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CONCRETE PRODUCTS MANUFACTURERS

1965

For statistical purposes the industry titled Concrete Products Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing concrete products such as building blocks, brick, sewer pipe, tanks, poles, septic tanks. Establishments primarily engaged in manufacturing sand-lime bricks and blocks are also included. Establishments primarily engaged in mixing and delivering ready-mix concrete are classified in industry Ready-Mix Concrete Manufacturers. Figures on cement work undertaken by firms classified for statistical purposes in the area of construction are not included. The latter type of work has been covered in the annual survey of construction.

Value of shipments and other revenue (manufacturing and non-manufacturing) of the Concrete Products Manufacturers Industry amounted to \$195,544,000 in 1965, compared with \$167,850,000 in 1964 an increase of \$27,594,000 or about 18 per cent.

Cost of materials and supplies etc. (total inputs) in 1965 were reported at \$87,043,000, compared to \$77,384,000 in 1964.

It should be noted that Table 13 covers the shipments of the establishments classified to this industry, whereas Table 14 presents the total value of shipments of specific commodities of Canadian manufacture, and includes shipments of those commodities reported by establishments classified to other industries.

SYMBOLS

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

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

TABLE 1. Principal Statistics, 1961 - 65

Year and province	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000			\$'000	
1961													
Totals	617	6,356	13,952	22,578	3,603	44,322	111,836	65,500	301	797	8,503	32,975	68,165
1962													
Totals	616	7,139	15,953	27,246	3,946	53,043	129,792	74,560	331	900	9,156	37,492	77,424
1963													
Totals	600	7,126	15,613	27,620	3,983	57,666	133,845	72,741	285	855	9,317	38,647	75,558
1964													
Newfoundland	4												
Prince Edward Island	3	191	453	643	49	1,106	2,516	1,585	8	17	236	831	1,659
Nova Scotia	13												
New Brunswick	14	136	289	497	30	660	1,820	1,207	6	15	161	602	1,215
Quebec	192	2,298	5,409	9,068	1,020	17,572	42,821	24,728	111	325	2,814	11,557	24,785
Ontario	223	3,997	9,099	17,093	2,396	32,799	81,375	47,294	102	351	5,125	23,298	49,089
Manitoba	22	336	660	1,397	273	3,040	6,745	3,393	6	19	480	2,094	3,612
Saskatchewan	20	205	440	725	206	1,311	3,375	1,967	9	32	250	926	2,048
Alberta	41	542	1,154	2,362	249	5,691	12,265	6,745	6	19	722	3,424	6,785
British Columbia	51	362	733	1,547	179	3,371	6,885	3,383	22	56	437	1,942	3,726
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	583	8,067	18,238	33,332	4,402	65,552	157,802	90,301	270	835	10,225	44,674	92,920
1965													
Newfoundland	3	x	x	x	x	x	x	x	x	x	x	x	x
Prince Edward Island	3	9	18	26	3	46	145	97	x	x	11	34	97
Nova Scotia	13	58	127	201	35	553	1,316	719	5	18	75	288	737
New Brunswick	15	158	347	649	44	894	2,373	1,521	7	22	201	834	1,617
Quebec	185	2,587	6,079	11,551	1,169	22,313	54,681	31,468	90	295	3,124	14,363	31,547
Ontario	216	4,243	9,402	19,069	2,392	32,792	86,117	51,885	89	356	5,348	25,450	55,158
Manitoba	22	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	18	212	453	878	286	2,310	4,715	2,190	3	15	272	1,194	2,368
Alberta	37	590	1,328	2,777	252	7,704	16,433	8,595	4	12	770	3,859	8,656
British Columbia	49	418	837	1,981	206	4,205	6,103	4,217	13	39	533	2,596	4,695
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	561	8,765	19,682	39,367	4,704	75,099	183,680	106,130	218	778	10,988	51,697	110,754

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

Size group	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000			\$'000		\$'000		
1964													
Under \$10,000	81	43	77	83	6	157	484	330	73	140	54	103	333
\$ 10,000 to \$ 24,999	90	121	248	313	38	543	1,490	930	85	250	145	377	972
25,000 " 49,999	84	262	563	815	83	963	2,948	1,910	55	188	314	990	2,022
50,000 " 99,999	102	574	1,263	1,902	235	2,544	7,256	4,716	35	164	748	2,634	4,998
100,000 " 199,999	66	582	1,309	2,139	353	4,021	9,831	5,731	14	62	759	3,031	5,992
200,000 " 499,999	87	1,406	3,265	5,552	964	11,282	27,282	15,279	7	29	1,796	7,670	15,961
500,000 " 999,999	34	1,093	2,448	4,572	719	10,000	23,803	13,288	1	3	1,312	5,841	13,468
1,000,000 " 4,999,999	39	3,986	9,065	17,956	2,005	36,042	84,708	48,117	-	-	5,089	23,977	49,174
5,000,000 and over													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	51	(1)
Totals	583	8,067	18,238	33,332	4,402	65,552	157,802	90,301	270	835	10,225	44,674	92,920
1965													
Under \$10,000	57	23	46	49	4	117	353	248	50	105	31	66	252
\$ 10,000 to \$ 24,999	89	110	220	307	32	531	1,526	995	72	216	139	396	1,029
25,000 " 49,999	85	242	487	755	87	1,138	3,072	1,911	50	212	293	948	1,978
50,000 " 99,999	87	475	977	1,583	193	2,172	6,199	3,958	31	159	610	2,144	4,201
100,000 " 199,999	76	622	1,329	2,405	407	4,397	10,802	6,162	10	49	817	3,358	6,561
200,000 " 499,999	86	1,307	2,986	5,483	874	11,310	26,336	14,429	4	32	1,675	7,681	15,338
500,000 " 999,999	40	1,192	2,812	5,377	894	11,751	27,861	15,869	1	5	1,493	7,271	16,702
1,000,000 " 4,999,999	37	3,635	8,236	17,829	1,730	34,581	82,394	46,925	-	-	4,518	22,853	49,098
5,000,000 and over	4	1,159	2,589	5,580	483	9,103	25,137	15,634	-	-	1,404	6,922	15,596
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	58	(1)
Totals	561	8,765	19,682	39,367	4,704	75,099	183,680	106,130	218	778	10,988	51,697	110,754

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

Size group	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000			\$'000		\$'000		
1964													
Under \$10,000	126	89	172	196	27	426	1,104	648	116	263	109	240	724
\$ 10,000 to \$ 24,999	106	240	513	666	72	1,087	2,933	1,798	92	287	285	800	1,844
25,000 " 49,999	89	426	922	1,398	172	1,856	5,262	3,224	34	150	550	1,902	3,442
50,000 " 99,999	89	690	1,542	2,456	366	4,454	10,784	6,311	16	89	889	3,368	6,595
100,000 " 199,999	78	1,011	2,337	4,071	694	8,448	20,219	11,419	11	43	1,332	5,824	12,001
200,000 " 499,999	54	1,517	3,431	6,086	1,064	13,339	31,627	17,386	1	3	1,834	7,890	17,835
500,000 " 999,999	24	1,495	3,414	7,012	858	13,236	30,825	16,708	-	-	1,893	9,207	17,156
1,000,000 " 4,999,999	17	2,599	5,907	11,447	1,149	22,706	55,047	32,806	-	-	3,325	15,392	33,324
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	51	(1)
Totals	583	8,067	18,238	33,332	4,402	65,552	157,802	90,301	270	835	10,225	44,674	92,920
1965													
Under \$10,000	98	56	112	139	17	335	913	567	83	202	77	192	596
\$ 10,000 to \$ 24,999	105	230	464	680	79	1,092	2,876	1,751	75	271	275	837	1,816
25,000 " 49,999	95	440	896	1,426	181	2,263	5,810	3,447	40	181	558	1,900	3,622
50,000 " 99,999	90	679	1,470	2,560	432	5,190	12,007	6,575	13	75	891	3,561	7,089
100,000 " 199,999	71	910	2,016	3,740	637	7,799	18,170	10,073	2	12	1,195	5,378	10,810
200,000 " 499,999	52	1,334	3,142	5,957	1,016	12,476	29,267	16,226	5	37	1,650	7,978	16,778
500,000 " 999,999	27	1,256	2,775	6,208	842	14,534	32,885	18,150	-	-	1,599	8,267	18,787
1,000,000 " 4,999,999	23	3,860	8,808	18,655	1,499	31,411	81,751	49,340	-	-	4,735	23,526	51,309
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	58	(1)
Totals	561	8,765	19,682	39,367	4,704	75,099	183,680	106,130	218	778	10,988	51,697	110,754

