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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS

+++ *Census of Industry* +++

MINING, METALLURGICAL & CHEMICAL STATISTICS

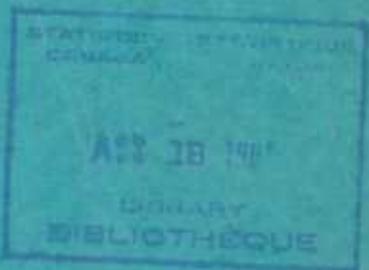
THE

CLAY & CLAY PRODUCTS INDUSTRY

IN

CANADA

1946



(including 1. Products from Domestic Clays
2. Products from Imported Clays)



OTTAWA
1948

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THE CLAY AND CLAY PRODUCTS INDUSTRY, 1946

The industrial clays of Canada may be classified as common clays, stoneware clays, fire-clays and china clays. Statistically, the ceramic industry of Canada is conveniently classified into two divisions: (1) Production from domestic clays, which includes the production of building brick, structural tile, drain tile, roofing tile, stoneware, sewer pipe, pottery and refractories, and (2) production from imported clays, which includes the manufacture of electrical porcelains, sanitary ware, sewer pipe, table ware, pottery, ceramic floor and wall tile, and various kinds of fireclay refractories. Data relating to the production of glass, cement and artificial abrasives are contained in separate reports.

A total of 151 plants operated in the domestic and imported clay products industries in Canada during 1946. These two industries provided employment for 5,350 persons during the year; their earnings totalled \$7,986,505. The combined production in 1946 was valued at \$19,280,738 compared with \$14,240,374 in 1945.

I. Production from Domestic Clays, 1946

The gross value of Canadian producers' sales of domestic clays and products made from same totalled \$12,207,367 in 1946 compared with \$8,913,092 in 1945. Eight provinces reported the commercial production of domestic clay products. Ontario production was valued at \$4,288,780; Quebec, \$3,457,168; Alberta, \$1,808,971 and the remainder was contributed by the other five provinces.

There were 119 plants operated by 110 firms who employed 3,437 persons and distributed \$5,115,962 in salaries and wages. Fuel and electricity used in 1946 was valued at \$2,365,552 and the process supplies had a value of \$278,125.

Sales of building brick in 1946 amounted to \$6,627,517 for 272,389 M pieces. This is compared with 200,241 M pieces which sold for \$4,566,179 in 1945. The sewer pipe and drain tile sales were \$2,032,403; structural tile, \$1,504,345; pottery, \$1,195,478; bentonite, \$211,825 and firebrick, fireclay blocks and fireclay, \$458,886.

Table 1 - PRINCIPAL STATISTICS FOR THE CLAY PRODUCTS INDUSTRY IN CANADA, 1937-1946

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of products sold during year (f.o.b. works)
1937	143	2,287	2,094,792	1,032,755	103,568	4,516,859
1938	152	2,242	2,110,233	939,190	114,659	4,536,084
1939	149	2,165	2,161,688	998,683	108,815	5,151,236
1940	143	2,557	2,675,251	1,282,593	139,635	6,344,547
1941	142	2,381	3,227,785	1,561,326	207,247	7,575,336
1942	124	2,523	3,073,011	1,292,373	158,866	7,081,723
1943	105	2,173	2,909,841	1,157,471	104,336	6,608,193
1944	110	2,247	3,176,804	1,357,313	161,189	6,997,425
1945	106	2,688	3,828,206	1,780,426	194,257	8,913,092
1946	119	3,437	5,115,962	2,365,552	278,125	12,207,367

NOTE: This report was prepared by A. R. Deir, Mining Statistician, and J. J. Parchelo, Statistician, Metal and Chemical Products.

Table 2 - PRODUCTION (SALES) OF DOMESTIC CLAY AND CLAY PRODUCTS IN CANADA, 1945 and 1946

Product	Unit of measure	Sales or Shipments			
		1945	1946	1945	1946
Clay - Bentonite	ton	...	170,799	...	211,825
Fireclay	ton	4,266	31,416	4,696	30,607
Kaolin	ton	446	3,771	821	5,775
Other clay	ton	18,242	29,920	30,277	39,204
Fireclay blocks and shapes .....	...	...	225,275	...	222,430
Firebrick	M	3,466	186,651	3,368	205,849
Brick - Soft mud process: Face	M	5,424	128,762	10,858	223,272
Common	M	21,516	378,884	17,013	347,937
Stiff mud process: Face	M	76,094	2,074,833	106,128	3,050,611
(wire cut) Common	M	51,413	940,266	65,406	1,262,178
Brick - Dry press: Face	M	25,680	636,721	41,573	1,093,612
Common	M	19,993	400,091	31,239	645,252
Fancy or ornamental brick (including special shapes, embossed and enamelled brick)	M	81	5,806	1	82
Sewer brick	M	41	816	171	4,573
Paving brick	M	206	12,010	53	3,681
Structural tile -					
Hollow blocks (including fireproofing and load-bearing tile)	ton	94,244	998,210	129,694	1,453,549
Roofing tile	M	...	...	1	97
Floor tile (quarries) .....	...	...	46,365	...	50,699
Drain tile	M	13,393	495,875	18,051	677,564
Sewer pipe (including copings, flue linings, conduits, etc.) .....	...	...	1,178,141	...	1,354,839
Pottery, glazed or unglazed (including coarse earthenware, sanitary ware, stoneware, flower pots, and all other pottery) .....	...	...	930,567	...	1,195,478
Other products .....	...	...	37,913	...	128,253
TOTAL .....	...	...	8,913,092	...	12,207,367

In addition to the clays recorded in the above table, there were 227,645 tons of ordinary clay consumed in Canada during 1946 in the production of Portland cement; the corresponding consumption in 1945 was 161,980 tons. Also consumed by the Canadian cement industry in 1946 were 99,355 tons of shale.

Table 3 - PRODUCTION (TOTAL SALES) OF CLAY PRODUCTS FROM DOMESTIC CLAYS, 1937-1946

Year	\$	Year	\$
1937	4,516,859	1942	7,081,723
1938	4,536,084	1943	6,608,193
1939	5,151,236	1944	6,997,425
1940	6,344,547	1945	8,913,092
1941	7,575,336	1946	12,207,367

Table 4 - PRODUCTION (TOTAL SALES) OF CLAY PRODUCTS, BY PROVINCES, 1944-1946 (Gross Values)

Province	1944	1945	1946
	(dollars)		
Nova Scotia	402,694	433,455	671,466
New Brunswick	207,051	232,783	336,971
Quebec	1,881,791	2,534,630	3,457,168
Ontario	2,347,396	3,107,189	4,288,780
Manitoba	197,383	269,917	372,920
Saskatchewan	330,907	271,288	411,446
Alberta	1,143,577	1,401,875	1,808,971
British Columbia	426,626	661,955	859,645
CANADA	6,997,425	8,913,092	12,207,367

Table 5 - PRODUCTION (SALES) (a) OF BUILDING BRICK IN CANADA, 1937-1946

Year	Quantity	\$	Average value per M (b)	Year	Quantity	\$	Average value per M (b)
			M				\$
1937	153,770	2,375,276	15.45	1942	169,317	3,018,375	17.83
1938	148,807	2,341,443	15.73	1943	138,678	2,808,764	20.25
1939	165,024	2,676,634	16.22	1944	154,785	3,155,380	20.38
1940	191,213	3,277,187	17.14	1945	200,241	4,566,179	22.82
1941	208,871	3,765,493	18.00	1946	272,389	6,627,517	24.33

(a) Totals comparable with those in Table 6.

