

CATALOGUE No.

47-208

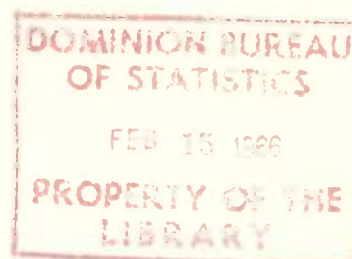
ANNUAL



PLASTICS FABRICATORS, N.E.S.

1963

ANNUAL CENSUS
OF MANUFACTURES



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DOMINION BUREAU OF STATISTICS
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PUBLICATIONS

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PLASTICS FABRICATORS, N.E.S.

1963

In terms of the Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in moulding, extruding and fabricating special plastic parts for automobiles, radios, toys, and other articles for the trade. Establishments primarily engaged in making plastic articles which cannot be classified conveniently elsewhere are also included". However, "Establishments primarily engaged in manufacturing plastic articles such as toys, buttons, tooth brushes or any other article for which provision is made elsewhere in the classification are classified to the appropriate industry".

It is important to note that this industry only includes those fabricators that manufacture from plastics the kind of products not found elsewhere in the classification scheme. For example, women's raincoats (including those of plastic) are classified to the women's factory clothing industry, and establishments producing women's plastic raincoats as a principal product would be included with this industry. Similarly, manufactures of plastic toys would be classified to the toy industry and those of plastic handbags to the miscellaneous leather industry where the commodity "handbags" is to be found. Some production of these commodities will, of course, be found in this industry under review where they are produced, as secondary or minor products, by the establishments assigned to the industry on the basis of their more important items of manufacture. Shipments by all domestic industries of commodities normally made of plastic may be found in the Bureau's report entitled "Products Shipped by Canadian Manufacturers", Catalogue No. 31-211.

In 1963 there were 299 establishments classified to this industry as opposed to 295 in the previous year; their provincial distribution is given in Table 1 A. Tables 6 and 7, respectively, of this report, show in detail the materials and supplies used in manufacturing and the shipments of goods of own manufacture. Table 8 presents the 1962 and 1963 shipments of plastic pipe, plastic foam, and the results of special studies covering certain plastic basic shapes and forms, by all industries.

A list of the establishments classified to the industry in the 1963 survey will be found at the end of this report.

SYMBOLS

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

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

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Plastic Fabricators, N.E.S.

1963

ERRATA

DOMINION BUREAU
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Page 11, Table 6

Materials used and cost in 1963

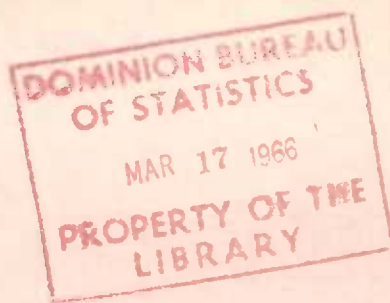
	Moulding powders and compounds	Rods bars sheeting etc.	Cost
	pounds		\$'000
Alkyd types:			
Polyesters - Reads	4,067,815	883,403	2,167
Should read	1,861,072	364,529	1,531
Polyethylene types - Reads	57,984,868		15,175
Should read	60,191,611		15,872
Other plastics - Reads		4,043,241	5,041
Should read		4,562,115	4,980

P.S. This errata supersedes previous pink errata.

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Plastic Fabricators, N.E.S.

1963

ERRATA

Page 11, Table 6

Materials used and cost in 1963

	Moulding powders and compounds	Rods bars sheeting etc.	Cost
	pounds		\$ '000
Alkyd types:			
Polyesters - Reads	4,067,815	883,403	2,167
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Polyethylene types - Reads	57,984,868		15,175
Should read	60,191,611		15,872
Other plastics - Reads	4,043,241		5,041
Should read	4,562,115		4,980

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	277	5,797	12,158	17,286	1,428	58,017	108,992	50,022	68	242	7,973	27,683	51,283
1962													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	3	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	84	2,092	4,647	6,501	548	22,694	42,785	20,042	17	61	2,819	9,781	20,041
Ontario	150	3,905	8,148	12,150	944	40,955	76,121	35,022	41	185	5,094	18,856	35,618
Manitoba	12	149	303	409	34	2,209	3,590	1,354	-	-	201	695	1,522
Saskatchewan	2	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	17	67	144	233	20	777	1,617	892	4	9	97	377	917
British Columbia	26	188	400	682	82	2,299	4,378	2,190	6	23	266	1,094	2,312
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	295	6,439	13,715	20,077	1,638	69,091	128,947	59,779	68	279	8,527	30,943	60,688
1963													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	2	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	4	10	21	25	6	64	100	43	-	-	18	45	62
Quebec	84	2,264	5,075	7,147	649	24,909	47,408	21,826	13	52	2,918	10,778	21,960
Ontario	156	4,603	9,663	14,765	1,152	45,211	88,866	43,577	32	140	5,860	22,253	44,012
Manitoba	12	79	166	268	27	1,356	2,363	997	-	-	108	385	1,008
Saskatchewan	2	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	17	92	198	316	39	1,038	2,253	1,213	3	8	135	478	1,228
British Columbia	22	189	395	672	71	2,070	3,909	1,699	3	19	257	995	1,788
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	299	7,273	15,588	23,292	1,958	74,879	145,358	69,572	51	219	9,345	35,083	70,347

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	22	9	20	25	4	49	113	60	13	26	13	38	62
\$ 10,000 to \$ 24,999	25	29	57	74	7	173	427	260	18	61	35	95	260
25,000 " 49,999	44	129	279	366	34	628	1,587	944	17	77	175	620	948
50,000 " 99,999	52	254	571	748	69	1,822	3,674	1,906	11	55	340	1,111	1,938
100,000 " 199,999	33	359	763	988	106	2,433	4,892	2,443	6	34	496	1,572	2,525
200,000 " 499,999	51	970	2,086	2,795	258	8,105	16,678	8,735	3	26	1,283	4,400	9,050
500,000 " 999,999	30	1,322	2,770	3,722	315	10,990	22,588	11,081	—	—	1,701	5,608	11,361
1,000,000 " 4,999,999	35	2,688	5,635	8,516	620	34,390	58,837	24,499	—	—	3,447	12,589	24,717
5,000,000 and over	3	679	1,535	2,844	225	10,502	20,151	9,851	—	—	1,028	4,847	9,836
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	9	62	(10)
Totals	295	6,439	13,715	20,077	1,638	69,091	128,947	59,779	68	279	8,527	30,943	60,688
1963													
Under \$10,000	16	9	16	19	2	36	96	59	10	21	13	26	58
\$ 10,000 to \$ 24,999	28	35	69	85	11	218	477	275	13	47	49	132	277
25,000 " 49,999	40	130	279	369	33	641	1,543	898	12	52	168	531	996
50,000 " 99,999	39	181	395	521	49	1,285	2,676	1,369	11	68	249	830	1,372
100,000 " 199,999	46	463	1,018	1,470	133	3,197	6,418	3,324	3	19	650	2,268	3,537
200,000 " 499,999	55	1,181	2,455	3,209	293	8,314	17,181	8,867	2	12	1,445	4,693	9,225
500,000 " 999,999	31	1,360	2,901	4,119	309	10,917	22,652	11,292	—	—	1,696	6,251	11,602
1,000,000 " 4,999,999	41	3,187	6,903	10,472	868	39,596	71,989	32,198	—	—	4,012	15,242	32,073
5,000,000 and over	3	707	1,551	3,028	260	10,673	22,324	11,290	—	—	1,055	5,049	11,214
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	8	62	(7)
Totals	299	7,273	15,588	23,292	1,958	74,879	145,358	69,572	51	219	9,345	35,083	70,347

