

44-204

The cement industry in Canada 1937

C 2

57-10-12-38

Published by Authority of the HON. W. D. EULER, M.P.
Minister of Trade and Commerce.

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)

Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

Statistician - Metal and Chemical Products: H. McLeod, B.Sc.

Mining Statistician: R. J. McDowell, B.Sc.

1. THE CEMENT MANUFACTURING INDUSTRY, 1937.

Canadian producers' sales of Portland cement in 1937 totalled 6,168,971 barrels valued at \$9,095,867 compared with 4,508,718 barrels at \$6,908,192 in 1936. The volume of sales and apparent consumption of cement in the Dominion during 1937 were the largest since 1931, in which year sales and consumption totalled 10,161,658 barrels and 10,085,986 barrels, respectively. The all-time high records in quantity and value of sales by the Canadian cement industry occurred in 1929 in which year producers' shipments totalled 12,284,081 barrels valued at \$19,337,235.

Reflected in the increased output of cement in 1937 by the four Canadian cement companies is the fact that all branches of the construction industry in Canada experienced better conditions during the year than have existed since 1931. According to the "MacLean Building Review", contracts awarded in Canada in 1937 amounted to \$224,056,700, an increase of 37.8 per cent over the 1936 total of \$162,588,000.

During the year under review, cement plants were operated in the provinces of Quebec, Ontario, Manitoba, Alberta, and British Columbia and of the total quantity of cement shipped by producers in 1937, 42.97 per cent came from Ontario plants, and 41.79 per cent from those located in the province of Quebec. Of the nine cement plants in production during 1937, seven employed the wet process of manufacture and one, the dry method; in addition, a single Canadian cement plant produced finished cement from purchased clinker.

Raw materials consumed by the industry in 1937 included 1,465,168 tons of limestone, 33,691 tons of gypsum, 9,281 tons of sand, 195,877 tons of clay, and 444 tons of pyrites. Electricity purchased during the year totalled 61,045,600 kilowatt hours valued at \$606,969 and coal consumed comprised 145,791 short tons of Canadian bituminous valued at \$760,766 and 90,925 short tons of imported bituminous at \$513,417. The total value of all fuels and electricity used by the entire industry in 1937 amounted to \$1,904,418 compared with \$1,576,142 in the preceding year.

In 1937 capital employed by the industry, and representing value of plants, stocks on hand, etc., was reported at \$54,150,672, employees totalled 1,083, and salaries and wages distributed aggregated \$1,373,444. Process supplies, other than fuels, consumed in 1937 were valued at \$540,915 and the net value of sales was estimated at \$6,650,534.

Imports into Canada in 1937 of Portland cement, including hydraulic or water lime, totalled 61,082 barrels valued at \$134,113 compared with 39,867 barrels at \$107,180 in 1936. Imports of cement manufactures in 1937 were appraised at \$45,744 compared with \$7,141 in the preceding year. Exports of Portland cement in 1937 totalled 72,568 barrels valued at \$82,978 as against 68,929 barrels at \$56,909 in 1936.

Data relating to world production of cement are not yet complete for 1937. World production has, however, shown unbroken annual increases from a depression low of 48,230,000 metric tons in 1933 to 75,080,000 metric tons in 1936.

Production of Portland cement in the United States in 1937 increased to 116,174,708 barrels and shipments to 113,804,782 barrels valued at \$166,835,208, according to statistics published by the United States Bureau of Mines; the average factory price per barrel in bulk was \$1.48 in 1937. Figures on special cements in the United States in 1937 show high-early strength Portland cement produced totalled 4,192,959 barrels and shipments from mills, 3,845,314 barrels at an average of \$1.86 per barrel. Masonry cement of the Portland cement class shipped totalled 273,144 barrels at \$1.33 per barrel. Low and moderate heat of hardening Portland cement, including Tennessee Valley authority Type B Portland cement, shipments from mills totalled 3,511,674 barrels at \$1.43 per barrel. Portland-Puzzolan cement, including cement reported as "High Silica" shipped from mills totalled 294,384 barrels at \$1.42 per barrel. Nine plants located in the oil-bearing States of California, Texas, and Wyoming reported production of 342,316 barrels of Portland cement adopted for use in grouting in oil wells. The United States Bureau of Mines comments on Puzzolanic material as follows - "The most widely used artificial Puzzolanic material in the United States is blast-furnace slag. Slag cements, corresponding in character with the ancient Puzzolanic cements, are made by mixing ground slag with the proper proportion of hydrated lime and grinding the mixture in a tube mill. The product of the mill is then calcined. To avoid confusion, it may be noted that slag is used as a cement constituent in three distinct ways, - (1) with limestone, as a raw material for making Portland cement, (2) with lime for making slag cement and (3) as a reactive agent in Portland-Puzzolanic cements. The addition of Puzzolanic materials to Portland cement has, in general, the effect of increasing the strength and chemical resistance of the concrete."

Table 1 - PRINCIPAL STATISTICS OF THE CEMENT MANUFACTURING INDUSTRY IN CANADA,
1935 - 1937.

	1935	1936	1937
Number of firms	4	4	4
Number of plants	9	9	9
Capital employed	\$ 52,454,004	53,343,991	54,150,672
Number of employees - On salary	78	84	100
On wages	846	968	983
Total	924	1,052	1,083
Salaries and wages - Salaries	\$ 150,587	173,001	211,778
Wages	\$ 876,829	1,023,663	1,161,666
Total	\$ 1,027,416	1,196,664	1,373,444
Selling value of products (Gross)....	\$ 5,580,043	6,908,192	9,095,867
Cost of fuel and electricity(b) ...	\$ 1,227,410	1,576,142	1,904,418
Cost of process supplies (c)	\$ 394,264	592,929	540,915
Net value of products sold	\$ 3,958,369	4,739,121	6,650,534
(a) Information not available.		(c) Other than item (b).	

Table 2 - WAGE-EARNERS ON 15th OF EACH MONTH, or NEAREST REPRESENTATIVE DATE, 1935,
1936 and 1937.

Month	1935	1936	1937	
			Quarry	Mill
January	705	765	66	691
February	660	748	55	729
March	671	815	65	782
April	687	1,027	126	865
May	802	1,124	117	868
June	920	1,061	136	954
July	937	1,084	140	955
August	947	1,038	140	950
September	1,042	1,049	139	947
October	964	1,048	141	941
November	943	983	129	935
December	896	860	81	866

Table 3 - NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT WHOSE REGULAR HOURS
PER WEEK WERE -

Hours	1935	1936	1937	Hours	1935	1936	1937
	Number	Number	Number		Number	Number	Number
40 or less ...	39	60	32	51 - 53	12	14	11
41 - 43	34	...	...	54 .....	...	58	47
44	246	262	212	55	18	17	...
45 - 47	2	25	1	56 - 59	88	128	127
48	493	440	552	60	110	105	123
49 - 50	5	1	1	60 plus	45	37	49

Table 4 - TOTAL FUEL AND ELECTRICITY USED IN THE CEMENT MANUFACTURING INDUSTRY, 1936
and 1937.

