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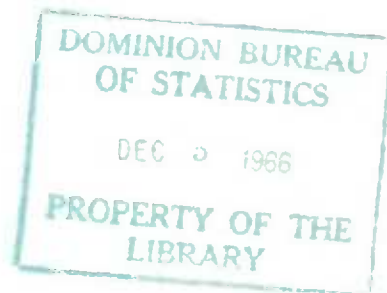
ANNUAL



MANUFACTURERS OF SOAP AND CLEANING COMPOUNDS

1964

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PUBLICATIONS

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A - Annual

O - Occasional

M - Monthly

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MANUFACTURERS OF SOAP AND CLEANING COMPOUNDS

1964

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 bluing.

Value of shipments and other revenue of the manufacturers of Soap and Cleaning Compounds industry totalled \$204 million. This amount included shipments of soaps, detergents, other washing compounds and cleaning preparations valued at \$135 million, shipments of other products (secondary products) valued at \$48 million, and other revenue of \$21 million.

This industry's shipments of soaps, detergents, other washings compounds and cleaning preparations represented 73.5 per cent of its manufacturing revenue. Secondary products shipped in 1964 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 \$2.5 million. Cost of materials and supplies, etc. (inputs) in 1964 represented 49.5 per cent of the value of shipments of own manufacture (outputs), compared to 48.5 per cent in 1963.

SYMBOLS

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

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

TABLE 1. Principal Statistics, 1961-64

Year and province	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000			\$'000	
1961													
Totals	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													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...	...	...	...	...	19 ^f	98	...
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	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	83	1,910	4,185	10,855	1,514	77,460	158,920	79,853	34	113	4,421	28,060	84,834
Manitoba	7	43	82	111	10	859	1,087	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

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

Size group	Estab- lish- ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000							\$'000		\$'000			
1963													
Under \$10,000	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 "	21	34	62	102	8	400	764	357	12	49	66	207	395
50,000 "	16	56	116	156	16	624	1,159	519	8	47	90	286	555
100,000 "	19	106	212	340	68	1,562	2,689	1,146	--	--	201	749	1,697
200,000 "	13	150	284	433	56	2,087	4,063	2,172	--	--	295	1,225	2,547
500,000 "	12	199	424	690	88	3,812	8,080	4,201	--	--	462	2,370	5,409
1,000,000 "	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
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 "	20	35	72	103	5	375	719	352	13	54	63	206	405
50,000 "	16	53	110	165	15	818	1,184	384	10	45	74	227	457
100,000 "	20	148	308	464	43	1,619	3,074	1,397	1	8	254	890	1,955
200,000 "	14	122	256	380	68	2,345	4,599	2,280	--	--	297	1,410	3,117
500,000 "	10	185	392	677	94	4,145	7,171	2,995	--	--	305	1,397	3,164
1,000,000 "	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	162,651	92,276	60	186	5,677	33,824	98,726

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

Size group	Estab- lish- ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000							\$'000		\$'000			
1963													
Under \$10,000	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 "	21	87	179	270	65	1,084	1,914	784	8	48	148	502	862
50,000 "	10	72	144	208	20	920	1,582	722	--	--	127	453	1,192
100,000 "	13	174	328	493	57	2,220	4,142	1,873	--	--	314	1,233	2,282
200,000 "	12	163	354	603	84	3,272	7,123	4,032	--	--	443	2,388	5,247
500,000 "	8	173	382	638	105	4,172	10,726	6,413	--	--	280	1,386	6,820
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
1964													
Under \$10,000	44	11	20	26	3	380	562	195	39	88	31	88	229
\$ 10,000 to \$ 24,999	24	51	102	150	14	662	1,069	409	19	86	70	211	488
25,000 "	14	46	100	142	12	807	1,248	458	2	12	97	328	552
50,000 "	16	135	275	407	38	1,511	2,629	1,079	--	--	215	797	1,513
100,000 "	11	148	311	469	67	2,482	4,004	1,482	--	--	233	906	1,896
200,000 "	12	151	328	583	92	3,350	6,768	3,436	--	--	358	1,815	4,030
500,000 "	7	133	268	513	71	4,442	10,114	5,657	--	--	220	1,145	5,939
1,000,000 "	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	162,651	92,276	60	186	5,677	33,824	98,726