(b) Based on shipments of all grades and the value per M should be interpreted as the value of pressed, common and other varieties 'en masse' and not the value of any one particular type of brick.

Table 6 - PRODUCTION (SALES) OF BUILDING BRICK (x) IN CANADA, BY PROVINCES, 1944-1946

Province	1 9 4 4		1 9 4 5		1 9 4 6	
	M	\$	M	\$	M	\$
Nova Scotia	5,987	96,411	6,827	110,065	8,167	160,492
New Brunswick	6,407	109,983	7,895	166,104	9,560	223,688
Quebec	65,103	1,303,666	82,319	1,806,738	113,695	2,642,891
Ontario	56,654	1,323,651	74,446	1,944,365	104,078	2,800,236
Manitoba	1,566	37,115	4,212	100,366	6,384	165,348
Saskatchewan	536	9,230	753	15,820	4,148	92,186
Alberta	15,590	197,940	19,377	292,350	21,360	377,573
British Columbia	2,942	77,384	4,412	130,371	4,997	165,103
CANADA	154,785	3,155,380	200,241	4,566,179	272,389	6,627,517
Average value per M.....	...	20.38	...	22.82	...	24.33

(x) Includes fancy and sewer brick.

Table 7 - VALUE (x) OF DRAIN TILE AND SEWER PIPE PRODUCED (SALES) IN CANADA FROM DOMESTIC CLAYS, BY PROVINCES, 1944-1946

Province	1 9 4 4		1 9 4 5		1 9 4 6	
		(dollars)		(dollars)		(dollars)
Nova Scotia	165,106		178,587		315,661	
New Brunswick	5,269		3,495		2,638	
Quebec	206,338		231,208		212,646	
Ontario	621,326		692,873		848,961	
Manitoba .....	...		...		...
Saskatchewan	3,400		4,050		7,500	
Alberta	253,679		357,920		361,133	
British Columbia	135,339		205,883		263,864	
CANADA	1,390,457		1,674,016		2,032,403	

(x) Includes value of copings, flue linings, etc.

Table 8 - VALUE (x) OF DRAIN TILE AND SEWER PIPE PRODUCED IN CANADA, 1937-1946

Year	Value	Year	Value
	\$		\$
1937	1,089,180	1942	1,721,580
1938	1,100,881	1943	1,507,223
1939	1,167,181	1944	1,390,457
1940	1,430,154	1945	1,674,016
1941	1,755,753	1946	2,032,403

(x) Includes value of copings, flue linings, etc.

Table 9 - PRODUCTION (SALES) OF FIRECLAY BLOCKS AND SHAPES AND FIREBRICK FROM DOMESTIC CLAYS, BY PROVINCES, 1946

Province	Fireclay		Fireclay blocks and shapes		Firebrick	
	Short tons	\$		\$	M	\$
Nova Scotia	2,823	10,819	1,101		14	653
New Brunswick .....	...	...	...		...	...
Ontario .....	...	...	...		...	...
Saskatchewan	1,066	8,906	180,698		...	...
British Columbia	807	10,882	40,631		3,353	205,196
CANADA	4,696	30,607	222,430		3,367	205,849

Table 10 - PRODUCTION (SALES) OF FIRECLAY, FIRECLAY BLOCKS AND SHAPES, AND FIREBRICK FROM DOMESTIC CLAY, 1937-1946

Year	Fireclay		Fireclay blocks and shapes		Firebrick	
	Short tons	\$		\$	M	\$
1937	4,123	26,081	75,431		2,950	142,827
1938	2,344	17,243	73,512		2,213	113,581
1939	3,785	22,504	95,256		2,331	119,346
1940	4,881	30,564	85,127		3,167	165,525
1941	5,431	35,475	190,497		3,643	183,897
1942	5,601	40,722	210,246		3,816	197,830
1943	5,653	42,122	256,655		3,644	192,618
1944	7,630	38,433	221,251		3,180	164,837
1945	4,266	31,416	225,275		3,466	186,651
1946	4,696	30,607	222,430		3,367	205,849

Note: Firebrick and fireclay blocks and shapes are made also from imported clays; see table 36.

Table 11 - PRODUCTION (SALES) OF POTTERY FROM DOMESTIC CLAYS, 1937-1946

Year	Value	Year	Value
	\$		\$
1937	232,209	1942	646,088
1938	235,890	1943	701,144
1939	282,712(x)	1944	838,544
1940	474,452	1945	930,567
1941	502,212	1946	1,195,478

(x) Includes value of sanitaryware.

Table 12 - PRODUCTION (SALES) OF POTTERY FROM DOMESTIC CLAYS, BY PROVINCES, 1944-1946

Province	1944		1945		1946	
		\$		\$		\$
New Brunswick	75,288		46,792		68,929	
Quebec	82,000		147,388		157,413	
Ontario	60,000		69,182		77,800	
Alberta	617,326		663,960		888,525	
British Columbia	3,930		3,245		2,811	
CANADA	838,544		930,567		1,195,478	

Table 13 - PRODUCTION OF STRUCTURAL TILE IN CANADA, BY PROVINCES, 1946

Province	Hollow Blocks (x)		Roofing Tile \$	Floor Tile (Quarries)	
	Short tons	\$		Sq.ft.	\$
Nova Scotia	18,199	182,073	...	...	...
New Brunswick	4,675	41,716	...	...	...
Quebec	37,862	405,814	...	...	...
Ontario	39,479	476,272	97	203,750	50,649
Manitoba .....	...	...	...	...	...
Saskatchewan	6,615	85,043	...	...	...
Alberta	16,059	157,487	...	...	...
British Columbia	6,805	105,144	...	2,200	50
CANADA	129,694	1,453,549	97	205,950	50,699

(x) Including fireproofing and load-bearing tile.