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1964													
Under \$10,000	120	74	140	158	20	369	997	608	112	250	92	194	612
\$ 10,000 to \$ 24,999	107	236	502	653	74	1,068	2,858	1,746	94	291	278	778	1,799
25,000 "	85	388	837	1,265	145	1,693	4,811	2,947	35	156	499	1,706	3,062
50,000 "	95	708	1,589	2,463	374	4,389	10,800	6,391	17	92	913	3,389	6,750
100,000 "	78	984	2,275	3,942	700	8,355	19,853	11,193	11	43	1,285	5,558	11,529
200,000 "	56	1,509	3,438	6,149	1,063	13,016	31,469	17,431	1	3	1,842	8,065	18,069
500,000 "	24	1,466	3,263	6,697	765	12,918	29,864	16,246	-	-	1,854	8,776	16,480
1,000,000 "	18	2,702	6,195	12,006	1,261	23,745	57,151	33,740	-	-	3,454	16,156	34,619
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	8	51	(1)
Totals	583	8,067	18,238	33,332	4,402	65,552	157,802	90,301	270	835	10,235	44,674	92,920
1965													
Under \$10,000	96	53	106	130	16	325	886	549	81	199	74	182	555
\$ 10,000 to \$ 24,999	104	223	450	660	75	1,060	2,804	1,715	75	268	266	811	1,746
25,000 "	92	409	829	1,324	161	2,052	5,405	3,246	40	178	517	1,760	3,354
50,000 "	91	675	1,458	2,498	414	5,115	11,764	6,463	15	84	879	3,443	6,824
100,000 "	69	824	1,829	3,366	551	7,043	16,689	9,306	2	12	1,071	4,732	9,776
200,000 "	58	1,415	3,314	6,280	1,115	13,273	30,801	16,969	5	37	1,782	8,637	17,823
500,000 "	28	1,306	2,888	6,453	873	14,820	33,579	18,542	-	-	1,656	8,546	19,370
1,000,000 "	23	3,860	8,808	18,655	1,499	31,411	81,751	49,340	-	-	4,735	23,526	51,307
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	8	58	(1)
Totals	561	8,765	19,682	39,367	4,704	75,099	183,680	106,130	218	778	10,988	51,697	110,754

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1964													
Under 5 employed	222	267	553	727	95	1,473	4,059	2,519	197	534	321	889	2,579
5 - 14 employed	212	1,341	2,955	4,798	707	9,080	23,015	13,562	63	263	1,725	6,603	14,189
15 - 49 "	106	2,128	4,952	8,713	1,577	19,031	46,117	26,198	10	38	2,680	11,759	27,084
50 - 99 "	26	1,442	3,150	6,323	800	12,471	28,982	15,941	-	-	1,779	8,297	16,115
100-199 "	7	765	1,911	3,345	308	7,238	15,580	9,123	-	-	977	4,477	9,819
200-499 "	10	2,124	4,718	9,426	914	16,259	40,050	22,958	-	-	2,735	12,597	23,135
500 employed and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	8	51	(1)
Totals	583	8,067	18,238	33,332	4,402	65,552	157,802	90,301	270	835	10,225	44,674	92,920
1965													
Under 5 employed	214	278	558	830	117	1,991	4,867	2,883	160	494	356	1,109	2,972
5 - 14 employed	199	1,289	2,772	4,935	733	10,280	24,452	13,757	51	239	1,661	6,777	14,338
15 - 49 "	102	2,084	4,723	8,842	1,587	19,552	47,626	26,897	7	45	2,629	12,057	28,086
50 - 99 "	25	1,297	3,021	6,494	925	13,877	30,599	16,518	-	-	1,652	8,685	17,420
100-199 "	10	1,088	2,610	5,115	425	10,500	25,237	14,815	-	-	1,375	6,722	15,282
200-499 "	11	2,729	5,999	13,151	915	18,899	50,900	31,260	-	-	3,307	16,289	32,657
500 employed and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	8	58	(1)
Totals	561	8,765	19,682	39,367	4,704	75,099	183,680	106,130	218	778	10,988	51,697	110,754

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

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000		'000				'000		'000		
1964													
Individual ownerships	171	318	639	934	116	1,556	4,381	2,713	172	518	335	986	2,776
Partnerships	48	147	307	494	63	1,014	2,659	1,595	98	317	166	555	1,618
Incorporated companies	364	7,602	17,292	31,904	4,223	62,982	150,763	85,993	..	..	9,716	43,081	88,527
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	51	(1)
Totals	583	8,067	18,238	33,332	4,402	65,552	157,802	90,301	270	835	10,225	44,674	92,920
1965													
Individual ownerships	153	300	601	921	113	1,591	4,347	2,685	152	530	313	964	2,755
Partnerships	33	121	264	424	53	682	1,949	1,253	66	248	137	480	1,265
Incorporated companies	375	8,344	18,817	38,022	4,538	72,826	177,384	102,192	..	..	10,530	50,195	106,735
Co-operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	8	58	(1)
Totals	561	8,765	19,682	39,367	4,704	75,099	183,680	106,130	218	778	10,988	51,697	110,754

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
	\$'000					
Output						
1. Shipments and other revenue	157,802	83,680	10,048	11,864	167,850	195,544
Inventories— Goods of own manufacture:						
Add closing— Goods in process	2,708	3,495	...	..	2,708	3,495
Finished goods	14,825	15,228	...	...	14,825	15,228
Deduct opening— Goods in process	2,072	2,800	...	...	2,072	2,800
Finished goods	13,008	13,669	...	...	13,008	13,669
2. Net inventory change	2,453	2,254	...	...	2,453	2,254
3. Gross output (1 + 2)	160,255	185,934	10,048	11,864	170,303	197,798
Input						
4. Purchases of goods not of own manufacture .....	...	...	6,782	6,116	6,782	6,116
Inventories— Goods not of own manufacture:						
Add opening .....	...	...	457	607	457	607
Deduct closing .....	...	...	553	594	553	594
5. Cost of goods sold (not of own manufacture) .....	...	...	6,686	6,129	6,686	6,129
6. Materials, supplies, etc.	65,552	75,099	744	1,111	66,296	76,210
7. Fuel and electricity	4,402	4,704	...	...	4,402	4,704
8. Gross input (5 + 6 + 7)	69,954	79,803	7,430	7,240	77,384	87,043
Value added (3 - 8)	90,301	106,130	2,619	4,624	92,920	110,754

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office	Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distrib- ution	Total	
	Manufacturing		Other			Male	Female	Male	Female	Manufacturing	Other				
	Male	Female	Male	Female											
	number										\$'000				
1964															
Newfoundland															
Prince Edward Island	191	-	-	-	35	7	3	-	229	7	643	-	178	11	831
Nova Scotia															
New Brunswick	136	-	-	-	23	1	-	1	159	2	497	-	104	1	602
Quebec	2,296	2	14	-	375	80	46	1	2,731	83	9,068	92	2,140	257	11,557
Ontario	3,964	33	13	-	536	215	351	13	4,864	261	17,093	36	4,155	2,014	23,298
Manitoba	336	-	-	-	56	19	68	1	460	20	1,397	-	338	358	2,094
Saskatchewan	205	-	2	-	32	5	6	-	245	5	725	8	162	31	926
Alberta	542	-	-	-	128	20	32	-	702	20	2,362	-	852	210	3,424
British Columbia	362	-	-	-	62	10	3	-	427	10	1,547	-	382	13	1,942
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	8,032	35	29	-	1,247	357	509	16	9,817	408	33,332	135	8,311	2,896	44,674
1965															
Newfoundland	x	-	x	-	x	x	x	x	x	x	x	x	x	x	x
Prince Edward Island	9	-	-	-	2	-	-	-	11	-	26	-	8	-	34
Nova Scotia	58	-	-	-	15	2	-	-	73	2	201	-	87	-	288
New Brunswick	158	-	8	-	30	5	-	-	196	5	649	42	142	-	834
Quebec	2,585	2	13	-	384	91	48	1	3,030	94	11,551	85	2,403	323	14,363
Ontario	4,213	30	50	-	551	232	264	8	5,078	270	19,069	249	4,571	1,562	25,450
Manitoba	x	-	x	-	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	211	1	-	-	38	10	12	-	261	11	878	-	267	49	1,194
Alberta	590	-	3	-	124	19	34	-	751	19	2,777	3	852	226	3,859
British Columbia	418	-	13	-	83	14	5	-	519	14	1,981	73	502	40	2,596
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	8,732	33	91	-	1,296	394	432	10	10,551	437	39,367	470	9,269	2,590	51,697