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1963													
Under \$10,000	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 " 49,999	20	66	132	194	18	896	1,625	710	8	46	126	423	744
50,000 " 99,999	10	82	173	252	65	884	1,494	584	1	7	119	410	688
100,000 " 199,999	11	102	182	316	37	1,403	2,844	1,402	-	-	208	901	1,503
200,000 " 499,999	13	197	417	620	79	3,465	6,400	3,201	-	-	372	1,565	4,095
500,000 " 999,999	12	225	489	840	132	5,060	13,206	7,969	-	-	500	2,707	9,442
1,000,000 " 4,999,999	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
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	69,822
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

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1963													
Under 5 employed	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	362	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
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	-	-	575	2,917	10,667
100-199 "	3	183	391	865	212	7,831	13,746	5,884	-	-	454	2,360	6,099
200-499 "	-	-	-	-	-	-	-	-	-	-	-	-	-
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

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

Type of organization	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1963													
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
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
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
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

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
\$'000						
Output						
1. Shipments and other revenue	180,530	182,651	22,778	20,990	203,308	203,641
Inventories - Goods of own manufacture:						
Add closing - Goods in process	1,961	2,361	...	...	1,961	2,361
Finished goods	13,461	12,929	...	...	13,461	12,929
Deduct opening - Goods in process	1,634	1,879	...	...	1,634	1,879
Finished goods	13,483	13,501	...	...	13,483	13,501
2. Net inventory change	305	(90)	...	...	305	(90)
3. Gross output (1 + 2)	180,835	182,561	22,778	20,990	203,613	203,551
Input						
4. Purchases of goods not of own manufacture .....	...	...	15,136	15,556	15,136	15,556
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	1,783	1,445	1,783	1,445
Deduct closing .....	...	...	1,524	3,386	1,524	3,386
5. Cost of goods sold (not of own manufacture) .....	...	...	15,395	13,615	15,395	13,615
6. Materials, supplies, etc.	86,008	88,569	1,032	926	87,040	89,495
7. Fuel and electricity	1,795	1,717	...	...	1,795	1,717
8. Gross input (5 + 6 + 7)	87,803	90,286	16,427	14,541	104,230	104,827
Value added (3 - 8)	93,033	92,276	6,351	6,450	99,383	98,726

TABLE 8. Employment and Payroll, 1963 and 1964

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					
1963															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...	14	5	14	5	...	...	...	98	98
New Brunswick	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Quebec	323	73	-	-	199	82	252	34	774	189	1,293	-	1,569	1,577	4,440
Ontario	1,645	402	47	15	1,436	574	478	74	3,606	1,065	11,160	310	13,367	3,262	28,100
Manitoba	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Saskatchewan	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Alberta	18	6	-	-	8	7	35	5	61	18	72	-	59	224	354
British Columbia	31	13	-	-	17	6	39	14	87	33	144	-	110	280	535
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,046	498	47	15	1,677	672	857	146	4,627	1,331	12,764	310	15,186	5,712	33,972
1964															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...	13	5	13	5	...	...	...	108	108
New Brunswick	x	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	3,996
Ontario	1,541	369	35	16	1,443	564	399	54	3,418	1,003	10,855	254	13,919	3,031	28,060
Manitoba	38	5	-	-	13	3	32	11	83	19	111	-	75	242	428
Saskatchewan	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Alberta	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
British Columbia	29	12	-	-	16	6	47	13	92	31	140	-	114	352	606
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	33,824

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

Month	1963		1964	
	Male	Female	Male	Female
number				
Establishments reporting monthly detail (large establishments only):				
January	1,848	413	1,829	433
February	1,858	448	1,819	391
March	1,820	431	1,810	416
April	1,854	402	1,758	414
May	1,845	424	1,782	412
June	1,881	481	1,817	439
July	1,910	480	1,808	423
August	1,879	494	1,807	478
September	1,837	522	1,845	480
October	1,870	534	1,860	451
November	1,835	479	1,801	446
December	1,807	464	1,781	440
Averages	1,853	466	1,810	438
Establishments reporting annual averages (small establishments only)	193	32	158	25
Average for all establishments	2,046	498	1,968	463

