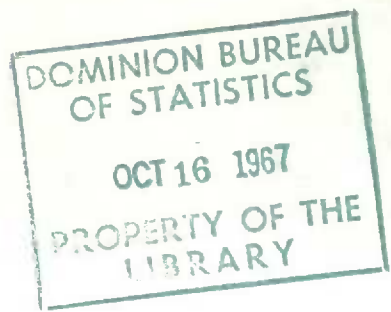


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ANNUAL



MANUFACTURERS OF SOAP AND CLEANING COMPOUNDS

1965

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OF MANUFACTURES

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PUBLICATIONS

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MANUFACTURERS OF SOAP AND CLEANING COMPOUNDS

1965

For Statistical purposes the industry titled Manufacturers of Soap and Cleaning Compounds in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing soap in any form, synthetic detergents, cleaners, washing powders and cleaning preparations including scouring powders and hand cleansers. This industry also includes establishments primarily engaged in manufacturing household laundry bleaches and blueing.

Value of shipments and other revenue of manufacturers of Soap and Cleaning Compounds industry totalled \$223 million. This amount included shipments of soaps, detergents, other washing compounds and cleaning preparations valued at \$144 million, shipments of other products (secondary products) valued at \$54 million, and other revenue of \$25 million.

This industry's shipments of soaps, detergents, other washings compounds and cleaning preparations represented 72.8 per cent of its manufacturing revenue. Secondary products shipped in 1965 included glycerine, floorwax, toilet preparations, shortening, margarine, refined oils, etc.

The cost of materials and supplies, etc. used in the production of goods of own manufacture increased by \$6.4 million. Cost of materials and supplies, etc. (inputs) in 1965 represented 48.5 per cent of the value of shipments of own manufacture (outputs), compared to 49.5 per cent in 1964.

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, 1961-65

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- draws	Number	Salaries and wages	
No.		'000			\$'000				\$'000		\$'000		
1961													
Totals	126	2,390	5,134	11,286	1,676	82,885	172,615	86,989	61	188	5,572	29,385	90,993
1962													
Totals	136	2,563	5,333	12,424	1,726	87,333	179,057	92,251	65	216	5,987	32,512	97,072
1963													
Totals	139	2,544	5,454	12,764	1,795	86,008	180,530	93,033	52	190	5,958	33,972	99,383
1964													
Newfoundland.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia.....	...	...	...	...	...	...	...	...	...	...	18	108	...
New Brunswick.....	3	x	x	x	x	x	x	x	-	-	x	x	x
Quebec.....	48	399	857	1,360	163	7,954	17,127	9,009	23	65	870	3,996	10,353
Ontario.....	63	1,910	4,185	10,855	1,514	77,460	158,920	79,853	34	113	4,421	28,060	84,634
Manitoba.....	7	43	82	111	10	859	1,816 ^r	955	x	x	102	428	1,072
Saskatchewan.....	1	-	-	-	-	x	x	x	-	-	x	x	x
Alberta.....	6	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia.....	12	41	83	140	12	1,054	1,780	687	x	x	123	606	794
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	140	2,431	5,285	12,579	1,717	88,569	182,651	92,276	60	186	5,677	33,824	98,726
1965													
Newfoundland.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia.....	...	...	...	...	...	...	...	...	...	...	18	112	...
New Brunswick.....	3	x	x	x	x	x	x	x	-	-	x	x	x
Quebec.....	40	361	744	1,238	153	7,643	16,909	9,255	18	63	844	4,075	10,291
Ontario.....	67	1,951	4,372	11,319	1,609	84,072	174,647	90,756	31	102	4,471	29,575	95,443
Manitoba.....	7	31	66	86	10	860	1,672	786	x	x	93	397	955
Saskatchewan.....	1	-	-	-	x	x	x	x	-	-	x	x	x
Alberta.....	5	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia.....	11	39	82	151	15	738	1,623	865	x	x	128	705	996
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	134	2,418	5,341	12,914	1,808	94,933	198,076	103,254	52	175	5,688	35,525	109,403