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	39	39	79	106	17	420	591	167	22	50	55	179	171
\$ 10,000 to \$ 24,999	50	110	235	306	37	942	1,839	866	23	98	148	441	866
25,000 " 49,999	53	246	556	724	74	1,819	3,604	1,857	17	81	360	1,231	1,932
50,000 " 99,999	31	321	684	885	73	2,193	4,405	2,278	2	20	430	1,381	2,371
100,000 " 199,999	45	1,015	2,069	2,634	230	7,288	14,094	6,623	2	14	1,274	3,916	6,744
200,000 " 499,999	50	1,858	4,012	5,882	524	24,898	42,345	17,210	2	16	2,446	8,971	17,692
500,000 " 999,999	18	1,478	3,060	4,248	281	12,604	25,085	12,538	—	—	1,883	6,410	12,684
1,000,000 " 4,999,999	9	1,372	3,019	5,292	402	18,927	36,983	18,238	—	—	1,922	8,351	18,238
5,000,000 and over	...	...	...	...	...	...	...	...	...	...	9	62	(10)
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	9	62	(10)
Totals	295	6,439	13,715	20,077	1,638	69,091	128,947	59,779	68	279	8,527	30,943	60,688
1963													
Under \$10,000	36	54	112	141	14	493	682	189	17	37	71	190	190
\$ 10,000 to \$ 24,999	44	110	234	314	33	717	1,504	764	15	76	153	497	801
25,000 " 49,999	49	242	514	695	77	1,991	3,638	1,670	15	81	338	1,141	1,702
50,000 " 99,999	42	378	805	1,163	111	3,574	6,550	3,037	2	13	511	1,806	3,265
100,000 " 199,999	40	954	1,938	2,358	194	5,568	11,654	5,931	2	12	1,149	3,319	6,132
200,000 " 499,999	47	1,806	3,883	5,653	487	17,425	32,451	14,784	—	—	2,236	8,391	14,915
500,000 " 999,999	26	1,781	3,786	5,454	386	18,719	34,981	16,358	—	—	2,203	8,072	16,547
1,000,000 " 4,999,999	15	1,948	4,317	7,513	657	26,391	53,896	26,840	—	—	2,676	11,605	26,802
5,000,000 and over	...	...	...	...	...	...	...	...	...	...	8	62	(7)
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	8	62	(7)
Totals	299	7,273	15,588	23,292	1,958	74,879	145,358	69,572	51	219	9,345	35,083	70,347

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				
		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	39	42	84	111	17	430	608	169	22	50	59	189	170
\$ 10,000 to \$ 24,999	51	109	234	306	38	959	1,875	890	23	98	148	445	891
25,000 " 49,999	49	226	516	657	68	1,661	3,276	1,692	17	81	326	1,112	1,716
50,000 " 99,999	33	331	708	929	75	2,183	4,465	2,333	2	20	440	1,414	2,394
100,000 " 199,999	45	1,009	2,054	2,601	228	7,164	13,858	6,525	2	14	1,264	3,825	6,552
200,000 " 499,999	49	1,815	3,930	5,716	518	24,553	41,315	16,559	2	16	2,395	8,788	16,994
500,000 " 999,999	20	1,535	3,170	4,465	291	13,214	26,567	13,373	—	—	1,964	6,756	13,742
1,000,000 " 4,999,999	9	1,372	3,018	5,292	402	18,926	36,983	18,238	—	—	1,922	8,351	18,238
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	9	62	(10)
Totals	295	6,439	13,715	20,077	1,638	69,091	128,947	59,779	68	279	8,527	30,943	60,688
1963													
Under \$10,000	37	81	172	219	21	588	794	223	17	37	119	396	199
\$ 10,000 to \$ 24,999	42	104	221	299	31	680	1,430	728	15	76	144	469	728
25,000 " 49,999	48	206	430	592	69	1,916	3,505	1,596	15	81	281	905	1,639
50,000 " 99,999	39	346	745	1,040	95	3,216	5,874	2,728	—	—	456	1,592	2,802
100,000 " 199,999	44	943	1,940	2,428	206	5,671	11,963	6,164	4	25	1,153	3,463	6,377
200,000 " 499,999	47	1,781	3,776	5,445	463	17,110	31,823	14,437	—	—	2,211	8,164	14,752
500,000 " 999,999	27	1,864	3,988	5,757	417	19,307	36,072	16,856	—	—	2,297	8,427	17,055
1,000,000 " 4,999,999	15	1,948	4,317	7,513	657	26,391	53,896	26,840	—	—	2,676	11,605	26,802
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	62	(7)
Totals	299	7,273	15,588	23,292	1,958	74,879	145,358	69,572	51	219	9,345	35,083	70,347

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				
		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 5 employed	90	114	246	325	50	1,235	2,686	1,418	46	164	150	483	1,436
5- 14 employed	80	461	1,036	1,509	155	4,450	9,554	5,074	20	99	644	2,465	5,203
15- 49 "	77	1,649	3,541	5,047	459	19,833	35,886	16,060	2	16	2,171	7,939	16,605
50- 99 "	25	1,371	2,850	3,829	310	13,130	25,241	11,504	—	—	1,709	5,641	11,503
100-199 "	17	1,660	3,479	4,984	305	16,288	27,065	11,489	—	—	2,177	7,341	11,774
200-499 "	6	1,184	2,563	4,384	359	14,155	28,515	14,234	—	—	1,667	7,013	14,177
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	9	62	(10)
Totals	295	6,439	13,715	20,077	1,638	69,091	128,947	59,779	68	279	8,527	30,943	60,688
1963													
Under 5 employed	71	97	201	292	31	918	1,909	989	30	119	124	407	1,014
5- 14 employed	91	521	1,130	1,632	191	4,864	9,898	5,110	21	100	715	2,564	5,273
15- 49 "	82	1,811	3,853	5,635	500	20,637	38,152	17,340	—	—	2,342	8,744	17,880
50- 99 "	34	2,042	4,445	6,076	523	20,450	36,965	16,446	—	—	2,452	8,597	16,566
100-199 "	16	1,750	3,652	5,609	391	15,564	32,140	16,222	—	—	2,231	8,351	16,279
200-499 "	5	1,052	2,308	4,047	322	12,445	26,293	13,466	—	—	1,473	6,360	13,342
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	62	(7)
Totals	299	7,273	15,588	23,292	1,958	74,879	145,358	69,572	51	219	9,345	35,083	70,347