Unit of measure	1936		1937	
	Quantity	Value	Quantity	Value
\$	\$	\$	\$	\$
Bituminous coal - Canadian .. short ton	119,903	635,631	145,791	760,766
Imported .. short ton	66,460	367,740	90,925	513,417
Gasoline	Imp. gal. (x) 94,015	17,564	108,493	20,713
Kerosene	Imp. gal.	2,931	517	2,418
Fuel oil and diesel oil	Imp. gal.	13,589	1,478	15,982
Wood (cords of 128 cu.ft.) .. cord	...	...	61	228
Electricity purchased, including service charges	K. W. H.	62,038,700	553,212	61,045,600
TOTAL .....	\$	...	1,576,142	...
Process supplies used, ex- plosives, etc. ....	\$	...	592,929	...

(x) Exclusive of gasoline used in motor vehicles.

Table 5 - COAL USED IN CANADIAN CEMENT PLANTS, 1931 - 1937.

Year	CANADIAN		FOREIGN	
	Tons	\$	Tons	\$
1931	288,851	1,569,214	195,163	962,076
1932	120,296	652,734	90,718	440,546
1933	48,905	236,947	46,955	229,399
1934	69,853	367,880	60,877	330,432
1935	78,477	433,347	53,338	291,741
1936	119,903	635,631	66,460	367,740
1937	145,791	760,766	90,925	513,417

Table 6 - KILNS USED BY CANADIAN CEMENT INDUSTRY, 1931 - 1937.

Year	Rotary	Vertical	Total Daily Capacity
	Number	Number	Barrels
1931	43	1	42,422
1932	47	...	43,822
1933	41	...	43,622
1934	41	...	43,922
1935	20	...	32,650
1936	19	...	33,000
1937	18	...	33,900

Table 7 - QUANTITY AND VALUE OF ELECTRICITY PURCHASED BY CANADIAN CEMENT COMPANIES, 1931 - 1937.

Year	Kilowatt hours	\$(x)	Year	Kilowatt hours	\$(x)
1931	152,884,534	741,790	1935	51,958,859	494,538
1932	85,630,342	590,891	1936	62,038,700	553,212
1933	48,160,143	508,841	1937	61,045,600	606,969
1934	48,457,250	496,138			

(x) Includes service charges.

Table 8 - POWER EQUIPMENT IN CANADIAN CEMENT PLANTS, 1937.

Description	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total horse power (x)	Number of units	Total horse power (x)
Steam engines and steam turbines ...	1	7	2	50
Diesel engines	2	535	...	...
Gasoline, gas and oil engines, other than diesel engines	32	1,479	3	147
Hydraulic turbines or water wheels .	...	...	...	...
Electric motors -				
(a) Operated by purchased power ...	1,230	69,964	19	1,117
Total	1,265	71,985	24	1,314
(b) Operated by power generated by the establishment	10	756	...	...
Boilers	11	392	3	64

(x) According to manufacturers' rating.

Table 9 - SUMMARY STATISTICS OF CEMENT PRODUCTION, SALES, ETC., IN CANADA, 1936
and 1937.

	1 9 3 6		1 9 3 7	
	Barrels(x)	Value	Barrels(x)	Value
		\$		\$
Output	4,939,030	...	6,142,934	...
Sold or used	4,508,718	6,908,192	6,168,971	9,095,867
Stocks on hand December 31st	1,832,380	...	1,806,343	...
IMPORTS -				
Portland cement and hydraulic or water lime	39,867	107,180	61,082	134,113
Manufactures .....	...	7,141	...	45,744
TOTAL IMPORTS .....	...	114,321	...	179,857
EXPORTS -				
Portland cement	68,929	56,909	72,568	82,978
APPARENT CONSUMPTION	4,479,656		6,157,485	

(x)1 barrel = 350 pounds.

Table 10 - PRODUCTION and APPARENT CONSUMPTION OF CEMENT IN CANADA, 1926 - 1937.

Year	SOLD OR USED		APPARENT CONSUMPTION
	Barrels	\$	Barrels
1926	8,707,021	13,013,283	8,442,203
1927	10,065,865	14,391,947	9,835,525
1928	11,023,928	16,739,163	10,790,650
1929	12,284,081	19,337,235	12,105,950
1930	11,032,538	17,713,067	10,977,238
1931	10,161,658	15,826,243	10,085,986
1932	4,498,721	6,930,721	4,466,738
1933	3,007,432	4,536,935	2,974,020
1934	3,783,226	5,667,946	3,727,521
1935	3,648,086	5,580,043	3,610,217
1936	4,508,718	6,908,192	4,479,656
1937	6,168,971	9,095,867	6,157,485

Table 11 - PRODUCERS' SALES OF CEMENT IN CANADA, BY PROVINCES, 1935 - 1937.

Province	1 9 3 5		1 9 3 6		1 9 3 7	
	Barrels	Value	Barrels	Value	Barrels	Value
Quebec	1,751,012	2,472,008	2,093,130	2,945,074	2,578,623	3,537,798
Ontario	1,243,836	1,752,148	1,542,463	2,180,895	2,650,652	3,657,067
Manitoba	266,457	604,857	348,042	783,095	328,518	745,736
Alberta	219,555	436,914	243,534	482,197	267,106	531,541
British Columbia	167,226	314,116	281,549	516,931	344,072	623,725
CANADA	3,648,086	5,580,043	4,508,718	6,908,192	6,168,971	9,095,867

Table 12 - SELLING PRICE PER BARREL OF CANADIAN CEMENT, F.O.B. WORKS, 1931 - 1937.

Year	High	Low	Year	High	Low
	\$	\$		\$	\$
1931	2.60	1.28	1935	2.79	1.25
1932	2.55	1.25	1936	2.68	1.25
1933	2.55	1.25	1937	2.68	1.25
1934	2.36	1.25			

Table 13 - SPECIFIED MATERIALS USED IN CANADIAN CEMENT PLANTS, 1931 - 1937.

Year	Limestone	Gypsum	Sand	Clay	Pyrites
	Tons	Tons	Tons	Tons	Tons
1931	2,489,147	56,677	(a)	(a)	(a)
1932	1,141,376	27,538	(a)	(a)	(a)
1933	616,364	13,319	(a)	(a)	(a)
1934	806,546	19,172	(a)	(a)	(a)
1935	818,443	21,611	5,047	(a)	(a)
1936	1,180,358	25,447	8,549	94,943	(a)
1937	1,465,168	33,691	9,281	195,877	444

(a) Data not recorded.

Table 14 - VALUE OF CONSTRUCTION CONTRACTS AWARDED, BY PROVINCES, 1933 - 1937.
(MacLean Building Reports Ltd.)

Province	1933	1934	1935	1936	1937
Maritimes	7,218,700	9,968,600	14,373,500	17,908,800	21,557,200
Quebec	32,539,200	34,135,500	44,471,900	45,749,500	71,940,800
Ontario	42,573,400	63,358,300	70,872,800	72,393,300	97,777,400
Manitoba	2,138,000	3,905,000	8,744,400	6,994,400	7,945,100
Saskatchewan	775,200	1,563,200	3,841,300	2,200,600	6,704,900
Alberta	2,825,900	3,489,400	5,893,000	6,297,400	4,901,000
British Columbia.	9,219,400	9,391,500	12,108,100	11,044,000	13,230,300
CANADA	97,289,800	125,811,500	160,305,000	162,588,000	224,056,700

Table 15 - TOTAL COST OF MATERIALS USED BY THE CONSTRUCTION INDUSTRY IN CANADA, BY GROUPS AND PROVINCES IN 1935 and 1936.