TABLE 10. Inventories,¹ 1964

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...
New Brunswick	x	x	x	x	x	x
Quebec	766	22	624	1,411	294	1,705
Ontario	8,926	1,855	12,745	23,526	1,142	24,668
Manitoba	72	1	121	194	-	194
Saskatchewan	x	x	x	x	-	x
Alberta	x	-	x	x	x	x
British Columbia	130	1	118	248	-	248
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	9,978	1,879	13,732	23,588	1,445	27,033
Closing:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...
New Brunswick	x	x	x	x	x	x
Quebec	848	29	615	1,491	354	1,845
Ontario	7,920	2,331	12,207	22,457	3,019	25,478
Manitoba	83	--	130	213	-	213
Saskatchewan	x	x	x	x	-	x
Alberta	x	-	x	x	x	x
British Columbia	101	--	91	193	-	193
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	9,068	2,361	13,191	24,620	3,386	28,006

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

Description	1963		1964		
	Quantity	Cost	Quantity	Cost	
		\$'000		\$'000	
1. Large establishments reporting commodity detail:					
Bituminous coal:					
(a) From Canadian mines	ton	248	3	242	3
(b) Imported	"	34,296	333	32,558	311
Sub-bituminous coal (from Alberta mines only)	"	-	-	-	-
Anthracite coal	"	359	5	155	2
Lignite coal	"	-	-	-	-
Coke	"	-	-	-	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	253,826	103	238,279	97
Fuel oil including kerosene or coal oil	"	3,875,110	344	3,141,758	270
Wood	cord	11	--	30	--
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	72,881	15	90,284	17
(b) Other manufactured gas	M cu. ft.	-	-	-	-
(c) Natural gas	"	729,076	291	833,939	352
Other fuel		-	-	...	2
Electricity purchased	kwh.	58,292,403	495	57,664,155	496
Steam purchased .....		...	114	...	122
2. Small establishments not reporting commodity detail:					
Estimate for fuel and electricity .....		...	91	...	44
3. All establishments:					
Total fuel and electricity used .....		...	1,795	...	1,717

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, 1963 and 1964

Description	1963		1964	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Acid, cresylic	lb. 52,486	8	51,660	7
Acid, oleic	" 140,981	25	57,540	10
Acid, stearic	" 1,036,747	162	984,638	171
Acids, fatty, other	" 1,933,143	239	1,128,308	150
Acid, hydrochloric (muriatic)	" 783,792	26	519,545	16
Acid, sulphuric, including oleum (as 100% acid)	" 33,152,107	454	34,629,623	473
Bentonite (filtrol, Pembina, etc.)	ton 1,452	116	1,271	93
Borax	lb. 469,833	23	507,786	26
Chalk, ground	" 69,160	1	20,960	--
Chalk, precipitated	" 3,520	--	99,059	9
Chloride of lime	" 115,100	7	99,077	6
Ethanolamines (mono, di, tri)	" 1,185,977	322	1,280,669	338
Ethyl alcohol	gal. 447,814	433	641,877	539
Feldspar, crude	ton 537	9	521	10
Fuller's earth	" 72	6	83	8
Glycerine, crude	lb. 7,584,599	973	8,001,880	1,242
Glycerine, refined	" 568,986	130	591,509	160
Isopropyl alcohol	" 390,879	38	237,859	24
Javelle concentrate or sodium hypochlorite, for dilution	" ..	185	..	187
Lanolin	lb. 21,474	11	22,923	11
Liquid chlorine (99% pure)	" 10,623,724	389	13,670,001	463
Oils:				
Cocconut	" 19,141,189	2,585	16,308,055	2,419
Essential	" ..	1,798	..	1,623
Linseed	gal. 7,286	14	6,040	6
Palm kernel	lb. 4,193,348	585	4,013,632	581
Tall	" 274,095	36	231,209	27
Other oils	" 116,987,336	12,480	106,376,710	12,513
Perfumes	" ..	364	..	571
Potassium hydroxide (caustic potash)	lb. 1,631,145	113	1,399,531	104
Resin	" 149,905	42	82,540	25
Silica sand	ton 14,950	257	15,297	258
Sodium carbonate (soda ash)	lb. 12,467,369	305	11,847,950	294
Sodium carboxymethylcellulose	" 1,371,059	304	1,447,336	346
Sodium hydroxide (caustic soda)	" 43,446,873	1,701	55,963,370	1,961
Sodium chloride (common salt)	" 4,941,551	45	4,750,963	48
Sodium silicate (including metasilicate)	" 24,193,735	603	24,790,589	657
Sodium tripolyphosphate	" 95,648,749	7,748	100,707,057	8,042
Talc	ton 63	7	42	3
Tallow, grease and other soap stocks	lb. 62,517,374	4,139	58,085,137	4,524
Tetrasodium pyrophosphate	" 1,621,308	146	1,513,779	150
Trichlorethylene	" 12,000	2	5,948	1
Trisodium phosphate	" 8,048,509	628	8,046,554	596
Wax:				
Carnauba	" 45,050	36	22,465	14
Other waxes	" 50,476	22	59,393	21
All other materials and components used ¹ .....	...	20,111	...	21,736
2. Containers and other packaging materials and supplies used .....	...	25,580	...	25,190
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	1,647	...	1,530
4. Amount paid out to others for work done on materials owned by establishments .....	...	1,153	...	1,382
Totals .....	...	86,008	...	88,569