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

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Individual ownerships	50	76	169	205	25	681	1,510	809	48	187	83	220	810
Partnerships	11	58	132	156	28	462	1,077	599	20	91	71	204	602
Incorporated companies	234	6,305	13,414	19,717	1,585	67,948	126,361	56,371	...	...	8,364	30,457	59,286
Cooperatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	9	62	(10)
Totals	295	6,439	13,715	20,077	1,638	69,091	128,947	59,779	68	279	8,527	30,943	60,688
1963													
Individual ownerships	41	108	220	314	24	1,102	2,117	1,026	39	167	124	385	1,029
Partnerships	6	22	51	66	17	211	543	316	12	52	25	78	351
Incorporated companies	252	7,143	15,317	22,911	1,917	73,565	142,696	66,230	...	...	9,188	34,559	68,975
Cooperatives .....									...	...	8	62	(7)
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	62	(7)
Totals	299	7,273	15,588	23,292	1,958	74,879	145,358	69,572	51	219	9,345	35,083	70,347

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	128,947	145,358	7,054	7,925	136,001	153,283
Inventories - Goods of own manufacture:						
Add closing - Goods in process	3,284	3,107	...	...	3,284	3,107
Finished goods	9,376	9,021	...	...	9,376	9,021
Less opening - Goods in process	2,436	3,092	...	...	2,436	3,092
Finished goods	8,643	7,985	...	...	8,643	7,985
2. Net inventory change	1,561	1,051	...	...	1,561	1,051
3. Gross output (1 + 2)	130,508	146,409	7,054	7,925	137,562	154,334
Input						
4. Purchases of goods not of own manufacture .....	...	...	5,565	6,118	5,565	8,118
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	639	869	639	869
Less closing .....	...	...	787	808	787	808
5. Cost of goods sold (not of own manufacture) .....	...	...	5,417	6,179	5,417	6,179
6. Materials, supplies, components and semi-processed goods	69,091	74,879	729	972	69,820	75,851
7. Fuel and electricity	1,638	1,958	...	...	1,638	1,958
8. Gross input (5 + 6 + 7)	70,729	76,837	6,146	7,151	76,875	83,988
Census value added (3 - 8)	59,779	69,572	908	774	60,688	70,347

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- istra- tive and office	Sales and distrib- ution	Total salaries and wages
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
number										\$'000					
1962															
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Quebec	1,562	530	18	78	364	139	118	12	2,062	757	6,501	98	2,483	699	9,781
Ontario	2,260	1,645	3	3	634	331	199	19	3,096	1,998	12,150	9	5,317	1,380	18,856
Manitoba	81	68	—	—	28	18	6	—	115	86	409	—	244	41	695
Saskatchewan	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	45	22	—	—	16	9	5	—	66	31	233	—	110	34	377
British Columbia	134	54	2	—	37	22	17	—	190	76	682	5	319	87	1,094
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	4,118	2,321	23	79	1,086	523	346	31	5,573	2,954	20,077	112	8,509	2,243	30,943
1963															
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	9	1	—	—	5	2	1	—	15	3	25	—	17	3	45
Quebec	1,643	621	8	10	376	133	115	12	2,142	776	7,147	50	2,833	748	10,778
Ontario	2,587	2,016	—	1	664	361	204	27	3,455	2,405	14,765	1	5,833	1,653	22,253
Manitoba	59	20	—	—	22	7	—	—	81	27	268	—	117	—	385
Saskatchewan	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	68	24	—	—	26	11	6	—	100	35	316	—	124	38	478
British Columbia	124	65	—	—	33	18	14	3	171	86	672	—	238	85	995
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	4,525	2,748	8	11	1,134	537	340	42	6,007	3,338	23,292	52	9,213	2,527	35,083

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	3,359	1,805	3,716	2,121
February	3,392	1,822	3,846	2,205
March	3,449	1,823	3,932	2,295
April	3,581	1,886	3,890	2,266
May	3,650	1,965	4,009	2,332
June	3,707	2,013	4,131	2,413
July	3,657	1,973	4,090	2,367
August	3,801	2,071	4,187	2,400
September	3,802	2,121	4,148	2,461
October	3,762	2,142	4,125	2,509
November	3,769	2,052	4,137	2,466
December	3,702	1,839	4,020	2,254
Average for establishments reporting monthly detail (collected only for large establishments) ..	3,636	1,959	4,020	2,344
Average for small establishments (only annual averages collected)	197	69	168	66
Average for all establishments	4,118	2,321	4,525	2,748

Note: There are 284 male and 294 female employees in 1962 and 337 male and 338 female employees in 1963 that were collected from medium size establishments. These employees are not included in Table 3A but are included in Table 3.

TABLE 4. Industry Inventories, 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	x	x	x	x	x	x
New Brunswick	15	-	6	21	-	21
Quebec	3,468	1,155	3,307	7,930	65	7,995
Ontario	5,568	1,738	4,248	11,555	740	12,295
Manitoba	89	56	35	180	-	180
Saskatchewan	x	x	x	x	x	x
Alberta	168	12	152	333	19	352
British Columbia	268	130	205	603	38	641
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	9,681	3,092	7,985	20,758	869	21,627
Closing:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	x	x
New Brunswick	38	-	17	57	-	57
Quebec	3,982	1,138	3,298	8,419	76	8,495
Ontario	6,423	1,829	5,231	13,483	663	14,145
Manitoba	91	66	42	199	-	199
Saskatchewan	x	x	x	x	x	x
Alberta	158	13	190	360	24	384
British Columbia	314	59	206	579	40	619
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	11,083	3,107	9,021	23,211	808	24,019

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

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	2,446	33	1,814
(b) Imported	"	5,705	76	5,848
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	-	-
Lignite coal	"	25	-	840
Coke	"	-	-	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	159,198	65	201,887
Fuel oil including kerosene or coal oil	"	2,537,875	232	2,623,778
Wood	cord	150	1	50
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	23,392	3	40,930
(b) Other manufactured gas	M cu.ft.	12,000	-	682,600
(c) Natural gas	"	108,684	101	317,215
Other fuel .....		...	1	...
Electricity purchased	kwh.	84,588,674	929	95,042,043
Steam purchased .....		...	15	...
2. Estimate for small establishments:				
Fuel and electricity .....		...	...	...
3. All establishments:				
Total fuel and electricity used .....		...	1,638	...

