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## BROOM, BRUSH AND MOP INDUSTRY

1964

In terms of the revised Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing household, industrial and street-sweeping brooms; household, paint and tooth brushes; floor, dust and dish mops".

The shipments of goods of own manufacture by the industry proper are presented in Table 13 and herein certain products have been deliberately concealed in order that the more important information covering the shipments of these commodities by all industries might be shown in Table 14.

A list of the establishments classified to this industry in the 1964 survey will be found at the end of this report.

### 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 .....	96	1,624	3,389	4,148	199	10,200	22,576	12,809	59	231	2,454	9,259	15,585
1962													
Totals .....	93	1,563	3,263	4,081	216	11,958	25,534	13,752	55	171	2,382	9,221	15,874
1963													
Newfoundland .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec .....	36	365	751	823	36	2,437	4,754	2,330	26	85	460	1,307	2,571
Ontario .....	34	875	1,836	2,503	134	7,865	18,277	10,805	13	36	1,460	6,947	13,147
Manitoba .....	6	129	241	318	8	793	1,453	630	4	16	140	433	631
Saskatchewan .....	3	x	x	x	x	x	x	x	x	x	x	x	x
Alberta .....	2	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia .....	6	39	79	120	5	195	552	347	4	17	57	200	385
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	89	1,674	3,448	4,545	225	12,969	28,682	15,934	50	160	2,475	10,162	18,576
1964													
Newfoundland .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec .....	33	357	751	868	33	2,654	5,035	2,399	21	87	447	1,400	2,664
Ontario .....	33	902	1,911	2,777	135	8,464	19,839	11,714	12	33	1,566	7,765	14,249
Manitoba .....	6	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan .....	3	x	x	x	x	x	x	x	x	x	x	x	x
Alberta .....	3	4	8	12	1	34	58	22	3	12	4	12	30
British Columbia .....	6	41	78	127	5	228	574	336	4	14	58	201	354
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	86	1,716	3,604	5,044	223	14,092	30,871	17,346	46	165	2,598	11,334	20,191

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			
1963													
Under \$10,000 .....	11	—	—	—	—	29	61	34	12	23	—	—	35
\$ 10,000 to \$ 24,999 .....	15	14	31	35	—	95	237	142	13	39	16	38	160
25,000 " 49,999 .....	18	42	87	104	8	281	636	346	16	62	59	139	385
50,000 " 99,999 .....	9	49	105	122	8	370	649	283	5	19	64	177	329
100,000 " 199,999 .....	10	224	441	497	25	802	1,575	891	4	17	263	679	953
200,000 " 499,999 .....	11	233	476	605	26	1,571	3,128	1,559	—	—	304	962	1,618
500,000 " 999,999 .....	6	333	715	781	30	2,028	3,846	1,961	—	—	414	1,203	2,171
1,000,000 " 4,999,999 .....	9	779	1,593	2,401	128	7,792	18,551	10,718	—	—	1,355	6,963	12,926
5,000,000 and over .....	9	779	1,593	2,401	128	7,792	18,551	10,718	—	—	1,355	6,963	12,926
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>89</b>	<b>1,674</b>	<b>3,448</b>	<b>4,545</b>	<b>225</b>	<b>12,969</b>	<b>28,682</b>	<b>15,934</b>	<b>50</b>	<b>160</b>	<b>2,475</b>	<b>10,162</b>	<b>18,576</b>
1964													
Under \$10,000 .....	9	—	—	—	—	19	50	32	9	21	—	—	37
\$ 10,000 to \$ 24,999 .....	16	15	33	39	2	96	238	143	15	51	16	42	187
25,000 " 49,999 .....	19	43	89	106	8	316	694	368	13	55	54	138	385
50,000 " 99,999 .....	7	51	110	136	8	293	582	268	5	26	63	183	316
100,000 " 199,999 .....	8	166	333	357	12	651	1,194	521	4	12	190	444	543
200,000 " 499,999 .....	12	271	546	712	29	1,799	3,564	1,807	—	—	351	1,101	1,847
500,000 " 999,999 .....	5	203	418	544	16	1,642	3,066	1,528	—	—	271	938	1,708
1,000,000 " 4,999,999 .....	10	967	2,074	3,149	149	9,276	21,483	12,678	—	—	1,653	8,488	15,168
5,000,000 and over .....	10	967	2,074	3,149	149	9,276	21,483	12,678	—	—	1,653	8,488	15,168
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>86</b>	<b>1,716</b>	<b>3,604</b>	<b>5,044</b>	<b>223</b>	<b>14,092</b>	<b>30,871</b>	<b>17,346</b>	<b>46</b>	<b>165</b>	<b>2,598</b>	<b>11,334</b>	<b>20,191</b>

