Ste-Croix Blvd., Montreal
Ontario:	
Beach Foundry Ltd.	75 Spencer St., Ottawa
Beatty Bros. Ltd.	Fergus
B. & P. Manufacturing	Weston
Belwood Appliance Co. Ltd.	Fergus
Brantford Washing Machines Ltd.	35 Fieldway Rd., Toronto
Canadian Westinghouse Co. Ltd.	286 Sanford Ave. N., Hamilton
Canadian Coleman Co. Ltd., The	9 Davies Ave., Toronto
Easy Washing Machine Co. Ltd.	76 Miranda Ave., Toronto
Escort Cooler Company Ltd.	Port Credit
Fairgreve & Son Ltd.	44 Dovercourt Rd., Toronto
Findlays Ltd.	Carleton Place
Franklin Mfg. Co. (Canada) Ltd.	490 York Rd., Guelph
Franklin Mfg. Co. (Canada) Ltd.	501 Franklin Blvd., Galt
Frigidaire Products of Canada Ltd.	Scarborough
General Freezer Ltd.	Woodbridge
General Steel Wares Limited	Adelaide & Nelson St., London
Gilson Manufacturing Co. Ltd.	Guelph
John Inglis Company Limited	14 Strachan Ave., Toronto
Kelvinator of Canada Ltd.	London
Maxwells (1964) Ltd.	St. Marys
Moffats Limited	Weston
Wood, W.C. Co. Ltd., The	Guelph
Simplicity Products Ltd.	Hespeler
Simpson, A.H. Industries Ltd.	157 Willowdale Ave., Willowdale
British Columbia:	
Coast Foundry Co. Ltd.	Burnaby

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

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

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

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

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

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

Establishment

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

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

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

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

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

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

Head Offices and Auxiliary Units

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

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

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

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

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

Employees

(a) Production and related workers — Manufacturing activities

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

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

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

(c) Administrative and office employees

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

(d) Sales and distribution workers

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

(e) Total Employees

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

Working Owners or Partners

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

Salaries and Wages

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

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

Fuel and Electricity

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

Materials and Supplies

(a) Manufacturing activities

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

(b) Non-manufacturing activities

1. Purchases for re-sale as such

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

2. Other materials and supplies used

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

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

Shipments

(a) General

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

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

(b) Shipments of goods of own manufacture

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

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

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

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

(c) Shipments of goods not of own manufacture

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

(d) Other revenue

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

Inventories

(a) Manufacturing activities

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

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".

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