Table 14 - PRODUCTION OF STRUCTURAL TILE IN CANADA, 1937-1946

Year	Hollow Blocks (x)		Roofing Tile Number	Floor Tile (Quarries)	
	Short tons	\$		Number	\$
1937	64,526	533,843	60,542	3,302	73,191
1938	70,648	591,416	150,504	5,196	100,958
1939	86,120	714,291	148,291	4,964	90,812
1940	105,073	788,478	41,772	1,839	...
1941	117,530	1,063,120	...	750	...
1942	109,905	1,082,573	...	32	...
1943	84,469	819,535	...	827	...
1944	87,820	811,558	...	...	212,805
1945	94,244	998,210	...	...	197,164
1946	129,694	1,453,549	...	97	205,950

(x) Including fireproofing and load-bearing tile.

Table 15 - PRODUCTION (SALES) OF BENTONITE AND KAOLIN IN CANADA, BY PROVINCES, 1937-1946

Year	B e n t o n i t e						Kaolin (a)	
	Manitoba		Alberta		British Columbia		CANADA	
	Tons	\$	Tons	\$	Tons	\$	Tons	\$
1937	132	1,154	...	...	31	817	163	1,971
1938 .....	...	...	1,136	3,444	43	215	1,179	3,659
1939	99	591	889	2,850	...	...	988	3,441
1940	710	2,023	714	2,240	45	225	1,469	4,488
1941	760	1,330	1,317	5,882	95	618	2,172	7,830
1942	660	38,800	956	5,404	...	...	1,616	44,204
1943 .....	...	110,428	...	5,262	...	1,357	(b)	117,047
1944 .....	...	160,268	...	2,076	...	1,504	(b)	163,848
1945 .....	...	169,551	...	1,248	...	...	(b)	170,799
1946 .....	...	207,572	...	4,253	...	...	(b)	211,825

(a) All from Quebec.

(b) Quantity not available for publication.

Table 16 - FULLER'S EARTH USED IN CANADA IN THE MANUFACTURE OF SOAPS AND WASHING COMPOUNDS AND IN THE PETROLEUM PRODUCTS INDUSTRY, 1937-1946

Year	Petroleum Products Industry		Soaps and Washing Compounds	
	Pounds (x)	\$	Pounds	\$
1937	18,843,458	240,309	1,167,768	20,393
1938	19,687,467	281,688	1,195,208	19,575
1939	19,814,473	304,214	1,586,163	30,924
1940	23,828,660	406,185	1,651,471	40,695
1941	30,155,750	571,010	1,486,000	39,332
1942	24,162,091	528,350	1,350,000	37,831
1943	25,390,653	601,283	2,410,000	83,233
1944	27,569,500	646,708	1,181,020	35,047
1945	28,604,000	685,761	750,000	24,351
1946	25,623,347	570,819	100,500	1,647

(x) Includes all clays.

Table 17 - PRODUCERS' SALES OF PRODUCTS MADE FROM CANADIAN CLAYS, BY MONTHS, 1946 and 1947

CLAY

Month	Building Brick		Structural Tile(a)		Drain Tile		Sewer Pipe	Fireclay blocks and shapes	Pottery (b)	Other Clay Products (c)	TOTAL
	M	\$	Ton	\$	M	\$					
<u>1946</u>											
January	15,421	376,268	8,428	91,857	611	23,017	93,006	19,798	111,907	50,013	765,866
February	13,079	318,875	7,117	76,761	476	19,459	85,859	14,324	111,184	44,739	671,201
March	16,980	408,222	9,387	96,961	522	20,122	97,906	15,936	99,935	42,694	781,776
April	17,829	430,449	10,250	111,298	612	22,313	115,683	13,489	97,996	47,741	838,969
May	21,347	523,303	13,968	154,911	1,187	45,089	115,063	15,723	103,676	51,651	1,009,416
June	23,341	580,208	12,470	138,725	1,503	55,988	112,984	14,741	74,867	44,003	1,021,516
July	27,356	676,868	15,000	170,567	1,586	59,971	135,528	18,011	112,459	48,337	1,221,741
August	28,171	691,093	13,161	150,931	1,664	62,600	111,141	24,209	86,541	54,387	1,180,902
September	26,131	647,186	11,351	124,767	1,595	61,383	109,935	20,065	96,480	52,321	1,112,137
October	28,579	701,468	12,156	140,042	1,929	75,085	121,284	22,117	116,263	54,876	1,231,135
November	26,447	633,869	11,788	134,543	1,274	51,401	122,626	29,189	112,587	43,185	1,127,400
December	19,040	469,544	9,079	108,366	1,240	47,369	93,109	14,023	81,176	53,914	867,501
TOTAL	263,721	6,457,353	134,155	1,499,729	14,199	543,797	1,314,124	221,625	1,205,071	587,861	11,829,560
<u>1947</u>											
January	17,433	432,358	9,293	108,239	837	31,289	92,239	18,035	115,544	65,562	863,266
February	16,876	445,666	8,458	112,508	760	31,056	113,239	8,779	114,333	49,874	875,455
March	19,347	510,626	10,772	148,365	498	23,030	113,871	21,526	128,405	60,855	1,006,678
April	19,051	514,236	12,471	164,744	479	24,861	117,462	23,202	95,462	59,840	999,807
May	23,224	643,680	12,370	168,476	1,567	62,688	187,299	20,556	105,772	39,845	1,228,316
June	24,039	659,723	16,568	189,676	1,335	56,338	142,654	18,940	89,386	50,369	1,207,086
July	27,748	775,549	13,252	190,733	1,445	65,666	145,061	22,517	78,587	62,941	1,341,054
August	25,098	695,912	13,169	171,134	1,542	62,188	145,186	39,723	70,621	67,408	1,252,172
September	28,440	754,445	15,568	193,277	1,742	71,862	164,548	31,250	66,924	50,924	1,333,230
October	29,148	804,802	15,042	210,092	2,408	100,770	148,406	26,052	53,852	70,088	1,414,062
November	24,189	671,354	14,025	189,876	2,559	120,484	157,052	31,317	74,664	57,718	1,302,465
December	23,563	658,098	11,914	163,402	1,341	60,122	119,863	16,371	82,395	50,139	1,150,390
TOTAL	278,156	7,566,449	152,902	2,010,522	16,513	710,354	1,646,880	278,268	1,075,945	685,563	13,973,981

(a) Includes floor tile.

(b) Includes flower pots, stoneware, etc.

(c) Includes firebrick, fireclay, china clay, etc.