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

Size group	Estab- lish- ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000							'000		'000			
1963													
Under \$10,000 .....	23	10	21	24	1	197	313	117	25	61	12	28	140
\$ 10,000 to \$ 24,999 .....	19	43	92	112	6	297	631	321	13	51	52	137	347
25,000 " 49,999 .....	13	99	199	256	15	427	876	448	8	31	131	355	502
50,000 " 99,999 .....	8	191	388	401	16	829	1,425	628	4	17	213	492	636
100,000 " 199,999 .....	9	182	370	465	21	1,556	2,806	1,249	—	—	251	809	1,403
200,000 " 499,999 .....	8	325	628	798	30	2,076	4,297	2,402	—	—	409	1,325	2,542
500,000 " 999,999 .....	6	415	922	1,204	47	3,812	7,873	4,186	—	—	588	2,241	4,295
1,000,000 " 4,999,999 .....	3	409	828	1,285	87	3,774	10,461	6,583	—	—	819	4,775	8,710
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>89</b>	<b>1,674</b>	<b>3,448</b>	<b>4,545</b>	<b>225</b>	<b>12,969</b>	<b>28,682</b>	<b>15,934</b>	<b>50</b>	<b>160</b>	<b>2,475</b>	<b>10,162</b>	<b>18,576</b>
1964													
Under \$10,000 .....	20	12	27	35	3	105	219	113	20	65	12	35	155
\$ 10,000 to \$ 24,999 .....	20	36	76	89	4	269	592	319	15	55	42	106	341
25,000 " 49,999 .....	12	90	190	223	13	463	917	425	9	42	110	291	484
50,000 " 99,999 .....	10	209	422	468	18	968	1,720	756	2	3	241	599	765
100,000 " 199,999 .....	8	168	336	442	19	1,209	2,466	1,284	—	—	228	740	1,299
200,000 " 499,999 .....	6	234	479	639	19	1,802	3,474	1,772	—	—	312	1,075	1,979
500,000 " 999,999 .....	7	498	1,091	1,558	54	4,631	9,756	5,138	—	—	673	2,742	5,255
1,000,000 " 4,999,999 .....	3	469	983	1,591	95	4,646	11,727	7,542	—	—	980	5,746	9,913
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>86</b>	<b>1,716</b>	<b>3,604</b>	<b>5,044</b>	<b>223</b>	<b>14,092</b>	<b>30,871</b>	<b>17,346</b>	<b>46</b>	<b>165</b>	<b>2,598</b>	<b>11,334</b>	<b>20,191</b>



