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**CANADA**

**DEPARTMENT OF TRADE AND COMMERCE**

**DOMINION BUREAU OF STATISTICS**



**THE PAINTS, PIGMENTS & VARNISHES INDUSTRY**

**IN**

**CANADA**

**1933**

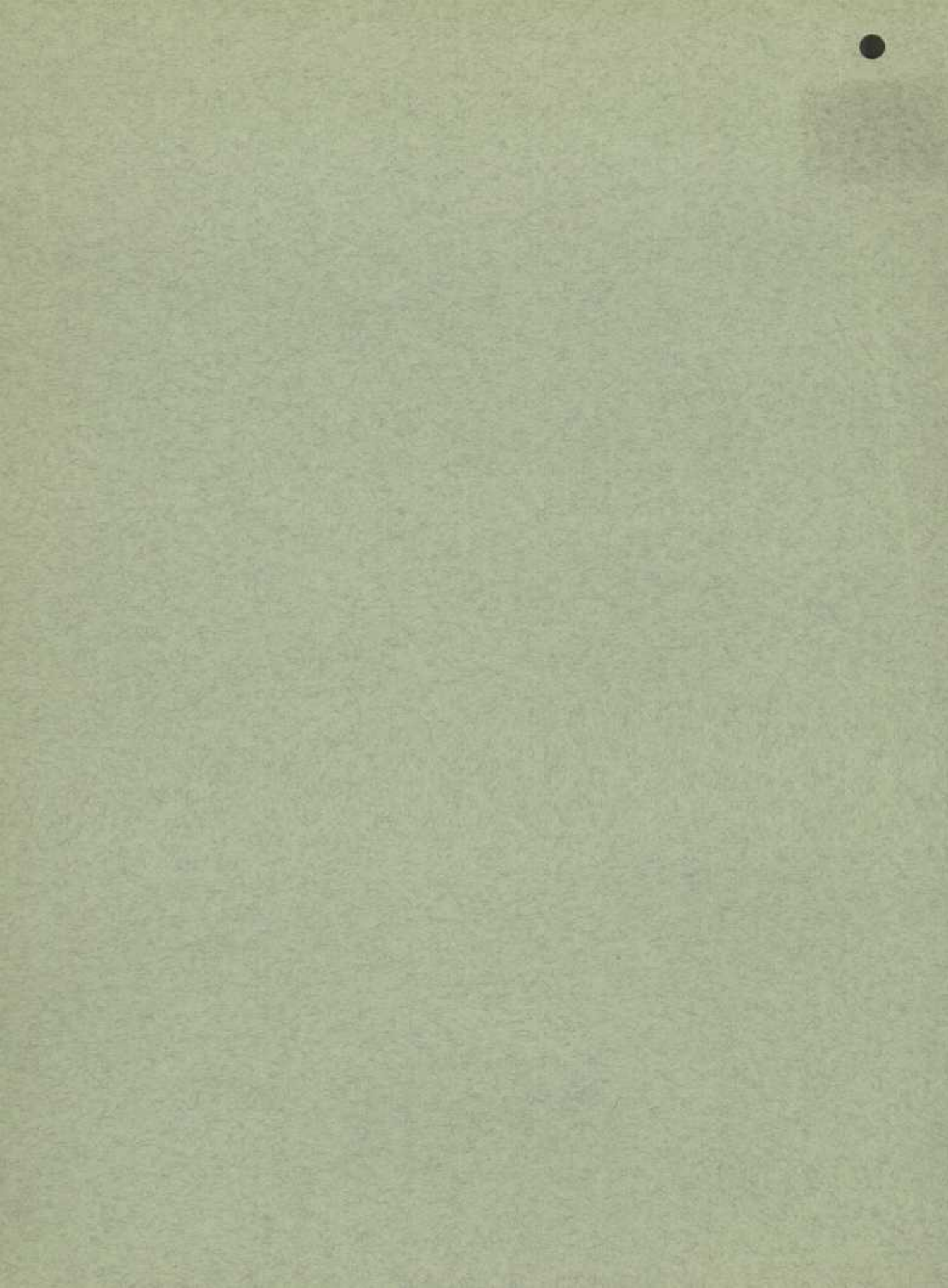
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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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CHEMICALS AND ALLIED PRODUCTS

PAINTS, PIGMENTS AND VARNISHES INDUSTRY, 1933.