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

Size group	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
1964													
Under \$10,000	27	—	—	—	—	57	142	84	25	48	4	5	84
\$ 10,000 to \$ 24,999	15	8	15	16	2	124	232	115	11	32	17	43	115
25,000 " 49,999	20	35	72	103	5	375	719	352	13	54	63	206	405
50,000 " 99,999	16	53	110	165	15	818	1,184	384	10	45	74	227	457
100,000 " 199,999	20	148	308	464	43	1,619	3,074	1,397	1	8	254	890	1,955
200,000 " 499,999	14	122	256	380	68	2,345	4,599	2,280	—	—	297	1,410	3,117
500,000 " 999,999	10	185	392	677	94	4,145	7,171	2,995	—	—	305	1,397	3,164
1,000,000 " 4,999,999	14	478	1,025	1,969	366	15,530	32,412	16,667	—	—	899	4,549	17,285
5,000,000 and over	4	1,402	3,108	8,804	1,122	63,556	133,117	68,002	—	—	2,906	19,521	72,059
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	858	5,575	84
Totals	140	2,431	5,285	12,579	1,717	88,569	182,651	92,276	60	186	5,677	33,824	98,726
1965													
Under \$10,000	22	2	4	4	—	47	123	76	19	38	6	10	76
\$ 10,000 to \$ 24,999	12	6	11	13	1	90	189	96	9	26	9	25	96
25,000 " 49,999	22	35	69	105	5	419	805	391	14	62	68	226	452
50,000 " 99,999	16	43	94	149	10	640	1,131	475	7	38	68	254	569
100,000 " 199,999	19	110	234	412	36	1,661	2,919	1,227	3	12	197	851	1,914
200,000 " 499,999	12	98	202	330	45	1,601	3,482	1,848	—	—	304	1,396	2,528
500,000 " 999,999	13	221	454	770	141	5,620	9,771	4,014	—	—	371	1,701	4,748
1,000,000 " 4,999,999	13	388	802	1,481	267	13,338	28,887	15,504	—	—	753	3,823	16,349
5,000,000 and over	5	1,515	3,472	9,650	1,302	71,519	150,769	79,624	—	—	3,073	21,391	82,570
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	839	5,850	103
Totals	134	2,418	5,341	12,914	1,808	94,933	198,076	103,254	52	175	5,688	35,525	109,403

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

Size group	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
1964													
Under \$10,000	44	11	20	26	3	380	562	195	39	88	31	86	229
\$ 10,000 to \$ 24,999	24	51	102	150	14	662	1,069	409	19	86	70	211	488
25,000 " 49,999	14	46	100	142	12	807	1,248	458	2	12	97	328	552
50,000 " 99,999	16	135	275	407	38	1,511	2,629	1,079	—	—	215	797	1,513
100,000 " 199,999	11	148	311	469	67	2,482	4,004	1,482	—	—	233	906	1,896
200,000 " 499,999	12	151	328	583	92	3,350	6,768	3,436	—	—	358	1,815	4,030
500,000 " 999,999	7	133	288	513	71	4,442	10,114	5,657	—	—	220	1,145	5,939
1,000,000 " 4,999,999	9	411	873	1,723	326	15,038	28,826	13,505	—	—	809	3,978	14,103
5,000,000 and over	3	1,345	2,987	8,565	1,095	59,896	127,432	66,055	—	—	2,786	18,982	69,892
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	858	5,575	84
Totals	140	2,431	5,285	12,579	1,717	88,569	182,651	92,276	60	186	5,677	33,824	98,726
1965													
Under \$10,000	34	9	17	20	2	192	354	161	26	56	23	73	206
\$ 10,000 to \$ 24,999	26	42	91	123	10	945	1,391	444	20	86	76	252	520
25,000 " 49,999	18	59	129	209	11	802	1,400	598	6	32	86	319	688
50,000 " 99,999	13	81	172	293	26	1,217	2,123	871	—	—	175	752	1,642
100,000 " 199,999	7	62	122	230	22	1,158	2,002	787	—	—	148	590	1,374
200,000 " 499,999	18	262	536	908	166	5,763	11,150	5,266	—	—	515	2,476	5,951
500,000 " 999,999	3	66	126	175	25	1,410	3,770	2,330	—	—	103	375	2,457
1,000,000 " 4,999,999	12	515	1,066	2,200	415	18,202	36,584	18,202	—	—	997	5,144	18,994
5,000,000 and over	3	1,322	3,081	8,755	1,129	65,244	139,302	74,595	—	—	2,726	19,694	77,467
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	839	5,850	103
Totals	134	2,418	5,341	12,914	1,808	94,933	198,076	103,254	52	175	5,688	35,525	109,403

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

Size group	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manufac-ture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
1964													
Under \$10,000	43	9	17	18	3	345	518	186	38	83	25	57	188
\$ 10,000 to \$ 24,999	22	41	79	111	6	530	896	372	17	74	58	169	380
25,000 " 49,999	15	44	94	137	9	737	1,186	462	4	23	87	271	518
50,000 " 99,999	12	100	203	300	29	1,035	1,765	693	1	7	142	517	819
100,000 " 199,999	14	163	337	510	71	2,798	4,401	1,565	-	-	270	1,054	1,928
200,000 " 499,999	14	180	396	681	100	3,579	7,084	3,463	-	-	413	2,038	4,266
500,000 " 999,999	7	123	261	478	72	3,762	8,704	5,008	-	-	214	1,127	5,490
1,000,000 " 4,999,999	10	426	910	1,778	333	15,886	30,664	14,474	-	-	824	4,032	15,161
5,000,000 and over	3	1,345	2,987	8,565	1,095	59,896	127,432	66,055	-	-	2,786	18,982	69,892
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	858	5,575	84
Totals	140	2,431	5,285	12,579	1,717	88,569	182,651	92,276	60	186	5,677	33,824	98,726
1965													
Under \$10,000	33	8	14	16	2	159	314	154	25	51	17	37	154
\$ 10,000 to \$ 24,999	23	29	60	90	6	656	1,054	393	18	76	50	161	392
25,000 " 49,999	17	46	101	156	9	704	1,202	505	7	36	74	270	553
50,000 " 99,999	14	84	185	305	24	1,281	2,018	719	2	13	150	633	967
100,000 " 199,999	8	54	112	202	21	840	1,699	809	-	-	101	404	1,066
200,000 " 499,999	19	277	563	956	169	5,864	11,361	5,368	-	-	577	2,643	6,182
500,000 " 999,999	5	83	159	234	33	1,984	4,542	2,510	-	-	157	690	3,524
1,000,000 " 4,999,999	12	515	1,066	2,200	415	18,202	36,584	18,202	-	-	997	5,144	18,994
5,000,000 and over	3	1,322	3,081	8,755	1,129	65,244	139,302	74,595	-	-	2,726	19,694	77,467
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	839	5,850	103
Totals	134	2,418	5,341	12,914	1,808	94,933	198,076	103,254	52	175	5,688	35,525	109,403

