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ANNUAL



CEMENT MANUFACTURERS

1967

ANNUAL CENSUS OF MANUFACTURES

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CEMENT MANUFACTURERS
(S.I.C. 341)

1967

For statistical purposes the industry titled Cement Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing hydraulic cement, including Portland, natural masonry and puzzolan cements.

Value of shipments and other revenue of the Cement Manufactures industry totalled \$141.5 millions, a decrease of \$16.5 millions from 1966. This amount included shipments of Portland cement, masonry cement, pozzolana cement valued at \$139.3 millions, shipments of other products (secondary products) valued at \$500,000, and other revenue of \$1.7 millions.

The cost of materials and supplies, fuel and electricity, etc. (inputs) used in the production of goods of own manufacture, decreased by \$4.5 millions. Cost of inputs, in 1967, represented 30.0 per cent of the value of shipments of own manufacture (outputs) compared to 29.9 per cent in 1966.

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.

NOTES TO USERS

See inside back cover

TABLE 1. PRINCIPAL STATISTICS, 1961-67

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
<u>1961</u>													
Totals	20	2,557	5,644	12,923	16,262	14,359	107,246	76,423	-	-	3,590	19,255	76,971
<u>1962</u>													
Totals	20	2,629	5,810	13,743	17,719	16,221	116,706	83,622	-	-	3,679	20,636	84,166
<u>1963</u>													
Totals	20	2,526	5,549	13,534	17,920	16,292	122,179	87,816	-	-	3,566	20,558	87,881
<u>1964</u>													
Totals	20	2,502	5,522	13,942	19,354	16,593	133,299	95,402	-	-	3,592	21,289	95,097
<u>1965</u>													
Totals	22	2,644	6,039	16,185	22,515	19,767	144,842	104,081	-	-	3,837	24,422	104,045
<u>1966</u>													
Newfoundland	1	x	x	x	x	x	x	x	-	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	7	840	1,905	5,194	8,018	7,554	47,413	33,192	-	-	1,396	9,405	33,095
Ontario	6	880	1,986	5,773	9,430	6,320	53,750	38,625	-	-	1,190	8,022	38,595
Manitoba	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	2	x	x	x	x	x	x	x	-	-	x	x	x
Alberta	3	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	2	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	25	2,815	6,277	17,982	24,851	22,560	155,406	111,048	-	-	4,053	26,993	110,974
<u>1967</u>													
Newfoundland	1	x	x	x	x	x	x	x	-	-	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	7	822	1,825	5,116	6,201	5,744	33,037	22,994	-	-	1,459	9,921	22,592
Ontario	5	751	1,721	5,080	8,587	6,046	47,692	34,092	-	-	1,034	7,430	33,826
Manitoba	2	-	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	2	x	x	x	x	x	x	x	-	-	x	x	x
Alberta	3	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	2	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	24	2,654	5,860	17,456	21,889	21,038	139,772	100,496	-	-	3,972	27,389	100,296

TABLE 2. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON VALUE OF SHIPMENTS OF GOODS OF OWN MANUFACTURE, 1966 AND 1967

