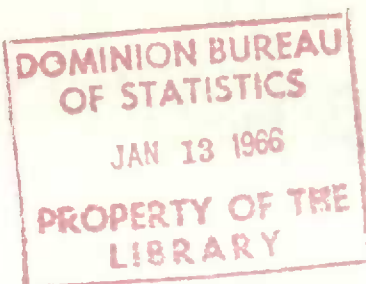


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ANNUAL



MANUFACTURERS OF
SOAP AND CLEANING COMPOUNDS
1963

ANNUAL CENSUS
OF MANUFACTURES

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PUBLICATIONS

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MANUFACTURERS OF SOAP AND CLEANING COMPOUNDS

1963

Data presented in this report under the heading of Manufacturers of Soap and Cleaning Compounds reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilations of industry statistics—see items “Standard Industrial Classification” and “Establishment” in the Explanatory Notes section of this report.

For statistical purposes the industry titled Manufacturers of 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, cleansers, washing powders and cleaning preparations including scouring powders and hand cleansers. This industry also includes establishments primarily engaged in manufacturing household laundry bleaches and bluing.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

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

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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	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													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1												
New Brunswick .....	...	349	738	1,096	147	6,762	14,977	8,182	22	73	912 ^f	4,008 ^f	8,850
Quebec	44												
Ontario	66	2,112	4,410	11,052	1,549	78,442	159,565	81,695	38	125	4,813 ^f	27,483 ^f	85,719
Manitoba	5	34	57	79	11	778	1,757	977	x	x	76	276	1,022
Saskatchewan	1												
Alberta	5	22	39	53	7	417	956 ^f	541	-	-	63 ^f	247 ^f	541
British Columbia	14	46	89	143	12	935	1,802	857	x	x	123 ^f	497 ^f	940
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
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													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...	...	...	...	...	...	98	19
New Brunswick	1	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	50	396	837	1,293	164	7,433	16,353	8,753	20	76	963	4,440	9,829
Ontario	64	2,047	4,410	11,160	1,595	75,904	158,813	81,515	29	105	4,671	28,100	86,227
Manitoba	5	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	1	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	7	24	50	72	14	569	1,732	1,147	-	-	79	354	1,155
British Columbia	11	44	90	144	11	1,115	1,709	585	2	8	120	535	698
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	139	2,544	5,454	12,764	1,795	88,008	180,530	93,033	52	190	5,958	33,972	99,383

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

Size group	Estab- lish- ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
1962													
Under \$10,000	27	5	5	7	3	51	146	92	25	57	10	17	101
\$ 10,000 to \$ 24,999	14	6	7	10	4	98	220	118	15	53	16	36	125
25,000 " 49,999	19	29	46	81	8	327	705	368	12	58	51	158	378
50,000 " 99,999	19	72	139	227	21	672	1,317	624	8	34	122	405	691
100,000 " 199,999	21	160	287	448	46	1,660	3,201	1,497	5	15	297	1,067	1,680
200,000 " 499,999	10	104	198	293	44	1,262	2,989	1,701	-	-	251	1,081	2,224
500,000 " 999,999	9	183	395	617	78	2,479	5,995	3,458	-	-	377	1,909	3,964
1,000,000 " 4,999,999	13	426	920	1,712	334	14,337	29,112	14,808	-	-	837	3,817	15,367
5,000,000 and over	4	1,578	3,336	9,032	1,187	66,447	135,371	69,591	-	-	3,186 ^r	19,120 ^r	72,585
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	840 ^r	4,901 ^r	(42)
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													
Under \$10,000	24	2	4	4	--	44	117	73	21	43	6	10	73
\$ 10,000 to \$ 24,999	16	5	10	11	--	113	246	134	11	50	16	42	134
25,000 " 49,999	21	34	62	102	8	400	764	357	12	49	66	207	395
50,000 " 99,999	16	56	116	156	16	624	1,159	519	8	47	90	286	555
100,000 " 199,999	19	106	212	340	68	1,562	2,689	1,146	-	-	201	749	1,697
200,000 " 499,999	13	150	284	433	56	2,087	4,063	2,172	-	-	295	1,225	2,547
500,000 " 999,999	12	199	424	690	88	3,812	8,080	4,201	-	-	462	2,370	5,409
1,000,000 " 4,999,999	14	465	1,023	1,937	382	14,465	30,823	16,012	-	-	894	4,286	16,703
5,000,000 and over	4	1,527	3,320	9,093	1,176	62,901	132,588	68,421	-	-	3,091	19,642	71,868
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	837	5,154	1
Totals	139	2,544	5,454	12,764	1,795	86,008	180,530	93,033	52	190	5,958	33,972	99,383