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

Size group	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manufac-ture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
1964													
Under 5 employed	64	38	77	113	11	1,069	1,691	634	52	148	63	195	637
5 - 14 employed	30	137	454	454	42	1,954	4,178	2,274	8	37	208	785	2,901
15 - 49 "	30	426	885	1,428	213	10,260	17,908	7,404	-	-	733	3,008	8,446
50 - 99 "	10	302	651	1,153	144	7,557	17,695	10,026	-	-	375	2,917	10,667
100-199 "	3	183	391	865	212	7,831	13,746	5,884	-	-	454	2,360	6,099
200-499 "	3	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over	3	1,345	2,987	8,565	1,095	59,896	127,432	66,055	-	-	2,786	18,982	69,892
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	858	5,575	84
Totals	140	2,431	5,285	12,579	1,717	88,569	182,651	92,276	60	186	5,677	33,824	98,726
1965													
Under 5 employed	61	45	94	143	12	1,207	2,043	842	43	134	73	258	874
5 - 14 employed	30	132	289	466	43	2,435	4,464	1,998	9	42	209	812	2,435
15 - 49 "	27	377	779	1,290	192	9,896	18,723	8,627	-	-	720	3,259	10,555
50 - 99 "	10	323	648	1,230	201	8,442	18,687	10,278	-	-	619	3,045	11,002
100-199 "	3	219	450	1,028	231	7,709	14,857	6,915	-	-	502	2,608	6,966
200-499 "	3	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over	3	1,322	3,081	8,755	1,129	65,244	139,302	74,595	-	-	2,726	19,694	77,467
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	839	5,850	103
Totals	134	2,418	5,341	12,914	1,808	94,933	198,076	103,254	52	175	5,688	35,525	109,403

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

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000			\$'000	
1964													
Individual ownerships	46	56	116	171	16	708	1,180	473	46	140	66	204	584
Partnerships	7	1	2	2	1	106	155	49	14	46	1	2	51
Incorporated companies	87	2,374	5,167	12,405	1,700	87,755	181,316	91,754	-	-	4,752	28,042	98,006
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	858	5,575	84
Totals	140	2,431	5,285	12,579	1,717	88,569	182,651	92,276	60	186	5,677	33,824	98,726
1965													
Individual ownerships	42	50	110	170	9	787	1,289	508	43	145	65	224	609
Partnerships	5	2	4	4	1	101	153	50	9	30	4	14	65
Incorporated companies	87	2,366	5,227	12,740	1,798	94,045	196,634	102,696	-	-	4,780	29,438	108,626
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	839	5,850	103
Totals	134	2,418	5,341	12,914	1,808	94,933	198,076	103,254	52	175	5,688	35,525	109,403

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
\$'000						
Output						
1. Shipments and other revenue	182,651	198,076	20,990	24,524	203,641	222,599
Inventories—Goods of own manufacture:						
Add closing—Goods in process	2,361	2,259	...	...	2,361	2,259
Finished goods	12,929	14,897	...	...	12,929	14,897
Deduct opening—Goods in process	1,879	2,352	...	...	1,879	2,352
Finished goods	13,501	12,885	...	...	13,501	12,885
2. Net inventory change	(90)	1,919	...	...	(90)	1,919
3. Gross output (1 + 2)	182,561	199,995	20,990	24,524	203,551	224,518
Input						
4. Purchases of goods not of own manufacture .....	...	...	15,556	17,354	15,556	17,354
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	1,445	3,372	1,445	3,372
Deduct closing .....	...	...	3,386	3,376	3,386	3,376
5. Cost of goods sold (not of own manufacture) .....	...	...	13,615	17,350	13,615	17,350
6. Materials, supplies, etc.	88,569	94,933	926	1,024	89,495	95,957
7. Fuel and electricity	1,717	1,808	...	...	1,717	1,808
8. Gross input (5 + 6 + 7)	90,286	96,741	14,541	18,374	104,827	115,115
Value added (3 - 8)	92,276	103,254	6,450	6,150	98,726	109,403