Table 18 - CHINA CLAY (KAOLIN) USED IN THE MANUFACTURE OF PAPER IN CANADA, 1937-1946

Year	Tons	Value	Year	Tons	Value
	\$			\$	\$
1937	41,738	578,223	1942	28,734	578,190
1938	34,968	488,147	1943	26,374	561,285
1939	32,769	430,092	1944	47,995	987,488
1940	36,931	558,659	1945	45,571	954,659
1941	32,844	588,585	1946	38,379	788,472

Table 19 - CLAYS AND EARTHS USED IN CANADIAN RUBBER GOODS INDUSTRY, 1937-1946

Year	Tons	Value	Year	Tons	Value
	\$			\$	\$
1937	3,614	79,300	1942	1,523	37,186
1938	2,942	81,935	1943	1,257	35,266
1939	3,438	80,745	1944	1,909	51,942
1940	3,586	90,867	1945	3,953	102,182
1941	4,059	101,441	1946	4,333	107,710

Table 20 - FIREBRICK, FIRECLAY AND CUPOLA BLOCKS USED IN THE MANUFACTURE OF IRON AND STEEL AND THEIR PRODUCTS IN CANADA, 1937-1946

Year	Cost at Works	Year	Cost at Works
	\$		\$
1937	1,058,787	1942	3,268,181
1938	838,012	1943	3,717,826
1939	939,495	1944	3,195,751
1940	1,597,898	1945	3,088,142
1941	2,581,813	1946	2,280,172

Table 21 - FULLER'S EARTH AND INFUSORIAL EARTH USED IN SPECIFIED CANADIAN INDUSTRIES, 1937-1946

Year	Sugar Refineries		Vegetable Oil Mills	
	Pounds(a)	\$	Pounds	\$
1937	4,586,786	95,532	212,997(c)	9,349
1938	4,908,597	101,473	190,253	9,063
1939	4,819,811	105,711	207,105(b)	10,166
1940	4,984,362	112,369	216,254(b)	7,731
1941	5,333,131	133,129	275,290(b)	10,604
1942	3,007,180	75,295	437,120(b)	20,154
1943	3,451,142	89,075	484,380(b)	20,302
1944	4,375,201	115,053	431,820(b)	17,991
1945	3,983,325	102,961	207,950	6,794
1946	4,391,733	104,794	27,260	145

(a) Infusorial earth.

(b) Fuller's earth, in 1942, includes 97,785 pounds clarex earth valued at \$4,657; in 1943 it includes 164,130 pounds valued at \$7,836; in 1944 it includes 20,000 pounds valued at \$1,100, and in 1945 and 1946 nil.

(c) Includes other earth.

Table 22 - IMPORTS INTO CANADA AND EXPORTS OF CLAY AND CLAY PRODUCTS, 1945 and 1946

		1 9 4 5		1 9 4 6	
		Quantity	\$	Quantity	\$
<u>Imports</u>					
Building brick	ton	3,815	51,814	3,112	57,448
Building blocks and fireproofing tile .....	...	...	55,728	...	94,175
Clays - China	cwt.	1,273,203	712,546	1,223,234	750,089
Fire	cwt.	1,457,888	286,916	1,375,781	289,803
Pipe	cwt.	144,928	18,528	170,180	23,554
Other clays, n.o.p. ....	...	...	165,387	...	222,890
Activated clay to refine oil .....	...	...	347,823	...	267,519
Zirconium silicate .....	...	...	19,467	...	26,299
Zirconium oxide .....	...	...	41,120	...	54,455
Drain tile, unglazed .....	...	...	1,513	...	1,148
Drain, sewer pipe and earthenware fittings therefor, chimney linings or vents, chimney tops or inverted blocks, glazed or unglazed, n.o.p. ....	...	...	42,139	...	101,761
Tiles or blocks of earthenware or stone pre- pared for mosaic flooring .....	...	...	63,006	...	110,140
Tiles, earthenware, for roofing purposes .....	...	...	1,209	...	9,806
Tiles, earthenware, n.o.p. ....	...	...	248,176	...	340,858
Insulators, electric, porcelain .....	...	...	281,611	...	397,225
Pottery, chinaware and earthenware, n.o.p. ....	...	...	5,629,055	...	7,978,548
Brick, fire, other, valued at not less than \$100 per M, rectangular shaped, the dimen- sions of each not to exceed 125 cubic inches for use exclusively in the construction or repair of a furnace, kiln, etc. ....	...	...	12,627	...	26,947
Brick, fire, n.o.p., for use exclusively in the construction or repair of a furnace, kiln or other equipment of a manufacturing estab- lishment (not made in Canada) ....	...	...	1,573,134	...	1,708,588
Firebrick, n.o.p. ....	...	1,230,274	...	...	1,680,976
Firebrick, chrome .....	...	448,440	...	...	470,288
Magnesite brick (fire) .....	...	305,141	...	...	433,327
Silica brick (containing not less than 90 per cent silica) ....	...	741,394	...	...	579,075
Paving brick	ton	2,617	25,686	3,998	36,832
Artificial teeth, not mounted .....	...	...	818,235	...	1,038,793
Baths, bathtubs, basins, laundry tubs, etc., of earthenware, cement or clay, n.o.p. ....	...	...	254,050	...	741,070
Saggars .....	...	...	26,143	...	48,733
Crucibles, clay or sand .....	...	...	41,766	...	46,199
Other manufactures of clay, n.o.p. ....	...	...	189,885	...	216,074
Grog for refractory materials	ton	4,439	47,766	...	72,663
TOTAL .....	...	...	13,680,579	...	17,825,283

Exports

Building brick	M	3,708	75,963	6,114	150,110
Bricks, fire .....	...	...	165,940	...	308,075
Clay, manufactures of .....	...	...	25,292	...	42,823
Clays, unmanufactured	cwt.	23,434	6,260	...	15,528
Earthenware .....	...	...	67,860	...	91,957
Porcelain insulators .....	...	...	285,933	...	443,097
TOTAL .....	...	...	627,248	...	1,051,590

Table 23 - DAILY CAPACITY OF BRICK AND TILE PLANTS IN CANADA, 1946 (per 8-hour day)

Province	Soft Mud Brick		Stiff Mud Brick		Dry Press Brick		Structural Tile			
	Common	Face	Common	Face	Common	Face	Parti-tion	Load-bearing	Floor tile	Drain Tile
	M	M	M	M	M	M	Tons	Tons	sq.ft.	No.
Maritimes	18	...	131	126	...	...	200	300	...	50,000
Quebec	217	87	59	105	180	...	330	80	...	...
Ontario	210	160	319	369	32	64	381	505	2,000	230,400
Prairie Provinces	265	60	95	76	28	84	210	10	...	35,000
British Columbia.	30	25	...	26	17	24	180	120	...	36,500
CANADA	740	332	604	702	257	172	1,301	1,015	2,000	351,900

Table 24 - EMPLOYEES, SALARIES AND WAGES IN THE CLAY PRODUCTS INDUSTRY IN CANADA, 1940-1946

Year	Number of Employees								Salaries \$	Wages \$	Total salaries and wages \$
	On Salaries		On Wages		Total employees	Salaries	Wages	Total salaries and wages \$			
	Male	Female	Male	Female							
1940	261	35	2,261	...	2,557	605,913	2,069,338	2,675,251			
1941	241	41	2,599	...	2,881	602,549	2,625,236	3,227,785			
1942	227	54	2,082	160	2,523	590,545	2,482,466	3,073,011			
1943	190	58	1,718	207	2,173	570,300	2,339,541	2,909,841			
1944	195	58	1,786	208	2,247	594,282	2,582,522	3,176,804			
1945	225	66	2,188	209	2,688	652,758	3,175,448	3,828,206			
<u>Administration</u>											
1946	138	41	2,987	271	3,437	385,133	4,730,829	5,115,962			