Province	General and Trade Contract- ors and Sub- contractors	Municipal- ities	Harbour Commissions, Provincial and Dominion Government Departments	TOTAL COST
<u>1935</u>				
CANADA	76,342,622	5,194,279	13,196,683	94,733,584
Prince Edward Island ..	423,732	/	99,508	523,240
Nova Scotia	3,283,797	120,506	2,564,604	5,968,907
New Brunswick	2,640,856	261,745	1,250,908	4,153,509
Quebec	21,226,929	863,362	3,359,754	25,450,045
Ontario	33,500,293	2,647,503	4,051,612	40,199,608
Manitoba	4,451,635	312,631	625,915	5,390,181
Saskatchewan	1,940,022	93,633	254,866	2,288,521
Alberta	3,789,086	252,900	616,523	4,658,509
British Columbia and Yukon	5,086,272	641,999	372,793	6,101,064

* One report only. Included in third column

Table 15 - TOTAL COST OF MATERIALS USED BY THE CONSTRUCTION INDUSTRY IN CANADA, BY GROUPS AND PROVINCES IN 1935 and 1936. (concluded)

Province	General and Trade Contract- ors and Sub- contractors	Municip- alities	Harbour Commissions, Provincial and Dominion Government Departments	TOTAL COST
	\$	\$	\$	\$
<u>1936</u>				
CANADA	104,809,637	5,038,219	12,541,382	122,189,238
Prince Edward Island ..	195,937	<i>H</i>	129,747	325,684
Nova Scotia	4,454,010	131,995	1,557,399	6,143,404
New Brunswick	3,603,598	123,962	1,022,356	4,749,916
Quebec	29,561,130	932,141	2,574,280	33,067,551
Ontario	45,482,625	2,576,278	4,813,435	52,872,338
Manitoba	5,019,171	253,274	872,550	6,144,995
Saskatchewan	2,795,693	123,842	301,852	3,221,387
Alberta	3,238,754	231,349	727,580	4,197,683
British Columbia and Yukon	10,458,719	665,378	342,183	11,466,280

H Two reports only. Included in third column.
(Construction Branch - Dominion Bureau of Statistics.)

Table 16 - DESCRIPTION and TOTAL VALUE OF WORK PERFORMED IN CANADA BY GENERAL AND TRADE CONTRACTORS (including Subcontractors), MUNICIPALITIES, HARBOUR COMMISSIONS, PROVINCIAL AND DOMINION GOVERNMENT DEPARTMENTS in 1935 and 1936.

		1935	1936
		\$	\$
<u>Building Construction -</u>			
Dwellings, single .....	)	15,116,849	22,175,417
Dwellings, semi-detached or double .....	)	2,220,514	
Duplexes		1,542,112	2,840,487
Apartment houses		1,863,157	4,029,211
Hotels, clubs and restaurants		899,593	1,875,011
Churches and church halls .....	)	4,483,587	1,725,153
Schools and institutions .....	)	3,973,038	
Hospitals and sanatoria		2,827,099	3,518,696
Office buildings		3,850,234	4,517,444
Stores		3,058,955	5,781,560
Theatres		520,225	1,890,867
Factories and warehouses		9,745,156	17,206,512
Grain elevators		1,842,063	3,109,680
Garages		1,226,299	1,582,910
Farm buildings		417,808	777,063
Government and municipal buildings		16,024,971	12,791,733
Service stations		5,379,094	1,802,582
Mine buildings		430,986	6,430,177
All other building (unable to specify)		2,074,476	1,850,778
<u>Engineering Construction -</u>			
Paved streets and highways		20,352,881	22,575,420
Dirt or clay roads .....		...	3,683,735
Other streets and highways		32,868,422	25,299,212
Grading, scraping, oiling, filling, etc.		4,081,324	5,483,573
Roadside maintenance and area improvement		1,540,356	1,434,537

Table 16 - DESCRIPTION and TOTAL VALUE OF WORK PERFORMED IN CANADA BY GENERAL AND TRADE CONTRACTORS (including Subcontractors), MUNICIPALITIES, HARBOUR COMMISSIONS, PROVINCIAL AND DOMINION GOVERNMENT DEPARTMENTS IN 1935 and 1936 (continued)

	1 9 3 5	1 9 3 6
	\$	\$
<u>Engineering Construction (concluded)</u>		
Sidewalks	706,504	1,155,962
Fencing and guard rails	322,714	369,562
Signs and zone painting	222,080	218,572
Bridges, viaducts, etc.	5,032,710	8,256,629
Crossings, overhead .....	...	176,202
Culverts	1,215,237	1,309,011
Subways and tunnels	411,882	322,460
Watermains and waterworks systems and connections ..	4,858,700	4,100,030
Sewers and sewage disposal works	3,523,958	3,880,020
Open sewers or drains	487,959	647,586
Dams and reservoirs	870,326	1,134,120
Central electric stations, light and power plants ..	6,753,807	8,682,786
Installation of boilers and machinery	511,709	2,351,032
Transmission lines and towers	2,486,220	5,112,591
Railway construction work, steam and electric	493,690	708,482
Structural steel work	1,088,066	936,630
Aerodromes or landing fields .....	...	284,275
Wrecking and demolition	280,020	310,709
Park systems	1,777,745	1,426,396
Grounds and walks	272,635	
Underground conduits .....	...	179,278
All other engineering (unable to specify)	9,804,711	4,628,004
<u>Harbours, Rivers, etc.</u>		
Docks, wharves, piers and breakwaters	8,861,843	8,978,293
Retaining walls, embankments, dykes and defences ..	1,721,307	1,182,404
Canals and waterways	716,545	25,987
Dredging	7,395,725	4,397,359
Pile driving	170,320	125,901
All other works (unable to specify)	206,948	58,004
<u>Trade Construction -</u>		
Air-conditioning .....	...	68,322
Brick laying	371,090	926,389
Carpentry work	1,038,385	1,376,644
Commercial refrigeration .....	...	117,354
Concreting and cement work	1,947,402	1,092,831
Electrical work	2,239,733	4,367,579
Elevators, service	1,177,138	1,487,768
Excavating	625,080	626,738
Flooring, wood	111,559	199,372
Flooring, other .....	...	112,801
Glass and glazing	283,863	515,673
Heating and plumbing	9,103,277	14,065,174
Lathing, plastering and stucco	491,475	1,018,783
Masonry and stone work	465,175	307,632
Ornamental iron work	105,256	357,407
Painting and decorating	3,408,041	4,515,377

Table 16 - DESCRIPTION and TOTAL VALUE OF WORK PERFORMED IN CANADA BY GENERAL AND TRADE CONTRACTORS (including Subcontractors), MUNICIPALITIES, HARBOUR COMMISSIONS, PROVINCIAL AND DOMINION GOVERNMENT DEPARTMENTS IN 1935 and 1936 (concluded)

	1 9 3 5	1 9 3 6
Trade Construction (concluded)	\$	\$
Roofing, sheet metal	1,095,882	914,382
Roofing, all other	1,253,236	
Sheet metal work, other than roofing	1,584,745	2,451,464
Tiling and marble work	380,082	618,432
Weatherstripping and insulation	169,267	530,985
Sprinkler installation	331,342	369,977
All other trades (unable to specify)	555,708	939,850
TOTAL VALUE OF WORK PERFORMED	215,548,873	258,040,400

(Construction Branch - Dominion Bureau of Statistics)

DIRECTORY OF CANADIAN PORTLAND CEMENT MANUFACTURING COMPANIES, 1937.