Note: There was \$118,000 in 1962 and \$129,000 in 1963 of fuel and electricity collected from medium size establishments. These amounts are not included in the above table, but are included in the totals.

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

Description	1962				1963			
	Quantity			Cost	Quantity			Cost
	Moulding powders and compounds	Liquids	Rods, bars, sheeting, etc.		Moulding powders and compounds	Liquids	Rods, bars, sheeting, etc.	
	pounds			\$'000	pounds			\$'000
1. Materials used:								
Synthetic resins:								
Phenol-aldehyde types:								
(a) Phenol-formaldehyde	3,620,182	2,663,163	387,060	1,544	3,623,441	3,104,674	70,357	1,449
(b) Other	160,700	4,400	10,000	56	7,131	3,060	10,000	11
Amino-aldehyde types:								
(a) Urea-formaldehyde	1,400,063	2,640	—	413	1,276,136	1,755	—	392
(b) Melamine-formaldehyde	3,280,815	—	—	1,524	3,540,398	—	—	1,541
Alkyd types:								
Polyesters	173,896	1,844,716	164,500	708	4,067,815	2,206,564	883,403	2,167
Polyamide types:								
(a) Nylon	473,229	—	4,263	466	573,379	—	2,500	553
(b) Other	36,032	146	—	28	59,198	86	500	45
Styrene types:								
(a) Polystyrene	24,155,397	35,890	739,954	6,592	30,803,695	220,315	958,986	8,136
(b) Other	1,721,654	29,164	—	770	2,137,019	56,686	923	886
Vinyl types:								
(a) Vinyl acetate	492,235	—	96,104	233	143,465	—	116,182	155
(b) Vinyl chloride	9,189,647	—	2,602,667	3,401	10,474,841	101,731	3,388,682	3,880
(c) Other	295,127	10,540	577,793	387	287,782	5,385	511,809	351
Polyethylene types	56,542,400	—	12,130,244	19,212	57,984,868	—	228,190	15,175
Acrylic types	719,989	9,300	610,068	914	1,040,655	140,402	550,804	1,090
Other synthetic resin types	659,337	3,759,370	203,624	1,432	1,966,288	4,205,435	452,683	2,640
Cellulose plastics:								
Cellulose nitrate (celluloid)	—	—	280	1	—	—	—	—
Cellulose acetate	784,571	—	550,943	906	854,177	—	434,404	819
Cellulose acetate butyrate	301,161	—	41,508	235	523,775	—	48,004	362
Ethyl cellulose	10,870	—	2,035	10	8,370	—	4,678	11
Cellulose film ("cellophane", etc.)	230,972	—	781,196	743	21,875	7,259	212,656	198
Other cellulose plastics	22,091	—	—	15	1,068	—	—	1
Other plastics	2,411,168	346,687	2,256,786	2,877	1,299,145	371,217	4,043,241	5,041
Other materials:								
Cotton fabrics	—	—	—	1,397	—	—	—	1,807
Other fabrics	—	—	—	642	—	—	—	934
Fibre glass	—	—	—	932	—	—	—	731
Paper	—	—	—	3,615	—	—	—	4,208
Rubber	—	—	—	214	—	—	—	159
Metals	—	—	—	1,799	—	—	—	1,348
Paints, lacquers, pigments, etc.	—	—	—	514	—	—	—	681
All other materials and components used ¹ .....	...	...	...	11,037	...	...	...	12,486
2. Containers and other packaging materials and supplies used .....	...	...	...	3,169	...	...	...	3,390
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	...	...	2,851	...	...	...	3,469
4. Amount paid out to others for work done on materials owned by establishments .....	...	...	...	453	...	...	...	764
Totals .....	...	...	...	69,091	...	...	...	74,879

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,392,368 in 1962 and \$2,141,464 in 1963.

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

Description	1962		1963	
	Quantity	Value \$'000	Quantity	Value \$'000
1. Products:				
Basic plastic shapes and forms:				
Film and sheet, unsupported (including "layflat" tubing)	...	15,485	...	15,808
Sheet, reinforced (including low-pressure laminates)	...	3,534	...	4,879
Film and sheet, n.e.s.	...	1,113	...	1,750
Angles, channels, rods, tees and similar shapes	...	1,218	...	1,266
Pipes, tubes, rigid and semi-rigid tubing (excluding hoses and "layflat" tubing)	...	3,919	...	3,802
Hose and flexible tubing (excluding "layflat" tubing and garden hose)	...	202	...	383
High-pressure laminated plastics, all types	...	19,223	...	20,422
Basic shapes and forms, n.e.s. (including bars, blocks, foam, and screening)	...	9,304	...	11,304
Totals	...	53,998	...	59,614
Plastic household equipment and accessories:				
Awnings	...	1	...	1
Bags, plastic film, beach, diaper, knitting, shoe and shopping	...	167	...	186
" " " food protection	lb. 3,176,226	2,593	...	...
" " " n.e.s. (clothing, cosmetic, dry cleaning, garment storage, laundry, etc.)	...	2,734	...	299
Clothesline and accessories	...	1	...	1
Containers, food (other than bags)	...	1,840	...	2,560
Covers, film, furniture	doz. 9,612	38	10,870	23
Covers, film, food, and other, n.e.s.	7,029,276	386	61,979	184
Cups, disposable	gross 1,733,588	2,210	1,957,943	2,480
Curtains and drapes (including shower)	...	1	...	1
Dinnerware	...	2,422	...	2,594
Flatware	...	1	...	615
Flower pots	doz. 109,449	78	205,390	147
Fly-swatters	" 44,738	8	50,650	9
Furniture, furniture glides, and other furniture accessories	...	665	...	791
Handies and knobs	...	430	...	657
Hangers, garment	doz. 250,840	347	338,944	322
Hose, garden, and hose couplings	...	1	...	502
Kitchenware	...	3,937	...	4,622
Seats, toilet	...	1	...	1
Seats, toilet-training	No. 63,114	67	...	1
Tablecloths (table covers)	...	1	...	1
Tile, floor and wall, etc.	sq.ft. 6,329,939	1,219	6,578,170	1,257
Trays	...	466	...	73
Household equipment and accessories, n.e.s. (including drop-sheets)	...	7,804	...	6,498
Totals	...	27,411	...	23,819
Plastic clothing and personal equipment:				
Aprons	...	2	...	2
Bibs	doz. 74,006	155	...	...
Brushes and brush parts	...	268	...	433
Buttons	...	2	...	2
Combs	doz. 1,890,255	932	1,829,597	833
Hair-dressing accessories, n.e.s. (barrettes, etc.)	...	1,111	...	1,465
Pants, babies'	doz. 815,376	1,637	879,518	1,676
Rainwear	...	2	...	2
Sunglasses, complete	...	2	...	2
Clothing and personal equipment, n.e.s. (jewellery, knitting needles, purses, wallets and billfolds, etc.)	...	1,920	...	3,204
Totals	...	6,023	...	7,611
Miscellaneous plastic products:				
Accessories and parts:				
Aircraft	...	3	...	3
Automobile	...	1,931	...	3,167
Dies, moulds and jigs	...	928	...	374
Electrical	...	1,855	...	1,977
Industrial, miscellaneous	...	4,264	...	4,173
Plumbing	...	390	...	464
Radio, telephone and television	...	1,121	...	1,136
Refrigeration	...	1,347	...	2,068
Accessories and parts, n.e.s.	...	1,444	...	1,985
Bottles	...	5,577	...	7,710
Boxes, hosiery, jewellery, millinery, and other	...	618	...	517
Caps and closures, bottle	...	4	...	4
Cases, clock	...	76	...	65
" luggage	...	141	...	16
" utility (pocket type)	...	9	...	4
" n.e.s. (brief, cosmetic, fan, jewellery, radio, etc.)	...	309	...	692
Filler, automobile body	...	484	...	500
Games	...	118	...	148
Novelties, advertising	...	665	...	999
" general	...	467	...	437
Signs and displays	...	591	...	607
Skydomes	...	736	...	1,358
Stationery goods	...	614	...	699
Tackle, fishing	...	90	...	127
Toys (beach toys, blocks, dolls' clothes, etc., guns, inflatable toys, rattles, tea-sets, trucks, and wading pools, etc.)	...	2,281	...	3,694
Walking, shoe, furniture, etc.	...	4	...	4
Miscellaneous plastics products, n.e.s.	...	12,389	...	16,687
Totals	...	38,445	...	49,600