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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1963													
Under \$10,000 .....	21	8	17	19	--	172	274	105	22	49	10	22	108
\$ 10,000 to \$ 24,999 .....	19	38	81	102	6	266	570	290	14	53	46	124	323
25,000 " 49,999 .....	13	91	181	229	13	407	820	408	10	41	119	304	443
50,000 " 99,999 .....	10	206	421	442	19	905	1,581	711	4	17	233	561	751
100,000 " 199,999 .....	7	128	267	306	14	925	1,791	868	--	--	168	500	873
200,000 " 499,999 .....	10	379	731	958	38	2,707	5,312	2,783	--	--	492	1,634	3,073
500,000 " 999,999 .....	6	415	922	1,204	47	3,812	7,873	4,186	--	--	588	2,241	4,295
1,000,000 " 4,999,999 .....	3	409	828	1,284	87	3,774	10,461	6,583	--	--	819	4,775	8,710
5,000,000 and over .....													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>89</b>	<b>1,674</b>	<b>3,448</b>	<b>4,545</b>	<b>225</b>	<b>12,969</b>	<b>28,682</b>	<b>15,934</b>	<b>50</b>	<b>160</b>	<b>2,475</b>	<b>10,162</b>	<b>18,576</b>
1964													
Under \$10,000 .....	17	8	18	21	1	55	145	91	16	44	8	22	98
\$ 10,000 to \$ 24,999 .....	22	39	82	99	5	302	641	333	17	66	45	116	370
25,000 " 49,999 .....	11	55	118	143	11	344	713	342	11	52	69	184	381
50,000 " 99,999 .....	12	245	497	551	21	1,104	1,949	846	2	3	283	709	896
100,000 " 199,999 .....	7	146	294	371	16	1,093	2,146	1,088	--	--	193	610	1,090
200,000 " 499,999 .....	7	256	520	710	21	1,919	3,794	1,967	--	--	347	1,206	2,188
500,000 " 999,999 .....	7	498	1,091	1,558	54	4,631	9,756	5,136	--	--	673	2,742	5,255
1,000,000 " 4,999,999 .....	3	469	983	1,591	95	4,646	11,727	7,542	--	--	980	5,746	9,913
5,000,000 and over .....													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>86</b>	<b>1,716</b>	<b>3,604</b>	<b>5,044</b>	<b>223</b>	<b>14,092</b>	<b>30,871</b>	<b>17,346</b>	<b>46</b>	<b>165</b>	<b>2,598</b>	<b>11,334</b>	<b>20,191</b>

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1963													
Under 5 employed .....	40	39	83	103	5	404	808	404	39	119	44	115	450
5 - 14 employed .....	13	66	139	158	12	371	775	401	7	24	95	240	459
15 - 49 " .....	22	466	942	1,179	55	2,999	5,748	2,878	4	17	594	1,840	3,121
50 - 99 " .....	10	520	1,049	1,335	58	4,374	9,768	5,428	--	--	718	2,569	5,594
100-199 " .....	4	583	1,233	1,770	95	4,820	11,584	6,823	--	--	1,024	5,399	8,952
200-499 " .....													
500 employed and over .....	--	--	--	--	--	--	--	--	--	--	--	--	--
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>89</b>	<b>1,674</b>	<b>3,448</b>	<b>4,545</b>	<b>225</b>	<b>12,969</b>	<b>28,682</b>	<b>15,934</b>	<b>50</b>	<b>160</b>	<b>2,475</b>	<b>10,162</b>	<b>18,576</b>
1964													
Under 5 employed .....	41	42	91	112	6	470	984	510	36	124	46	124	583
5 - 14 employed .....	12	77	163	197	13	411	855	413	8	38	98	269	461
15 - 49 " .....	18	401	803	1,033	39	2,412	4,829	2,444	2	3	506	1,543	2,502
50 - 99 " .....	10	504	1,053	1,433	61	4,687	9,652	5,116	--	--	674	2,544	5,452
100-199 " .....	5	692	1,495	2,270	104	6,113	14,552	8,863	--	--	1,274	6,854	11,193
200-499 " .....													
500 employed and over .....	--	--	--	--	--	--	--	--	--	--	--	--	--
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>86</b>	<b>1,716</b>	<b>3,604</b>	<b>5,044</b>	<b>223</b>	<b>14,092</b>	<b>30,871</b>	<b>17,346</b>	<b>46</b>	<b>165</b>	<b>2,598</b>	<b>11,334</b>	<b>20,191</b>