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

Size group	Estab- lish- ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
1962													
Under \$10,000	37	8	6	10	5	131	294	159	33	88	21	44	174
\$ 10,000 to \$ 24,999	24	37	59	99	12	419	857	419	20	85	64	189	435
25,000 " 49,999	21	84	164	262	26	948	1,715	750	7	29	141	485	816
50,000 " 99,999	17	143	243	397	44	1,367	2,633	1,221	5	15	278	1,023	1,483
100,000 " 199,999	8	83	160	219	31	836	1,818	967	-	-	140	517	979
200,000 " 499,999	11	167	360	578	73	2,509	6,373	3,804	-	-	435	2,230	4,744
500,000 " 999,999	9	235	517	824	142	7,322	13,954	6,603	-	-	354	1,449	7,038
1,000,000 " 4,999,999	6	279	594	1,208	239	9,809	21,075	11,329	-	-	650	3,061	11,470
5,000,000 and over	3	1,527	3,229	8,827	1,154	63,992	130,338	66,999	-	-	3,064 ^r	18,612 ^r	69,976
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	840 ^r	4,901 ^r	(42)
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													
Under \$10,000	40	8	14	15	1	321	517	183	27	68	27	64	190
\$ 10,000 to \$ 24,999	24	39	74	116	7	514	920	399	17	74	67	212	429
25,000 " 49,999	21	87	179	270	65	1,084	1,914	764	8	48	148	502	862
50,000 " 99,999	10	72	144	208	20	920	1,582	722	-	-	127	453	1,192
100,000 " 199,999	13	174	328	493	57	2,220	4,142	1,873	-	-	314	1,233	2,283
200,000 " 499,999	12	163	354	603	84	3,207	7,123	4,032	-	-	443	2,388	5,247
500,000 " 999,999	8	173	382	638	105	4,172	10,726	6,413	-	-	280	1,386	6,639
1,000,000 " 4,999,999	8	356	772	1,541	308	13,825	26,525	12,499	-	-	742	3,446	12,974
5,000,000 and over	3	1,472	3,207	8,881	1,148	59,679	127,080	66,128	-	-	2,973	19,133	69,388
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	837	5,154	1
Totals	139	2,544	5,454	12,764	1,795	86,008	180,530	93,033	52	190	5,958	33,972	99,383

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				Total value added
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1962													
Under \$10,000	36	8	6	10	4	129	288	155	33	88	19	39	163
\$ 10,000 to \$ 24,999	24	36	57	95	12	400	817	399	19	79	60	173	417
25,000 "	21	71	139	206	25	929	1,675	734	8	35	127	420	752
50,000 "	16	119	229	369	35	1,182	2,317	1,097	5	15	206	801	1,210
100,000 "	9	95	173	271	38	960	2,024	1,041	-	-	171	683	1,133
200,000 "	9	144	289	440	53	1,958	4,716	2,716	-	-	299	1,301	3,006
500,000 "	12	284	616	999	165	7,974	15,806	7,782	-	-	551	2,523	8,987
1,000,000 "	6	279	594	1,208	239	9,809	21,075	11,329	-	-	650	3,061	11,470
5,000,000 and over	3	1,527	3,229	8,827	1,154	63,992	130,338	66,999	-	-	3,064 ^f	18,612 ^f	69,976
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	840 ^f	4,901 ^f	(42)
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													
Under \$10,000	39	5	10	10	1	286	472	174	27	68	21	52	174
\$ 10,000 to \$ 24,999	23	39	72	109	7	509	883	367	16	68	60	181	376
25,000 "	20	66	132	194	18	896	1,625	710	8	46	126	423	744
50,000 "	10	82	173	252	65	884	1,494	584	1	7	119	410	688
100,000 "	11	102	182	316	37	1,403	2,844	1,402	-	-	208	901	1,503
200,000 "	13	197	417	620	79	3,465	6,400	3,201	-	-	372	1,565	4,095
500,000 "	12	225	489	840	132	5,060	13,206	7,969	-	-	500	2,707	9,442
1,000,000 "	8	356	772	1,541	308	13,825	26,525	12,499	-	-	742	3,446	12,972
5,000,000 and over	3	1,472	3,207	8,881	1,148	59,679	127,080	66,128	-	-	2,973	19,133	69,388
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	837	5,154	1
Totals	139	2,544	5,454	12,764	1,795	86,008	180,530	93,033	52	190	5,958	33,972	99,383