Table 25 - WORKMEN IN THE CLAY PRODUCTS INDUSTRY IN CANADA, BY MONTHS, 1945 and 1946

Month	Pit	1 9 4 5			Total	Pit	1 9 4 6			Total
		Male	Plant	Male	Female		Male	Plant	Male	Female
January	140	1,579	185	1,904	1,904	108	2,127	2,127	251	2,486
February	138	1,570	138	1,896	1,896	113	2,194	2,194	251	2,558
March	142	1,589	204	1,935	1,935	125	2,356	2,356	241	2,722
April	187	1,720	213	2,125	2,125	152	2,604	2,604	252	3,008
May	246	1,863	205	2,314	2,314	241	2,899	2,899	278	3,418
June	271	2,030	203	2,504	2,504	263	3,037	3,037	271	3,571
July	283	2,132	205	2,620	2,620	264	3,259	3,259	305	3,828
August	288	2,236	202	2,726	2,726	270	3,180	3,180	274	3,724
September	262	2,155	193	2,610	2,610	269	3,156	3,156	268	3,693
October	259	2,218	213	2,695	2,695	226	3,042	3,042	283	3,551
November	217	2,262	209	2,688	2,688	189	2,897	2,897	282	3,368
December	188	2,175	253	2,616	2,616	140	2,601	2,601	284	3,025
AVERAGE	225	1,963	209	2,397	2,397	207	2,780	2,780	271	3,258

Table 26 - FUEL AND ELECTRICITY USED, 1945 and 1946

Kind	Unit of measure	1945		1946	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian	short ton	37,747	349,117	49,575	482,952
Imported	short ton	95,826	915,727	113,942	1,082,196
Sub-bituminous coal (from Alberta mines only)	short ton	4	42	2,839	14,767
Anthracite coal - From United States	short ton	2,546	24,345	4,296	35,268
Other	short ton	...	...	...	...
Lignite coal	short ton	2,267	11,130	5,556	12,140
Coke	short ton	1,682	18,723	1,863	21,593
Gasoline	Imp.gal.	151,713	44,591	256,670	75,848
Kerosene or coal oil	Imp.gal.	3,610	717	8,427	1,633
Fuel oil	Imp.gal.	300,924	27,906	1,757,142	127,284
Wood	cord	21,780	146,743	29,344	206,621
Gas - Natural	M cu.ft.	1,221,639	27,203	1,565,067	37,604
Manufactured	M cu.ft.	...	...	...	...
Electricity purchased	K.W.H.	15,555,995	211,644	21,490,172	265,190
Other fuel .....	...	...	2,538	...	2,456
TOTAL .....	...	...	1,780,426	...	2,365,552
Electricity generated for own use	K.W.H.	273,983	...	302,793	...

Table 27 - COAL, WOOD, FUEL OIL AND NATURAL GAS USED, BY PROVINCES, 1946

Province	Lignite	C o a l				Wood	Natural Gas	Fuel Oil			
		Bituminous		Anthracite							
		Canadian	Imported	United States	Other						
(tons)											
Nova Scotia ....	...	19,847	...	...	...	606	...	...	
New Brunswick ..	...	6,951	...	...	...	2,684	...	...	
Quebec .....	...	9,800	33,664	17	...	5,418	...	1,394,538		
Ontario .....	...	3,192	80,278	4,279	...	12,029	4,262	9,278		
Manitoba .....	...	...	...	...	...	2,299	...	323,732
Saskatchewan ...	5,556	4,049	...	...	...	206	...	26,126
Alberta .....	...	...	...	...	...	170	1,560,805	...
British Columbia .....	...	5,736	...	...	...	5,932	...	3,468
CANADA	5,556	49,575	113,942	4,296	...	29,344	1,565,067	1,757,142			

Table 28 - POWER EQUIPMENT IN THE DOMESTIC CLAY PRODUCTS INDUSTRY, 1946

Description	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total horse power (x)	Number of units	Total horse power (x)
Steam engines	40	3,432	2	175
Steam turbines	1	129	...	...
Diesel engines	11	653	...	...
Gasoline, gas and oil engines, other than diesel engines	67	2,547	2	50
Hydraulic turbines or water wheels	17	712	...	...
Electric motors -				
(a) Operated by purchased power	623	14,162	36	1,204
TOTAL	759	21,635	40	1,429
(b) Operated by power generated by the establishment ..	31	232	...	...
Stationary boilers	50	4,576	1	50
Motor-generator sets	9	792	...	...

(x) According to manufacturers' rating.

LIST OF OPERATORS WHO SHIPPED BRICK, TILE, SEWER PIPE, ETC., MADE FROM DOMESTIC CLAYS, 1946.

(a) Clay used. (b) Shale used. (c) Idle 1946. (d) Produce bentonite.