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

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000		\$'000		
<b>1963</b>													
Individual ownerships .....	38	107	226	261	12	561	1,280	733	35	109	128	309	791
Partnerships .....	9	26	55	63	4	214	377	163	15	51	29	74	186
Incorporated companies .....	42	1,541	3,166	4,220	209	12,193	27,025	15,038	...	...	2,318	9,778	17,599
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>89</b>	<b>1,674</b>	<b>3,448</b>	<b>4,545</b>	<b>225</b>	<b>12,969</b>	<b>28,682</b>	<b>15,934</b>	<b>50</b>	<b>160</b>	<b>2,475</b>	<b>10,162</b>	<b>18,576</b>
<b>1964</b>													
Individual ownerships .....	40	98	206	261	13	602	1,345	727	38	122	112	310	788
Partnerships .....	5	23	46	57	3	167	315	141	8	43	26	67	177
Incorporated companies .....	41	1,595	3,351	4,727	207	13,323	29,210	16,478	...	...	2,460	10,958	19,226
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>86</b>	<b>1,716</b>	<b>3,604</b>	<b>5,044</b>	<b>223</b>	<b>14,092</b>	<b>30,871</b>	<b>17,346</b>	<b>46</b>	<b>165</b>	<b>2,598</b>	<b>11,334</b>	<b>20,191</b>

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
\$'000						
<b>Output -</b>						
1. Shipments and other revenue .....	28,682	30,871	5,769	5,871	34,451	36,742
Inventories— Goods of own manufacture:						
Add closing— Goods in process .....	828	964	-	...	828	964
Finished goods .....	3,491	3,750	-	...	3,491	3,750
Deduct opening— Goods in process .....	758	810	-	...	758	810
Finished goods .....	3,116	3,112	-	...	3,116	3,112
2. Net inventory change .....	445	792	-	...	445	792
3. Gross output (1 + 2) .....	29,127	31,663	5,769	5,871	34,896	37,534
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	2,974	3,088	2,974	3,088
Inventories— Goods not of own manufacture:						
Add opening .....	...	...	774	744	774	744
Deduct closing .....	...	...	790	969	790	969
5. Cost of goods sold (not of own manufacture) .....	...	...	2,958	2,863	2,958	2,863
6. Materials, supplies, etc. ....	12,969	14,092	169	162	13,138	14,254
7. Fuel and electricity .....	225	223	...	...	225	223
8. Gross input (5 + 6 + 7) .....	13,194	14,315	3,127	3,025	16,321	17,340
<b>Value added (3 - 8).....</b>	<b>15,934</b>	<b>17,346</b>	<b>2,642</b>	<b>2,846</b>	<b>18,576</b>	<b>20,191</b>



TABLE 8. Employment and Payroll, 1963 and 1964

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis-trative and office		Sales and distribution		Total		Production and related workers		Adminis-trative and office	Sales and distribution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1963															
Newfoundland	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Quebec	232	133	2	-	38	30	25	-	297	163	823	4	397	83	1,307
Ontario	512	363	-	-	137	129	286	33	935	525	2,503	-	1,445	3,000	6,947
Manitoba	97	32	-	-	6	4	1	-	104	36	318	-	112	3	433
Saskatchewan	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Alberta	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
British Columbia	29	10	-	-	6	7	5	-	40	17	120	-	61	19	200
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals</b>	<b>1,041</b>	<b>633</b>	<b>2</b>	<b>-</b>	<b>211</b>	<b>198</b>	<b>348</b>	<b>42</b>	<b>1,602</b>	<b>873</b>	<b>4,545</b>	<b>4</b>	<b>2,272</b>	<b>3,340</b>	<b>10,162</b>
1964															
Newfoundland	x	x	-	-	x	-	-	x	x	x	x	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Quebec	235	122	-	-	35	29	26	-	296	151	868	-	418	115	1,400
Ontario	529	373	-	-	121	131	362	50	1,012	554	2,777	-	1,416	3,572	7,765
Manitoba	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Saskatchewan	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Alberta	3	1	-	-	-	-	-	-	3	1	12	-	-	-	12
British Columbia	29	12	-	-	5	7	5	-	39	19	127	-	57	17	201
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals</b>	<b>1,070</b>	<b>646</b>	<b>-</b>	<b>-</b>	<b>196</b>	<b>202</b>	<b>427</b>	<b>57</b>	<b>1,693</b>	<b>905</b>	<b>5,044</b>	<b>-</b>	<b>2,342</b>	<b>3,948</b>	<b>11,334</b>