<u>Name of Company</u>	<u>Head Office Address</u>	<u>Location of Plant</u>
QUEBEC -		
Canada Cement Company, Ltd.	Box 290, Station B, Montreal	Hull and Montreal East.
ONTARIO -		
Canada Cement Company, Ltd.	Box 290, Station B, Montreal, P.Q.	Belleville, Lake-field(x), and Port Colborne
St. Marys Cement Co. Ltd.	357 Bay St., Toronto	St. Marys
MANITOBA -		
Canada Cement Company, Ltd.	Box 290, Station B, Montreal, P.Q.	Fort Whyte and Steep Rock.
ALBERTA -		
Canada Cement Company, Ltd.	Box 290, Station B, Montreal, P.Q.	Exshaw
BRITISH COLUMBIA -		
British Columbia Cement Co.Ltd.	805 Government St., Victoria	Bamberton and Tod Inlet
Coast Cement Co. Ltd.	Granville Island, Vancouver	Granville Island.

(x) Idle in 1937.

Table 17 - INDEX NUMBERS OF CANADIAN WHOLESALE PRICES OF SPECIFIED BUILDING AND CONSTRUCTION MATERIALS AND OF GENERAL WHOLESALE PRICES, 1926 = 100.

Year	Building and Con- struction Materials	Lumber Index	Miscellan- eous Materials Index (x)	Paint Materials Index	Cement Index	General Wholesale Price Index
1913	67.0	67.4	67.1	57.5	90.9	64.0
1926	100.0	100.0	100.0	100.0	100.0	100.0
1927	96.1	97.5	95.7	92.2	94.0	97.7
1928	97.4	102.3	95.4	86.2	97.0	96.4
1929	99.0	103.5	96.3	92.0	100.2	95.6
1930	90.8	90.1	92.5	86.9	100.8	86.6
1931	81.9	77.4	89.4	69.1	102.3	72.1
1932	77.2	68.8	88.7	63.5	105.3	66.7
1933	78.3	70.8	88.4	66.2	105.5	67.1
1934	82.5	78.6	88.2	75.0	105.2	71.6
1935	81.2	77.8	87.0	71.1	105.2	72.1
1936	85.3	86.3	88.6	68.2	105.8	74.6
1937	94.4	98.1	95.9	74.6	106.2	84.6
January	90.0	92.7	92.2	70.7	106.2	81.9
February ...	91.8	96.1	93.0	70.6	106.2	82.9
March	97.3	104.5	96.5	72.7	106.2	85.4
April	98.2	105.0	97.0	76.8	106.2	86.2
May	98.0	104.9	96.7	76.6	106.2	85.3
June	96.4	101.1	96.7	76.0	106.2	84.6
July	95.7	99.5	97.1	75.8	106.2	87.6
August	95.4	98.6	97.2	75.7	106.2	85.6
September ..	94.3	96.4	96.9	75.6	106.2	85.0
October	92.6	93.5	96.1	75.4	106.2	84.7
November ...	91.8	92.4	95.4	74.8	106.2	83.1
December ...	91.7	92.5	95.3	74.3	106.2	82.7

(x) Determined partly from cement prices.

This statement supplied by the Internal Trade Branch, Dominion Bureau of Statistics.

Table 18 - WORLD'S PRODUCTION OF CEMENT, 1929, 1936 and 1937. (Taken from the Statistical Year-Book of the League of Nations)

NOTE - This table covers, as far as possible, both natural and artificial (Portland, etc.) cements. Cement is made by burning a mixture of calcareous and argillaceous materials and grinding the resulting clinker. For natural cement, the mixture used is found as such in nature; for artificial cements, the constituents are mixed in the desired proportions.

(Metric tons - 000's omitted)

Country	1 9 2 9	1 9 3 6	1 9 3 7
Africa	760	1,346	1,500
Algeria	58	67	...
Belgian Congo	60	21	...
Egypt	180	335	330
Morocco (French)	65	160	156
Mozambique	21	12	...
Tunis .....	...	49	56
Union of South Africa	376(a)	702	840

Table 18 - WORLD'S PRODUCTION OF CEMENT, 1929, 1936 and 1937. (continued)
(Metric tons - 000's omitted)

Country	1929	1936	1937(x)
North America	31,426	20,291	21,175
Canada	1,945	784	975
United States	29,481	19,507	20,200
Caribbean (Mexico) /	225	286	...
South America	650(x)	1,780	...
Argentina	350	869	1,010
Brazil	96	483	...
Chile	145	248	313
Colombia .....	...	105	...
Peru	49	75	83
Asia (x)	5,570	7,470	8,400(x)
China (1)	185	187	...
India	570	977	1,142
Netherland Indies	149	...	...
French Indo-China	184	149	235
Japan and col.	4,274	5,456	6,034
Palestine	69	165	158
Philippines	76	135	...
Siam	62	62	77
Syria and Lebanon .....	...	190	250
U.S.S.R.	2,367	5,845	...
Europe (x) (2)	34,190	37,500(x)	...
Germany (3)	7,039)	11,689	...
Saar	167)		...
Austria	582	369	...
Belgium (4)	3,248	2,350	...
Bulgaria	151	122	154
Denmark	799	792	676
Spain	1,820	...	...
Estonia	62	50	69
Finland	278	351	...
France	5,787	4,272	...
Greece	155	277	...
Hungary	403	215	...
Italy	3,497	3,859	4,258
Latvia	40	98	118
Norway	319	301	340(x)
Netherlands	210	401	441
Poland	1,008	1,048	1,284
Portugal	88	245	254
Roumania	317	376	389
United Kingdom	4,766	6,700	7,500
Sweden	570	795	...
Czechoslovakia(x)	1,250	1,050	...
Turkey	65	178	...
Yugoslavia	874	643	591
OCEANIA (x) (2)	920	850	...
Australia (a)	720	656	...
(x)TOTAL	75,880	75,080	...

(For Footnotes - see page 12).

FOOTNOTES TO TABLE 18.-

- (x) Estimate. (a) Twelve months ending 30. VI.
- / Country not included in the totals.
- (1) China: total shipments from "Customs ports", excluding Manchuria.
- (2) Europe, Oceania: total includes estimate for other countries not mentioned.
- (3) Germany: 1929, German Cement Association.
- (4) Belgium: artificial cement.

Table 19 - IMPORTS INTO CANADA and EXPORTS OF CEMENT, BY PRINCIPAL COUNTRIES, 1936 and 1937.