Name of Firm	Head Office Address	Location of Plant
<u>NOVA SCOTIA -</u>		
Brooks, Stephen & Son (a)(b)	Box 159, New Glasgow	New Glasgow
Harriss & Harriss	5 Byng Ave., Sydney	Sydney
Shaw, L. E. Ltd. (a)(b)	74 Bedford Road, Halifax	Elmsdale
Standard Clay Products Ltd. (a)(b)	St. Johns, Que.	New Glasgow
<u>NEW BRUNSWICK -</u>		
Ryan, M. & Son Ltd. (a)	Fredericton	Fredericton
Shaw, L. E. Ltd. (b)	74 Bedford Road, Halifax, N.S.	Chipman
<u>QUEBEC -</u>		
Ascot Tile & Brick Co. Ltd. (c)	Ascot Corner	Ascot Corner
Canada China Clay & Silica Ltd.	Kasil	Kasil
Castonguay, Hubert	Deschaillons	Deschaillons
Citadelle Brique Ltee (d)	14 rue St. Joseph, Quebec	Boischatel and Beauport E.
Desmarais, S. E. & Co. (a)	Richmond	Richmond
East-Angus Brick & Tile (a)	Box 553, East Angus	Westbury Tp.
Laprairie Co. Inc., The (a)(b)	906 University Tower Bldg., Montreal	Laprairie and Delson Junction
Montreal Terra Cotta Ltd. (a)	911 Dominion Square Bldg., Montreal	Lakeside and Deschaillons
Potvin, Arthur (c)	Mitchell Station	Mitchel Station
Potvin & Chandonnet (a)	Deschaillons	Deschaillons
Roy, O. & P. (a)	St. George West	St. George West
St. Lawrence Brick Co. Ltd. (b)	1010 St. Catherine St. W., Montreal	Laprairie
St. Tite Briqueterie Ltee (a)	132 Rue St. Paul, St. Tite	St. Tite
Scott Brique Reg., La (a)	Scott Junction	Scott Junction
Standard Clay Products Ltd. (a)	Box 189, St. Johns	St. Johns
<u>ONTARIO -</u>		
Barnes, Wm. R. Co. Ltd. (a)	243 Cumberland Ave., Hamilton	Waterdown
Brampton Pressed Brick Co. Ltd. (b)	Brampton	Brampton
Broadwell, B. & Son (a)	Kingsville	Gosfield S. Tp.
Canadian Pressed Brick Co. Ltd. (b)	Kenilworth S. Ave., Hamilton	Hamilton
Central Tile Brick Corp. Ltd. (a)	Tilbury	Tilbury and Belle River
Construction Materials Ltd. (a)(b)	Drawer 70, New Toronto	Etobicoke Tp.
Cooksville Co. Ltd. (b)	46 Bloor St. W., Toronto	Cooksville
Cornhill, James & Sons Ltd.	Box 36, Chatham	Harwich Tp.
Coultis, George & Son (b)	Thedford	Bosanquet Tp.
Curtin, F. Estate (a)	R. R. 4, Lindsay	Lindsay
Curtis Bros. (a)	Box 809, Peterborough	Otonabee Tp.
Deller, Albert & Son (a)	Brownsville	Brownsville
Dochart Brick, Tile & Terra Cotta Works (a)	Arnprior	Arnprior
Donaldson, Thos. G. (a)	R. R. 1, Greenock	Culross Tp.
Douglas, John R. (a)(c)	Wilkesport	Lambton Co.
Dresden Tile Yard (a)	R. R. No.2, Dresden	Dresden
Elliott, James, Jr. (a)	519 Wellington St. W., Sault Ste. Marie	Korah Tp.
Elliott, Wm. (a)	R. R. 1, Glenannan	Bruce Co.
Fletcher Brick & Tile (a)	Fletcher	Tilbury E. Tp.
Frid Bros. Ltd. (a)	790 Main St. W., Hamilton	Hamilton
Hamilton Pressed Brick Co. Ltd. (a)(b)	211 Kensington Ave. S., Hamilton	Wentworth Co.
Hill, Aaron (a)	Box 217, Essex	Essex
Hill, A. W. & Sons (a)	Coatsworth	Tilbury E. Tp.
Hodders Tile Yard	Dutton	Elgin County
Howlett, Fred W. & Sons Ltd. (a)	Petrolia	Lambton Co.
Huntsville Brick Works (a)	Box 219, Huntsville	Chaffey Tp.
Interprovincial Brick Co. Ltd. (b)	46 Bloor St. W., Toronto	Cheltenham, Milton
Janes, D. A. (a)(c)	Mt. Brydges	Caradoc Tp.
Koebel Bros. (a)	St. Clements	St. Clements
Lindsay, Earl & Sons (a)	R. R. 2, Wallaceburg	Kent Co.
Martin, Amos C. (a)	R. R. 3, Wallenstein	Peel Tp.

LIST OF OPERATORS WHO SHIPPED BRICK, TILE, SEWER PIPE, ETC., MADE FROM DOMESTIC CLAYS, 1946
(Continued)

Name of Firm	Head Office Address	Location of Plant
Ontario (Con.) -		
McComb, Chester (a)	R. R. 2, London	Middlesex
McFarlane, W. J. (b)	Forest	Forest
McFarren, F. B. Ltd. (b)	120 Wellington St. W., Toronto	Streetsville
Milton Brick Co. Ltd. (b)	170 Bloor St. W., Toronto	Esquesing Tp.
Napanee Brick & Tile Works (a)	R. R. 3, Napanee	Lennox Co.
National Fireproofing Co. of Canada Ltd. (a)(b)	57 Bloor St. W., Toronto 5	Wentworth Tp.
National Sewer Pipe Co. Ltd. (a)(b)	320 Bay St., Toronto	Hamilton, Swansea
Norwich Brick & Tile Works (a)	R. R. 2, Norwich	Oxford Co.
Ontario Reformatory (a)(b)	Mimico	Etobicoke Tp.
Ottawa Brick & Terra Cotta Co. Ltd. (a)(b)	Billings Bridge	Billings Bridge
Owen Sound Brick Co. Ltd. (a)	Owen Sound	Owen Sound
Paxton, Fred R. (a)	70 Herrick Ave., St. Catharines	St. Catharines
Phinn Brick Co. (a)	238 Briscoe St., London	London
Phippen & Son (a)	390 Dawes Road, East York	East York
Seegmiller, E. & E. Ltd. (a)	525 Wendell Ave., Kitchener	Kitchener
Sproat & Sproat (a)	R. R. 4, Seaforth	Tuckersmith Tp.
Superior Brick & Tile Co. Ltd. (a)	426 Victoria Ave., Fort William	Paipoonge Tp.
Taylor Bros. (a)	Beaverton	Beaverton
Thomson, Ralph (a)	R. R. 4, Atwood	Grey Tp.
Toronto Brick Co. Ltd. (a)(b)	897 Bay St., Toronto 5	York Tp.
Wagstaff Brick Tile Co. (a)	R. R. 4, Lindsay	Victoria
Wallace, R. & Son (a)	92 First Ave., North Bay	Widdifield
Winch, Stuart A. (a)	Paisley	Bruce
Wright, F. M. (a)	Comber	Tilbury W. Tp.
MANITOBA -		
Alsip Brick, Tile & Lumber Co. Ltd. (a)	537 Portage Ave., Winnipeg	Winnipeg, Whitemouth and Portage la Prairie
Marion Brick, Tile & Clay Products Ltd. (a)	219 Laverendrye St., St. Boniface	Old Kildonan
Pembina Mountain Clays Ltd.	915 Paris Bldg., Winnipeg	Morden
SASKATCHEWAN -		
Alberta Clay Products Co. Ltd. (a)	Medicine Hat, Alta.	Ravenscrag, Eastend, Willows
Bruno Clay Works Ltd. (a)	411 Alberta Ave., Saskatoon	Bruno
Dominion Fire Brick & Clay Products Ltd. (a)	Box 99, Moose Jaw	Claybank
Medalta Potteries Ltd. (a)	Industrial Ave., Medicine Hat	Willows, Eastend
Medicine Hat Potteries (a)	Box 672, Medicine Hat, Alta.	Readlyn
Midland Clay Co. (a)(c)	Willow Bunch	Willow Bunch
Saskatchewan Clay Products Corp. (a)	Estevan	Estevan
Yorkton Brick Yard (a)	Yorkton	Yorkton
ALBERTA -		
Acme Brick Co. Ltd. (a)	125 Alberta Block, Edmonton	Cannell
Aetna Coal Co. (d)	East Coulee	Rosedale Ferry
Alberta Clay Products Co. Ltd. (a)	Medicine Hat	Medicine Hat
Grande Prairie Brick Yard	Grande Prairie	Grande Prairie
Gunderson Brick & Coal Co. Ltd. (b)	Redcliff	Redcliff
Kidd, Gordon L. (d)	Box 230, Drumheller	Drumheller
Little, J.B. & Sons Ltd. (a)	10015 - 93 Street, Edmonton	Edmonton
Medicine Hat Brick & Tile Co. Ltd. (a)	Box 100, Medicine Hat	Medicine Hat
Redcliff Pressed Brick Co. Ltd. (a)(b)	Redcliff	Redcliff