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

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	5,463	25	6,611	23
February	5,536	26	6,518	23
March	5,957	23	6,830	21
April	6,486	23	7,271	21
May	7,057	22	7,873	24
June	7,657	23	8,409	24
July	7,729	23	8,499	20
August	7,835	27	8,662	20
September	7,790	30	8,603	30
October	7,947	65	8,318	65
November	7,751	65	7,970	65
December	6,741	43	7,256	42
Averages	7,007	33	7,737	31
Establishments reporting annual averages (small establishments only)	1,025	2	995	2
Average for all establishments	8,032	35	8,732	33

TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total Inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	x	x	x	x	x	x
Prince Edward Island	4	—	12	16	—	16
Nova Scotia	25	19	126	170	8	178
New Brunswick	114	78	129	322	4	326
Quebec	2,491	1,115	3,839	7,445	20	7,464
Ontario	2,902	1,074	6,176	10,152	404	10,556
Manitoba	x	x	x	x	x	x
Saskatchewan	182	—	522	704	16	720
Alberta	291	52	1,756	2,099	31	2,130
British Columbia	208	113	696	1,017	8	1,026
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	7,246	2,800	13,669	23,715	607	24,322
Closing:						
Newfoundland	x	x	x	x	x	x
Prince Edward Island	4	—	12	17	—	17
Nova Scotia	38	13	123	174	9	182
New Brunswick	211	157	136	504	10	514
Quebec	3,037	527	4,695	8,259	30	8,289
Ontario	3,836	1,563	6,640	12,039	358	12,397
Manitoba	x	x	x	x	x	x
Saskatchewan	229	—	593	822	18	840
Alberta	414	220	1,706	2,339	38	2,377
British Columbia	298	627	706	1,632	31	1,663
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	9,074	3,495	15,228	27,796	594	28,390

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	956	704	11
(b) Imported	"	15,011	15,366	201
Sub-bituminous coal (from Alberta mines only)	"	—	200	3
Anthracite coal	"	11	—	—
Lignite coal	"	—	18	—
Coke	"	134	2	2
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	3,696,134	3,943,852	1,433
Fuel oil including kerosene or coal oil	"	8,840,474	8,480,309	1,105
Wood	cord	67	79	1
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	403,939	359,828	85
(b) Other manufactured gas	M cu. ft.	—	—	—
(c) Natural gas	"	779,322	996,631	491
Other fuel .....	...	4	...	5
Electricity purchased	kwh.	47,836,033	53,982,190	905
Steam purchased .....	...	119	...	118
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	345	...	345
3. All establishments:				
Total fuel and electricity used .....	...	4,402	...	4,704

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

Description	1964		1965		
	Quantity	Cost	Quantity	Cost	
		\$'000		\$'000	
1. Materials used:					
Portland cement	bag	20,241,314	19,065	20,749,159	20,929
Quicklime	ton	42,950	511	12,968	197
Sand and gravel	"	5,210,893	8,840	5,414,561	8,626
Crushed stone	"	1,231,298	2,221	1,754,794	3,423
Cinders	cu. yd.	35,978	86	47,437	105
Reinforcing steel (wire, bar, mesh, etc.)	ton	62,395	12,328	81,008	15,476
Slag	"	372,624	1,467	352,196	1,477
All other materials and components used ¹ .....		..	13,105	..	14,946
2. Containers and other packaging materials and supplies used					
		..	343	..	635
3. Operating, maintenance and repair supplies used (excluding fuel)					
		..	7,044	..	8,221
4. Amount paid out to others for work done on materials owned by establishments					
		..	543	..	1,064
Totals .....		...	65,552	...	75,099

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$5,405,114 in 1964 and \$5,019,331 in 1965.

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

Description	1964		1965		
	Quantity	Value	Quantity	Value	
		\$'000		\$'000	
1. Products:					
Concrete bricks	M	110,262	3,882	93,041	3,067
Concrete blocks:					
Cinder	M	3,690	852	3,995	936
Gravel	M	152,502	33,436	146,159	33,381
Other aggregates (expanded shale, expanded slag, etc.)	M	36,774	10,727	38,805	11,570
Concrete chimney blocks	M	783	489	685	405
Concrete burial vaults	No.	11,188	521	13,370	679
Concrete pipe (sewer, water, drain) and culvert tile .....		..	35,861	..	41,369
Artificial stone .....		..	9,448	..	10,509
Concrete laundry tubs	No.	55,792	648	44,838	532
Ready-mixed concrete	cu. yd.	754,238	10,347	843,819	12,031
Other precast products (products for structural purposes such as columns, beams, tees, slabs, joists, piles, girders, decking, etc., both reinforced precast and precast-prestressed) .....		..	35,499 ¹	..	49,798
Sand-lime products:					
Sand-lime brick	M	79,878	2,406	69,265	2,637
Sand-lime blocks		-	-	1	1
All other products .....		..	14,099	..	16,771
2. Amount received in payment for work done on materials and products owned by others					
		..	928	..	674
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....		..	(1,341)	..	(1,727)
Net adjustment for establishments receiving progress payments		-	-	..	1,045
Total adjusted value of shipments and work done .....		...	157,802	...	183,680

¹ Included in "All other products".

Note: Data given in the above table are for the industry Concrete Products Manufacturers, which includes only the firms making these products as a major item. Items shown above were also made by firms classified to the industry, Ready-Mix Concrete Manufacturers. For total figures for selected items, see Tables 14A and B.

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

A. Principal Concrete Products, 1956-65

Year	Ready-mixed concrete	Concrete building blocks ¹			Concrete pipe, (sewer, water drain) and culvert tile	Concrete bricks	Artificial stone
		Cinder	Gravel	Other aggregates			
\$'000							
1956.....	75,907	3,668	24,325	5,702	18,761	5,253	4,608
1957.....	82,756	3,237	24,492	5,507	18,967	4,692	4,592
1958.....	91,362	3,342	29,163	5,809	24,245	6,944	5,514
1959.....	99,927	2,485	30,148	7,195	28,014	6,175	7,965
1960.....	102,976	1,502	27,449	8,234	27,110	5,000	7,389
1961.....	107,241	2,476	29,158	9,083	25,617	5,277	6,897
1962.....	134,077	2,766	31,898	10,231	28,063	5,097	9,825
1963.....	149,768	1,405	34,079	10,323	28,459	4,218	8,668
1964.....	181,553	956	34,525	11,059	37,019	4,081	9,723
1965.....	216,696	1,103	37,246	12,031	42,440	3,234	10,509

B. Principal Concrete Products, by Provinces, 1965

Products		Quebec	Ontario	Alberta	British Columbia	Other provinces	Canada
Concrete bricks ¹	M	28,005	44,659	618	16,383	9,386	97,751
	\$	779,265	1,515,432	21,379	628,906	335,243	3,234,219
Concrete blocks: ¹							
Gravel.....	No.	43,599,099	93,691,068	3,792,827	6,930,305	15,441,607	163,204,906
	\$	8,141,413	22,741,340	933,586	1,707,011	3,772,968	37,246,318
Cinder.....	No.	326,822	3,599,147	423,267	102,822	56,600	4,162,471
	\$	71,422	844,922	134,878	35,115	17,000	1,103,337
Other aggregates.....	No.	2,558,875	20,516,226	9,931,977	2,741,372	4,618,507	40,366,957
	\$	779,648	6,187,146	3,120,485	818,902	1,124,700	12,030,881
Concrete pipe (sewer, water, drain) and culvert tile.....	\$	19,329,381	14,492,871	2,795,612	2,769,784	3,051,552	42,439,260
Concrete, ready-mixed.....	cu. yd.	5,239,693	6,390,612	1,366,525	1,299,759	1,610,323	15,906,912
	\$	66,746,789	87,136,980	19,197,108	18,584,408	25,030,552	216,695,837

¹ Starting in 1960, firms were asked to report bricks in terms of "single brick equivalent" and blocks in terms of "8 inch block equivalent". For earlier years these products were not so defined and, therefore, quantity data for 1960 and subsequent years may not be exactly comparable with prior years.