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				Total value added
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1962													
Under 5 employed	61	41	63	108	17	553	1,208	638	51	161	74	209	657
5 - 14 employed	31	129	254	394	44	1,902	3,720	1,786	14	55	232	852	1,847
15 - 49 "	27	360	705	1,118	132	6,544	14,377	7,765	-	-	630	2,635	8,411
50 - 99 "	11	317	691	1,153	174	8,118	16,780	8,646	-	-	664	3,035	9,778
100-199 "	3	189	390	824	206	6,225	12,634	6,417	-	-	483	2,268	6,446
200-499 "	-	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over	3	1,527	3,229	8,827	1,154	63,992	130,338	66,999	-	-	3,064 ^f	18,612 ^f	69,976
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	840 ^f	4,901 ^f	(42)
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													
Under 5 employed	65	47	91	141	12	967	1,720	731	47	162	77	239	736
5 - 14 employed	30	152	323	484	97	2,498	5,393	2,798	5	27	263	937	3,433
15 - 49 "	25	333	681	1,114	149	7,231	14,585	7,525	-	-	595	2,635	8,388
50 - 99 "	13	382	772	1,306	182	8,903	18,441	9,407	-	-	761	3,667	10,829
100-199 "	3	178	380	839	208	6,730	13,312	6,445	-	-	452	2,207	6,608
200-499 "	-	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over	3	1,472	3,207	8,881	1,148	59,679	127,080	66,128	-	-	2,973	19,133	69,388
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	837	5,154	1
Totals	139	2,544	5,454	12,764	1,795	86,008	180,530	93,033	52	190	5,958	33,972	99,383

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

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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1962													
Individual ownerships	46	43	70	112	19	488	1,041	536	49	172	66	176	550
Partnerships	6	3	3	5	2	93	188	94	16	44	5	14	95
Incorporated companies	84	2,517	5,260	12,308	1,705	86,752	177,827	91,621	...	...	5,076 ^f	27,422 ^f	96,469
Cooperatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	840 ^f	4,901 ^f	(42)
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													
Individual ownerships	42	41	81	126	15	518	1,045	511	41	145	61	186	573
Partnerships	7	2	4	3	-	94	154	61	11	45	2	3	61
Incorporated companies	90	2,501	5,369	12,636	1,780	85,396	179,331	92,461	...	...	5,058	28,629	98,749
Cooperatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	837	5,154	1
Totals	139	2,544	5,454	12,764	1,795	86,008	180,530	93,033	52	190	5,958	33,972	99,383

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
\$'000						
Output						
1. Shipments and other revenue	179,057	180,530	20,299	22,778	199,356	203,308
Inventories - Goods of own manufacture:						
Add closing - Goods in process	1,643	1,961	...	...	1,643	1,961
Finished goods	13,573	13,461	...	...	13,573	13,461
Less opening - Goods in process	1,931	1,634	...	...	1,931	1,634
Finished goods	11,032	13,483	...	...	11,032	13,483
2. Net inventory change	2,253	305	...	...	2,253	305
3. Gross output (1 + 2)	181,310	180,835	20,299	22,778	201,609	203,613
Input						
4. Purchases of goods not of own manufacture .....	...	...	13,949	15,136	13,949	15,136
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	2,308	1,783	2,308	1,783
Less closing .....	...	...	1,703	1,524	1,703	1,524
5. Cost of goods sold (not of own manufacture) .....	...	...	14,554	15,395	14,554	15,395
6. Materials, supplies, components and semi-processed goods	87,333	86,008	924	1,032	88,257	87,040
7. Fuel and electricity	1,726	1,795	...	...	1,726	1,795
8. Gross input (5 + 6 + 7)	89,059	87,803	15,478	16,427	104,537	104,230
Census value added (3-8)	92,251	93,033	4,821	6,351	97,072	99,383

TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total employees		Production and related workers		Admin- istrative and office	Sales and distrib- ution	Total salaries and wages
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufact- uring	Other			
	Male	Female	Male	Female											
	number										\$'000				
1962															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Brunswick	284	65	4	1	193	71	248 ^f	46 ^f	729 ^f	183 ^f	1,096	11	1,391	4,008 ^f	
Quebec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ontario	1,713	399	55	14	1,455	603	482 ^f	92 ^f	3,705 ^f	1,108 ^f	11,052	343	12,793	27,483 ^f	
Manitoba	30	4	-	-	9	4	22	7	61	15	79	-	52	276	
Saskatchewan	-	-	-	-	2	-	-	-	2	-	-	-	6	6	
Alberta	16	6	-	-	7	4	23 ^f	5 ^f	46 ^f	15 ^f	53	-	41	241 ^f	
British Columbia	36	10	-	-	17	6	40 ^f	14 ^f	93 ^f	30 ^f	143	-	98	497 ^f	
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	2,079	484	59	15	1,683	688	815	164	4,636	1,351	12,424	354	14,382	32,512	
1963															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia .....	...	...	...	...	...	...	14	5	14	5	...	...	...	98
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Quebec	323	73	-	-	199	82	252	34	774	189	1,293	-	1,569	4,440	
Ontario	1,645	402	47	15	1,436	574	478	74	3,606	1,065	11,160	310	13,367	28,100	
Manitoba	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Saskatchewan	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Alberta	18	6	-	-	8	7	35	5	61	18	72	-	59	354	
British Columbia	31	13	-	-	17	6	39	14	87	33	144	-	110	535	
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	2,046	498	47	15	1,677	672	857	146	4,627	1,331	12,764	310	15,186	33,972	

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

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January	1,756	386	1,848	413
February	1,821	454	1,858	448
March	1,814	461	1,820	431
April	1,818	424	1,854	402
May	1,858	417	1,845	424
June	1,878	442	1,881	481
July	1,833	415	1,910	480
August	1,825	489	1,879	494
September	1,887	510	1,837	522
October	1,894	509	1,870	534
November	1,910	444	1,835	479
December	1,826	426	1,807	464
Average for establishments reporting monthly detail (collected only for large establishments) ..	1,837	442	1,853	466
Average for small establishments (only annual averages collected)	242	42	193	32
Average for all establishments	2,079	484	2,046	498

TABLE 4. Industry Inventories,¹ 1963

Province	Manufacturing				Non-manufacturing	Total Inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...
New Brunswick	x	-	x	x	-	x
Quebec	845	28	468	1,342	305	1,646
Ontario	9,646	1,605	12,969	24,220	1,471	25,692
Manitoba	x	-	x	x	-	x
Saskatchewan	x	-	x	x	-	x
Alberta	58	-	45	103	8	110
British Columbia	129	1	79	210	-	210
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	10,801	1,634	13,598	26,033	1,783	27,816
Closing:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...
New Brunswick	x	-	x	x	-	x
Quebec	921	23	471	1,415	294	1,709
Ontario	9,426	1,936	12,839	24,201	1,221	25,422
Manitoba	x	-	x	x	-	x
Saskatchewan	x	-	x	x	-	x
Alberta	58	-	43	101	9	109
British Columbia	146	1	82	229	-	229
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	10,710	1,961	13,577	26,249	1,524	27,773

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

Description	1962		1963	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	75	248	3
(b) Imported	"	41,059	34,296	333
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	354	359	5
Lignite coal	"	-	-	-
Coke	"	-	-	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	239,989	253,826	103
Fuel oil including kerosene or coal oil	"	3,476,798	3,875,110	344
Wood	cord	12	11	--
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	67,138	72,881	15
(b) Other manufactured gas	M cu.ft.	-	-	-
(c) Natural gas	"	607,906	729,076	291
Other fuel		-	-	-
Electricity purchased	kwh.	56,959,201	58,292,403	495
Steam purchased .....		...	...	114
2. Estimate for small establishments:				
Fuel and electricity .....		...	...	83
3. All establishments:				
Total fuel and electricity used .....		...	...	1,726

¹ The difference between figures in Table 4 and those in Table 2 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 2. See also "Concepts and definitions" for explanation of other variances.