LIST OF OPERATORS WHO SHIPPED BRICK, TILE, SEWER PIPE, ETC., MADE FROM DOMESTIC CLAYS, 1946
(Concluded)

Name of Firm	Head Office Address	Location of Plant
BRITISH COLUMBIA -		
Abbotsford Fire & Pressed Brick Co. Ltd. (b)	Abbotsford	New Westminster
Baker Brick & Tile Co. Ltd. (a)	3191 Douglas St., Victoria	Victoria
Bazan Bay Brick & Tile Co.	Saanichton	Bazan Bay
Clayburn Co. Ltd. (a)(b)	850 W. Hastings St., Vancouver	Kilgard
Coast Clay Products (a)	Pleasantside	Port Moody
Evans, Coleman & Evans (b)	902 Columbia Ave., Vancouver	Gabriola Island
Fairey & Co. (a)	661 Taylor St., Vancouver	Vancouver
Glover, F. (c)	Princeton	Princeton
Haug, Wm. & Son (a)(c)	Box 220, Kelowna	Kelowna
Port Haney Brick Co. Ltd. (a)	246 Howe St., Vancouver	Haney
Port Moody Brick Co. (a)(c)	1875 E. 38th Ave., Vancouver	Port Moody
Richmond, George W. (a)(c)	4190 Blenheim St., Vancouver	Kilgard
Vancouver Brick & Tile Co. Ltd. (a)(c)	902 Columbia St., New Westminster	Sullivan (L. M. & Bros.)

PRODUCERS OF STONEWARE AND POTTERY, 1946

NEW BRUNSWICK -		
Canuck Pottery	198 Union St., Saint John	Saint John
Deichmann, K.	Moss Glen	Moss Glen
Foley Pottery Ltd. (c)	Saint John	Saint John
QUEBEC -		
Elsterman Quebec Art Pottery (a)	Box 552 Ste. Agathe des Monts	Ste. Agathe des Monts
Laurentian Art Pottery Inc.	St. Jerome	St. Jerome
Poterie de Saguenay, La	Chicoutimi	Chicoutimi
Syndicat des Ceramistes Paysans de Beauce	St. Joseph de Beauce	St. Joseph de Beauce
ONTARIO -		
Foster Pottery Co.	Main St. W., Hamilton	Hamilton
ALBERTA -		
Medalta Potteries Ltd.	Industrial Ave., Medicine Hat	Medicine Hat
Medicine Hat Potteries	Medicine Hat	Medicine Hat

II. PRODUCTS FROM IMPORTED CLAYS, 1946

This industry covers the operations of Canadian plants which were occupied chiefly in making ceramic products from imported clays. Products made in these plants during 1946 included high tension insulators, vitreous china sanitary ware, china dinnerware, firebrick, sewer pipe, floor and wall tile, refractory cements, electrical porcelains, etc.

Thirty-two plants reported in this group for 1946 and their output was valued at \$7,073,371 against last year's total of \$5,327,282 and the 1944 figure of \$4,424,565. The average number of workers was 1,913 and payments for salaries and wages totalled \$2,870,543. Fuel and electricity cost \$440,771 and materials for use in manufacturing processes cost \$1,674,391.

Table 29 - PRINCIPAL STATISTICS OF THE IMPORTED CLAY PRODUCTS INDUSTRY, 1945 and 1946

	1945	1946
Number of plants	28	32
Average number of employees	1,427	1,913
Salaries and wages	\$ 2,064,645	\$ 2,870,543
Cost of fuel and electricity	\$ 345,127	\$ 440,771
Cost of materials at works	\$ 1,167,283	\$ 1,674,391
Gross selling value of products at works \$	5,327,282	7,073,371

NOTE: Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 30 - EMPLOYEES, SALARIES AND WAGES IN THE IMPORTED CLAY PRODUCTS INDUSTRY, BY PROVINCES, 1945 and 1946

Provinces	Average Number of Employees				Total	Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries	On Wages	Male	Female				
<u>1945</u>								
Ontario	81	58	653	368	1,160	286,895	1,278,678	1,565,573
Quebec	25	10	226	6	267	78,861	420,211	499,072
British Columbia)								
CANADA	106	68	879	374	1,427	365,756	1,698,889	2,064,645

1946

Ontario	104	62	974	473	1,613	355,179	1,937,711	2,292,890
Quebec								
Manitoba	35	9	248	8	300	95,530	482,123	577,653
British Columbia)								
CANADA	139	71	1,222	481	1,913	450,709	2,419,834	2,870,543

Table 31 - WAGE-EARNERS, BY MONTHS, IN THE IMPORTED CLAY PRODUCTS INDUSTRY, 1945 and 1946 (Number on pay-roll on the last work day of each month)

Month	1945			1946		
	Male	Female	TOTAL	Male	Female	TOTAL
January	708	226	934	1,054	427	1,481
February	833	364	1,197	1,045	453	1,498
March	825	356	1,181	1,147	465	1,612
April	823	361	1,184	1,170	468	1,638
May	840	377	1,217	1,161	468	1,629
June	881	417	1,298	1,189	453	1,642
July	805	371	1,176	1,236	466	1,702
August	875	381	1,256	1,305	510	1,815
September	928	408	1,336	1,339	499	1,838
October	990	400	1,390	1,332	531	1,863
November	1,016	418	1,434	1,370	529	1,899
December	1,016	404	1,420	1,336	510	1,846
AVERAGE	879	374	1,253	1,222	481	1,703

Table 32 - FUEL AND ELECTRICITY USED IN THE IMPORTED CLAY PRODUCTS INDUSTRY, 1945 and 1946

Kind	Unit of measure	1945		1946	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Coal, anthracite	ton	...	...	12	182
Coal, bituminous - Canadian	ton	78	784	3,437	26,095
Imported	ton	23,157	189,011	19,817	178,644
Coke	ton	1,603	18,131	2,074	23,021
Gasoline	Imp.gal.	12,454	4,011	14,998	5,015
Kerosene	Imp.gal.	2,160	383	4,963	883
Fuel oil	Imp.gal.	508,417	48,268	1,541,792	130,802
Wood	cord	21	222	56	544
Gas - Manufactured	M cu.ft.	128,471	45,395	55,353	23,353
Natural	M cu.ft.	2,251	1,490	2,500	2,700
Electricity purchased	K.W.H.	3,116,857	36,415	4,234,556	47,753
Other fuel .....	...	...	1,017	...	1,779
TOTAL .....	...	...	345,127	...	440,771

Table 33 - POWER EQUIPMENT IN THE IMPORTED CLAY PRODUCTS INDUSTRY, 1945 and 1946

	1945		1946	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines	2	390	1	100
Gasoline, gas and oil engines	1	2	1	2
Electric motors run by purchased power (except motor-generator sets)	892	2,632	1,106	2,963
TOTAL	895	3,024	1,108	3,065
Stationary power boilers	10	721	10	608
Motor-generator sets .....	...	...	...	...