List of Establishments classified to this Industry, 1965

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

Name	Location
Newfoundland:	
Dalley's Concrete Products Ltd.	Brook St., Stephenville
Lundrigan's Concrete Ltd.	Riverside Dr., Corner Brook
Wiseman, C.	Shoal Harbour
Prince Edward Island:	
Island Brickerete Products Ltd., The	149 North River Rd., Charlottetown
MacLeans Concrete Blocks & Tile	Montague
P.E.I. Concrete Products Ltd.	Pope Rd., Summerside
Nova Scotia:	
Bower, John C.	Lower Ohio
Chute, L.M. and D.L., Ltd.	Berwick
Everett, Clyde Ltd.	R.R. No. 3, Bridgetown
Falt, Mansfield	10 Main St., Antigonish
Freeman's Concrete Products	Main St., New Germany
Kentville Concrete Products Ltd.	205 Brooklyn St., Kentville
Nova Stone Ltd.	Dawn Dr., Dartmouth
Oakes Precast Concrete Co.	Waverley
Purney, Trefry	Arcadia
Shaw, L.E., Ltd.	387 Windmill Rd., Dartmouth
Shaw, L.E., Ltd.	Prince St., Sydney
Shaw, L.E., Ltd.	2658 Clifton St., Halifax
Walker, F.C., Ltd.	Aylesford
New Brunswick:	
Atlantic Concrete Products Ltd.	195 Main St., Bathurst
Belliveau, Camille	Shediac
Concrete Products Ltd.	161 Robinson St., Moncton
Dundee Cement Products Ltd.	Dundee
Frits, Henry	Hillstream, Apohaqui R.R. No. 2
Laundry, Jean Paul	Ste-Anne-du-Bocage
McLaughlin Concrete Products Ltd.	Tracadie
Madawaska Concrete Pipe	St-Jacques, Madawaska
Melanson, L., Concrete Products Co. Ltd.	St. Anselme
Miramichi Concrete Products	Chatham Head
Pelletier, Alphonse Esq.	St-Basile
Shaw, L.E., Ltd.	Rothesay Ave., Saint John
Strescon Ltd.	406 Chesley St., Saint John
Trappist Fathers of Rogersville	North Rogersville
Wilson Concrete Pipe Ltd.	Red Bank
Quebec:	
Ace Co., Ltd.	7470-18th Ave., St-Michel
All Con Precast Products Ltd.	50 Laflamme St., St-Jérôme
Arco Stone Co. Ltd.	6970 Molson St., Montreal
Aubert & Marois Enr.	St-Etienne-de-Lauzon
Audet, Gérard	49, rang de la Rivière, Notre-Dame-du-Bon-Conseil
Beaudry, H., Bloc de Ciment Co. Ltée	3631 de la Concorde St., St-Vincent-de-Paul
Beaulieu, Rosaire	Sully
Bélanger, J. Aimé	Rivière-Bleue
Belgo Stone Enr. 1965	5325 Papineau St., Montréal
Bergeron, Emile	217, rue Simard, St-Ambroise
Béton Provincial Ltée	Matane
Béton Provincial (Hauterive) Ltd.	Rue industrielle, Hauterive
Béton Vibré Ltée	1200 Récollets Blvd., Trois-Rivières
Bisson Construction Inc.	Chandler
Blocs de Ciment Audet Enr.	Rivière-Malbaie
Blocs de Ciment Enr.	167 Dubé St., Laurierville
Blocs de Ciment Montmagny Enr.	Rivière Nord, Montmagny
Boisclair et Frère	R.R. No. 11, Piedmont
Bolduc, Aimé et Fils Inc.	Ave. Duchesnav, Ste-Marie
Boudreault, Jean-Claude	Boul. Ducharme, La Tuque
Bourgon, Bruno	St-Polycarpe
Boyer, Hervé	Piedmont
Brique & Pierre Provinciales Inc.	Rte. 17, Ville de Vaudreuil
Brouillette, L.A.	145, rue de l'Eglise, St-Narcisse
Brucy Stone Enr.	102, rue Ranger, Île-Perrot
Brunet, R., Concrete Ltd.	330 Langlois Blvd., Valleyfield
Cal-Sil Products Ltd.	2920 Marie-Victorin Blvd., Jacques-Cartier
Calcaires Canadiens Ltd.	Hébertville Station
Canada Iron Foundries Ltd. (Pipe Divn.)	10350, boul Ray Lawson, Ville D'Anjou
Cap Stone Enr.	1525 des Laurentides Blvd., Chomedey
Casauhon, P.L. Inc.	St-Elizabeth
Castonguay, L., Enr.	St-Edouard
Chartier, Léo	331 Ruisseau St-Pierre, Joliette
Chicoine et Frères	229 Princiacle St., St-Dominique
Ciment L.L. Inc.	St-Grégoire
Ciment Michaud et Bédard Ltée	Malartic
Ciment Vibré Maniwaki	63 de la Montagne St., Maniwaki