See footnotes at end of table.

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

Description	1962		1963	
	Quantity	Value	Quantity	Value
		\$'000		\$'000
1. Products - Concluded:				
Non-plastics miscellaneous products:				
Jigs, dies, etc.	123	...	177
Non-plastics miscellaneous products, n.e.s.	2,390	...	3,474
Totals	2,513	...	3,650
2. Amount received in payment for work done on materials and products owned by others	916	...	1,829
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above	(359)	...	(766)
Total adjusted value of shipments and work done	128,947	...	145,358

¹ Confidential. Included in "Household equipment and accessories, n.e.s.".

² Confidential. Included in "Clothing and personal equipment, n.e.s.".

³ Confidential. Included in "Accessories and parts, n.e.s.".

⁴ Confidential. Included in "Miscellaneous plastic products, n.e.s.".

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries,¹ 1962 and 1963

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

Description	1962		1963	
	Quantity	Value	Quantity	Value
	pound	\$'000	pound	\$'000
Film and sheet, unsupported, including "layflat" tubing: ²				
Polyethylene	35,098,785	16,330	41,968,005	19,161
Polyvinyl chloride	12,157,653	6,196	13,640,129	7,217
Polystyrene	5,090,952	1,723	5,359,935	2,008
Form (Basic shapes and forms only):				
Polystyrene	3,272,000	2,495	4,645,000	3,517
Urethane-Polyester	840,000	855	1,282,000	791
Urethane-Polyether	6,885,000	6,326	9,493,000	7,446
Pipes, tubes, rigid and semi-rigid tubing (excluding hose and "layflat" tubing):				
Polyethylene	7,813,000	2,640	7,422,000	2,644
Vinyl, including P.V.C.	921,000	384	1,835,000	943
Other resins (Polystyrene, A.B.S. and others)	2,454,000	1,151	2,024,000	1,120

¹ Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed above.

² Plant sales or shipments only; does not include the production of film converted within the same plant. The production of these three types of film by all manufacturers was collected in 1963 and was as follows:

(a) Polyethylene: 52,502,600 pounds.

(b) Polyvinyl chloride: 16,525,018 pounds.

(c) Polystyrene: 5,381,872 pounds.

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
Nova Scotia:	
Plastics Maritime Ltd.	108 Agricola St., Halifax
Starr Manufacturing Works Limited	Prince Albert Road, Dartmouth
New Brunswick:	
Crystal Ice Co. Ltd.	5 Seaton St., Saint John
Kinghorn and Dickie Ltd.	Wagoner's Lane, Fredericton
Rogers Bros. Limited	Crown St. at Duke, Saint John
Sea Coast Enterprises Ltd.	560 Chaleur, Bathurst
Quebec:	
Adanac Plastic	639 de la Ferme St., Montreal 22
Allen Plastics Co.	71 Laurier West, Montreal 14
Allied Extrusion Ltd.	2625 boul. Vanier, St-Hyacinthe
Alpha Plastics Co.	3455 Montgomery St., Montreal 34
Armstrong Cork Canada Ltd.	33 Taylor St., Waterloo
Audet Plastic Specialties Enr.	2480 Roy St., Sherbrooke
Beacon Plastics Ltd.	3510 Albert Street, Montreal