Size group	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	Value added
No.	'000	\$'000							\$'000	\$'000			\$'000
<u>1966</u>													
Under \$10,000	"	"	"	"	"	"	"	"	"	"	"	"	"
\$ 10,000 to \$ 24,999	"	"	"	"	"	"	"	"	"	"	"	"	"
25,000 " 49,999	"	"	"	"	"	"	"	"	"	"	"	"	"
50,000 " 99,999	"	"	"	"	"	"	"	"	"	"	"	"	"
100,000 " 199,999	"	"	"	"	"	"	"	"	"	"	"	"	"
200,000 " 499,999	13	901	2,017	5,372	5,539	5,197	36,207	26,642	"	"	1,171	7,079	26,674
500,000 " 999,999													
1,000,000 " 4,999,999	12	1,914	4,260	12,610	19,311	17,363	119,199	84,406	"	"	2,449	16,448	84,608
5,000,000 and over													
Head offices, sales offices and auxiliary units											433	3,466	(308)
Totals	25	2,815	6,277	17,982	24,851	22,560	155,406	111,048	"	"	4,053	26,993	110,974
<u>1967</u>													
Under \$10,000	"	"	"	"	"	"	"	"	"	"	"	"	"
\$ 10,000 to \$ 24,999	"	"	"	"	"	"	"	"	"	"	"	"	"
25,000 " 49,999	"	"	"	"	"	"	"	"	"	"	"	"	"
50,000 " 99,999	"	"	"	"	"	"	"	"	"	"	"	"	"
100,000 " 199,999	"	"	"	"	"	"	"	"	"	"	"	"	"
200,000 " 499,999	"	"	"	"	"	"	"	"	"	"	"	"	"
500,000 " 999,999	"	"	"	"	"	"	"	"	"	"	"	"	"
1,000,000 " 4,999,999	10	790	1,735	4,841	5,307	5,935	31,595	20,893	"	"	1,078	6,665	21,352
5,000,000 and over	14	1,864	4,125	12,615	16,582	15,103	108,178	79,603	"	"	2,460	17,044	79,363
Head offices, sales offices and auxiliary units											434	3,681	(421)
Totals	24	2,654	5,860	17,456	21,889	21,038	139,772	100,496	"	"	3,972	27,389	100,294

TABLE 3. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL EMPLOYED, 1966 AND 1967

Size group	Establishments	Manufacturing activity							Total activity					
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees			
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	Value added	
No.	'000	\$'000							\$'000	\$'000			\$'000	
<u>1966</u>														
Under 5 employed														
5-14 "	4	56	121	340	414	590	6,236	6,084	"	"	75	465	6,072	
15-49 "		4	284	629	1,764	3,214	4,102	16,773	10,220	"	"	349	2,187	10,196
50-99 "		11	1,243	2,701	7,914	10,339	8,595	62,837	44,527	"	"	1,638	10,582	44,571
100-199 "	6	1,232	2,826	7,984	10,883	9,273	69,561	50,217	"	"	1,558	10,294	50,443	
200-499 "														
500 employed and over														
Head offices, sales offices and auxiliary units											433	3,466	(308)	
Totals	25	2,815	6,277	17,982	24,851	22,560	155,406	111,048	"	"	4,053	26,993	110,974	
<u>1967</u>														
Under 5 employed														
5-14 "														
15-49 "	5	206	443	1,298	1,904	3,274	18,281	13,266	"	"	275	1,806	13,246	
50-99 "		14	1,521	3,318	10,176	12,151	10,902	76,271	54,503	"	"	2,093	14,185	54,842
100-199 "	5	927	2,100	5,982	7,835	6,862	45,220	32,727	"	"	1,170	7,718	32,622	
200-499 "														
500 employed and over														
Head offices, sales offices and auxiliary units											434	3,681	(421)	
Totals	24	2,654	5,860	17,456	21,889	21,038	139,772	100,496	"	"	3,972	27,389	100,294	

TABLE 4. EMPLOYMENT AND PAYROLL, 1966 AND 1967

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 distribution	Total	
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Male	Female				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female				
<u>1966</u>																
Newfoundland	x	-	x	-	x	x	x	-	x	x	x	-	x	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x	x
New Brunswick	x	-	-	-	x	x	x	-	x	x	x	-	x	-	x	x
Quebec	840	-	41	15	238	91	140	31	1,259	137	5,194	217	2,817	1,177	9,405	
Ontario	878	2	2	-	185	38	77	8	1,142	48	5,773	7	1,610	632	8,022	
Manitoba	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x	x
Saskatchewan	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x	x
Alberta	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x	x
British Columbia	x	-	x	-	x	x	x	-	x	x	x	-	x	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,813	2	60	15	668	172	268	55	3,809	244	17,982	333	6,410	2,267	26,993	
<u>1967</u>																
Newfoundland	x	-	x	-	x	x	x	-	x	x	x	-	x	x	x	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x	x
New Brunswick	x	-	-	-	x	x	-	-	x	x	x	-	x	-	x	x
Quebec	822	-	49	x	302	98	148	x	1,321	138	5,116	224	3,334	1,246	9,921	
Ontario	750	x	-	-	184	31	78	x	1,012	42	5,080	-	1,676	673	7,430	
Manitoba	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x	x
Saskatchewan	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x	x
Alberta	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x	x
British Columbia	x	-	x	-	x	x	x	-	x	x	x	-	x	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,653	x	62	x	749	171	270	56	3,734	238	17,456	292	7,266	2,385	27,389	