List of Establishments classified to this Industry, 1965 - Continued

Name	Location
Quebec - Continued:	
Compagnie Miron Ltée, (Produits en Béton)	2201 Jarry St. E., St-Michel
Compagnie Montco Ltée	9821, rue Louzanne, Montréal-Nord
Concrete Laundry Tub Ltée	105 Jacoban St., St-Pierre
Construction St-Paul Ltée	7825, rue Brouillette, St. Hyacinthe
Côté, Mme, Emilio & Fils	990 Goupil St., Drummondville-Sud
Côte, Valère, Inc.	90 Dorchester St. S., Québec
Coupal, Gérard	Bréboeuf
Couture, Joseph	Rue Principale, St-Henri
Crabtree Cement Works	Crabtree
Creaghan and Archibald Ltd.	13838 Notre-Dame St. E., Pointe-aux-Trembles
Delco Stone Ltée	40 Greber Blvd., Pointe-Gatineau
Désormeaux, R. et R., Enr.	Lesage
Dilco Concrete Products Ltd.	8180 Hochelaga St., Montréal
Domaine d'Art et de Sculpture Inc.	1424 Pie IX Blvd., Montréal
Domtar Construction Materials Ltd. (Gypsum Divn.)	1595 St-Grégoire St., Montréal
Domtar Construction Materials Ltd. (Siporex Divn.)	Delson
Dorion Brique Inc.	Dorion
Doyon et Fils Enr.	Rte. 17, Beauceville-Ouest
Dunbrick Limitée	596 Price St., Chicoutimi
Duro Stone Ltd.	10369, rue Pelletier, Montréal Nord
Enterprises Drouin Enr.	St-Georges-Est
Enterprises Kelvo	Hauterive
Filion, Gédéon	70, rue Salaberry, Lac Mécantio-Sud
Flintkote Co. of Canada Ltd. (Van Packer Divn., The)	365 Broadway St., Montreal
Florida Patio & Ornaments	St-Basile-le-Grand
Francoeur & Frères Enr.	64, rue Principale-Sud, Windsor
Gaudréault, Mathilda	Mistassini
Gelinite Inc.	St-Georges-de-Champlain
Gendron, P.A., Inc.	165 Laurier Blvd., Ste-Rosalie
General Concrete Ltd.	130 Richer St., Ville St-Pierre
Genest, Emile, Esq.	St-Basile
Geoffrion, Aimé, Enr.	116, Chemin du Gouvernement, Ste-Julienne
Giacomo Bros. Stone Mfg. Co. Ltd.	9901, Parkway Blvd., Ville d'Anjou
Gosselin et Fils Ltée.	70 Smith Blvd. N., Thetford Mines
Grant Concrete Products Inc.	Douglaslow
Gratton, Maxima	Val Quesnel
Grenon Frères Ltée	Boul. St-Anicet, Bagotville
Guyno Enr.	935 Montée-Des-Trente, Beloeil
Hochelaga Pre-cast Structures Ltd.	St. Lazare Station, Vaudreuil
Hoffman Concrete Products (Canada Ltd.)	Pointe Gatineau
Hy-Grade Concrete Blocks Reg'd.	10 Monk St., Longueuil
Industrie Notre-Dame	8445 Notre-Dame St. E., Montreal
Jean et Frère Enr.	6132 - 18th Ave., Shawinigan
Jetté, C.H. Inc.	380, boul. Industrie, Joliette
Jlona, A.T. Inc.	New Carlisle
Johnson, A., Co. (Canada) Ltd.	1150 Marie-Victorin boul, Jacques-Cartier
Jutras, Conrad Inc.	Notre-Dame-du-Bon-Conseil
Jutras et Frère Ltée.	R.R. No. 4, Granby
Labelle, Léo	Ferme-Neuve
La Brique du Nord Ltée.	1074 Larivière St., Rouyn
La Cie des Produits Ciment de St-Jérôme Ltée.	Parent Ave., St-Jérôme
Lambert, Géo, Inc.	1000 Normand Blvd., Trois-Rivières
Lamoureux, Armand	1220, rue Maisonneuve, Magog
Lavoie Concrete Block Reg'd.	348 Ave. Noël, Sept-Îles
Leblanc et Frénette Enr.	9635-28th Ave., Rivière-des-Prairies
Le Bloc Vibré Inc.	1080 Panneton St., Sherbrooke
Le Ciment Barraute Ltée	Barraute
Leclerc, Raymond	73, rue du Pont, Pont-Rouge
Lemaire et Fils Inc.	3305 Howard, St-Hubert
Les Bétons Centrifuges Ltée	300, Canal Bank, Ville St-Pierre
Les Blocs Laurentiens	Lafontaine
Les Blocs de Ciment Beaulieu, Ltée.	473, rue Chartrand, Terrebonne
Les Ciments Décoratifs Enr.	Rue Notre-Dame-Est, Trois-Pistoles
Les Entreprises Frontenac Enr.	R.R. No. 2, Lac Mégantic
Les Industries Ciment Orléans Ltée	81, rue des Erables, St-Émile-de-Québec
Les Industries de Ciment Enr.	118, rue Cartier, La Guadeloupe
Les Industries de Tuyaux de Québec Enr.	1702 St-Valier St. W., Duberger
Les Industries Fortier Ltée.	140 Commercial St., St-Henri
Les Produits Ciment de l'Annonciation	L'Annonciation
Les Produits Ciment Dorion Inc.	190, rue Valois, Dorion
Les Produits de Béton Rimouski Inc.	Pointe-au-Père
Les Produits de Ciment de Barnston Enr.	Barnston
Les Produits de Ciment Leclerc Ltée.	St-Félicien
Les Produits de Ciment de Sherbrooke Ltée.	1376 Bourlase St., Sherbrooke
Les Produits de Ciment de Windsor Enr.	R.R. No. 5, Windsor
Les Produits de Ciment du Lac St-Jean Ltée.	Métabetchouan
Les Produits de Ciment St-Maurice Ltée.	1030 Viger St., Trois-Rivières
Les Produits de Ciment Tremblay Inc.	857, rue Missisquoi, Iberville
Les Spécialités de Tuyaux de Montmagny Enr.	Côte Nord, Montmagny
Les Tuyaux de Béton Mauricien Inc.	Prouxville
Les Tuyaux de Ciment de l'Islet Enr.	L'Islet
Les Tuyaux du Nord Enr.	Dupuy
Les Tuyaux Vibrés de Portneuf Enr.	St-Casimir
Les Tuyaux Vibrés Inc.	75 Dorchester St. S., Québec
Letendre Fernand Inc.	103 St-Denis St., Drummondville
L'Industrie de Ciment d'Alma Enr.	90, rue Desrosiers, Alma
Marble and Stone Products Ltd.	5255, Rang Nord, Montée Pincourt, Terrebonne
Marble Ornamental Enr.	7153 Waverly St., Montreal
Marble Works Inc.	6424 Clark St., Montreal
Martin et Fils Inc.	7190 Chambly Rd., St-Hubert
Martineau, Maurice	Dosquet
Mélançon et Fils Inc.	500 des Hêtres St., Grand'Mont
Morin, M. Adélar	St-Fabien

List of Establishments classified to this Industry, 1965 - Continued

Name	Location
Québec - Concluded:	
Muro Stone Ltd.	10100, rue Hôtel-de-Ville, Montréal-Nord
National Cut and Precast Stone (Québec) Ltd.	10459 Bellevois St., Montréal-North
New Stone Co.	789 Préfontaine St., Montréal-South
Pagé, J.M., et Frère Inc.	Charlesbourg-Ouest
Paquin & Fils Ltée	1055, boul. des Forges, Trois-Rivières
Patio Blocs Lemaire Enr.	2205, boul. Mercure, Drummondville
Pelchal, F.X. et Fils Inc.	Acton Vaic
Pelletier et Fils Enr.	St-Pacôme
Permaçon Inc.	117, rue Principale, Châteauguay
Perma-Crete Building Products	South Bolton
Perron, Gérard	18 St-Edouard St., Baie-St-Paul
Petit, L.P. Enr.	R.R. No. 1, Granby
Pétrin, et Frère Inc.	305 Gouin Blvd., Saint-Jean
Pierre Synthétique de Rimouski Enr.	Esprit-Saint Co. Rimouski
Pierrefonds Stones Reg'd.	12909, boul. Gouin W., Pierrefonds
Polybeton Inc.	2065, boul. Charest, St. Foy
Porète Co. (Canada) Ltd.	9500 St. Lawrence Blvd., Montréal
Portier Frères Ltée	8645 Casgrain St., Montréal
Prefac Concrete Co. Ltd.	8501, rue Ray Lawson, Ville d'Anjou
Produits Béton St-Fabien Enr.	St-Fabien
Produits de Ciment Couillard Ltée	340 Merrill St., Coaticook
Produits de Ciment Economiques Ltée	975 Pacific St., Lachine
Produits de Ciment Leclerc Ltée	Village Bellevue, St-Félicien
Proulx, Roméo, Esq.	St-Polycarpe
Rainville, Albert & Fils Inc.	91 Papineau St., Joliette
Rawdon Cement Works Co. Ltd.	Rawdon
Robitaille, Alfred	4205 - 5ième Ave., RR #1, Shawinigan-Sud
St-Germain, J.A., Inc.	2737 Mackay St., Laflèche
St-Louis, Mme J.R.	St-Ursule Station
St-Pierre, J.B., et Fils Inc.	26 St-Jacques St., Rimouski
Sarazin, Lucien, Enr.	1203 Thibeau St., Cap-de-la-Madeleine
Sayabec Ciment Enr.	Sayabec
Schokbeton Quebec Inc.	Hwy 8, St-Eustache
Security Chimneys Inc.	2205 Charland St., Montréal
Shawnee Precast (Montréal) Ltd.	8210 Laffenaie St., St-Léonard
Sticity Reg'd.	8025 Dante St., St-Michel
Silibeton Ltée	31 Gérouard St., Marieville
Silicament Inc.	3667, boul. Hamel, Les Saules
Silo Quebec Inc.	800, rue Notre-Dame, St-Sulpice
Soucy et Lécuyer Ltée	St-Rémi
Spancrete Limited	2914 Marie-Victorin Blvd., Jacques-Cartier
Théberge, Paul	1471 1ème Rue, St-Fabien
Tremblay, et Frère Enr.	Iberville
Trottier, Jude	R.R. No. 2, Victoriaville
Trudel, Alban	St-Séverin-de-Proulxville
Turcotte, J.M. Ltée	Trois-Pistoles
Tuyauterie Beauvillage Enr.	Beauvillage
Tuyaux Bellechasse Enr.	St-Raphael
Tuyaux Ciment Sherbrooke Inc.	2735, boul. Queen Nord, Sherbrooke
Universal Building Products Ltd.	1627 Notre Dame St. W., Montreal 13
Valleyfield Ornamental Stone	Rang Double, Valleyfield
Valois Stone	3830 Ontario St., Montréal
Variety Stone Enr.	376, Chemin Chambly, Longueuil
Vibrapre Concrete Products	1385 Laurentides Blvd., Vimont
Whissel, A.D.	R.R. No. 5, Lachute
Ontario:	
A.B.C. Structural Concrete Ltd.	2nd Line E, Brampton
Alcona Block Products	R.R.#2, Stroud
Anderson Block and Tile Ltd.	808 Fort William Rd., Port Arthur
Angelstone Ltd.	Concession Rd. N., Preston
Aristocrat Manufacturing Co. Ltd., The	77 Pelham Ave., Toronto
Artex Concrete Ltd.	205 Bowes Rd., Naple
Atlas Block Co. Ltd.	R.R. No. 1, 11 Richview, Islington
Babcock Supply Co. Ltd.	R.R. No. 6, Dresden
Babiuk Maurice Ltd.	Hwy. No. 7, Woodbridge
B and B Stone Ltd.	859 Fort William Rd., Port Arthur
B and D Concrete Products Ltd.	400 Canatara Park, Point Edouard
Bancroft Concrete Products Ltd.	Bancroft
Barber Building Blocks Ltd.	167 Inkerman St., Guelph
Barnett D., and Co.	298 Lawrence Ave., Kitchener
Barratt Precast Concrete Ltd.	536 Montrose Rd., Niagara Falls
Barratt Spun Concrete Pole Ltd.	536 Montrose Rd., Niagara Falls
Bass Lake Block and Tile	R.R. No. 2, Orillia
Bay Concrete Products Limited	225 Superior St., Hamilton
Beamsville Block Ltd.	Beamsville
Beer Precast Concrete Ltd.	110 Manville Rd., Scarborough
Belleville Brick Co. Ltd.	Cannifton Rd., Belleville
Belton Lumber Co. Ltd.	166 Devine St., Sarnia
Bestpipe Ltd.	245 Strassburg Rd., Kitchener
Belhel, A., and Son Ltd.	1600 Laperrière Ave., Ottawa
Bishop, H., and Sons	7 Woodworth Ave., St. Thomas
Blanchard Cement Prod.	Cross-Lake Rd., N. Cobalt
Boyd Bros.	Osgoode
Brampton Pre-Cast Concrete	82 Railroad St., Brampton
Brans Concrete Blocks	24 Savoy Ave., Toronto
Brantford Brick Ltd.	40 Charlton Ave., Brantford
Brantford Builders Supplies Ltd.	R.R.#4 Brantford
Brickcrete and Masonry Products	St. Joachim
Brooklin Concrete Products Ltd.	Hwy 12, Brooklin
Brooklin Concrete Products Ltd.	Yonge St., Newmarket
Brown's Concrete Products Ltd.	750 Long Lake Rd., Sudbury