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
Quebec - Concluded:	
Bedford Plastics Co. Ltd.	10740 Racette Ave., Montreal North, Montreal 39
Bicycle Guild Inc.	1340 Balmoral St., St. Laurent, Montreal 9
Blaines Plastic Co. Ltd.	3126 Dessaulles St., St. Hyacinthe
Bow Plastics Limited	15 Vittie St., Granby
Canadian Coating Industries Ltd.	7719 - 18th Ave., Ville St-Michel
Canadian Industries Ltd.	c/o C.I.L., P.O. Box 10, Montreal 2
Copak Corporation	3450 Albert St., Montreal 30
C.P.F. Plastics Limited	9961 Plaza Blvd., Montreal North, Montreal 39
Crescent Plastic Novelty Reg'd.	2110 St. Clement St., Montreal 4
Crystone Co. of Canada Ltd.	925 - 14th Ave., Lachine
Cyanamid of Canada Limited (Laminated plastics)	55 Montcalm, St-Jean
Cyanamid of Canada Limited (Moulded plastics)	Sherbrooke St., Buckingham
Die Plast Ltd.	10620 Racette St., Montreal North, Montreal 39
Dolac Industries Ltd.	1900 Kamouraska Street, Montreal
Dominion Comb & Novelty Company, The	479 St. Louis St., Warwick
Dominion Cutting Service Ltd.	540 Beaudry St., Montreal 24
Domtar Construction Materials Ltd. (Arborite Division)	385 LaFleur Ave., Ville LaSalle
Duma Plastic Engineering Co.	8585 Omer Gaucher Blvd., Rivières-des-Prairies
Duro Lam Limited	Labelle St., St. Jovite
E.C.S. Plastic Ltd.	6049 Hamilton St., Montreal
Electronic Products Inc.	110 St. Peter St., Montreal 1
Elwin Plastics Ltd.	Allen Street, Waterloo
Engravo Mfg. Co. Reg'd.	12271 Reed Blvd., Montreal 9
Ginn Bros. Ltd.	280 Regina Ave., Verdun
G.M. Plastic Corporation	520 Robinson St., Granby
Hermes Plastics Ltd.	1015 St. Alexandre, Montreal
Hickey Plastic Co. Ltd.	1898 St. Antoine St., Montreal 3
Industrial Foam Converters Inc.	10369 Armand Laverne St., Montreal North
Industrial Plastic Extrusions Co. Ltd.	310 Lawrence St., Greenfield Park
Jay Plastics Co. Ltd.	8645 - 8th Avenue, Ville St-Michel
Kal-Kar Insulation Corp.	191 Oneida Ave., Pointe-Claire
Kool-Ray of Canada	1315 Barre St., Montreal
Leco Industries Ltd.	97e Avenue, Parish of Ste-Thérèse-de-Blainville
Le Progres de St. Ludger Inc.	St. Ludger, Frontenac Co.
Les Industries Provinciales Ltée.	St. Damien de Buckland, Co. Bellechasse
Les Produits Duvernay Ltée	10421 Ethier, Montreal North
L.G. Manufacturing Reg'd.	2030 Thimens, Ville St-Laurent, Montreal 9
Long Sault Woodcraft Ltd.	St. Andrews East
Lord Plastics	249 St. Jacques St., St-Jacques-de-Montreal
Lukian Plastics Corporation	576 O'Connell Ave., Dorval
Mainville Foot Moisture Condenser Reg'd.	168 Lewis St., Waterloo
Mansonville Plastics Ltd.	Mansonville, Brome Co.
Melfo Industries Ltd.	2625 Albert St., Montreal
Modern Plastic Co. Ltd.	2955 Cartier St., St. Hyacinthe
Neelak Products Ltd.	145 Port Royal St. W., Montreal 12
Nicolet Plastique Ltée	138 rue St-Joseph, Nicolet
Norman Modlin Industries	185 Fairmount Ave. W., Montreal 14
Northern Resins Limited	37 St-Viateur St., Berthierville
Payge Manufacturing Ltd.	2300 Florian St., Montreal 24
Pharal Plastics, Inc.	320, rue Elm, St. Lambert
Plastic Enterprises Ltd.	642 de Courcelle St., Montreal 30
Plastic Fabricating Industries Reg'd.	1039 Pie XII St. Foy, Quebec City
Plasticcon Enr.	1650, rue de Fondville, Québec
Plasticcon Inc.	10461 Henault, Montreal North
Plastic Packaging Products Ltd.	6005 G Côte-de-Liesse Rd., Montreal 9
Plasti-Lam Inc.	13, rue Des-Saules-est, Québec
Plastiseal Inc.	781 William Street, Montreal 3
Plastube Ltd.	420 Edouard Street, Granby
Precision Plastic Moulds Reg'd.	11795, rue Ethier, Montréal-Nord
Ralston, W. & Co. (Canada), Ltd.	455 Côte-Ventu Road, St. Laurent, Montreal 9
Rehau Plastics (Canada) Ltd.	5765 Andover Ave., Montreal 9
Renaud, R. Enr.	2403 Monsabre St., Montreal 5
Rogers Plastics (Canada), Ltd.	Albert St., Rawdon
Rouette Glass & Plastic Cie. Ltée	75 Eastern Place, Ville St-Pierre
St. Lawrence Plastics & Metal Works Ltd.	1040 O'Brien Blvd., Ville St-Laurent, Montreal 9
Shawinigan Chemicals Ltd. (Canadian Resins Division)	Blanchard St., Ste-Thérèse-de-Blainville
Superex Limited	525 Richmond St., Montreal 3
Super Plastics Inc.	10125 Herbert St., Montreal North
Thermo-Extrusions Inc.	9615 Papineau, Room 170, Montreal 11
Thermoset Plastics Ltd.	225 Harwood Blvd., Dorion
Tucker Plastic Products Ltd.	271 St. Jacques St. S., Coaticook
Tupperware Home Parties Ltd.	Grand Blvd. South, Cowansville
Union Carbide Canada Limited (Visking Division)	Hanson St., Cowansville
United Plastic Ltd.	369 St. Paul W., Montreal 1
Vernercraft (1957) Company	1896 Orléans Ave., Montreal 4
Vogue Plastics Limited	1819 des-Carrières St., Montreal 35
Wallace Silversmiths (Canada) Ltd. Plastics Division	Bibeau St., Cookshire
Ontario:	
ABC Blow Moulding Co. Ltd.	14 Racine Rd., Resdale
Akron Plastics Ltd.	33 Milvan Drive, Weston
Adastra Plastics Co.	253 Merton, Toronto 4
Aladin Industries (Canada) Ltd.	5 McLachlan Dr., Rexdale
Alcore Fabricating Ltd.	307 Enford Rd., Richmond Hill
Alku Plastic Limited	143 Pears Rd., Toronto 5
Architectural Plastics Ltd.	24 Milford Road, Toronto 15
Barrington Plastics Ltd.	2233 Lakeshore Highway West, Clarkson
Bartley Mfg. Co. (Bamco Ltd., Div. of Greening Industries Ltd.)	11 Hamilton St., Toronto 8
Beach Awning Co.	301 Crockett St., Hamilton
Beauty Industrie, Ltd.	272 Sherman Ave. N., Hamilton