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

Description	1962		1963	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Acid, cresylic	lb. 49,400	7	52,486	8
Acid, oleic	" 103,667	19	140,981	25
Acid, stearic	" 870,440	132	1,036,747	162
Acids, fatty, other	" 2,089,888	229	1,933,143	239
Acid, hydrochloric (muriatic)	" 606,673	20	783,792	26
Acid, sulphuric, including oleum (as 100% acid)	" 35,029,573	513	33,152,107	454
Bentonite (filtrol, Pembina, etc.)	ton 2,160	123	1,452	116
Borax	lb. 1,262,139	59	469,833	23
Chalk, ground	" 101,496	1	69,160	1
Chalk, precipitated	" 1,730	--	3,520	--
Chloride of lime	" 156,208	8	115,100	7
Ethanolamines (mono, di, tri)	" 501,250	132	1,185,977	322
Ethyl alcohol	gal. 554,958	547	447,814	433
Feldspar, crude	ton 883	15	537	9
Fuller's earth	" 90	9	72	6
Glycerine, crude	lb. 4,993,199	736	7,584,599	973
Glycerine, refined	" 14,897	5	568,986	130
Isopropyl alcohol	" 303,931	28	390,879	38
Javelle concentrate or sodium hypochlorite, for dilution	" ..	159	"	185
Lanolin	lb. 18,231	9	21,474	11
Liquid chlorine (99% pure)	" 9,360,480	374	10,623,724	389
Oils:				
Cocoonut	" 28,620,624	3,411	19,141,189	2,585
Essential	" ..	1,609	"	1,798
Linseed	gal. 17,237	21	7,286	14
Palm kernel	lb. 3,074,812	377	4,193,348	585
Tall	" 49,376	6	274,095	36
Other oils	" 131,738,732	13,764	116,987,336	12,480
Perfumes	" ..	455	"	364
Potassium hydroxide (caustic potash)	lb. 1,746,456	115	1,631,145	113
Resin	" 57,903	13	149,905	42
Silica sand	ton 15,044	250	14,950	257
Sodium carbonate (soda ash)	lb. 11,144,975	278	12,467,369	305
Sodium carboxymethylcellulose	" 1,397,461	340	1,371,059	304
Sodium hydroxide (caustic soda)	" 49,943,061	1,842	43,446,873	1,701
Sodium chloride (common salt)	" 4,633,149	41	4,941,551	45
Sodium silicate (including metasilicate)	" 24,069,366	554	24,193,735	603
Sodium tripolyphosphate	" 87,793,689	7,441	95,648,749	7,748
Talc	ton 61	6	63	7
Tallow, grease and other soap stocks	lb. 62,072,953	4,113	62,517,374	4,139
Tetrasodium pyrophosphate	" 854,430	81	1,621,308	146
Trichlorethylene	" 38,450	4	12,000	2
Trisodium phosphate	" 8,059,385	561	8,048,509	628
Wax:				
Carnauba	" 43,502	31	45,050	36
Other waxes	" 11,650	1	50,476	22
All other materials and components used ¹	" ..	20,765	"	20,111
2. Containers and other packaging materials and supplies used .....	...	25,454	...	25,580
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	1,197	...	1,647
4. Amount paid out to others for work done on materials owned by establishments .....	...	1,465	...	1,153
Totals .....	...	87,333	...	86,008

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$2,919,000 in 1962 and \$2,645,000 in 1963.

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

Description	1962		1963	
	Quantity pounds	Value \$'000	Quantity pounds	Value \$'000
I. Products:				
Hard soaps:				
Bar laundry and household soaps (except sold to textile mills):				
Built	891,137	108	913,459	116
Not built	11,320,138	2,349	10,277,475	2,151
Soap chips and flakes:				
In household packages	2,527,855	713	2,350,602	644
In bulk (except textile and mill)	7,301,691	892	6,932,863	820
Toilet soaps (except liquid)	42,335,675	16,068	42,008,211	16,877
Castile soaps	318,879	65	278,578	54
Soap powders:				
In household packages	14,218,082	4,182	12,653,757	3,635
In bulk	10,590,127	1,462	10,536,172	1,456
Shaving soaps:				
Creams (including hrushless)	661,514	985	705,680	973
All other	104,390	98	91,584	88
Liquid soaps	6,254,556	869	6,538,387	947
Paste and jelly:				
Packaged in containers under 25 pounds	694,930	91	766,915	91
Bulk-containers over 25 pounds	4,424,699	419	4,434,308	432
All other soaps	203,362	22	381,742	116
Totals, soap	101,847,035	28,322	98,869,733	28,399
Synthetic detergents:				
Liquid (and pastes):				
Packaged (when in individual containers of less than 1 gallon)	56,890,463	19,059	60,657,746	18,895
Bulk (when in individual containers of 1 gallon or more) ¹	24,495,181	4,895	24,382,106	5,084
Solid (including bars, flake or powder):				
Packaged (bar or carton of 25 pounds or less)	62,986,853	43,006	171,181,222	42,238
Bulk (individual bars or cartons of more than 25 pounds)	23,517,856	3,988	35,219,005	6,458
Totals, detergents	267,890,347	70,948	291,440,079	72,675
Cleaning preparations:				
Ammonia powder	606,550	65	205,554	27
Mechanics' hand soaps and pastes	2,660,729	370	2,247,003	346
Javelle water or sodium hypochlorite .....	..	12,079	..	12,514
Other washing compounds ² .....	..	4,204	..	4,236
Scouring powders, pastes and cakes	51,997,484	9,436	51,858,947	9,669
Drain pipe cleaner	2,586,608	801	2,553,131	945
Other cleaning preparations:				
Household and laundry, including lye .....	..	1,567	..	2,544
Industrial and other .....	..	3,830	..	2,364
Glycerine, crude, sold as such ³	96,349	13	182,114	32
Glycerine, refined:				
B.P. and U.S.P. grade	5,423,575	1,441	5,289,382	1,256
Dynamite grade	1,644,749	427	1,698,950	403
Other grades	3,326,024	860	4,098,091	962
Toilet preparations .....	...	15,240	...	16,434
All other products .....	...	33,484	...	31,407
2. Amount received in payment for work done on materials and products owned by others .....	...	54	...	189
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(4,087)	...	(3,872)
Net adjustment for establishments receiving progress payments	-	-	-	-
Total adjusted value of shipments and work done .....	...	179,057	...	180,530