TABLE 5. INVENTORY, 1967

Province	Manufacturing				Non-manufacturing	
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total		
<u>Opening</u>						
Newfoundland	x	-	x	-	x	
Prince Edward Island	-	-	-	-	-	
Nova Scotia	x	-	x	-	x	
New Brunswick	x	-	x	-	x	
Quebec	6,903	854	2,474	10,231	54	
Ontario	5,575	519	1,719	7,813	-	
Manitoba	x	x	x	x	x	
Saskatchewan	x	x	x	x	x	
Alberta	x	x	x	x	x	
British Columbia	x	x	x	x	x	
Yukon and Northwest Territories	-	-	-	-	-	
Totals	18,270	4,061	6,662	28,992	133	
<u>Closing</u>						
Newfoundland	x	-	x	-	x	
Prince Edward Island	-	-	-	-	-	
Nova Scotia	x	-	x	-	x	
New Brunswick	x	-	x	-	x	
Quebec	5,785	1,666	3,563	11,014	51	
Ontario	5,012	910	2,360	8,282	-	
Manitoba	x	x	x	x	x	
Saskatchewan	x	x	x	x	x	
Alberta	x	x	x	x	x	
British Columbia	x	x	x	x	x	
Yukon and Northwest Territories	-	-	-	-	-	
Totals	16,941	6,031	8,342	31,315	167	

TABLE 6. PURCHASED FUEL AND ELECTRICITY USED, 1966 AND 1967

Description	1966		1967	
	Quantity	Cost	Quantity	Cost
1. Large establishments reporting commodity detail				
Bituminous coal:				
(a) From Canadian mines	ton	367,376	3,642	211,461
(b) Imported	"	580,511	6,081	481,997
Sub-bituminous coal (from Alberta mines only)	"	-	-	3
Anthracite coal	"	-	-	-
Lignite coal	"	429	7	481
Coke	"	-	-	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	223,548	76	241,225
Fuel oil including kerosene or coal oil	"	53,815,224	3,984	47,942,802
Wood	cord	-	-	-
Gas:				
(a) Liquefied petroleum gas:	Imp. gal.	47,847	11	42,224
(b) Other manufactured gas	M cu. ft.	-	-	-
(c) Natural gas	"	15,386,133	4,203	14,883,917
Other fuel	-	-	-	-
Electricity purchased	kwh.	1,111,525,900	6,847	1,000,215,025
Steam purchased	-	-	-	-
2. Small establishments not reporting commodity detail				
Estimate for fuel and electricity	-	-	-	-
3. All establishments				
Total fuel and electricity used .....	...	24,851	...	21,889

TABLE 7. MATERIALS AND SUPPLIES - MANUFACTURING ACTIVITIES, 1966 AND 1967

Description	1966		1967	
	Quantity	Cost	Quantity	Cost
1. Materials used:				
Limestone, purchased	1,424,349	1,432	766,691	926
Gypsum	396,628	2,482	349,594	2,212
Iron oxide	64,358	620	71,271	638
Silica sand	237,111	528	185,254	392
Shale	221,440	118	91,641	50
All other materials and components used .....	...	236	...	825
2. Containers and other packaging materials and supplies used:				
Paper bags, all kinds (including multi-wall shipping sacks) .....	..	2,894	..	3,205
All other .....	...	332	...	27
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	12,726	...	11,794
4. Amount paid out to others for work done on materials owned by establishments .....	...	1,191	...	968
Totals .....	...	22,560	...	21,889

TABLE 8. SHIPMENTS OF GOODS OF OWN MANUFACTURE, 1966 AND 1967

Description	1966		1967	
	Quantity	Value	Quantity	Value
			tons	\$'000
1. Products:				
Portland cement, all types	8,704,948	152,839	7,643,559	138,378
Masonry cement	248,453	5,248	260,818	5,937
Portland-pozzolana cement .....	...	(1)	...	(1)
All other products .....	...	577	...	478
2. Amount received in payment for work done on materials and products owned by others	-	-	-	-
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above	...	(3,259)	...	(5,020)
Total adjusted value of shipments and work done .....	...	155,406	...	139,772

(1) Included in "All other products".