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
Ontario - Continued:	
Biltex Ltd.	169 Kendal Ave., Toronto 4
Bishop Plastics	43 Dufferin St., Alliston
Bomar Plastics Ltd.	29 Colbourne St., Chatham
Brentwood Containers Ltd.	24 Ronson Dr., Rexdale
Building Products, Ltd. (Micro Plastics Division)	Main St. N., Acton
Caddy Plastics Limited	1937 Wilson Ave., Weston
Callon Corporation Ltd.	1857 Walker Rd., Windsor
Canadian Extruders Ltd.	147 Rivalda Road, Weston
Canadian General-Tower Ltd.	52 Middleton St., Galt
Canadian Gisholt Plastics Ltd.	25 Medulla Ave., Toronto 18
Canadian Thermos Products Ltd.	2040 Eglinton Ave. E., Scarborough
Carroll Plastics	Beech St., Stayner
Centri-Cast Ltd.	146 Bentworth Ave., Toronto
Cluthe, George Manufacturing Co. Ltd.	141 Weber St., S., Waterloo
Copak (Toronto) Ltd.	1500 O'Connor Dr., Toronto 16
Comoplastics Canada Ltd.	40 Mills Rd., Ajax
Custom Plastic Covers Co.	41 Summitcrest Drive, Weston
Cyanamid of Canada Ltd. (Skydome Products)	19 Hafis Road, Toronto 15
Daron Industries	Norman Rogers Airport, Kingston
Deerfield Laminations Limited	175 Deerfield Rd., Newmarket
Deerfield Plastics Ltd.	175 Deerfield Rd., Newmarket
Delaney & Pettit Industries Ltd.	133 Jefferson Ave., Toronto 3
Domtar Construction Materials Ltd. (Arborite Division)	46 Hollinger Road, Toronto 16
Domtar Consumer Products Ltd.	255 Wicksteed Ave., Leaside, Toronto 17
Dow Chemical of Canada Limited	375 Symington Ave., Toronto 9
Dupont of Canada Ltd. (Polyethylene film plant)	Dunlop Drive, Whitby
Duro Plastics Co.	16 Cathay St., Galt
Dynaflex Plastics Limited	121 Cavan St., Port Hope
Dynaglas Industries	1160 Albert Rd., Windsor
Edmir Moulding Corp. of Canada Ltd.	296 Brunswick Ave., Toronto 4
English Plastics Ltd.	245 Queen St. E., Brampton
Fabricated Plastics Company Limited	70 Belfield Road, Rexdale
F. & H. Plastics Ltd.	29 Faulkland Rd., Scarborough
Fiberez of Canada Ltd.	Saunders Drive, Cornwall
Fleberplast Company	9 Mayfair Mews, Toronto 5
Flexmaster Co. Ltd.	122 Industrial Road, Richmond Hill
F-M Superfab Limited	377 Olivewood Rd., Toronto
French Ivory Products Ltd., The	7 Plastics Ave., Toronto 18
Farlong Plastics Limited	1293 Caledonia Road, Toronto 19
Glasnoid Plastics Ltd.	30 Bermondsey Rd., Toronto 16
Graham Products Ltd.	Inglewood
Harbour Plastics & Manufacturing Ltd.	65 Broadview Ave., Toronto 8
Hardfoam Products Ltd.	66 Fordhouse Blvd., Toronto 18
Haug's Products Ltd.	2301 Keele St., Toronto 15
Humphrey-Cosburn Plastics Ltd.	Fullock Dr., Box 320 Markham
Imco Container (Canada) Ltd.	3174 Marvis Rd., Cooksville
Ironside, G.H. Plastic Products	R.R. 1, Georgetown
Juttall Industries Ltd.	141 Pears Ave., Toronto 5
Karbo Plastics & Metalwares Ltd.	3873 Walker Rd., Windsor
Kenon Corporation Limited (Plastic Products)	314-326 Davenport Road, Toronto 5
Kemp Products Limited	1881 Huron St., London
Keystone-McDaien Manufacturing (Plastics) Ltd.	9 Davies Ave., Toronto 8
Kitchener Plastics Limited	962 Guelph St., Kitchener
Korlin Limited	577 Erie St., Stratford
Lido Industrial Products Ltd.	40 Queen Elizabeth Blvd., Toronto 18
Lou-Hat Plastics	87½ Ashley Street, Hamilton
Magnoplast Ltd.	125 Tycos Dr., Toronto
Maple Leaf Plastics Limited	375 Danforth Rd., Scarborough
Markham Reinforced Plastics Ltd.	Robinson St., Markham
Marson (Canada) Ltd.	68 Broadview Ave., Toronto 8
Marwal Plastics Ltd.	50 Spalding Drive, Brantford
Marwick Plastics Ltd.	401 King St. W., Toronto 2B
Mermaid Plastic Industries	14 Darling Ave., Toronto 5
Midland Plastics (Div. of Midland Industries Ltd.)	Elizabeth St. E., Midland
Mitchell Plastics & Buttons Ltd.	97 Victoria St. N., Kitchener
M.M. Plastic (Mfg.) Company	1080 Kipling Ave. N., Rexdale
Modern Plastic Products	98 Richmond St. E., Toronto 1
Moldex Ltd.	155 Vespra St., Barrie
Monarch Plastic Co.	12421 Tecumseh Rd. E., Tecumseh
Monsanto Canada Limited	
Foam Division	8th Ave. N., Woodbridge
Moulded Products Division	8th Ave. N., Woodbridge
Morval Products Co. Ltd.	156 Birch Ave., Kitchener
Multi-Plastics Co.	54 Power St., Toronto 2
National Fibre Co. of Canada Ltd.	107 Atlantic Ave., Toronto 3
O & W Electronics Limited	1335 Lawrence Ave. E., Don Mills
Olsonite Co. Ltd.	1587 McDougall St., Windsor
Ontario Steel Products Co. Ltd.	9 King St., Gananoque
Owens-Illinois of Canada Ltd.	50 Belfield Rd., Rexdale
Paradise Plastics Ltd.	R.R. # 1, London
Peerless Plastics Ltd.	2827 Howard St., Windsor
Permal (Canada) Ltd.	137 Kipling Ave. S., Toronto 18
Petco Products	78 Mack Ave., Scarboro
Plastic Pipes Ltd.	Dain Ave., Welland
Plasticraft Co.	63 Duke St., Toronto 2
Plastomer Limited	151 John St., Barrie
Plastilite Fabricating Ltd.	12 Hafis Road, Toronto 15
Plax Canada Limited	Victoria St., Georgetown
Potobak Plastics Ltd.	19 Belfield Road, Rexdale
Polybottle (1960) Limited	1925 Wilson Ave., Weston
Polyfiber Ltd.	148 Lochiel St. N., Renfrew
Porter D., Products Limited	37 Bruce St., Kitchener