Table 34 - MATERIALS USED IN THE IMPORTED CLAY PRODUCTS INDUSTRY, 1945 and 1946

Material	1945		1946	
	Short tons	Total cost at works \$	Short tons	Total cost at works \$
Imported clays - Ball clay	3,209	58,835	4,825	100,154
China clay	3,183	73,750	4,641	99,502
Fireclay	27,892	227,826	29,833	239,088
Sagger clay	648	11,157	769	15,856
Other imported clays ...	1,090	23,258	1,327	26,852
Canadian clays - China clay	12	540	16	660
Fireclay	35	735	43	1,312
Other Canadian clays ...	10	165	232	2,445
Firebrick, ground or broken (grog), including scrap brick	6,237	91,504	...	98,095
Feldspar	2,747	58,135	3,806	87,439
Silica sand and ground quartz	3,659	52,946	4,554	53,215
Sodium silicate	177	5,320	427	12,325
Talc	713	12,392	1,107	19,542
Other glazing materials .....	...	21,811	...	36,085
Insulator hardware .....	...	215,620	...	461,850
Shipping containers and packing materials	...	165,470	...	245,164
All other materials and process supplies.	...	147,819	...	174,807
TOTAL .....	...	1,167,283	...	1,674,391

Table 35 - PRODUCTS MADE IN THE IMPORTED CLAY PRODUCTS INDUSTRY, 1945 and 1946

Product	1 9 4 5		1 9 4 6	
	Gross selling value at works	\$	Gross selling value at works	\$
Firebrick and stove linings - Rigid	452,110		488,562	
Plastic	277,019		381,455	
High temperature cements	125,425		126,306	
Electrical porcelains (high tension insulators and other electrical porcelains)	1,474,245		2,504,503	
Pottery - Artware	2,219,929		475,700	
Pottery, other (sanitary ware, tableware, etc.)	778,554		2,071,349	
All other products (x)			1,025,496	
TOTAL	5,327,282		7,073,371	

(x) Includes sewer pipe, floor tile, wall tile, flue lining, etc.

Table 36 - TOTAL PRODUCTION IN CANADA OF REFRACTORY SHAPES, 1937-1946

Year	From Domestic Clays			Other (x)		
	Fireclay blocks and shapes	Firebrick		Silica Brick	Rigid fire-brick and stove linings	TOTAL
		M	\$			
	\$			M	\$	\$
1937	75,431	2,950	142,827	3,744	181,126	441,341
1938	73,512	2,213	113,581	1,788	100,403	448,494
1939	95,256	2,331	119,346	2,493	124,807	640,376
1940	85,127	3,167	165,525	3,438	182,786	892,072
1941	190,497	3,643	183,897	4,111	238,433	1,186,805
1942	210,246	3,816	197,830	4,273	263,006	1,753,245
1943	262,154	3,644	192,618	4,165	295,505	1,461,484
1944	221,251	3,180	164,837	3,764	296,292	1,706,706
1945	225,275	3,466	186,651	4,208	317,263	1,484,301
1946	222,430	3,367	205,849	2,902	197,804	1,566,026
						2,192,109

(x) Includes shapes made from imported clays, from magnesite, etc., amounting to 54,800 tons in 1942, to 31,341 tons in 1943, to 29,400 tons in 1944, to 26,532 tons in 1945 and to 26,832 tons in 1946.

Table 37 - TOTAL PRODUCTION IN CANADA OF REFRACTORY CEMENTS AND PLASTICS, 1937-1946

Year	Short tons	Selling Value at Works	
		\$	
1937	5,303	260,883	
1938	7,155	377,687	
1939	5,094	271,106	
1940	10,915	630,450	
1941	16,379	933,388	
1942	18,458	1,027,836	
1943	18,619	1,100,310	
1944	17,383	980,365	
1945	18,308	1,061,786	
1946	18,166	1,071,224	

LIST OF FIRMS IN THE IMPORTED CLAY PRODUCTS INDUSTRY, 1946

Name of Firm	Address
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Quebec -

Canada Firebrick Company Limited	4741 St. Ambroise St., Montreal
Canadian Potteries Limited	5 Mackenzie King St., St. Johns
Elsterman Quebec Art Pottery	22 Leblanc St., Ste. Agathe des Moulins
Standard Clay Products	St. Johns
Walker-Hind-Sutherland Refractories Ltd.	309 St. Ferdinand St., Montreal

Ontario -

Ajax Clay Products	4160 Dundas St. W., Toronto
Armaco Limited	Bower St., Acton
Ball, R. N.	419 Drew St., Woodstock
Canadian Ohio Brass Company Limited	Thorold Rd., Niagara Falls
Canadian Porcelain Company Limited	Paradise Rd., Hamilton
Canada Vitrified Products Limited	Talbot St. E., St. Thomas
Iva Crumback China	58 Perry St., Woodstock
Dominion Potteries	Dundas St. N., Oakville
Donvale Pottery Company	27 Davies Ave., Toronto 8
Electro Porcelain Limited	2 Stewart St., Kitchener
Ecanada Art Pottery	206 Dundurn St. S., Hamilton
Frontenac Floor & Wall Tile Co. Limited	Kingston
Georgetown Clay Products Limited	King St., Georgetown
Green, A. P., Fire Brick Co. Ltd.	Commercial St. (Leaside), Toronto 12
Hamilton Porcelains Limited	38 Elgin St., Brantford
Hamilton Potteries Limited	100 Locke St., Hamilton
McMaster Pottery	Main St., Dundas
National Refractories Limited	Port Robinson
Plibrico Jointless Firebrick Ltd.	Horner Ave., Toronto 14
Robinson Clay Product Co. of Canada Ltd.	119 Shaftesbury Ave., Toronto
Smith Potteries	353 King St. W., Oshawa
Sovereign Potteries Limited	282 Sherman Ave. N., Hamilton
York China and Artware Co. Ltd.	615 Spadina Ave., Toronto
Royal Canadian Art Pottery	Kenilworth Ave., Hamilton
John Petrik Limited	290 Dundas St., Woodstock

Manitoba -

Steinbach Pottery	Steinbach
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British Columbia -

Allen Refractories	69-E .. 1st Ave., Vancouver
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