	1 9 3 6		1 9 3 7	
	Quantity Cwt.	Value \$	Quantity Cwt.	Value \$
IMPORTS				
Cement, Portland, and hydraulic or water lime -				
From - United Kingdom	82,517	48,011	72,368	46,726
United States	37,406	47,602	37,154	51,660
Belgium	16,823	9,533	102,056	34,659
Other countries	2,790	2,034	2,209	1,068
TOTAL	139,536	107,180	213,787	134,113
Cement manufactures, n.o.p. .....	...	7,141	...	45,744
TOTAL IMPORTS .....	...	114,321	...	179,857
EXPORTS				
Cement, Portland -				
To - United Kingdom .....	...	...	...	...
United States	8,665	7,172	6,903	5,981
Trinidad and Tobago	38,794	8,752	72,619	23,064
British Guiana	20,854	5,826	25,689	9,484
Other British West Indies ..	54,363	13,443	51,840	17,523
Newfoundland	58,812	8,369	27,380	8,942
Colombia .....	...	...	23,750	6,243
Peru	23,687	3,942	28,403	6,216
Other countries	36,078	9,405	17,405	5,545
TOTAL	241,253	56,909	253,989	82,978

2. THE CEMENT PRODUCTS INDUSTRY, 1937.

Production of manufactured cement products in Canada during 1937 was valued at \$3,299,331. This output was the best reported for the industry since 1931 when the value amounted to \$3,807,188 and it was almost double the total of \$1,713,347 reported for 1936. The increase over last year, however, was due chiefly to the inclusion, for the first time, of the output of ready-mixed concrete which formerly was not classed as a manufactured product. The output of ready-mixed concrete in 1937 was valued at \$1,230,451.

A total of 109 plants operated in this industry during 1937, there being 66 in Ontario, 25 in Quebec, 8 in British Columbia, 3 in New Brunswick, 1 in Nova Scotia, and 2 in each of Manitoba, Saskatchewan and Alberta. Many of these works were quite small, there being 51 with outputs of less than \$5,000 each while 44 were in the \$5,000 to \$50,000 group and only 14 were above \$50,000. The Ontario plants accounted for 61 per cent of the total production; establishments in Quebec contributed 30 per cent, and works in British Columbia accounted for more than 7 per cent, the remaining 2 per cent being distributed among New Brunswick, Nova Scotia, Manitoba, Saskatchewan and Alberta.

Products of the industry included hollow building blocks of cement worth \$380,008, cement pipe of all kinds at \$377,806, cinder blocks at \$208,149, artificial stone at \$188,021, cement bricks at \$146,522, and such other lines as ready-mixed cement, haydite blocks and slabs, burial vaults, garden furniture, etc.

Data presented for this industry cover manufacturing only and do not include figures for the cement work done on the building of bridges, dams, foundations, etc.; this type of work has been covered in the annual survey of construction.

Table 20 - PRINCIPAL STATISTICS OF THE CEMENT PRODUCTS INDUSTRY, 1925 - 1937.

Year	No. of operating plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
1925	197	2,594,736	819	697,716	40,442	730,296	2,020,239
1926	185	2,857,752	922	778,662	70,815	880,041	2,544,242
1927	151	2,671,273	872	936,053	56,576	912,636	2,663,065
1928	151	4,140,543	1,262	1,466,508	73,825	1,261,653	4,136,955
1929	153	5,024,497	1,347	1,608,238	84,130	1,502,952	4,419,417
1930	146	5,157,051	1,252	1,414,043	86,188	1,261,910	3,718,704
1931	157	5,081,227	1,166	1,296,250	83,032	1,245,483	3,807,188
1932	118	4,461,574	710	684,371	57,072	697,483	1,771,297
1933	85	3,545,805	460	592,941	42,482	625,525	1,596,998
1934	88	3,285,150	489	405,028	42,107	444,274	1,042,258
1935	94	3,024,286	519	451,625	37,176	459,296	1,154,138
1936	97	3,053,745	602	569,209	50,036	763,021	1,713,347
1937	109	3,695,565	840	804,024	57,511	1,566,870	3,299,331
% change 1937 from 1936	+12.4	+21.0	+39.5	+41.3	+14.9	+105.3	+96.7

Table 21 - PRINCIPAL STATISTICS OF THE CEMENT PRODUCTS INDUSTRY, BY PROVINCES,
1936 and 1937.

Province	No. of operating plants	Average Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value at works
		\$	\$	\$	\$	\$	\$
<u>1936</u>							
Nova Scotia	1)	19,702	9	3,856	124	3,906	11,373
New Brunswick ..	2)						
Quebec	22	895,940	125	104,364	14,954	103,109	260,035
Ontario	59	1,677,657	387	371,300	28,242	461,383	1,100,315
British Columbia	8	332,630	56	68,912	6,368	179,411	291,713
Manitoba	2)						
Saskatchewan ...	1)	127,816	25	20,777	348	15,212	49,911
Alberta	2)						
CANADA	97	3,053,745	602	569,209	50,036	763,021	1,713,547
<u>1937</u>							
New Brunswick ..	3	19,739	4	1,620	155	1,984	8,493
Quebec	25	1,231,444	241	214,559	17,417	519,966	967,724
Ontario	66	2,136,477	529	523,100	37,069	891,536	2,018,530
British Columbia	8	167,384	34	38,805	2,135	132,842	246,295
Nova Scotia	1)						
Manitoba	2)	140,521	32	25,940	735	20,542	58,289
Saskatchewan ...	2)						
Alberta	2)						
CANADA	109	3,695,565	840	804,024	57,511	1,566,870	3,299,331

Table 22 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES, and CAPITAL EMPLOYED, 1937.

	Number of plants	Average Capital employed	Average number of employees	Gross selling value of products at works
		\$	\$	\$
<u>(a) PRODUCTION</u>				
Under \$5,000	51	387,828	85	117,766
\$5,000 to \$10,000	16	210,116	65	108,846
\$10,001 to \$25,000	16	382,484	113	228,697
\$25,001 to \$50,000	12	586,680	143	397,722
Over \$50,000	14	2,128,457	434	2,446,300
TOTAL	109	3,695,565	840	3,299,331
<u>(b) EMPLOYEES</u>				
1 or 2	46	352,073	63	111,869
3 to 10	43	935,837	234	780,215
11 to 20	11	572,041	154	550,937
Over 20	9	1,835,614	389	1,856,310
TOTAL	109	3,695,565	840	3,299,331
<u>(c) CAPITAL</u>				
Under \$25,000	79	561,298	258	526,346
\$25,000 to \$100,000	18	840,666	169	717,467
Over \$100,000	12	2,293,601	413	2,055,518
TOTAL	109	3,695,565	840	3,299,331

Table 23 - CAPITAL EMPLOYED IN THE CEMENT PRODUCTS INDUSTRY, BY PROVINCES, 1936
and 1937.

Province	Present value of lands, buildings, materials on hand, fixtures, machinery and tools	Inventory value of finished products and stocks in process	Cash, bills and accounts receivable, prepaid ex- penses, etc.	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1936</u>				
Nova Scotia and				
New Brunswick	12,898	5,620	1,184	19,702
Quebec	708,142	105,561	82,237	895,940
Ontario	1,022,775	340,840	314,042	1,677,657
British Columbia ..	176,444	14,451	141,735	332,630
Other provinces ...	95,856	10,511	21,449	127,816
CANADA	2,016,115	476,983	560,647	3,053,745
<u>1937</u>				
New Brunswick	14,198	2,861	2,680	19,739
Quebec	937,046	128,284	166,114	1,231,444
Ontario	1,350,515	329,536	456,426	2,136,477
British Columbia ..	136,653	10,287	20,444	167,384
Other provinces ...	106,725	14,601	19,195	140,521
CANADA	2,545,137	485,569	664,859	3,695,565

Table 24 - EMPLOYEES, SALARIES and WAGES IN THE CEMENT PRODUCTS INDUSTRY, BY PROVINCES,
1936 and 1937.