TABLE 9. PRODUCTION IMPORTS AND EXPORTS OF CEMENT, 1966 AND 1967

	1966		1967	
	Tons	Value	Tons	Value
			\$'000	\$'000
Output	9,225,174	...	8,113,871	...
Shipments (sold or used by producers)	8,930,552	156,301	7,945,372	142,307
Stocks on hand December 31	838,341 ^F	...	1,006,840	...
Imports:				
Portland cement .....	...	...	14,969	386
Portland cement clinker (white)	17,290	456	14,969	386
Portland cement clinker (other)	23,624	942	22,891	870
Portland cement (white)	26,991	1,036	21,227	854
Cement, n.e.s.				
Exports:				
Portland cement	407,395	6,571	328,018	5,203
Apparent consumption(1)	8,573,772	...	7,661,472	...

(1) Imports of Standard Portland cement plus producers' shipments, less exports.

TABLE 10. PRODUCERS' SHIPMENTS AND APPARENT CONSUMPTION OF CEMENT, 1957-67

Year	Shipments (sold or used)		Imports	Exports	Apparent consumption(1)
	Tons	Value	Tons	Tons	Tons
\$'000					
1957	6,049,098	93,167	92,380	338,315	5,803,163
1958	6,153,421	96,414	41,555	141,250	6,053,726
1959	6,284,486	95,147	29,256	303,126	6,010,616
1960	5,787,225	93,261	22,478	181,117	5,628,586
1961	6,205,948	103,928	1,381	249,377	5,957,952
1962	6,878,729	113,234	2,973	219,164	6,662,538
1963	7,013,662	118,615	160	272,803	6,741,019
1964	7,847,384	130,704	250	297,669	7,549,965
1965	8,427,702	142,523	15,577	334,887	8,108,392
1966	8,930,552	156,301	50,615 ^F	407,395	8,573,772 ^F
1967	7,945,372	142,307	44,118	328,018	7,661,472

(1) Shipments plus imports less exports.

TABLE 11. PRODUCERS' SHIPMENTS,(1) OF CEMENT, BY MONTHS, 1966 AND 1967

Month	1966	1967	Month	1966	1967
	tons			tons	
January	329,906	311,325	August	1,071,738	939,548
February	413,152	298,184	September	1,024,884	885,276
March	553,991	430,750	October	970,794	862,203
April	599,289	523,297	November	697,123	669,515
May	881,628	800,115	December	424,031 ^c	387,888
June	1,045,387	877,682	Totals	8,991,637 ^c	7,892,810
July	979,714	854,736			

(1) Includes cement used at producers' own plants.

Note: Above breakdown developed from a special monthly report on cement and does not reconcile precisely with total shown on Table 9 or Table 10 because of the preliminary status of monthly data.

TABLE 12. MATERIALS USED: CEMENT MANUFACTURERS, 1958-67

Year	Cost of purchased portion of materials listed and other	\$'000	Shale	Limestone	Gypsum	Sand	Clay	Iron oxides(1)
			tons	tons	tons	tons	tons	tons
1958	4,698	433,633	8,473,596	293,514	185,522	1,014,063	31,148	
1959	3,757	382,975	8,175,733	278,298	227,216	930,829	29,920	
1960	2,542	259,121	7,965,872	262,002	242,139	886,839	28,556	
1961	3,141	265,206	8,145,376	297,785	207,118	909,227	31,140	
1962	3,814	294,973	9,294,196	326,674	219,193	1,047,731	38,465	
1963	3,953	297,265	9,384,412	323,234	262,381	1,025,896	35,483	
1964	3,814	299,328	10,275,353	359,988	195,408	1,085,225	40,896	
1965	4,903	347,981	11,517,771	405,889	297,126	1,193,290	59,757	
1966	5,416	575,122	12,374,564	411,751	363,213	1,261,656	64,358	
1967	5,043	443,975	11,058,249	372,128	293,189	1,146,172	71,271	

(1) Produced from iron pyrites by the chemical industry.