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 softener, 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: Margarine, Catalogue No. 32-005; Oils and Fats, Catalogue No. 32-006; Vegetable Oil Mills, Catalogue No. 32-223.

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries:
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Soaps and Cleaning Compounds, 1962 and 1963

Description	1962		1963	
	Quantity	Value	Quantity	Value
	pounds	\$'000	pounds	\$'000
Hard soaps:				
Bar laundry and household soaps:				
Built	891,000	108	913,000	116
Not built	11,320,000	2,349	10,277,000	2,151
Soap chips and flakes:				
In household packages	2,528,000	713	2,351,000	644
In bulk (except textile and mili) ¹	7,302,000	892	6,933,000	820
Toilet soaps (except liquid)	45,732,000	17,726	45,721,000	18,643
Castile soaps	319,000	65	279,000	54
Soap powders:				
In household packages	14,218,000	4,182	12,654,000	3,635
In bulk	10,590,000	1,462	10,536,000	1,456
Shaving soaps:				
Creams:				
Lather type	1,014,000	1,396	998,000	1,298
Brushless type	613,000	730	1,008,000	781
All other	245,000	348	231,000	340
Liquid soaps	13,341,000	2,428	12,280,000	2,502
Paste and jelly	5,526,000	319	5,617,000	563
All other soaps	1,955,000	558	3,658,000	609
Totals, soaps	115,794,000	33,276	113,456,000	33,612
Ammonia powder	607,000	65	206,000	27
Javelle water .....	...	12,079	...	12,520
Mechanics' hand soaps and pastes	3,703,000	579	3,317,000	556
Cleaning or scouring powders, pastes and cakes:				
Abrasive type	37,522,000	5,719	38,308,000	6,274
Other type	14,540,000	3,739	13,631,000	3,439
Toilet bowl cleaners, including toilet flush	6,079,000	1,112	6,924,000	1,140
Drain pipe cleaner	2,927,000	923	2,978,000	1,068
Other washing compounds and cleaning preparations .....	...	16,441	...	17,403
Glycerine, crude²	208,000	31	336,000	55
Glycerine, refined:				
B.P. and U.S.P. grades	5,524,000	1,466	5,327,000	1,266
Dynamite grade	1,645,000	427	1,699,000	403
Other grades	4,901,000	1,253	5,887,000	1,391
Synthetic detergents	279,202,000	73,572	307,494,000	75,229

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, 1958-1963

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
1958	136,676,000	33,588	198,324,000	57,474	335,000,000	91,062
1959	130,496,000	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