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
Ontario - Concluded:	
Progress Smelting & Refining Co. Ltd.	83 Walnut Ave., Toronto 2 B
Protective Plastics Ltd.	84 Rainside Road, Don Mills
Provincial Plastics Ltd.	Hespeler
Quality Plastics Ltd.	350 Avon St., Welland
Ray Plastics Ltd.	15 Toryork Dr., Weston
R.B.R. Agencies	Lot 17, Conc. 7., Whitchurch Township
Reach Plastics & Chemicals Ltd.	101 William St., Cornwall
Reed Manufacturing Co.	136 Sears St., Toronto
Regent Containers Ltd.	30 Progress Ave., Scarborough
R.K. Tool & Plastics Ltd.	123 Manville Rd., Scarborough
Roberts Bros. Plastics Ltd.	170 Princess St., Hamilton
Robinson Industrial-Crafts Ltd.	310 Wellington Rd. S., London
Rose Plastics Ltd.	51 Jefferson Ave., Toronto 3
Rosedale Plastics International Ltd.	65 King St., Lindsay
Scepter Manufacturing Co. Ltd.	30 Cranfield Rd., Toronto 16
Sheller Manufacturing Corporation (Canadian Div.)	253 Queen St. E., Brampton
Shirlite Manufacturing Co. Ltd., The	91 Whitney Place, Kitchener
Smith and Stone Ltd. (Plastics Division)	Georgetown
Smithers of Canada Ltd.	376 Fairall St., Ajax
Somerville Plastics Ltd.	376 Orenda Rd., Bramalea
Spaulding Fibre of Canada Ltd.	70 Coronet Rd., Toronto 18
Sterling Plastic Manufacturing Co. Ltd.	38 Advance Rd., Toronto 18
Stor-Aid of Canada Ltd.	45 Forsythe St. S., Oakville
Stradwick Industries Ltd.	379 Highbury Ave., London
Strong Plastic Sales Ltd.	18 Curity Ave., Toronto 16
Structural Fibers (Canada) Ltd.	R.R. # 2, Stouffville
Sunglo Plastics of Canada, Ltd.	1293 Caledonia Road, Toronto 19
Taylor Chemical Foam Industries Ltd.	514 - 8th Line, Oakville
Textile Novelty Co.	30 DeQuincy, Downsview
Thermoset Plastics (Guelph) Ltd.	353 Elizabeth St., Guelph
Tilco Plastics Limited	475 Parkhill Rd., Peterborough
Tip Top Products Ltd.	181 Yonge St., Newmarket
Toronto Plastics Ltd.	15 Mobile Drive, Toronto 16
Trans-Canada Plastics Ltd.	70 Wingold Ave., Toronto 19
Triangle Plastics Ltd.	240 Glendale Ave., St. Catharines
Triton Industries Ltd.	362 King St. N., Waterloo
Trojan Bros.	232 Bathurst St. (Rear), Toronto 2 B
Tuoline Plastics Ltd.	70 Crockford Blvd., Scarborough
Tywood Industries Ltd.	95 Kenhar Dr., Weston
Ursini Plastics	15 Main St. N., Uxbridge
Vactor Advertising Specialties	5114 Dundas St. W., Islington
Vac-Craft Products Ltd.	511 King St. W., Toronto 2 B
Walter, John & Sons Ltd.	11 Hoffman St., Kitchener
Waldo Plastics (Canada) Ltd.	278 Davenport Road, Toronto 5
Wastek Plastics Limited	16 Cosentino Drive, Scarborough
Whitney Plastics Co.	131 Whitney Place, Kitchener
Wintrob, M. & Sons Canada Ltd.	260 Spandina Ave., Toronto 2 B
W.L. Moulding Company, The	136 Edward St., St. Thomas
Wolfe, William & Co.	9 McGee St., Toronto 8
Woodbridge Moulded Products Ltd.	20 Toro Rd., Downsview
Woolley, Glenn S. & Co. Ltd.	Box 315, Ajax
W.T. Plastics Ltd.	287 King St. E., Toronto 2
Yardley Plastics of Canada Ltd.	675 Richmond St., Chatham
York Plastic Industries	Carville Rd. W., Maple
Manitoba:	
Aakton Plastics Limited	362 Furby St., Winnipeg 2
Aerofam Chemicals Limited	1980 Main St., Winnipeg 2
Anglo Plastics Ltd.	1485 Wellington Ave., Winnipeg 21
Dawn Plastics Ltd.	803 Erin St., Winnipeg 10
Kustom Plastics, Manitoba Ltd.	739 Nassau St., Winnipeg 13
Plastic Film (Manitoba) Ltd.	114 Market Ave. E., Winnipeg 2
Plastic Windows Ltd.	803 Erin St., Winnipeg 10
Plastilam, Ltd.	306 Ross Ave., Winnipeg 2
Plaxlab Products Ltd.	591 Marjorie St., Winnipeg 21
Spacers Petrochemicals Ltd.	1462 Erin St., Winnipeg 3
Standard Plastic Co.	771 Main St., Winnipeg 4
Union Carbide Canada Ltd. (Visking Division)	cor. Waverley St. & Sommerville Ave., Fort Garry
Saskatchewan:	
Glassfibre Products Ltd.	Box 470, Wynyard
Styrene Industries Ltd.	Canadian Pacific Railway Roundhouse, Moose Jaw
Alberta:	
Acrylic Plastics Limited	Hanger 16, Municipal Airport, Edmonton
Alberta Plastic Laminators	7359 - 104 St., Edmonton
Alberta Polytubes Ltd.	12105 - 120th Ave., Edmonton
Aqua Tent Products Ltd.	13 Piron St., St. Alberta
Century Fiberglass Ltd.	Front 4112 - 16 A St. S.E., Calgary
Dymet Plastics Ltd.	82 Ave. & 50 St., Edmonton
Edmonton Plastics Ltd.	9850 - 62 Ave., Edmonton
Layfield Plastics Limited	121 - 121 Ave., Edmonton
Peterson Plastics	11929 - 156 St., Edmonton
Plastic Fabricators	12030 Fort Trail, Edmonton
Plastic Platemakers Ltd.	10056 - 109 St., Edmonton
Polychemical Industries Ltd.	Highway 14 E., Edmonton
Porto-Plastics Ltd.	Box 194, Mirror
Scott's Fiberglass Ltd.	4507 - 8 A St., N.E., Calgary
Solarlite Plastic Industries Ltd.	204 - 40 Ave., N.E., Calgary
Spencer-Lemaire Industries Ltd.	9160 Jasper Ave., Edmonton
Taylor Plastics Ltd.	733 - 735 - 10th Ave. S.W., Calgary

List of Establishments classified to This Industry, 1963 - Concluded

Name	Location
British Columbia:	
Canbri (B.C.) Ltd.	162 Water St., Vancouver 3
Columbia Plastics, Ltd.	2155 West 10th Ave., Vancouver 9
Condor Engineering, Ltd.	3910 Grant St., Burnaby 2
Davis, Clay	73-81 Alexander St., Vancouver 4
Delta Foam Board Insulation Ltd.	4907 Chisholm St., Ladner
Foamtex Manufacturing Ltd.	1415 Dominion St., North Vancouver
Granville Plastics & Specialties Ltd.	324 West 2nd Ave., Vancouver 10
Haida Designs	368 East Esplanade, North Vancouver
Hanson Plastics, Ltd.	1751 West 3rd Ave., Vancouver 9
Industrial Coatings, Ltd.	237 East 4th Ave., Vancouver 10
Listo Products, Ltd.	1716 East Hastings St., Vancouver 6
Marine Plastics Ltd.	678 Darwent Way, Annacis Industrial Estate, New Westminster
Pacific Plastics (of Canada) Ltd.	650 Industrial Ave., Vancouver 4
Polyethylene Bag Canada Ltd.	3602 Vanness Ave., Vancouver 16
Somerville Industries, Limited (Impac Western, Ltd.)	1636 West-1st Ave., Vancouver
T.K. Products, Ltd.	440 Brooksbank Ave., North Vancouver
Trans-Lite Plastics, Ltd.	8850 Selkirk St., Vancouver 14
Tuberculous & Chest Disabled Veterans' Assoc.	530 W. Broadway, Vancouver 9
Ultraluk Plastic Industry, Ltd.	898 River Drive, Richmond, Vancouver
Western Plasticraft Ltd.	882 East Cordova St., Vancouver 4
Westport Manufacturing Co. Ltd.	1355 Parker St., Vancouver 6
Union Carbide, Canada, Ltd. (Visking Division)	13221-76th Ave., Newton

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

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".

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