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Administrative and office		Sales and distribution		Total		Production and related workers		Administrative and office	Sales and distribution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1964															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia .....	...	...	...	...	...	...	13	5	13	5	...	...	...	108
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Quebec	330	69	-	-	115	60	253	43	698	172	1,360	-	1,051	1,585	
Ontario	1,541	369	35	16	1,443	564	399	54	3,418	1,003	10,855	254	13,919	3,031	
Manitoba	38	5	-	-	13	3	32	11	83	19	111	-	75	242	
Saskatchewan	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Alberta	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
British Columbia	29	12	-	-	16	6	47	13	92	31	140	-	114	352	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	1,968	463	35	16	1,606	641	808	140	4,417	1,260	12,579	254	15,253	5,738	
1965															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia .....	...	...	...	...	...	...	13	5	13	5	...	...	...	112
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Quebec	303	58	-	-	134	67	248	34	685	159	1,238	-	1,139	1,698	
Ontario	1,558	393	32	12	1,420	576	427	53	3,437	1,034	11,319	274	14,758	3,224	
Manitoba	28	3	-	-	12	4	36	10	76	17	86	-	74	238	
Saskatchewan	-	-	-	-	x	x	x	x	x	x	-	-	x	x	
Alberta	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
British Columbia	29	10	-	-	14	7	54	14	97	31	151	-	118	437	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	1,943	475	32	12	1,596	662	842	126	4,413	1,275	12,914	274	16,185	6,152	

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

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	1,829	433	1,809	436
February	1,819	391	1,806	454
March	1,810	416	1,788	456
April	1,758	414	1,808	434
May	1,782	412	1,804	441
June	1,817	439	1,863	473
July	1,808	423	1,811	413
August	1,807	478	1,839	485
September	1,845	480	1,804	480
October	1,860	451	1,776	478
November	1,801	446	1,756	447
December	1,781	440	1,726	422
Averages	1,810	438	1,812	454
Establishments reporting annual averages (small establishments only)	158	25	131	21
Average for all establishments	1,968	463	1,943	475

TABLE 10. Inventories,¹ 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia .....	...	...	...	...	...	...
New Brunswick	x	x	x	x	x	x
Quebec	675	19	653	1,347	313	1,659
Ontario	7,970	2,331	11,974	22,275	3,044	25,319
Manitoba	83	x	130	213	—	213
Saskatchewan	x	—	x	x	—	x
Alberta	x	—	x	x	x	x
British Columbia	61	1	73	135	2	137
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	8,934	2,352	13,003	24,289	3,372	27,661
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia .....	...	...	...	...	...	...
New Brunswick	x	x	x	x	x	x
Quebec	778	29	798	1,606	322	1,928
Ontario	8,283	2,227	13,869	24,379	3,019	27,397
Manitoba	120	1	113	234	—	234
Saskatchewan	x	—	x	x	—	x
Alberta	x	x	x	x	x	x
British Columbia	66	1	67	134	18	153
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	9,423	2,259	15,029	26,710	3,376	30,085

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

Description	1964		1965	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	242	3	—
(b) Imported	"	32,558	311	34,500
Sub-bituminous coal (from Alberta mines only)	"	—	—	—
Anthracite coal	"	155	2	—
Lignite coal	"	—	—	—
Coke	"	—	—	—
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	238,279	97	243,580
Fuel oil including kerosene or coal oil	"	3,141,758	270	3,403,597
Wood	cord	30	--	18
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	90,284	17	90,971
(b) Other manufactured gas	M cu. ft.	—	—	—
(c) Natural gas	"	833,939	352	630,106
Other fuel .....	...	...	2	...
Electricity purchased	kwh.	57,664,155	496	59,927,613
Steam purchased .....	...	...	122	...
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	...	44	...
3. All establishments:				
Total fuel and electricity used .....	...	...	1,717	1,808

¹ The difference between figures in Table 10 and those in Table 7 arises from firms reporting output of products on the basis of production rather than of shipments. Consequently, inventories of finished products for such respondents are not taken into account for purposes of compiling value added in Table 7. See also "Concepts and definitions" for explanation of other variances.