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	917	537	988	603
February	919	543	1,000	614
March	925	565	1,003	611
April	936	581	1,000	612
May	949	590	973	599
June	951	594	1,001	610
July	946	590	943	610
August	959	613	992	624
September	951	625	985	639
October	955	630	988	640
November	954	635	968	639
December	931	628	942	633
Averages	942	593	983	621
Establishments reporting annual averages (small establishments only)	99	40	87	25
Average for all establishments	1,041	633	1,070	646

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 .....	x	-	x	x	x	x
Prince Edward Island .....	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-
New Brunswick .....	x	x	x	x	-	x
Quebec .....	400	42	225	667	140	807
Ontario .....	2,712	379	2,169	5,261	580	5,840
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	x	-	x	x	-	x
Alberta .....	7	-	6	13	-	13
British Columbia .....	52	9	22	83	21	103
Yukon and Northwest Territories .....	-	-	-	-	-	-
<b>Totals .....</b>	<b>3,843</b>	<b>810</b>	<b>3,112</b>	<b>7,765</b>	<b>745</b>	<b>8,510</b>
Closing:						
Newfoundland .....	x	-	-	x	-	x
Prince Edward Island .....	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-
New Brunswick .....	x	x	x	x	-	x
Quebec .....	415	60	256	732	187	919
Ontario .....	2,905	372	2,651	5,928	759	6,686
Manitoba .....	x	x	x	x	-	x
Saskatchewan .....	x	-	x	x	-	x
Alberta .....	9	-	6	15	-	15
British Columbia .....	68	-	26	94	19	113
Yukon and Northwest Territories .....	-	-	-	-	-	-
<b>Totals .....</b>	<b>4,147</b>	<b>964</b>	<b>3,750</b>	<b>8,860</b>	<b>969</b>	<b>9,829</b>

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

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
<b>1. Large establishments reporting commodity detail:</b>				
Bituminous coal:				
(a) From Canadian mines .....	ton	1,590	19	1,026
(b) Imported .....	"	620	9	478
Sub-bituminous coal (from Alberta mines only) .....	"	-	-	-
Anthracite coal .....	"	-	-	-
Lignite coal .....	"	-	-	-
Coke .....	"	71	1	-
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	38,647	16	20,578
Fuel oil including kerosene or coal oil .....	"	150,610	23	172,084
Wood .....	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	1,240	1	925
(b) Other manufactured gas .....	M cu. ft.	-	-	-
(c) Natural gas .....	"	36,959	32	43,652
Other fuel .....	...	...	5	...
Electricity purchased .....	kwh.	6,319,242	95	7,215,904
Steam purchased .....	...	...	2	...
<b>2. Small establishments not reporting commodity detail:</b>				
Estimate for fuel and electricity .....	...	...	21	...
<b>3. All establishments:</b>				
<b>Total fuel and electricity used .....</b>	...	...	<b>225</b>	<b>...</b>
				<b>223</b>