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$2,645,000 in 1963 and \$2,315,749 in 1964.

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

Description	1963		1964	
	Quantity	Value	Quantity	Value
	pounds	\$'000	pounds	\$'000
1. Products:				
Hard soaps:				
Bar laundry and household soaps (except sold to textile mills):				
Built	913,459	116	920,481	157
Not built	10,277,475	2,151	8,457,128	1,963
Soap chips and flakes:				
In household packages	2,350,602	644	1,855,421	534
In bulk (except textile and mill)	6,932,863	820	6,500,146	781
Toilet soaps (except liquid)	42,008,211	16,877	40,995,490	16,654
Castile soaps	278,578	54	235,680	45
Soap powders:				
In household packages	12,653,757	3,635	11,591,442	3,582
In bulk	10,536,172	1,456	10,268,697	1,406
Shaving soaps:				
Creams (including brushless)	705,680	973	822,870	1,080
All other	91,584	88		
Liquid soaps	6,538,387	947	4,559,168	473
Paste and jelly:				
Packaged in containers under 25 pounds	766,915	91	983,562	119
Bulk-containers over 25 pounds	4,434,308	432	5,355,306	523
All other soaps	381,742	116	1,300,000	200
Totals, soap	98,869,733	28,399	93,845,391	27,515
Synthetic detergents:				
Liquid (and pastes):				
Packaged (when in individual containers of less than 1 gallon)	60,657,746	18,895	64,697,650	19,428
Bulk (when in individual containers of 1 gallon or more) ¹	24,382,106	5,084	33,757,245	6,261
Solid (including bars, flake or powder):				
Packaged (bar or carton of 25 pounds or less)	171,181,222	42,238	179,980,494	44,428
Bulk (individual bars or cartons of more than 25 pounds)	35,219,005	6,458	41,338,015	7,021
Totals, detergents	291,440,079	72,675	319,773,404	77,138
Cleaning preparations:				
Ammonia powder	205,554	27	²	²
Mechanics' hand soaps and pastes	2,247,003	346	2,093,195	435
Javelle water or sodium hypochlorite .....	..	12,514	..	13,945
Other washing compounds ³ .....	...	4,236	...	4,257
Scouring powders, pastes and cakes	51,858,947	9,669	55,716,428	9,010
Drain pipe cleaner	2,553,131	945	2,586,120	875
Other cleaning preparations:				
Household and laundry, including lye .....	..	2,544	..	2,737
Industrial and other .....	..	2,364	..	1,505
Glycerine, crude, sold as such ⁴	182,114	32	146,966	24
Glycerine, refined:				
B.P. and U.S.P. grade	5,289,382	1,256	4,916,035	1,273
Dynamite grade	1,698,950	403		
Other grades	4,098,091	962		
Toilet preparations .....	...	16,434	...	16,588
All other products ⁵ .....	...	31,407	...	29,442
2. Amount received in payment for work done on materials and products owned by others .....	...	189	...	181
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(3,872)	...	(3,764)
Net adjustment for establishments receiving progress payments	-	-	-	-
Total adjusted value of shipments and work done .....	...	180,530	...	182,651

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 Confidential. Included in "Other washing compounds".