List of Establishments classified to This Industry, 1963

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

Name	Location
New Brunswick:	
Javex Co. (Divn. of Domtar Consumer Products Ltd.).....	P.O. Box 5, Baig Blvd., Moncton
Quebec:	
Best Kosher Products.....	273 Laurier Ave. W., Montreal 8
Bon Ami Ltd.	13719 Notre Dame St. E., Pointe-aux-Trembles
Canadian Cosmetic Products.....	2710 Centre St., Montreal
Canadian Industrial Sanitation Ltd.	4020 Richelieu St., Montreal
Canadian Permag Products Ltd.	300 Arran Ave., St. Lambert
Chabot, Léopold	Herbertville Station
Chanteclerc Ltée	85, Ave. des Épinettes-Ouest, Quebec
Chem-Klenz Inc.	8366, boul. St-Laurent, Montreal
Chemotec Ltd.	7988-16th Ave., Ville-St-Michel
Dalzy Inc.	8642-10ième Ave., Ville-St-Michel
Daklite Products Ltd.	2010 St. Lawrence Blvd., Montreal
Darling and Brady Ltd.	1971 Richardson St., Montreal
Deversey Corporation (Canada) Ltd., The.....	8365 Labarre St., Montreal
Douglas Chemical Co., Ltd.	3800 Lesage St., Verdun
Duo-Chemical Co., Ltd.	1101 Victoria St., St. Lambert
Eau de Javelle Drummond	1-11th Ave., Drummondville
Eau de Javelle Marquise Enr.	107, rue St-Michel, Beauport-Ouest
Eau de Javelle Suprême	4039 Newmarch St., Verdun
Economic Products Ltd.	3800 Lesage St., Verdun
Fleur de Lyse Nationale	231, rue Bagot, Quebec 8
Fyon and Fyon, Ltd.	5357 Papineau Ave., Montreal
Handy Chemicals Ltd.	225 St-Denis Ave., St. Lambert
Hart Products Reg'd.	9 Brook Ave., Montreal 6
Javellex Co.	372, rue Larivière, Rouyn
Javex Co. (Divn. of Domtar Consumer Products Ltd.).....	960 Outremont Ave., Outremont
Jumbo Javel Water Reg'd.	440 Galt St., Verdun
La Compagnie Lavo Ltée.	1880 Chambly St., Montreal
L'Eau de Javelle Canadienne Nationale	3932, rue Bannantyne, Verdun
Les Produits Nor-Do	5210, rue Resther, Montreal
McKague Chemicals (Eastern) Ltd.	421 Courtemanche Ave., Montreal E.
Miller, F.D., and Co. Ltd.	45 Ann St., Montreal
Mirec Reg'd.	Rang St-Jean-Baptiste, Chicoutimi
Mus-Hav-Cleanser Co.	11930, rue Racette, Montreal
Myriad Detergent Inc.	44, rue Dorchester, Quebec 7
Produits Shin-Ex Enr.	5045, rue Turcot, Montreal
Produits V-To	748, rue Centrale, St-Joseph
Pursseil, Chas., Reg'd.	165 Mount Vernon, Ville-St-Pierre
Rolax Cleaner Co.	5140-8th Ave., Rosemont, Montreal 36
Rowe, Robert, Co. Inc.	5740 Hamilton St., Montreal
Savon Majestic Ltée.	1893, rue Moreau, Montreal
Savonnerie, B.L., Enr.	421, rue de la Montagne, St-Tite
Seward Soap Co. (1961) Ltd.	1971 Richardson St., Montreal
Siz Va Sol Cie Ltée.	811 Larocque St., Scotstown
Snap Manufacturing Ltd.	9680 St. Lawrence Blvd., Montreal 12
Soleil Enr.	415, rue Visitation, Joliette
Texavon Chemical Co. Ltd.	85 A Vitre St. W., Montreal 1
United Chemical Co. Ltd.	3830 St. Ambroise St., Montreal
Vita Lava Enr.	340 Joly St., Quebec
Vitex	6918 Querbes St., Montreal 15
Williams, J.B., Co. (Canada) Ltd., The.....	9471 La Salle Blvd., Ville-La-Salle
Ontario:	
Admiral Sanitation Ltd.	115 Crockford Blvd., Scarborough
Associated Chemical Co. of Canada Ltd.	40 Barlor Rd., Weston
Astra Soap and Wax Ltd.	3 Thora Ave., Scarborough
Atlas Chemical Co. Ltd.	38 McGee St., Toronto 8
Auto Chemicals Ltd.	99 Kenhar Dr., Weston
Bear Chemicals Co.	145 Vine St., Toronto 9
Bernie's Suds Co.	982 Pape Ave., Toronto
Brillo Mfg. Co. (Canada) Ltd.	112 Sinnott Rd., Scarborough
Canada Packers Limited	525 Front St. E., Toronto
Chamberlain Desolvo Co.	522 Hamilton Rd., London
Chemical Developments of Canada Ltd.	Langford Mills
Colgate-Palmolive Ltd.	64 Colgate Ave., Toronto 8
Copeland Laboratories Ltd.	46 Brodon Drive, Rexdale
Crystal Chemicals Ltd.	124 Manville Rd., Scarborough
Crystalline Chemical Co.	Aylmer
Diamond Cleanser and Soaps	120-26th St., Toronto 14
Dick A.C.	299-1st Ave. N., Welland
Diversey Corporation (Canada) Ltd.	Clarkson
Douglas-Hogarth Co.	537 West St. (R.R. 5), 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 18
Efort Mfg. Co., The.....	Mount Bridges
Empire Chemical Co.	113 Judge Rd., Toronto 18
Fairbanks Soap Co. Ltd.	353 Eastern Ave., Toronto
Fibre Soap Co.	Bolton
Household Cleaners Ltd.	78 Titan Rd., Toronto 18
Huntington Laboratories Ltd.	15 Victoria Crescent, Brampton
Javex Co. (Divn. of Domtar Consumer Products Ltd.).....	99 Vanderhoof Ave., Toronto 17
Klean-ez Co.	2172 Mc Dougall St., Windsor
Knox-All Specialties	Norham
Lavoline Cleanser Ltd.	955 Eastern Ave., Toronto 7
Lawrason, S.F., and Co. Ltd.	180 Adelaide St. S., London
Leaist, F.C., Products.....	20 Dundurn St. S., Hamilton
Leeds Soaps Ltd.	27 Newcastle St., Toronto 18