List of Establishments classified to this Industry, 1965 - Continued

Name	Location
Ontario - Continued:	
Brunskill, William, Well Tile	16 Tait St., Huntsville
Burgess Builders Supply Ltd.	819-3rd St., Lakeview
Burlington Builders Supply Ltd.	1167 Petit Rd., Burlington
Canada Building Materials (London) Ltd.	1201 Brydges St., London
Canada Iron Foundries (Pipe Division)	60 Vulcan St., Rexdale
Canada Iron Foundries Ltd.	Metropolitan Rd., Scarborough
Canada Silo Co. Ltd.	Mutual St. Ingersoll
Canton, H., and Son	Wyoming
Caswell Concrete Products	R.R. 2, Hwy 17 N., Sault Ste-Marie
Central Precast Products Ltd.	Bongard Ave., Ottawa
Century Concrete Products Ltd.	Midland Ave., Scarborough
Churchill Bros.	Keswick
Coldstream Concrete Products	R.R. No. 2, Ilderton
Concrete Pipe Limited	134 Douglas St. W., Sudbury
Concrete Pipe Ltd.	Huron & Clarke Side Rd., London
Concrete Pipe Ltd.	940 Caledonia Rd., Toronto
Concrete Products	460-7th St. W., Cornwall
Con-Lite Products	37 John St., Cooksville
Consteel Concrete Steps Ltd.	1260 Dupont St., Toronto
Cooke, J., Blocks (Aldershot) Ltd.	St. Matthews Ave., Burlington
Cope, A., and Sons Ltd.	Laurier Rd., Bartonville
Crawford, Stanley (Concrete Blocks) Ltd.	Glen Rd., Hamilton
Cursio, M. and Son	4173 Dundas St. W., Toronto
Day and Campbell Ltd.	1074 Upper Wellington St., Hamilton
Debrandere F.N. (Cement Products)	R.R.#2, Delhi
Dellow, S.H., Ltd.	3054 Mavis Rd., Cooksville
Del Zotto Brothers Ltd.	Metcalf Rd., Ottawa
Dionne Concrete Products Ltd.	Earlton
Domtar Construction Materials Ltd., (Siporex)	R.R. No. 1, Scarborough
Doughty Concrete Products Ltd.	Chemong Rd., Peterborough
Duracan Precast Industries Ltd.	Britannia Rd., Malton
Durisol Materials Ltd.	St. George St., Mitchell
D.W.S. Concrete Products Ltd.	109 Niagara St., Toronto
Eagle Stone Co.	R.R. 1, Milliken
Eisinga, S.J. & Co.	20 John St., Lindsay
Emcrete Cement Products	227 Huron St., Clinton
Eric Concrete Products Ltd.	R.R. No. 9, London
Erin Tile Works	Eric
Fledco Concrete Pipe Ltd.	401 Monarch Ave., Ajax
Fleming Block and Supply Ltd.	4100 Cawthra Rd., Cooksville
Fonthill Concrete Products Ltd.	Hwy. 20, Fonthill
Forkie, J.L., and Sons	200 Hincas Ave. E., Rexdale
Frankford Concrete Pipe	Frankford
Fraser Duntile Co. Ltd. (Westboro Plant)	Clyde Ave., Ottawa
Gadshill Concrete	Gadshill
General Concrete Ltd.	Stone Rd., Thorold
General Concrete Ltd.	Hwy. 20 - QEW, Hamilton
General Concrete Ltd.	Gormley
General Concrete Ltd.	Maple
General Concrete Ltd.	Hwy 2, Iroquois
Grover Cast Stone	Gormley
Hafner, A., Cement Products	400 Mill St., Kitchener
Hagersville Concrete Tile Manufacturer	75 Main St., Hagersville
Hamilton Cement Products & Supplies	697 Parkdale Ave. N., Hamilton
Hallman Silo Co.	R.R. No. 3, Kitchener
Hambly Concrete Products Ltd.	Hwy 2 at Thickson Rd., Whitby
H. & K. Concrete Specialties Ltd.	135 Tollgate Rd., Brantford
Harbour Brick Co. Ltd.	499 Lakeshore Blvd W., Toronto
Henderson Concrete Products Ltd.	1089 Nelson St., Oshawa
Hill, Harold H., Esq.	Eugene & Dougall, Winosor
Hoffman Concrete Products Ltd.	R.R. No. 6, Pembroke
Huron Building Products Ltd.	103 Dufferin St., Orillia
Hutchins, Co. and Son	10 Foundry St., Leamington
Hy-Grade Concrete Co. Ltd.	290 Glendale Ave., St. Catharines
Ideal Cement Block Co. Ltd.	Hearst
Industrial Cast Stone Ltd.	Thornhill
International Block Co.	Fort Frances
Jason Manufacturing Co. Ltd.	R.R. No. 3, Beamsville
Kap Cement Works Ltd.	Kapuskasing
Keyworth Limited	140 Douglas St., Sudbury
Kitchener Silo Co. Ltd.	R.R. No. 4, Kitchener
Laird's Concrete Products	Dorchester
Lakefield Concrete Tile & Products	R.R. No. 2, Lakefield
Lakeview Cement Products Ltd.	1115 Peoples Rd., Sault Ste. Marie
Lars Concrete Products Co.	160 Toryork Dr. Weston
Leaside Block and Tile Ltd.	8 Industrial St., Toronto
Leblond, Fred, Window Sills	1337 St-Laurent Blvd., Ottawa
Leiden's Concrete Burial Vaults	Fenwick
Liberty, Daniel	R.R.#2, Thamesville
Lifetime Stone	2709 Montrose Rd., Niagara Falls
Lincoln Concrete Entreprises	118 Princeton Dr., Hamilton
Lockhart, Wallace	R.R. No. 1, Fingal
London Pre-Cast Products Ltd.	103 Falcon St., London
Lucas Concrete Products Ltd.	R.R. No. 8, London
Lucier Drainage Supplies Ltd.	R.R. No. 1, McGregor
MacDowell Cement Products Ltd.	Hwy 27, Brockville
Macoun Silos Ltd.	Campbellford
McKay, Cecil F & Sons Ltd.	Mill St. (Parkway) Kitchener
MacVicar, Russell Limited	9 Ivan St., Leamington
Maple Leaf Cement Works Co. Ltd.	21 A. Denison Rd. E., Windsor
Maple Precast Concrete	Maple
Marker, Gus Block & Tile Ltd.	725 Division St., Kingston
Mar-Vel Concrete & Tile Prod. Ltd.	2480 Hwy. 122, Clarkson