Province	Average number of employees						Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		Male	Female			
	Male	Female	Male	Female		TOTAL			
<u>1936</u>									
Nova Scotia and	.	.	.	.	.	.	.	\$	\$
New Brunswick	2	...	7	...	9	1,300	2,556	3,856	
Quebec	30	1	94	...	125	37,582	66,782	104,364	
Ontario	69	9	304	5	387	105,561	265,739	371,300	
British Columbia ..	17	1	38	...	56	20,910	48,002	68,912	
Other provinces ...	6	1	18	...	25	8,506	12,271	20,777	
CANADA	124	12	461	5	602	173,859	395,350	569,209	
<u>1937</u>									
New Brunswick ....	...	...	5	...	4	...	1,620	1,620	
Quebec	43	2	196	...	241	49,771	164,788	214,559	
Ontario	89	12	423	5	529	135,658	387,442	523,100	
British Columbia ..	11	1	21	1	34	19,112	19,693	38,805	
Other provinces ...	9	2	21	...	32	11,406	14,534	25,940	
CANADA	152	17	665	6	840	215,947	588,077	804,024	

Table 25 - WAGE-EARNERS IN THE CEMENT PRODUCTS INDUSTRY, BY MONTHS, 1936 and 1937.
(On the 15th or nearest work day)

Month	1 9 3 6			1 9 3 7		
	Male	Female	TOTAL	Male	Female	TOTAL
January	261	4	265	414	6	420
February	292	4	296	430	6	436
March	366	4	370	489	6	495
April	430	5	435	617	6	623
May	513	5	518	738	6	744
June	534	5	539	839	6	845
July	566	6	572	792	6	798
August	577	6	583	805	6	811
September	555	6	561	768	6	774
October	526	6	532	804	6	810
November	511	6	517	641	5	646
December	392	6	398	611	5	616
AVERAGE	461	5	466	665	6	671

Table 26 - REGULAR HOURS WORKED PER WEEK BY WAGE-EARNERS, 1936 and 1937. (Overtime not included)

Regular hours worked per week	Per cent of wage-earners		Regular hours worked per week		Per cent of wage-earners	
	1936	1937	1936	1937	1936	1937
40 hours or less	11.6	10.9	51 - 53 hours	2.7	1.5	
41 - 43 hours	0.4	1.5	54 hours	20.9	15.2	
44 hours	9.8	16.3	55 hours	0.1	2.2	
45 - 47 hours	4.9	2.3	56 - 59 hours	4.3	1.8	
48 hours	17.9	19.0	60 hours or over	14.8	21.0	
49 - 50 hours	12.6	8.3				

Table 27 - FUEL and ELECTRICITY USED IN THE CEMENT PRODUCTS INDUSTRY, 1936 and 1937.

Kind	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian	short ton	1,818	12,142	1,666	10,890
Imported	short ton	1,391	8,766	1,992	13,370
Anthracite coal	short ton	107	1,224	122	1,493
Lignite coal	short ton	3	16	20	100
Coke	short ton	108	929	86	713
Gasoline	Imp. gal.	6,825	1,682	6,047	1,635
Kerosene or coal oil	Imp. gal.	358	72	364	82
Fuel oil	Imp. gal.	1,453	149	240	25
Wood	cord	76	332	74	348
Gas - Manufactured	M cu.ft.	513	385	658	560
Natural	M cu.ft.	50	32	45	44
Other fuel .....	\$	...	273	...	7,470
Electricity purchased	K. W. H.	1,060,821	24,034	754,189	20,783
TOTAL .....	\$	...	50,036	...	57,511

Table 28 - POWER EQUIPMENT IN THE CEMENT PRODUCTS INDUSTRY, 1936 and 1937.

Kind	1 9 3 6		1 9 3 7	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	6	115	6	105
Gasoline engines	23	141	32	190
Total Primary Equipment	29	256	38	293
Electric motors run by purchased power	264	2,619	281	2,534
TOTAL	293	2,875	319	2,827
Boilers	18	955	23	1,415

Table 29 - POWER EQUIPMENT SHOWING 'ORDINARILY IN USE' separately from 'IN RESERVE OR IDLE', 1937.

Kind	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines	6	103	...	...
Gasoline engines	31	188	1	2
Total Primary Equipment	37	291	1	2
Electric motors run by purchased power	266	2,412	15	122
TOTAL	303	2,703	16	124
Boilers	21	1,391	2	24

Table 30 - MATERIALS USED IN THE CEMENT PRODUCTS INDUSTRY, 1936 and 1937.

Material	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
Portland cement	brl.	130,050	\$ 291,181	391,233	\$ 819,917
Quicklime	Ton	46	1,450	80	1,584
Sand	Cu.yd.	47,029	55,092	179,622	196,822
Gravel	Cu.yd.	31,376	26,329	50,191	64,677
Crushed stone	Cu.yd.	18,090	24,593	101,395	170,535
Cinders	Cu.yd.	22,773	16,294	27,857	21,421
Reinforcing steel	Ton	2,358	112,607	...	71,756
Other materials .....	\$	...	221,501	...	213,448
Boxes, crates, lumber, etc. ...	\$	...	13,974	...	6,710
TOTAL .....	\$	...	763,021	...	1,566,870

Table 31 - MATERIALS USED IN THE CEMENT PRODUCTS INDUSTRY, BY PROVINCES, 1937.

Material	Quebec	Ontario	British Columbia	Other Provinces	CANADA
	\$	\$	\$	\$	\$
Portland cement	264,783	457,181	86,484	11,469	819,917
Quicklime	328	22	1,033	201	1,584
Sand	94,811	72,201	26,902	2,908	196,822
Gravel	1,293	60,576	160	2,648	64,677
Crushed stone	117,051	51,223	2,167	94	170,535
Cinders	2,535	18,886	...	...	21,421
Reinforcing steel	9,503	56,738	2,834	2,681	71,756
Other materials	27,868	172,620	11,008	1,952	213,448
Boxes, crates, lumber, etc. ...	1,794	2,089	2,254	573	6,710
TOTAL	519,966	891,536	132,842	22,526	1,566,870

Table 32 - PRODUCTS MADE IN THE CEMENT PRODUCTS INDUSTRY, 1936 and 1937.

Products	1 9 3 6		1 9 3 7	
	Quantity	Selling value at works	Quantity	Selling value at works
Cement bricks	M 2,877	63,032	...	146,522
Cement hollow building blocks, etc... .	...	315,141	...	380,008
Cement drain pipe; sewer pipe, water pipe and culvert tile .....	...	432,424	...	377,806
Artificial stone .....	...	133,629	...	188,021
Cement laundry tubs .....	...	113,547	...	39,180
Cinder blocks	M 1,543	167,350	1,949	208,149
Cement stucco .....	...	25,492	...	23,452
All other products (x) .....	...	464,732	...	1,936,193
TOTAL	\$...	1,713,347	...	3,299,331

(x) Includes data for haydite blocks and slabs, burial vaults, garden furniture, etc.. The 1937 value includes \$1,230,451 for ready-mixed concrete which formerly was not classed as a manufactured product.

Table 33 - PRODUCTS MADE IN THE CEMENT PRODUCTS INDUSTRY, BY PROVINCES, 1937.