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Acid, cresylic	lb. 51,660	7	46,282	6
Acid, oleic	" 57,540	10	74,920	16
Acid, stearic	" 984,638	171	1,057,672	198
Acids, fatty, other.....	" 1,128,308	150	2,294,992	288
Acid, hydrochloric (muriatic).....	" 519,545	16	777,016	20
Acid, sulphuric, including oleum (as 100% acid).....	" 34,629,623	473	35,533,074	482
Bentonite (filtrol, Pembina, etc.).....	ton 1,271	93	1,158	98
Borax.....	lb. 507,786	26	748,691	37
Chalk, ground.....	" 20,960	--	17,320	--
Chalk, precipitated	" 99,059	9	125,042	6
Chloride of lime	" 99,077	6	--	--
Ethanolamines (mono, di, tri)	" 1,280,669	338	727,711	201
Ethyl alcohol.....	gal. 641,877	539	471,807	459
Feldspar, crude	ton 521	10	--	--
Fuller's earth.....	" 83	8	71	8
Glycerine, crude	lb. 8,001,880	1,242	6,124,136	875
Glycerine, refined	" 591,509	160	574,378	158
Isopropyl alcohol.....	" 237,859	24	353,410	33
Javelle concentrate or sodium hypochlorite, for dilution	" ..	187	--	118
Lanolin	lb. 22,923	11	11,437	5
Liquid chlorine	" 13,670,001	463	15,814,684	530
Oils:				
Cocoanut.....	" 16,308,055	2,419	17,970,664	3,221
Essential	" ..	1,623	--	2,033
Linseed.....	gal. 6,040	6	6,240	6
Palm kernel	lb. 4,013,632	581	4,304,876	732
Tall	" 231,209	27	260,642	29
Other oils	" 106,376,710	12,513	102,282,851	14,315
Perfumes.....				
Potassium hydroxide (caustic potash)	lb. 1,399,531	104	1,699,517	116
Resin	" 82,540	25	81,755	20
Silica sand	ton 15,297	258	15,431	273
Sodium carbonate (soda ash)	lb. 11,847,950	294	9,621,191	231
Sodium carboxymethylcellulose.....	" 1,447,336	346	1,524,631	321
Sodium hydroxide (caustic soda).....	" 55,963,370	1,961	58,983,747	1,957
Sodium chloride (common salt)	" 4,750,963	48	5,573,970	53
Sodium silicate (including metasilicate)	" 24,790,589	657	25,202,023	604
Sodium tripolyphosphate.....	" 100,707,057	8,042	106,538,856	8,128
Talc.....	ton 42	3	35	2
Tallow, grease and other soap stocks	lb. 58,085,137	4,524	59,552,953	5,403
Tetrasodium pyrophosphate	" 1,513,779	150	837,591	81
Trichlorethylene	" 5,948	1	63,889	10
Trisodium phosphate.....	" 8,046,554	596	8,095,947	600
Wax:				
Caraba.....	" 22,465	14	38,946	29
Other waxes	" 59,393	21	67,102	24
All other materials and components used ¹.....	...	21,736	...	23,500
2. Containers and other packaging materials and supplies used .....	...	25,190	...	26,036
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	1,530	...	1,663
4. Amount paid out to others for work done on materials owned by establishments .....	...	1,382	...	1,448
Totals .....	...	88,569	...	94,933

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$2,315,749 in 1964, \$2,402,071 in 1965.

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

Description	1964		1965	
	Quantity	Value	Quantity	Value
	pounds	\$'000	pounds	\$'000
I. Products:				
Hard soaps:				
Bar laundry and household soaps (except sold to textile mills):				
Built	920,481	157	1,015,274	169
Not built	8,457,128	1,963	8,310,812	2,005
Soap chips and flakes:				
In household packages	1,855,421	534	1,894,171	559
In bulk (except textile and mill).....	6,500,146	781	5,357,715	717
Toilet soaps (except liquid).....	40,995,490	16,654	42,242,177	19,141
Castile soaps	235,680	45	191,338	36
In household packages	11,591,442	3,582	10,354,310	3,489
In bulk	10,268,697	1,406	10,100,476	1,466
Shaving soaps:				
Creams (including brushless)				
All other	822,870	1,080	912,912	1,157
Liquid soaps	4,559,168	473	9,150,971	1,289
Paste and jelly:				
Packaged in containers under 25 pounds	983,562	119	586,014	80
Bulk-containers over 25 pounds	5,355,306	523	4,867,646	514
All other soaps .....	...	200	...	168
Totals, soap .....	...	27,515	...	30,791
Synthetic detergents:				
Liquid (and pastes):				
Packaged (when in individual containers of less than 1 gallon)	64,697,650	19,428	68,296,129	20,445
Bulk (when in individual containers of 1 gallon or more) ¹	33,757,245	6,261	38,134,497	7,053
Solid (including bars, flake or powder):				
Packaged (bar or carton of 25 pounds or less).....	179,980,494	44,428	194,091,525	48,565
Bulk (individual bars or cartons of more than 25 pounds)	41,338,015	7,021	39,386,694	6,142
Totals, detergents	319,773,404	77,138	339,908,845	82,225
Cleaning preparations:				
Mechanics' hand soaps and pastes	2,093,195	435	2,016,549	403
Javelle water or sodium hypochlorite .....	..	13,945	..	14,286
Other washing compounds ² .....	...	4,257	...	5,335
Scouring powders, pastes and cakes	55,716,428	9,010	53,203,651	10,134
Drain pipe cleaner	2,586,120	875	3,312,796	1,033
Other cleaning preparations:				
Household and laundry, including lye .....	..	2,737	..	2,251
Industrial and other .....	..	1,505	..	2,328
Glycerine, crude, sold as such ³	146,966	24	118,468	17
Glycerine, refined:				
B.P. and U.S.P. grade	5,916,386	1,491	4,979,852	1,309
Dynamite grade				
Other grades	4,916,035	1,273	4,844,052	1,371
Toilet preparations.....	...	16,588	...	18,240
All other products ⁴ .....	...	29,442	...	31,909
2. Amount received in payment for work done on materials and products owned by others .....	...	181	...	140
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above.....	...	(3,764)	...	(3,698)
Total adjusted value of shipments and work done.....	...	182,651	...	198,076

¹ Some of the bulk detergent was sold to other firms in this industry to be processed into the "packaged" size and therefore appears again in the figures for "packaged".