³ Includes sal soda, washing blue, liquid starch, fabric softener, etc.

⁴ Some of the crude glycerine was sold to refiners in this industry and therefore appears again in the figures for refined glycerine.

⁵ (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 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1963 and 1964

(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Soaps and Cleaning Compounds, 1963 and 1964

Description	1963		1964	
	Quantity	Value	Quantity	Value
	M. pounds	\$'000	M. pounds	\$'000
Hard soaps:				
Bar laundry and household soaps:				
Built	913	116	921	152
Not built	10,277	2,151	8,457	1,963
Soap chips and flakes:				
In household packages	2,351	644	1,855	534
In bulk (except textile and mill) ¹	6,933	820	6,500	781
Toilet soaps (except liquid)	45,721	18,643	44,808	18,510
Castile soaps	279	54	236	45
Soap powders:				
In household packages	12,654	3,635	11,591	3,582
In bulk	10,536	1,456	10,269	1,406
Shaving soaps:				
Creams:				
Aerosol ² .....	..	..	1,262	1,170
Lather type	998	1,298	1,118	1,266
Brushless type	1,008	781	235	244
All other	231	340	182	311
Liquid soaps	12,280	2,502	11,576	2,749
Paste and jelly	5,617	563	6,880	695
All other soaps	3,658	609	6,327	867
Totals, soaps	113,456	33,612	112,217	34,275
Ammonia powder	206	27	138	17
Javelle water .....	...	12,520	...	2,853
Mechanics' hand soaps and pastes	3,317	556	2,853	634
Cleaning or scouring powders, pastes and cakes:				
Abrasive type	38,308	6,274	42,092	5,649
Other type	13,631	3,439	13,702	3,384
Toilet bowl cleaners, including toilet flush	6,924	1,140	5,755	1,360
Drain pipe cleaner	2,978	1,068	2,853	741
Other washing compounds and cleaning preparations .....	...	17,403	...	18,505
Glycerine, crude ³	336	55	288	45
Glycerine, refined:				
B.P. and U.S.P. grades	5,327	1,266	5,967	1,506
Dynamite grade	1,699	403	1,009	310
Other grades	5,887	1,391	6,515	1,637
Synthetic detergents	307,494	75,229	344,117	81,504

¹ Includes some liquid and soft soaps.

² New breakdown in 1964.

³ 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, 1959-1964

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	39,275	344,117,000	81,504	456,334,000	115,779

List of Establishments classified to This Industry, 1964

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

Name	Location
New Brunswick:	
Dolcros Industries Ltd.	5 Seaton St., St. John
Javax Co. (Divn. of Domtar Consumer Products Ltd.)	P.O. Box 5, Baig Blvd., Moncton
Star Industries Ltd.	323 Collishaw St., Moncton
Quebec:	
Best Kosher Products	273 Laurier Ave. W., Montreal
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 Epinettes-Ouest, Quebec
Chem-Klenz Inc.	8366, boul. St-Laurent, Montréal
Chemotec Ltd.	7988 - 16th Ave., Ville-St-Michel
Daizy Inc.	St. Paul L'Ermite
Daklite Products Ltd.	2010 St. Lawrence Blvd., Montreal
Diversey Corporation (Canada) Ltd., The	8365 Labarre St., Montreal
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
Fyon and Fyon Ltd.	5357 Papineau Ave., Montreal
H.F. Chemicals and Paint Mfg.	101 Ste-Agathe Lane, Montreal
Handy Chemicals Ltd.	225 St-Denis Ave., St. Lambert
Hart Products Reg'd.	9 Brook Ave., Montreal
Javellex Co.	Rouyn
Javax 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
McKague Chemicals, (Eastern) Ltd.	421 Courtemanche Ave., Montreal E.
Miller, F.D., and Co. Ltd.	45 Ann St., Montreal
Mus-Hay-Cleanser Co.	11930, rue Racette, Montreal
Myriad Detergent Inc.	44, rue Dorchester, Quebec
Norocol Co.	822 De L'Épée, Montreal
Permanent Home Products Co. of Canada	3972 Martial St., Montreal North
Produits Shin-Ex Enr	5045, rue Turcot, Montreal
Produits V-To	748, rue Centrale, St-Joseph
Pursell, 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 Soap 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
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:	
Admiral Sanitation Ltd.	115 Crockford Blvd., Scarborough
Aluma Lustre Cleaning Compounds	2450 Industrial St., Burlington
Associated Chemical Co. of Canada Ltd.	40 Bartor Rd., Weston
Astra Soap and Wax Ltd.	3 Thora Ave., Scarborough
Athans Chemicals	1659 Kilbom Ave., Ottawa
Bear Chemicals Co.	145 Vine St., Toronto
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
Chemical Developments of Canada Ltd.	Langford Mills
Colgate-Palmolive Ltd.	64 Colgate Ave., Toronto
Copeland Laboratories Ltd.	46 Brydon Drive, Rexdale
Crystal Chemicals Ltd.	124 Manville Rd., Scarborough
Diamond Cleanser and Soaps	120 - 26th St., Toronto
Dick, A.C.	299 - 1st Ave. N., Welland
Diversey Corporation (Canada) Ltd., The	Clarkson
Douglas-Hogarth Ltd.	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
Efort Mfg. Co.	Mount Bridges
Empire Chemical Co.	113 Judge Rd., Toronto
Extra Bleach Co.	680 Wellington St. W., Toronto
Fairbanks Soap Co. Ltd.	353 Eastern Ave., Toronto
Fibre Soap Co.	Bolton
Fre-Stelle Bleach	7 Byng Ave., Scarborough
Handee Janitor Supply Co.	Langstaff
Household Cleaners Ltd.	78 Titan Rd., Toronto 18
Javax Co. (Divn. of Domtar Consumer Products Ltd.)	99 Vanderhoof Ave., Toronto
King, Robert, Chemical Corp. of Canada Ltd., The	106 Fenmar Rd., Weston
Klean-ez Co.	2172 McDougall St., Windsor
Knox-All Specialties	Norham
Leaist, F.C., Products	20 Dundurn St. S., Hamilton