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

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
<b>1. Materials used:</b>				
Broom, corn .....	lb. 3,315,598	941	2,854,672	825
Fibre, all kind .....	982,595	504	983,718	519
Bristles:				
Animal .....	" 294,922	1,630	295,305	1,899
Other (including nylon) .....	" 361,359	680	385,928	732
Yarns:				
Cotton .....	" 2,369,034	1,213	2,577,840	1,329
Other .....	71,853	148	100,818	145
Fabrics:				
Cotton .....	yd. 10,905	4	10,905	4
Other .....	...	50	...	48
Wire .....	lb. 906,255	245	930,637	254
Lumber and wooden blocks .....	...	589	...	610
Handles, all kind .....	...	857	...	1,347
Mops parts, metal .....	...	348	...	421
Cellulose sponge .....	...	133	...	132
Metals and metallic products .....	...	9	...	-
Paints, lacquers and varnishes .....	gal. 17,520	69	20,258	81
Plastic moulding powder .....	lb. 1,402,054	432	1,787,617	512
All other materials and components used <sup>1</sup> .....	...	3,728	...	3,656
<b>2. Containers and other packaging materials and supplies used</b> .....	...	1,072	...	1,199
<b>3. Operating, maintenance and repair supplies used (excluding fuel)</b> .....	...	290	...	343
<b>4. Amount paid out to others for work done on materials owned by establishments</b> .....	...	27	...	36
<b>Totals</b> .....	...	<b>12,969</b>	...	<b>14,092</b>

<sup>1</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$966,613 in 1963 and \$863,490 in 1964.

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

Description	1963		1964	
	Quantity	Value	Quantity	Value
	dozen	\$'000	dozen	\$'000
<b>1. Products:</b>				
<b>Brooms:</b>				
Corn .....	209,977	2,927	208,721	3,021
Fibre .....	32,219	636	33,416	697
Hair .....	5,691	242	6,722	261
Plastic .....	10,861	173	8,462	174
Toy .....	2,966	11	3,895	15
Other brooms .....	...	263	...	310
Whisks .....	31,546	129	26,045	109
<b>Brushes:</b>				
Clothes .....	36,499	221	36,125	253
Cosmetic .....	...	...	...	...
Floor polisher .....	9,480	56	9,016	61
Hair .....	114,121	753	98,128	915
Nail .....	43,483	67	52,195	89
Paint (excluding artists) .....	...	2	...	2
Shaving .....	18,922	148	16,554	144
Shoe .....	63,441	239	57,897	239
Snow, auto .....	...	1	...	1
Toilet bowl .....	35,222	165	43,918	182
Tooth (including denture) .....	...	2	...	2
Other household use .....	...	2	...	2
Other industrial use (including chimney) .....	182,384	1,811	290,655	1,775
All other brushes .....	...	1,190	...	1,019
<b>Mops:</b>				
Floor, wet .....	247,547	1,922	239,546	1,945
Floor, dry .....	...	2	...	2
Floor, cellulose sponge, including refills .....	82,505	1,094	72,042	1,214
Dish .....	53,020	91	46,779	90
Other mops (including toy) .....	...	2	...	87
<b>Other products:</b>				
Handles of all kinds .....	...	548	...	411
Paint rollers complete .....	...	2	...	2
Paint roller kits, replacement rollers and parts .....	...	2	...	2
Wax applicators .....	7,954	57	7,402	68
All other products .....	...	16,165	...	18,102
<b>2. Amount received in payment for work done on materials and products owned by others</b> .....	...	60	...	59
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from the individual commodity items described above .....	...	(283)	...	(369)
<b>Total adjusted value of shipments and work done</b> .....	...	<b>28,682</b>	...	<b>30,871</b>

<sup>1</sup> Included in "All other brushes".

<sup>2</sup> Included in "All other products".

**TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1963 and 1964**  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	1963		1964	
	Quantity	Value	Quantity	Value
	dozen	\$'000	dozen	\$'000
<b>Brushes:</b>				
Tooth (including denture) .....	784,877	1,214	951,759	1,432
Paint .....	670,549	5,182	714,003	5,524
Other household use .....	317,699 <sup>f</sup>	1,203 <sup>f</sup>	280,137	1,124
<b>Mops:</b>				
Dry .....	94,180	1,505	93,379	1,571
<b>Other products:</b>				
Paint rollers complete, paint roller klt, replacement rollers and parts .....	...	1,310	...	1,731
<b>Total shipments</b> .....	...	<b>10,398</b>	...	<b>11,382</b>