² Includes sal soda, washing blue, liquid starch, fabric softner, etc.

³ Some of the crude glycerine was sold to refiners in this industry and therefore appears again in the figures for refined glycerine.

⁴ (a) Includes data for textile softeners, floorwax, insecticides and other such miscellaneous items.

(b) Starting in 1961, includes as well details on margarine, shortening, refined oils and other products of the fats divisions of some of the establishments filing consolidated reports in accordance with the New Establishment Concept - see text. For details on these products see reports issued under the following titles: Oils and Fats, Catalogue No. 32-006; Vegetable Oil Mills, Catalogue No. 32-223.

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1964 and 1965
 (Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)
A. Soaps and Cleaning Compounds, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
	M pounds	\$'000	M pounds	\$'000
Hard soaps:				
Bar laundry and household soaps:				
Built	921	152	1,015	169
Not built	8,457	1,963	8,311	2,005
Soap chips and flakes:				
In household packages	1,855	534	1,894	559
In bulk (except textile and mill) ¹	6,500	781	5,358	717
Toilet soaps (except liquid)	44,808	18,510	45,382	21,351
Castile soaps	236	45	191	36
Soap powders:				
In household packages	11,591	3,582	10,816	3,576
In bulk	10,269	1,406	10,100	1,466
Shaving soaps:				
Creams:				
Aerosol	1,262	1,170	1,670	1,414
Lather type	1,118	1,266	912	1,270
Brushless type	235	244	213	235
All other	182	311	177	305
Liquid soaps	11,576	2,749	14,528	2,454
Paste and jelly	6,880	695	6,296	741
All other soaps	6,327	867	7,847	1,440
Totals, soaps	112,217	34,275	114,710	37,738
Ammonia powder	138	17	..	..
Javelle water .....	...	13,948 ²	...	14,286
Mechanics' hand soaps and pastes	2,853	634	2,770	612
Cleaning or scouring powders, pastes and cakes:				
Abrasive type	55,794	9,033	54,630	10,347
Other type				
Toilet bowl cleaners, including toilet flush	5,755	1,360	8,204	1,586
Drain pipe cleaner	2,853	941	4,117	1,294
Other washing compounds and cleaning preparations .....	...	18,505	...	21,553
Glycerine, crude ²	288	45	269	39
Glycerine, refined:				
B.P. and U.S.P. grades	5,967	1,506	5,015	1,320
Dynamite grade	1,009	310	1,299	352
Other grades	6,515	1,637	7,180	1,977
Synthetic detergents	344,117	81,504	366,497	83,209

¹ Includes some liquid and soft soaps.

² Some of the crude glycerine production was sold to refiners in this industry and appears again in the figures for refined glycerine.

B. Soaps and Synthetic Detergents, 1959-1965

Year	Soaps		Synthetic detergents		Total soaps and synthetic detergents	
	Pounds	Selling value at plant	Pounds	Selling value at plant	Pounds	Selling value at plant
		\$'000		\$'000		\$'000
1959	130,486,000	34,475	209,590,000	60,875	340,076,000	95,350
1960	109,931,000	32,994	230,453,000	64,916	340,384,000	97,910
1961	124,853,000	33,607	246,953,000	66,978	371,806,000	100,585
1962	115,794,000	33,276	279,202,000	73,572	394,996,000	106,848
1963	113,456,000	33,612	307,494,000	75,229	420,950,000	108,841
1964	112,217,000	34,275	344,117,000	81,504	456,334,000	115,779
1965	114,710,000	37,738	366,497,000	83,209	481,207,000	120,947