List of Establishments classified to this Industry, 1965 - Continued

Name	Location
Ontario - Concluded:	
Marvelstone	97 Cambridge St., Lindsay
Master Brick Ltd.	175 Cedar Ave., Richmond Hill
McGinnis Building Block Co. Ltd.	1771 Eagle St., Preston
Meteor Building Supplies Ltd.	1241 Kennedy Rd., Scarborough
Moose Creek Cement Products Ltd.	Moose Creek
Muskoka Concrete and Block	R.R. no. 1, Utterson
National Concrete Products Ltd.	79 Burlington St., Mimico
Newcastle Cement Block Co.	Newcastle
Newmarket Pre-Cast Concrete	R. R. No. 3, Newmarket
Newtonbrook Block and Supply Co. Ltd.	91 Abitibi Ave., Willowdale
Niagara Block Co.	938 Montrose Rd., Niagara Falls
North Bay Const. Products Ltd.	Airport Rd., North Bay
Northern Block and Building Supply Co.	77 River St., Party Sound
Nu-Rock Concrete Products	No 21, Hwy. 5, Thamesville
Oaks, J.D., and Son Ltd.	351 Elizabeth St., Guelph
Oakville Concrete Products	3019 Triller St., Oakville
Ontario Block and Tile Ltd.	Sunderland
Ontario Building Materials Ltd.	5 Grand Ave., Toronto
Ontario-Stress-Concrete Ltd.	840 Walker's Line, Burlington
Ormsby Concrete Products Limited	Meaford
Ornamental Concrete Industries	795 Kent St., Niagara Falls
Owen Sound Vault Works	875-15th St. E., Owen Sound
Oxford Silo and Concrete Products	Ingersoll
Paris Dunbrick Co. Ltd.	Paris
Pamell, L.O.	Leonard Rd., Timmins
Parry Bros. Concrete Products	R. R. No. 2, Port Perry
Patterson Concrete Products Ltd.	181 Hillendale Ave., Kingston
Pell Block Co. Ltd.	10 Side Rd., Brampton
Perfect Stone Co. Ltd.	Malton
Pink, C. J., and Son Ltd.	R.R. No. 8, London
Porter's Septic Tank Service	R.R. No. 4, Lucknow
Precast Building Products Co.	190 Bridgeland St., Toronto
Pre Cast Septic Tanks	R.R. No. 1, Glen Meyer
Precast Tank and Vault Co. Ltd.	Dirch's Rd., West Ferris
Precast Terrazo Tile Ltd.	Industrial Plaza, Cornwall
Pre-con Murray Limited	Richvale
Rainbow Cement Products Ltd.	2231 Lasall Blvd, Sudbury
Red Circle Concrete Products	11 Gilkinson St., Brantford
Reinke, Elmer A.	Eganville
Reliance Brick Co. Ltd.	3177 Hurontario Rd., Cooksville
Richmond Stone Products	R.R. No. 1, Richmond Hill
Richvale Block Supply Co. Ltd.	9137 Yonge St., Thornhill
Risi Stone Mfg. Co. Ltd.	163 Cedar Ave., Richmond Hill
Royal Manufacturing Co.	44 Lepage St., Downsview
Ryan Builders Supplies (Windsor) Ltd.	210 Detroit St., Windsor
St. Jacobs Tile Yard	Hwy. 85, St. Jacobs
Sandrin, Precast Ltd.	152 Toryork Dr., Weston
Sarnia Concrete Products	952 Murphy Rd., Sarnia
Sauble Colour Concrete Products	Massey
Sauvé, Dennis, and Sons Ltd.	Belle River
Scheel Industries Ltd.	Woodstock
Schulz Concrete Pipe Ltd.	479 Wendell Ave., Kitchener
Seaforth Sewer Tile Ltd.	R.R. No. 6, Brantford
Seal-Tile Concrete Burial Vault Co.	246 Scarlett Rd., Toronto
Shawnee Pre-Cast of Ottawa	Hwy 15, Bells Corners
Shouldice Cement Products Ltd.	Shallow Lake
Simcoe Block Co. Ltd.	113 Tiffin St., Barrie
Simfar Building Products Co. Ltd.	Chemong Rd., Peterborough
Southern Concrete Products Ltd.	100 Park Lane, Chatham
Standard Prestressed Structures Ltd.	Maple
Star Stone Products Ltd.	First St. S., St. Catharines
Stormont Concrete	R.R. No. 1, Cornwall
Storrar Ltd.	North Simcoe St., Oshawa
Storrar Ltd.	1070 Kiplin Ave. N., Rexdale
Superior Concrete Products (London) Ltd.	Lambeth
Superior Vault Co. Ltd.	Haines Rd., Cooksville
Taylor Interlocking Concrete Products	Hwy. 7, Madoc
Trenton Concrete Products	R.R. No. 4, Trenton
Twin City Dunbrick Co. Ltd.	158 McArthur Rd., Eastview
United Concrete Products Ltd.	566 D'Arcy St., Cobourg
Unit Precast Specialties Ltd.	Hwy. 7, Bells Corners
Unit Step (Ontario) Ltd.	65 Revell Ave., Woodstock
Urogi, Wm. Precast Cement Products	R.R. No. 8, London
Uxbridge Concrete Products	69 King St., Uxbridge
Van de Lagemaal, Gérard	R.R. No. 6, Dunnville
Watson Concrete Products Ltd.	252 Patterson Ave., Chatham
Weaver Concrete Products Ltd.	4231 Hurontario St., Cooksville
Weber, R. & P. Concrete Products Ltd.	R.R. No. 2, Breslau
Westlake, Habefter Concrete Products	Zurich
Weston Concrete	Wallacetown
Wice Concrete Products	Barrie
Wilkinson, W.E. Limited	Bridgeview
Wilson Concrete Products Ltd.	Wilson Ave., Belleville
Wilson's Concrete Products	Queen st., Omenee
Winona Concrete Products and Plastering Co.	Hwy. 8, 489 Main St. W., Grimsby
Wright, J.M., Ltd.	107 Shirriff Ave., North Bay
Wyevale Cement Block	Wyevale
Manitoba:	
Barkman Manufacturing Ltd.	Steinbach
Bergen Concrete Works	McPhillips St., Winnipeg
Dauphin Concrete Products Ltd.	Industrial Rd, Dauphin
Dick's Concrete Products	61 Burnett Ave., Winnipeg