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

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

Name	Location
<b>Newfoundland:</b>	
Canadian National Institute for the Blind .....	George St., St. John's
<b>New Brunswick:</b>	
Simms, T.S. & Co. Limited .....	Lancaster
<b>Quebec</b>	
American Broom Company .....	330 rue de l'Église, St-Basile-de-Portneuf
Atomic Mop & Broom Co. ....	5615 de Lorimier Ave., Montreal 35
Balais Bourassa, Enr. ....	264, rue Principale, St-Stanislas
Balais Remon, Enr. ....	394, Route Nationale, St-Augustin
Bonneaventure Broom Reg'd. ....	3146 St-Catherine Est, Montreal 4
Canadian Cotton & Wool Waste Co. Ltd. ....	415 des Récollets St., Montreal
Canis, Paul .....	7399, Ave. de Lorimier, Montréal
City Brush Mfg. Co. ....	86 Bernard Ave. W., Montreal
Crown Brush Co. Ltd. ....	300 Sauve W., Montreal 12
De Ladurantaye, A. & Fils .....	7861 de Gaspé, Montreal
Dominion Brush Manufacturing Co. Ltd. ....	501 Cowie Street, Granby
Graff Brushes Ltd. ....	642 de Courcelle St., Montreal 30
Granby Industrial Brush Reg'd. ....	430 St-Denis, Granby
Imperial Mops and Brooms Ltd. ....	9850 St-Urbain St., Montreal 12
La Cie de Balais de Montmagny, Limitée .....	Boul. St-Nicholas, Montmagny
La Cie de Balais St-Félix, Ltée. ....	St-Félix-de-Kingsey
La Cie Manufacturière de Balais, Enr. ....	554, 1ère Avenue, Beauceville-Est
L'Association Canadienne Française des Aveugles, Inc. ....	900 est, rue Beaubien, Montréal 10
Le Balai Lavtolette, Enr. ....	405 rue St-Léon, St-Tite
Les Broses Provinciales, Enr. ....	Sainte-Claire-de-Dorchester
Legault, Valmore .....	Route Rurale no 4, Granby
Mann Brush Mfg. Co. Ltd. ....	4443 St-Dominique St., Montreal
Modern Mop and Broom Co. ....	2131 St-Catherine St., East, Montreal 1
Montreal Association for the Blind Inc. ....	6980 Sherbrooke St. West, Montreal
Montreal Mop Mfg. Co. ....	75 Napoleon St., Montreal 18
Moppes St-Jean, Enr. ....	455, ave. des Bouleaux est, Québec
National Broom & Mop Mfg. Co. ....	12533 Lacordaire, Montréal Nord
Peerless Brush Manufacturing Co. ....	2375 Ekers Ave., Montreal 26
Royal Mop Co. ....	1347 Notre-Dame St. E., Montreal 24
Smith, Harold E. Limited .....	2551 Chateauguay St., Montreal 22
Superior Brush Manufacturing Co. ....	8660-8th Avenue, Ville St-Michel
United Broom Sales Co. ....	3468 Park Ave., Montreal 18
Viking Brush Co. ....	4550 Berri St., Montreal
<b>Ontario:</b>	
Bissell Ltd. ....	2934 Montrose Rd., Niagara Falls
Boeckh Company Limited, The .....	24 Noble Street, Toronto 3
Brandon, Harry G. ....	550 Maple Ave., Burlington
Brushcraft Limited Div. of Dustbane Mfg. Co. Ltd. ....	Avenue K, Ottawa
Canadian National Institute for the Blind, The .....	1929 Bayview Ave., Toronto 17
Canest Brushes Ltd. ....	190 Adelaide St. South, London
Card Brush Limited .....	Main Street, Newburgh
Challies Dental Products .....	Laurier Drive, Morrisburg
Dixon, W.E., Mfg. Limited .....	107 McGill St., Toronto 2
Dorsch, J. ....	45 Princess St., Waterloo
Drackett Co. of Canada Ltd., The .....	411 Albert St., Stratford