List of Establishments classified to this Industry, 1965

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

Name	Location
New Brunswick:	
Doleros Industries Ltd.	5 Seaton St., St. John
Domtar Consumer Products Ltd., Javex Div.	P.O. Box 5, Baig Blvd., Moncton
Star Industries Ltd.	323 Collishaw St., Moncton
Quebec:	
Best Kosher Products	273 Laurier Ave. W., Montreal
Canadian Industrial Sanitation Ltd.	4020 Richelieu St., Montreal
Canadian Permag Products Ltd.	300 Arran Ave., St. Lambert
Chanteclerc Ltée	85, Ave. des Epinettes-Ouest, Quebec
Chem-Klenz Inc.	8366, boul. St-Laurent, Montréal
Chemotec Ltd.	7988 - 16th Ave., Ville-St-Michel
Domtar Consumer Products Ltd., (Javex Div.)	960 Outremont Ave., Outremont
Diversey Corporation (Canada) Ltd., The	8365 Labarre St., Montreal
Eau de Javelle Canadienne Nationale	3932, rue Bannantyne, Verdun
Eau de Javelle Drummond	1 - 11th Ave., Drummondville
Eau de Javelle Marquise Enr.	107, rue St-Michel, B.P. Chevalier, Beauport-Ouest
Eau de Javelle Suprême	4049 Newmarch St., Verdun
Economic Products Ltd.	3800 Lesage St., Verdun
Fleur de Lyse Nationale	231, rue Bagot, Québec
Fyon and Fyon Ltd.	5357 Papineau Ave., Montreal
Handy Chemicals Ltd.	1850, rue Ste-Hélène, Villes-Jacques-Cartier
Hy-Jave Reg'd.	645, rue Robichaud, Québec
Javellex Co.	Rouyn
Jumbo Javel Water Reg'd.	440 Galt St., Verdun
La Compagnie Lavo Ltée	1880 Chambly St., Montreal
Les Produits Net-O Inc.	4375, rue Christophe-Colomb, Montréal
Les Produits Sanitaires Duo Inc.	1101, rue Victoria, St-Lambert
Miller, F.D., and Co. Ltd.	1190-1192 William St., Montreal
Mus-Hav-Cleanser Co.	11930, rue Racette, Montreal-Nord
Myriad Detergent Inc.	44, rue Dorchester, Québec
Norccool Co.	822, rue de l'Épée, Montréal
Produits Shin-Ex Enr.	5045, rue Turcot, Montreal
Produits V-To	748, rue Central, St-Joseph de St-Hyacinthe
Purssell, Chas., Reg'd.	165 Mount Vernon, Ville-St-Pierre
Rolex Cleaner Co.	5140 - 8th Ave., Rosemont, Montreal
Rowe, Robert, Co. Inc.	5740 Hamilton St., Montreal
Savon Majestic Ltée	1893, rue Moreau, Montréal
Savonnerie, B.L. Enr.	421, rue de la Montagne, St-Tite
Six-Va-Sol-Cie Ltée	Scotstown
Snap Manufacturing Ltd.	9680 St. Lawrence Blvd., Montreal
Soleil Enr.	415, rue Visitation, Joliette
Texavon Chemical Co. Ltd.	85A Vitre St. W., Montreal
United Chemical Co. Ltd.	3830 St. Ambroise St., Montreal
Vitex	6918 Querbes St., Montreal
Williams, J.B., Co. (Canada) Ltd., The	9471 La Salle Blvd., Ville-La-Salle
Ontario:	
Acme Chemical Products Ltd.	229 Niagara St., Toronto
Admiral Sanitation Ltd.	115 Crockford Blvd., Scarborough
Alkaril Chemicals Ltd.	3446 Mavis Rd., Cooksville
Aluma Lustre Cleaning Compounds	2450 Industrial St., Burlington
Associated Chemical Co. of Canada Ltd.	40 Bartor Rd., Weston
Astra Soap and Wax Ltd.	4469 Chesswood Dr. Downsview
Athans Chemicals	1659 Kilborn Ave., Ottawa
Bear Chemicals Co.	31 LePage Court, Downsview
Bernie's Suds Co.	982 Pape Ave., Toronto
Brillo Mfg. Co. (Canada) Ltd.	112 Sinnott Rd., Scarborough
Canada Packers Limited (Soap Division)	525 Front St. E., Toronto
Chemical Developments of Canada Ltd.	Langford Mills
Colgate-Palmolive Ltd.	64 Colgate Ave., Toronto
Copeland Laboratories Ltd.	46 Brydon Drive, Rexdale
Cressel Chemicals Ltd.	3041 Howard Ave., Windsor
Crystal Chemicals Ltd.	124 Manville Rd., Scarborough
D. L. Skin Care Products Ltd.	234 Norseman Ave., Toronto
Diamond Cleanser and Soaps	120 - 26th St., Toronto
Dick, A.C., Chemicals	299 - 1st Ave. N., Welland
Diversey Corporation (Canada) Ltd., The	Clarkson
Domtar Consumer Products Ltd., (Javex Div.)	99 Vanderhoof Ave., Toronto
Douglas-Hogarth Ltd.	537 West St. (R.R. 6) Brantford
Drackett Co. of Canada Ltd., The	104 Jutland Rd., Toronto
Easy Way Products	411 Brighton St., Woodstock
Economics Laboratory (Canada) Ltd.	60 Torlake Crescent, Toronto
"Effort" Mfg. Co., The	Mount Bridges
Empire Chemical Co.	113 Judge Rd., Toronto
Extra Bleach Co.	129 Tecumseth St., Toronto
Fairbanks Soap Co. Ltd.	353 Eastern Ave., Toronto
Fibre Soap Co.	Bolton
Handee Janitor Supply Co.	Langstaff
Household Cleaners Ltd.	78 Titan Rd., Toronto 18
King, Robert, Chemical Corp. of Canada Ltd., The	106 Fenmar Rd., Weston
Knox-All Specialities	Norham
Lealst, F.C., Products	20 Dundurn St. S., Hamilton
Lever Brothers Ltd.	299 Eastern Ave., Toronto
London Chemical Co.	422 Woodman Ave., London
London Soap Co. Ltd.	197 - 205 South, London
Luster-Sheen Laboratories	58 Ewen Rd., Hamilton
McCarney Products	Rear 962 Bathurst St., Toronto