Products	Quebec	Ontario	British Columbia	Other Provinces	CANADA
Cement bricks	16,638	129,567	...	317	146,522
Cement hollow building blocks, etc.	100,297	265,976	4,961	8,774	380,008
Cement drain pipe, sewer pipe, water pipe and culvert tile	95,412	228,150	24,832	28,692	377,806
Artificial stone	92,478	77,712	1,006	16,825	188,021
Cement laundry tubs .....	...	29,650	9,530	...	39,180
Cinder blocks	17,874	190,275	...	...	208,149
Cement stucco	6,550	...	8,688	8,214	23,452
All other products	638,475	1,097,200	197,278	3,960	1,936,193
TOTAL	967,724	2,018,530	246,295	66,782	3,299,331

Table 34 - OUTPUT OF PRINCIPAL CEMENT PRODUCTS, 1920 - 1937.

Year	Cement hollow building blocks	Cement sewer pipe, water pipe, drain pipe and culvert tile	Cement bricks	Artificial stone	Cinder blocks
	\$	\$	\$	\$	\$
1920	852,304	457,312	...	69,382	
1921	511,283	463,091	11,375	71,741	Not
1922	596,063	378,818	75,742	27,725	
1923	652,420	432,602	70,502	53,326	speci-
1924	523,326	473,719	53,066	77,484	
1925	859,706	596,256	40,261	256,118	fied
1926	1,066,901	647,798	53,412	479,287	
1927	941,194	766,269	94,302	473,051	69,145
1928	1,158,508	1,294,076	40,007	1,173,645	192,358
1929	902,413	1,546,376	178,257	1,134,328	306,228
1930	802,604	1,181,945	129,409	877,659	273,097
1931	709,976	1,373,136	30,763	824,056	251,782
1932	194,750	921,244	58,057	226,057	80,322
1933	179,052	1,014,443	8,685	101,548	39,617
1934	231,901	202,345	13,949	86,511	76,684
1935	277,923	305,203	17,178	148,480	102,615
1936	315,141	432,424	63,032	133,629	167,350
1937	380,008	377,806	146,522	188,021	208,149

DIRECTORY OF FIRMS IN THE CEMENT PRODUCTS INDUSTRY, 1937.

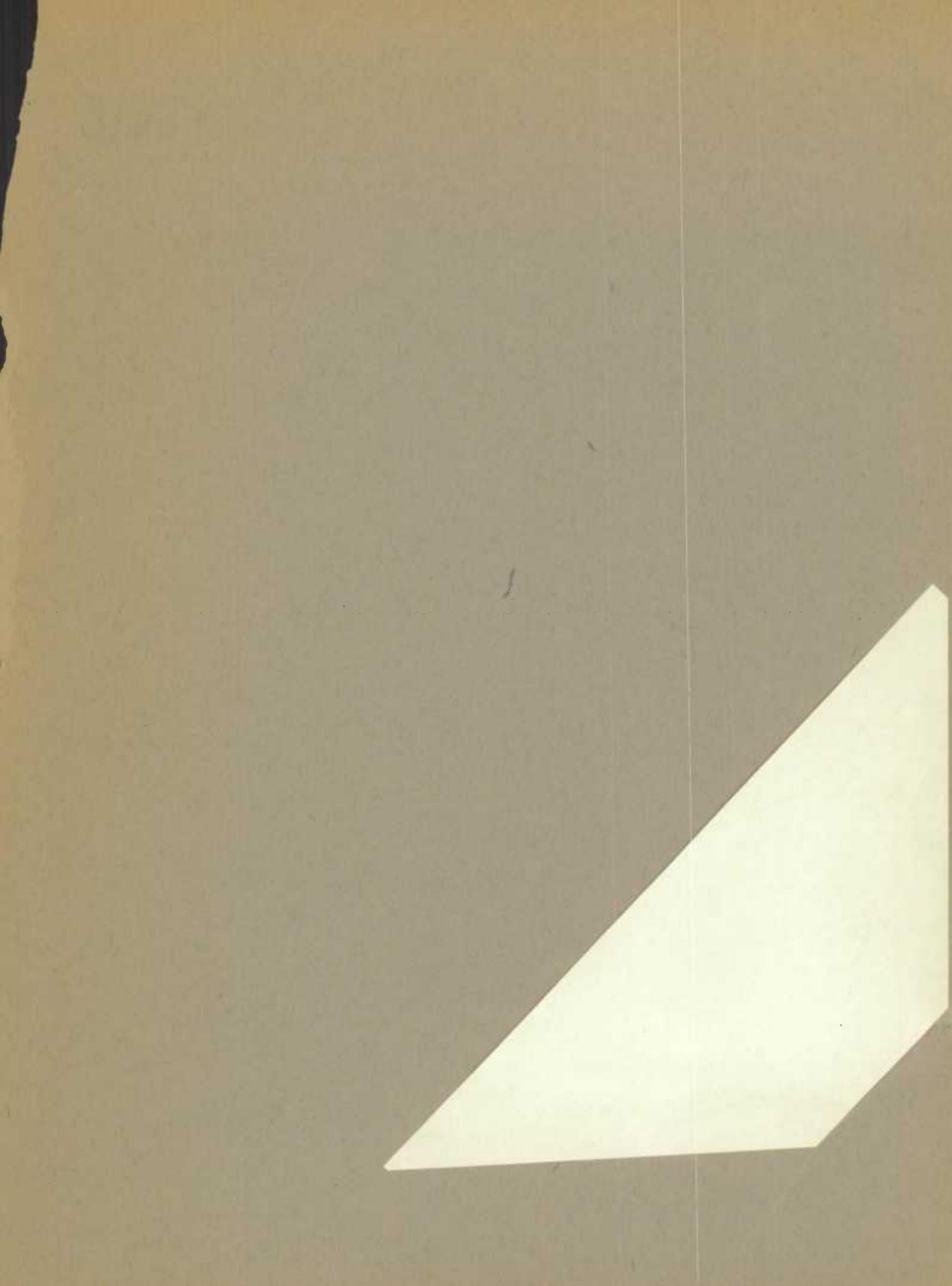
<u>Names of Firms</u>	<u>Location of Plants</u>
<u>NOVA SCOTIA -</u>	
Kentville Concrete Products Co.	Meadow Road, Kentville
<u>NEW BRUNSWICK -</u>	
Blakeny & Son, Ltd.	806 Main St., Moncton
Hartland Cement Block Co. Ltd.	Hartland
Scott Concrete Works	Barker's Point
Eastern Cement Products Ltd.	111 Princess St., Saint John
Pelletier, Alfred B.	St. Basile
<u>QUEBEC -</u>	
Anderson, James	Beebe
Arco Stone Company, Ltd.	2565 Belanger St., Montreal
Art Stone Limited	5701 De Normanville St., Montreal
Atlas Stone Co.	2435 Holt St., Montreal
Bilodeau, L. Alfred	144 Renaud Ave., Quebec
Brunet, R.	Ormstown
Daigle, T.	Rue Daigle, Sherbrooke
Desco Stone Limited	3851 Courtrai Ave., Montreal
Duntile Company Ltd.	6905 Clanranald Ave., Montreal
Genest, Emile	St. Basile, Co. Portneuf
Giguere, Limoges	1392 Beaubien St. E., Montreal
Gilbert, L.	Pointe Claire
Grandmaison, F. M.	5081 Iberville St., Montreal
Guilbault Freres & Co.	Ste. Elizabeth, Co. Joliette
Industries Economiques Ltee.	20 Aberdeen St., Lachine
Laflamme & Bourassa	484 Laviolette St., St. Jerome
La Cie des Produits de Ciment	St. Jerome, Co. Terrebonne
La Societe de Constructions Modernes	27 St. Sacrement St., Chicoutimi
Montreal Dual Mixed Concrete Ltd.	Ottawa St., Montreal
Paquette, Emile	6824 Briand St., Montreal
Pizzagalli Terrazzo Tile Mfg. Co. Ltd.	105 Jean Talon St. W., Montreal
Potier & Freres	8645 Casgrain St., Montreal
Pressure Pipe Co. of Canada, Ltd.	Head of Colbrooke Ave., Montreal
Ready-Mix Concrete Ltd.	660 St. Catherine St. W., Montreal
Remy, Georges	St. Cesaire
St. Louis, Napoleon	Ste. Ursule
Taillefer, Elie	St. Polycarpe
Tisserand, Felix	5936 Des Ecores St., Montreal
<u>ONTARIO -</u>	
Aristocrat Mfg. Co. Ltd.	7 Fraser Ave., Toronto, 2
Ashman, T.J., & Son	520 Grosvenor St., London
Babcock Supply Co.	Wallaceburg
Baird Barton Stone	225 MacPherson Ave., Toronto
Barr, William	1856 Yonge St., Toronto
Boyd Bros.	Osgoode
Branagh & Bowen Co.	81 Peter St., Toronto
Brans, J.	22 Savoy Ave., East York (Toronto)
Brown, A. E.	215 Spruce St., Sudbury
Brown, D. L.	272 Cedar St., Sudbury
Burwell, C. H.	Tillsonburg