List of Establishments classified to This Industry, 1964 - Concluded

Name	Location
Ontario - Concluded:	
Lever Brothers Ltd.	299 Eastern Ave., Toronto
London Chemical Co.	Essex
London Soap Co. Ltd.	197-205 South, London
Luster-Sheen Laboratories	58 Ewen Rd., Hamilton
McCarney Products	Rear 962 Bathurst St., Toronto
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
Nelson, H.C., Chemicals Ltd.	1555 Kildare 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
P.L. Skin Care Products Ltd.	234 Norseman 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
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
Tayler Soaps-Perfumes Ltd.	30 Kern Rd., Don Mills
Thayer Perfumer Ltd.	112 Sinnott Rd., Scarborough
Whitehouse Soaps and Chemicals	25 Malley Rd., Scarborough
Witco 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 Mandale Limited	333 Sutherland Ave., Winnipeg
Empire Soap Co. Ltd.	594 des Neurons St., St. Boniface
Fawn Products Co. Ltd.	288 Princess St., Winnipeg
Javex Co. (Div. of Domtar Consumer Products Ltd.)	835 Marion St., Winnipeg
Mass Sales Ltd.	1098 Selkik 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
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
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.	129 East First St., North Vancouver
Crawford Mfg. Co. Ltd.	3590 Commercial Drive, Vancouver
Deep Chemicals Ltd.	1010 Clark Drive, Vancouver
Harvan Chemicals Laboratories Ltd.	419 Vanguard Rd., Richmond
Indo Products Ltd.	633 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 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 56 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

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

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

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

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

Establishment

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

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

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

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

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

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

Head Offices and Auxiliary Units

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

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

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

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

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

Employees

(a) Production and related workers – Manufacturing activities

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

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

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

(c) Administrative and office employees

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

(d) Sales and distribution workers

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

(e) Total Employees

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

Working Owners or Partners

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

Salaries and Wages

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

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

Fuel and Electricity

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

Materials and Supplies

(a) Manufacturing activities

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

(b) Non-manufacturing activities

1. Purchases for re-sale as such

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

2. Other materials and supplies used

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

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

Shipments

(a) General

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

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

(b) Shipments of goods of own manufacture

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

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

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

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

(c) Shipments of goods not of own manufacture

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

(d) Other revenue

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

Inventories

(a) Manufacturing activities

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

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

(b) Non-manufacturing activities

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

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

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

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

(c) By Total activities

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

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