List of Establishments classified to this Industry, 1965 - Concluded

Name	Location
Ontario - Concluded:	
McGillivray, A., Chemicals Ltd.	Scott Ave., Paris
McKague Chemical Co. Ltd.	100 Midwest Rd., Scarborough
Mack's Laundry Specialty Co.	179 Reserve St., Almonte
Magic White Ltd.	187 Parliament St., Toronto
Marvelene Co.	10 East Ave. N., Hamilton
Merit Chemical Ltd.	Brockport Rd. and Highway 27, Rexdale
Metasurf Canada Ltd.	3950 Maldem Rd., Windsor
Numite Products Ltd.	Cottam
Oakite Products of Canada Ltd.	115 East Drive, Brampton
Ontario Chemicals Co. Ltd.	51 Clarkson Ave., Toronto
Page Brothers Products Ltd.	18 Sheard Ave., Brampton
Process Salvem Co. Ltd.	50 - 52 Metcalfe St., Toronto
Proctor and Gamble Co. of Canada Ltd., The	Burlington St. E., Hamilton
Purex Corporation Ltd.	44 Clayson Rd., Weston
Purity Bleach Co.	1328 Langlois Ave., Windsor
Sani-Bleach Co.	324 Cope St., Hamilton
Sep-Ko Chemicals of Canada Ltd.	1703 Mattawa Ave., Cooksville
Snow White Sales	156 Cameron Ave. S., Welland
Steril Products	2353 Moy Ave., Windsor
Swift Canadian Co. Ltd.	16 Fountain St. W., Guelph
Taylor Soaps-Perfumes Ltd.	30 Kern Rd., Don Mills
Thayer Perfumer Ltd.	112 Sinnott Rd., Scarborough
Tre-Stelle Bleach	69 Brisbane Rd., Downsview
Whitehouse Soaps and Chemicals	25 Malley Rd., Scarborough
Wilco Chemical Co. (Canada) Ltd.	48 - 66 Alice St., Brantford
Witty Chemical Mfg. Co.	645 King St. E., Toronto
Wyandotte Chemicals of Canada Ltd.	41 Metropolitan Rd., Scarborough
Manitoba:	
Beaver Soaps Ltd.	1377 Winnipeg Ave., Winnipeg
Central Mandate Ltd.	333 Sutherland Ave., Winnipeg
Domtar Consumer Products Ltd., (Javex Div.)	835 Merion St., Winnipeg
Empire Soap Co. Ltd.	594 des Meurons St., St. Boniface
Fawn Products Co. Ltd.	360 Princess St., Winnipeg
Ross Sales Ltd.	1098 Selkirk Ave., Winnipeg
Swano Soap Company	598 Washington Ave., East Kildonan
Saskatchewan:	
Dazzle Products Ltd.	216 Pacific Ave., Saskatoon
Alberta:	
Diversey Corporation (Canada) Ltd.	5544-5th St. E., Calgary
Dominion Brokerage Ltd.	10561-111th St., Edmonton
Domtar Consumer Products Ltd., (Javex Div.)	12020-142nd St., Edmonton
Ostrem Chemical Co.	3625-93rd St., Edmonton
Savage Products Ltd.	1604-38th Ave. S.E., Calgary
British Columbia:	
B.C. Fluff Rug Co.	2635 West 4th Ave., Vancouver
Canada Grease Works Ltd.	1106 Boundary Rd., Burnaby
Canadian Miraclean Products Ltd.	253 No. 5 Rd., Richmond
Chase-It Mfg. Co. Ltd.	230 Brunette St., New Westminster
Deep Chemicals Ltd.	1010 Clark Drive, Vancouver
Domtar Consumer Products Ltd., (Javex Div.)	Stewart and Victoria Dr., Vancouver
Harvan Chemicals Laboratories Ltd.	419 Vanguard Rd., Richmond
Inlo Products Ltd.	833 Agnes St., New Westminster
Pacific Industries Ltd.	970 Malkin Ave., Vancouver
Savo-Lite Soap Co. (Div. Gordon Young (B.C.) Ltd.)	1924 Triumph St., Vancouver
Western Soap Co. Ltd.	1814 Pandora 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 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

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

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

The results of the Census are presented in some 135 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

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

Establishment

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

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

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

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

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

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

Head Offices and Auxiliary Units

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

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

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

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

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

Employees

(a) Production and related workers - Manufacturing activities

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

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

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

(c) Administrative and office employees

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

(d) Sales and distribution workers

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

(e) Total Employees

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

Working Owners or Partners

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

Salaries and Wages

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

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

Fuel and Electricity

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

Materials and Supplies

(a) Manufacturing activities

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

(b) Non-manufacturing activities

1. Purchases for re-sale as such

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

2. Other materials and supplies used

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

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

Shipments

(a) General

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

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

(b) Shipments of goods of own manufacture

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

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

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

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

(c) Shipments of goods not of own manufacture

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

(d) Other revenue

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

Inventories

(a) Manufacturing activities

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

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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