Note: Quantities include own raw materials and purchased materials.

TABLE 13. COAL USED: CEMENT MANUFACTURERS, 1958-67

Year		Canadian		Foreign	
		Tons	Value	Tons	Value
	\$'000		\$'000		\$'000
1958		521,552	5,804	548,293	5,767
1959		708,425	7,054	247,733	2,554
1960		535,847	5,026	241,709	2,507
1961		306,296	2,923	288,542	3,012
1962		460,352	4,317	173,240	1,826
1963		434,875	4,128	179,766	1,854
1964		474,413	4,563	200,702	2,039
1965		387,018	3,623	524,551	5,424
1966		367,376	3,642	580,940	6,088
1967		211,945	21,048	481,997	5,322

TABLE 14. NUMBER AND CAPACITY OF KILNS IN CEMENT PLANTS, 1957-67

Year		Total kilns		Kilns in use during the year	
		Number	Total capacity tons per year	Number	Total capacity tons per year
1957		39	7,076,620	39	7,076,620
1958		42	7,846,405	42	7,846,405
1959		42	8,135,120	39	7,927,070
1960		45	8,827,525	39	7,868,295
1961		45	8,833,628	40	8,059,561
1962		45	9,045,050	40	8,555,750
1963		46	9,405,800	40	8,734,500
1964		47	9,951,675	42	9,475,675
1965		51	11,060,375	49	10,701,087
1966		56	12,655,375	52	12,296,087
1967		56	12,655,375	46	10,902,195

LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1967

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

Name	Location
Newfoundland	
North Star Cement Ltd.	Corner Brook East
Nova Scotia	
Canada Cement Company Limited	Brookfield
New Brunswick	
Canada Cement Company Limited	Havelock
Quebec	
Canada Cement Company Limited	Hull
Canada Cement Company Limited	Lakefield Ave., Montreal East
Ciment Independent Inc.	Joliette
Ciment Lafarge Quebec Ltée	Ville St-Laurent
Ciment Quebec Inc.	St-Basile
La Cie des Ciments du St. Laurent	Villeneuve
Huron Compagnie Ltée	St-Michel
Ontario	
Canada Cement Company Limited	Pointe Anne
Canada Cement Company Limited	Woodstock
Lake Ontario Cement Limited	Picton
St. Lawrence Cement Co.	Clarkson
St. Mary's Cement Co. Limited	St. Mary's
Manitoba	
Canada Cement Company Limited	Fort Whyte
Inland Cement Industries Ltd.	Winnipeg
Saskatchewan	
Canada Cement Co. Ltd.	Floral
Inland Cement Industries Ltd.	Regina
Alberta	
Canada Cement Company Limited	Edmonton
Canada Cement Company Limited	Exshaw
Inland Cement Industries Limited	Edmonton
British Columbia	
British Columbia Cement, Div. of Ocean Cement Ltd.	Cobble Hill
Lafarge Cement of North America Ltd.	Richmond

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NOTES TO USERS

1. The detailed explanations of "Concepts and Definitions" omitted from this report may be consulted in any 1965 report in this series. If not available to the user, the relevant pages may be obtained free of charge from the Manufacturing and Primary Industries Division of the Bureau.
2. Tables on principal statistics classified by manufacturing value added, by total value added, and by type of organization, published in the 1966 report as Tables 3, 4 and 6, respectively, have been omitted from this report because of their limited interest. They are available, however, from the Manufacturing and Primary Industries Division. In the case of an extensive request involving a large number of industries, it may be necessary to levy a charge.
3. Users interested in obtaining the value of production (manufacturing activity) can do so by adding cost of materials and supplies used (manufacturing activity), cost of fuel and electricity, and value added (manufacturing activity). The resulting statistic is equivalent in concept to "gross output" shown in Table 7 of the 1966 report.

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