List of Establishments classified to This Industry, 1964 - Concluded

Name	Location
<b>Ontario - Concluded:</b>	
Felton, S.A., and Son Company	29 Harriet Street, Hamilton
Fort William Broom Mfg. Company	710 McTavish St., Fort William
Fuller Brush Company Limited	1115 Guelph Line, Burlington
Gibson Broom Company Ltd.	170 Christie Street, Toronto 4
Hamel, Irvin W. and Sons	18 Noecker Street, Waterloo
Harriston Broom Co., The	Margaret St., Harriston
Lees & Lees	Brock St., Norwich
Maltarp Mfg. Limited	140 Victoria Street, Barrie
Meakings & Sons Limited	125 Wellington St. N., Hamilton
Phillips Brush Corporation	108 McDougall St., Windsor
Pyroil-Master Mfg. Co. Ltd.	87 Colville Rd., Toronto 15
Queen City Broom Co.	Rear 163 Manning Ave., Toronto 3
Richardson, J.W.	407 Bay St. N., Hamilton
Rubberset Company (Canada) Limited	Second St., Gravenhurst
Steffen Broom & Brush Mfg.	Flora St., Teeswater
Stevens-Hepner Company Limited	Port Elgin
Superior Brush - Broom Company	312 King St. East., Hamilton
Tarbox Brothers Limited	30 Morrow Avenue, Toronto 3
Tek Hughes Brushes Ltd.	974 Lakeshore Road E., Port Credit
West, Taylor, Bickle & Co. Ltd.	Main St. W., Norwich
Wilson Broom Company, The	16 James Street, Ridgetown
Windsor Broom Co.	E.C. Row Ave., R.R. No. 2, Oldcastle
<b>Manitoba:</b>	
Atlas Brush Limited	576 McDermot Avenue, Winnipeg
Canadian National Institute for the Blind	1031 Portage Avenue, Winnipeg 10
Johnson, Wilmar	488 Balmoral St., Winnipeg 2
Ring Easy Mop Co.	205 Aikins St., Winnipeg 4
Standard Broom Mfg. Company	1365 Spruce St., Winnipeg 3
Winnipeg Modern Brush Company	422 Notre Dame, Winnipeg 2
<b>Saskatchewan:</b>	
Broom-Craft Company Limited	2520 Dewdney Ave., Regina
Canadian Brush Mfg.	319 Avenue H. South, Saskatoon
Mid-Western Broom Co. Limited	519 Avenue L. South, Saskatoon
<b>Alberta:</b>	
Alberta Broom Factory	236-12th St. B. North, Lethbridge
Calgary Brush	735-10th Avenue S.W., Calgary
Klean Sweep Brush Mfrs.	4723-17th Ave. S.W., Calgary
<b>British Columbia:</b>	
B.C. Lokmop	4843 Sophia St., Vancouver
Brodie Brush Co. Limited	891 Cambie Street, Vancouver 3
Crown Broom Works Co.	7170 Antrim Ave., Burnaby 1
Empire Brush Works	4159 Fraser St., Vancouver 10
Hamilton Products Co.	628 East Georgia Street, Vancouver 4
Pacific Coast Brush Co. (1952) Ltd.	752 East Hastings St., Vancouver



# CONCEPTS AND DEFINITIONS

## Census of Manufactures

### General

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

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

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

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

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

### Establishment

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

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

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

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



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

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

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

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

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

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

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

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

#### **Employees**

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

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

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

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



### (c) Administrative and office employees

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

### (d) Sales and distribution workers

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

### (e) Total Employees

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

### Working Owners or Partners

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

### Salaries and Wages

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

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

### Fuel and Electricity

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

### Materials and Supplies

#### (a) Manufacturing activities

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

#### (b) Non-manufacturing activities

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

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

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

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

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

## Shipments

### (a) General

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

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

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

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

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

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

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

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

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

### (d) Other revenue

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

## Inventories

### (a) Manufacturing activities

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



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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