List of Establishments classified to this Industry, 1965 - Continued

Name	Location
Manitoba - Concluded:	
Duracrete Building Products Ltd.	501 Pacific Ave., Brandon
Goossen, Elmer	57 Dawson Rd., St. Boniface
Kildonan Concrete Products Ltd.	600 Jamieson Ave., Winnipeg
Kruger, P. Concrete Products	835 Mission St., St. Boniface
Larch Concrete Products, Ltd.	Lot 77 Gateway Rd., Winnipeg
Lee Burial Vault Co. Ltd. (The)	Headingley
Lok-a-Block Supplies Brandon Ltd.	2506 Southern Ave., Brandon
Perma-Crete Mfg. Co. Ltd.	Clanwilliam
Pressure-Crete Ltd.	596 Nairn, Winnipeg
Pugh Concrete Products	Gladstone
R and D Concrete Products	224 Emerson Ave., Winnipeg
Selkirk Burial Vaults Ltd.	485½ Eveline St., Selkirk
Sifton Concrete Works	Sifton
South West Concrete Ltd.	Morton
Supercrete Ltd.	790 St. Joseph & 185 Dawson Sts., St. Boniface
Trevi-Tile Company	1500 Wall St., Winnipeg
Washington Drain Tile	671 Washington Ave., Winnipeg
Western Wilbert Ltd.	1213 Fife St., Winnipeg
Saskatchewan:	
Apex Concrete Products	1208 Central Ave., Saskatoon
Cindercrete Block Mfg. Co.	Swift Current
Cindercrete Products Ltd.	Hwy. 1, Regina
Commyne Concrete Products	Redvers
Concrete Drainage Pipe (Sak.) Ltd.	11th Ave. W., Saskatoon
Concrete Products Western Ltd.	5th Ave. & John St., Regina
Consolidated Industries Ltd.	Hwy No. 1 E., Regina
Dominton Concrete Products Ltd.	5 Railway Ave. & 101 St., North Battleford
Lloydminster Concrete Block and Pipe	Lloydminster
Mappin Concrete Products	45-9th St. N.W., Prince Albert
Nipawin Concrete Products Ltd.	Nipawin
Precast Concrete Co. Ltd.	950 Winnipeg St., Regina
Saskatoon Precast Concrete Ltd.	150-105 St., Saskatoon
Souris Valley Industries Ltd.	Weyburn
Suburban Industries Limited	1211 Ave. S., Saskatoon
Weldon's Concrete Products	1920-11th St. W., Saskatoon
Weston Construction Products (1964)	1801 Ontario Ave., Saskatoon
Yorkton Concrete Products Ltd.	Yorkton
Alberta:	
Alberta Dunbrik Co. Ltd.	5138-124 St. W., Calgary
Al-type Blocks Ltd.	17th St. & 110th Ave., Edmonton
Chemstone Veneering Co. Ltd.	424-6th St. N., Lethbridge
Concrete Drainage Pipe	6413-104 St., Edmonton
Con-Force Products Ltd.	Pearce Estate, Calgary
Con-Force Products Ltd.	130-125 Ave., Edmonton
Con-Force Products Ltd.	4th Ave. & 5th N., Lethbridge
Consolidated Concrete Ltd. (Block Division)	9th Ave. & 24th St. S.E., Calgary
Consolidated Concrete Ltd.	9740-53rd Ave., Edmonton
Consolidated Concrete Ltd.	11459-159th St., Edmonton
Consolidated Concrete Ltd.	5th Ave. & 28th St. E., Lethbridge
Consolidated Concrete Ltd. (Pipe Division)	2121-18th Ave. S. E., Calgary
Consolidated Concrete Ltd.	4413 Gaetz Ave. Red Deer
Eastend Block Co. Ltd.	East end
Edmonton Concrete Block Co. Ltd.	7425-120th Ave., Edmonton
Fenrick Prestressed Concrete Ltd.	90 Ave. & 45 St., Edmonton
H.O. Concrete Supplies Ltd.	12203-134 Ave., St. Albert Trail, Edmonton
Klimitt Concrete Ltd.	1010-2nd Ave. N., Lethbridge
Kruger Concrete Products (Calgary) Ltd.	6229 Centre St. S., Calgary
Kruger, P. Concrete Products Ltd.	6131-97th St., Edmonton
Lloydminster Pre-Kast Ltd.	36th & 52nd St. Lloydminster
Loder's Lime (Alberta) Ltd.	5504-3rd St. S.E., Calgary
Mackies's Concrete (Grimshaw) Ltd.	Grimshaw
National Concrete Block Co. Ltd.	14250-125th Ave., Edmonton
Nord Precast Concrete Ltd.	Lethbridge
Northwest Concrete	11505-99th St., Grand Prairie
Perma-Crete Precast	75th St. & 64th Ave., Edmonton
Proctor Concrete Products Ltd.	3620-15th St. S.E., Calgary
Ritz Construction Ltd.	6025-104th St., Edmonton
Stoy Concrete Products	66 Ave. & 12 St. S.E., Calgary
St. Paul Concrete Products Ltd.	St. Paul
Superior Cement Works	Ponoka
Tex-Crete Cement Products	1502-2nd Ave. S., Lethbridge
Toews Building Blox	102nd St. S.E., Linden
Vanguard Concrete Products Ltd.	7625-127th Ave., Edmonton
Westcon Construction Products Ltd.	4909-17th Ave. S.E., Calgary
Weston Block & Contracting	Westlock
British Columbia:	
Aldergrove Cement Tile Products	2437-272 St., Aldergrove
Birchall Construction Products	Dawson Creek
Brownsey, W.G. and Sons	Trans-Canada Hwy N., Dunsmuir
Canadian Colour Concrete Products	Cedar
Clearbrooke Tile Plant Co. Ltd.	Abbotsford
Coast Concrete Corp Ltd.	8290 Ontario St., Vancouver
Columbia Block & Brick Ltd.	Big Eddy District, Revelstoke

List of Establishments classified to this Industry, 1965 - Concluded

Name	Location
British Columbia - Concluded:	
Columbia Concrete Products and Erectors Ltd.	12109 - 86th Ave., N. Surrey
Concrete Casting Ltd.	566 Loughead Hwy., Coquitlan
Concrete Technology (BC Ltd.)	790 Nelson Rd., Richmond
Courtenay Concrete Products Ltd.	Cumberland Rd., Courtenay
Cowichan Concrete Pipe	Island Hwy. 5, Duncan
Croatto Precast Concrete Ltd.	335 - 15th Ave., Prince George
Dania Cement Products	Parson
Denstone Concrete Products Ltd.	976 Adair St., New Westminster
Dupont Cement Rings	R.R.No. 1, Cobble Hill
East Kootenay Block Co. Ltd.	Wattville Rd., Cranbrook
Facemaster Block Co. Ltd.	1650 W 1st St., North Vancouver
Felix Salvage & Exchange Ltd.	12890 - 112 Ave., North Surrey
Flint, C.W. (Jr.)	R.R.No. 2, Salmon Arm
Graybar Precast Ltd.	230 Brunette St., New Westminster
Island Pre-Cast Concrete	Island Hwy., Parksville
Kamloops Brick and Block Ltd.	Kamloops
Kendall Precast Limited	7488 Gilley Ave., Burnaby
Korpack Cement Products Co. Ltd.	154 Wellington St., Trail
Langley Concrete Tile Ltd.	20341 Fraser Hwy., Langley
Mount Ida Concrete Products Ltd.	4085 Power Ave, Salmon Arm
Nanaimo River Cement Products Ltd.	Cedar
Northern Concrete Products Ltd.	Prince, George
Ocean Cement Ltd. (2 plants)	1295 West 77th Ave., Vancouver
Osoyoos Tile Works	Osoyoos
Pacific Brick and Block Ltd.	813 - 475 Howe St., Vancouver
Pleasance Industries Ltd.	22927 Lougheed Hwy., Haney
Progress Cement Block and Tile Co. Ltd.	248 Fell Ave., North Vancouver
R and H Builders	Westside, Kamloops
Sanderson Cement Products Ltd.	1780 East Broadway, Vancouver
Sasges Cement Products Ltd.	R.R. No. 2, Vernon
Smithers Concrete Products	Hwy. 16, Smithers
Southern Okanagan Concrete Prod.	Osoyoos
Superior Concrete Products, Ltd.	551 Seymour Blvd., North Vancouver
Tremblay Concrete Products Ltd.	410 Wilson Rd, Dawson Creek
Valley Concrete Products Ltd.	324 Windsor Ave., Penticton
Wallace, Stan	Burns Lake
West Coast Concrete Works	Alberni
Westone Construction Co. Ltd.	260 Okanagan Ave. E, Penticton
Westone Construction Products Ltd.	4405 Pleasant Valley Rd., Vernon
Williams Concrete Co.	1025 Pender St. E., Vancouver
Wilson Pumice Products Ltd.	1146 St. Paul St., Kelowna

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

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

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

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

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

Establishment

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

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

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

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

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

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

Head Offices and Auxiliary Units

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

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

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

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

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

Employees

(a) Production and related workers – Manufacturing activities

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

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

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

(c) Administrative and office employees

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

(d) Sales and distribution workers

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

(e) Total Employees

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

Working Owners or Partners

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

Salaries and Wages

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

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

Fuel and Electricity

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

Materials and Supplies

(a) Manufacturing activities

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

(b) Non-manufacturing activities

1. Purchases for re-sale as such

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

2. Other materials and supplies used

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

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

Shipments

(a) General

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

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

(b) Shipments of goods of own manufacture

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

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

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

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

(c) Shipments of goods not of own manufacture

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

(d) Other revenue

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

Inventories

(a) Manufacturing activities

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



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

(b) Non-manufacturing activities

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

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of 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".