DIRECTORY OF FIRMS IN THE CEMENT PRODUCTS INDUSTRY, 1937. (continued)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>ONTARIO</u> (continued)	
Calder, James	Fergus
Campbell, John	181 Emery St., London
Canada Block & Tile Co. Ltd.	70 Verona St., Toronto, 9
Canadian Concrete Products Co. Ltd.	Belleville
Cawley, John	Westport
Century Concrete Vault Ltd.	Industrial St., Leaside
Clemens & Miller	Lincoln St. W., Welland
Concrete Pipe Ltd.	198 Riddell St., Woodstock
Concrete Pipe Ltd.	400 Old Park Road, Toronto
Cooksville Co. Ltd.	Cooksville
Cooper Concrete Block & Supply Co. Ltd.	1001 Roselawn Ave., Fairbank
Cross Supplies & Paving Ltd.	1272 Windsor Ave., Windsor
Dell, E. E.	Aylmer
Dominion Concrete Co. Ltd.	Kemptville
Dominion Concrete Co. Ltd.	Prescott
Dual Mixed Concrete & Materials Ltd.	Fleet and Bathurst Sts., Toronto
Dundas Concrete Block Co. Ltd.	400 Scarlet Road, Toronto
D. W. S. Concrete Products Limited	640 Dufferin St., Toronto
Economy Fuel Co.	100 Wallace Ave., Hamilton
Fairbank Block & Supply Co. Ltd.	318 Hopewell Ave., Toronto
Fletcher, J. H.	Fonthill
Florry, A., & Son (Scarlett Road Block Co.)	16 Scarlett Rd., Toronto
Frazer Duntile Co. Ltd.	Clyde Ave., Westboro
Frid Bros. Ltd.	Main W. and Macklin Sts., Hamilton
Garnett, Thos., & Sons	Barrett St., Port Hope
Grace Builders' Supplies Ltd.	291 S. Christina St., Sarnia
Grimo, Frank	1500 Ferry St., Niagara Falls
Hall, J. H.	George St. N., Peterborough
Hayley, Harry	Hurdman Road, Ottawa
Hill, John D.	1512 Dufferin Place, Windsor
Hunt, J. W.	Queen St., Mount Forest
Jackson, Jas. H.	19 Orchard St., London
Johnston, J. H.	124 Holborne Ave., London
Kilbourne, H., & Son	145½ Wharncliffe Rd. S., London
Kitchener Concrete Block Co.	R. R. #2, Kitchener
Leaside Block & Tile Ltd.	Industrial St., Leaside
Leblond, J.	61 Hanna St., Eastview
Legg, Stanley	712 Oxford St., London
London Cement Burial Vault Works	687 Little Grey St., London
McClelland, R. J.	378 Brock St., Kingston
Miller, A.	50 Harvey St., Chatham
Northern Cement B. B. & Tile Co.	Timmins
Nuttall, Wm. A.	948 Hamilton St., Preston
Ontario Ready Mix Concrete Ltd.	Ottawa and Toronto
Peerless Construction Co.	2367 Lillian St., Windsor
Peerless Stone Ltd.	510 Rhodes Ave., Toronto
Pinchin, R.	Clarkson
Red-D-Mix Concrete Ltd.	501 Main St. W., Hamilton
Rideau Concretes Ltd.	River Road, Eastview
Robinson, Ernest	R. R. 3, Mitchell
Ross, Chas., & Son	Dunnville
Ross, H. A.	69 St. Julian St., London

DIRECTORY OF FIRMS IN THE CEMENT PRODUCTS INDUSTRY, 1937. (concluded)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>ONTARIO</u> (concluded)	
Russello, Howard	Leamington
Sarnia Cement Products Co. Ltd.	Albert St., Point Edward
Sauve, Dennis	Belle River
Schmidt, J. T.	R. R. 1, Waterloo
Schultz, John	64 Kent Ave., Kitchener
Shoemaker, Allen	R. R. 4, Kitchener
Superior Stone Limited	528 Victoria St., Kitchener
Tack, Henry	Adelaide and Victoria Sts., London
Tooke, Thos.	57 Government Rd., Kirkland Lake
Toronto Brick Company Ltd.	Ormskirk Ave., Village of Swansea
Toronto Concrete Burial Vault Co.	Islington
Wattenworth, Chas. W.	Beamsville
White, Homer, & Co.	Spring St., Picton
Willowdale Block Co.	Willowdale
Woolatt Fuel & Supply Co. Ltd.	2171 Ottawa St., Walkerville
Young Bros.	Ridgeway
<u>MANITOBA</u> -	
Dominion Stucco Co. Ltd.	Sargent and St. James, Winnipeg
Lo'ns Stone Works Limited	St. Mary's Road, Norwood
<u>SASKATCHEWAN</u> -	
Concrete Products Ltd.	Fifth and St. John Sts., Regina
Precast Concrete Co.	826 Dewdney Ave., Regina
<u>ALBERTA</u> -	
Bell, T. A.	122 - 3rd Ave. E., Calgary
Concrete Products & Supplies	Rifle Range, East Calgary
<u>BRITISH COLUMBIA</u> -	
B. C. Concrete Co. Ltd.	77th and Oak Sts., Vancouver
Canadian Stucco Products	Granville Island, Vancouver
Dawson Art Stone Works	294 East 1st Ave., Vancouver
Diethers Ltd.	Granville Island, Vancouver
Hunter, George	2613 East 22nd Ave., Vancouver
Pearlsette Mfg. Co. Ltd.	1002 Mainland St., Vancouver
Sanderson, Warren	1780 Broadway E., Vancouver
Williams Concrete Co. Ltd.	1401 Main St., Vancouver
Vancouver Cement Products	7991 Granville St., Vancouver



STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010669964