List of Establishments classified to This Industry, 1963 - Concluded

Name	Location
Ontario - Concluded:	
Lever Brothers Ltd.	299 Eastern Ave., Toronto
London Soap Co. Ltd.	197-205 South, London
Luster-Sheen Laboratories	58 Ewen Rd., Hamilton
McCamey Products	Rear 962 Bathurst St., Toronto 4
McGillivray, A., Chemicals Ltd.	Scott Ave., Paris
McKague Chemical Co. Ltd.	100 Midwest Rd., Scarborough
McKaye Packing Ltd.	Brockport Rd. and Hwy. 27, Rexdale
Mack's Laundry Specialty Co.	179 Reserve St., Almonte
Magic White Ltd.	187 Parliament St., Toronto
Marvelene Co.	10 East Ave. N., Hamilton
Nelson, H.C., Chemicals Ltd.	1555 Kildare Rd., Windsor
Numite Products Ltd.	Cotton
Ontario Chemicals Ltd.	51 Clarkson Ave., Toronto 10
Page Brothers Products Ltd.	18 Sheard Ave., Brampton
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.	205 Birge St., Hamilton
Scrutin and Son Ltd.	54 Munro St., Hamilton
Snow White Sales	156 Cameron Ave. S., Welland
Steril Products	2353 Moy Ave., Windsor
Sunshine Bleach	276 Main St. W., Hamilton
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
Whitehouse Soaps and Chemicals	25 Malley Rd., Scarborough
Whitco Chemical Co. (Canada) Ltd.	48-66 Alice St., Brantford
Witty Chemical Mfg. Co.	204 King St. E., Toronto 2
Wyandotte Chemicals of Canada Ltd.	41 Metropolitan Rd., Scarborough
Manitoba:	
Beaver Soaps Ltd.	1377 Winnipeg Ave., Winnipeg
Empire Soap Co. Ltd.	594 des Meurons St., St. Boniface
Javex Co. (Div. of Domtar Consumer Products Ltd.)	835 Marion St., Winnipeg
Ross Sales Ltd.	1098 Selkirk Ave., Winnipeg 14
Soap 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 2
Dominion Brokerage Ltd.	10561 - 111th St., Edmonton
Javex Co. (Div. of Domtar Consumer Products Ltd.)	12020 - 142nd St., Edmonton
Ostrem Chemical Co.	3625 - 93rd St., Edmonton
Savage Products Ltd.	1604 - 38th Ave. S.E., Calgary
Soapone Products Ltd.	12735 - 64th St., Edmonton
Super Dee Chemicals Co.	430 Meredith Rd., 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.	2130 Yew St., Vancouver 9
Harvan Chemicals Ltd.	419 Vanguard Rd., Richmond
Indo Products Ltd.	833 Agnes St., New Westminster
Javex Co. (Div. of Domtar Consumer Products Ltd.)	Stewart and Victoria Dr., Vancouver
Pacific Industries Ltd.	970 Malkin Ave., Vancouver
Savo-Lite Soap Co.	1924 Triumph St., Vancouver
Western Mandate Co.	1445 Powell St., Vancouver 6
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 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

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

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

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

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

Establishment

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

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

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

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

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

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

Head Offices and Auxiliary Units

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

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

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

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

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

Employees

(a) Production and related workers — Manufacturing activity

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

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

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

(c) Administrative and office employees

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

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

(d) Sales and distribution workers

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

(e) Total Employees

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

Working Owners or Partners

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

Salaries and Wages

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

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

Fuel and Electricity

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

Materials and Supplies

(a) Manufacturing activities

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

(b) Non-manufacturing activities

1. Purchases for re-sale as such

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

2. Other materials and supplies used

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

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

Shipments

(a) General

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

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

(b) Shipments of goods of own manufacture

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

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

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

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

(c) Shipments of goods not of own manufacture

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

(d) Other revenue

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

Inventories

(a) Manufacturing activities

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

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receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

(b) Non-manufacturing activities

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

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

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

(c) By Total activities

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