Production of paints, pigments and varnishes industry in Canada was valued at \$14,896,693 at factory prices in 1933 compared with \$14,912,383 in 1932. The 1933 value is the lowest on record but the decline from the figures for earlier years is partly due to the fall in prices for paints and allied products. The Bureau's index number of wholesale prices for paints and pigments stood at 68.6 in 1933 compared with 70.2 in 1932, 75.4 in 1931, 84.3 in 1930 and 93.4 in 1929. The record value of production was in 1929 at \$27,103,465 and the total has declined each succeeding year.

In 1933 reports were received from 78 factories, 7 more than in 1932; 41 were in Ontario, 20 in Quebec, 8 in British Columbia, 4 in Manitoba, 2 in Saskatchewan and 1 in each of Nova Scotia, New Brunswick and Alberta. Works in Ontario accounted for 47 per cent of the total output and establishments in Quebec accounted for 39 per cent.

Capital employed in 1933 was reported at \$22,438,251, a decline of a million dollars from the 1932 figure. The value of land, buildings, and equipment was given at \$11,713,538 in 1933, inventories were worth \$5,434,019 and operating capital totalled \$5,290,694.

The average number of employees in 1933 was 2,540 compared with 2,658 in the previous year; 1,149 persons worked in Ontario factories, 981 in Quebec, 197 in Manitoba, 146 in British Columbia and 67 in other provinces. Payments for salaries and wages during the year aggregated \$3,464,947.

Materials for manufacturing cost \$6,153,836 in 1933. Quantities and costs of the principal materials are shown in Table 10.

Production figures in detail are shown in Tables 11 and 12 for 1932 and 1933 and comparative figures for earlier years are shown for the main items in Table 13.

Imports of paints, pigments and varnishes during 1933 were valued at \$2,480,126 including \$1,211,085 from the United States, \$1,007,123 from the United Kingdom and \$261,918 from other countries. The main items of imports were: carbon black, \$304,253; lithopone, \$406,598; zinc oxide, \$428,201; litharge, \$100,816; oxides and dry colours, \$573,607.

Exports from Canada during 1933 were appraised at \$383,368 of which \$149,283 went to the United Kingdom, \$27,753 to the United States and \$206,332 to other countries.



Table 1 - PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF PAINTS, PIGMENTS AND VARNISHES, 1926 - 1933.

Years	Production	Imports	Exports
	\$	\$	\$
1926 .....	22,279,382	4,377,998	502,183
1927 .....	22,606,063	4,964,468	428,548
1928 .....	24,703,733	5,549,481	502,970
1929 .....	27,103,465	6,219,302	490,426
1930 .....	23,966,502	4,663,681	480,819
1931 .....	18,536,463	3,478,179	303,469
1932 .....	14,912,383	2,765,137	374,274
1933 .....	14,896,693	2,480,126	383,368

Table 2 - PRINCIPAL STATISTICS OF THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA 1922 - 1933.

Years	No. of plants	Capital employed	Average	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
			number of employees				
		\$		\$	\$	\$	\$
1922 .....	53	21,073,706	2,452	3,421,216	9,790,603	18,623,305	8,832,702
1923 .....	57	20,806,909	2,591	3,665,823	9,965,145	20,938,802	10,973,657
1924 .....	55	20,587,356	2,287	3,044,228	9,778,525	18,187,681	8,409,156
1925 .....	62	21,460,431	2,355	3,093,191	9,974,106	19,530,082	9,555,976
1926 .....	64	22,890,807	2,484	3,375,961	10,667,673	22,279,382	11,611,709
1927 .....	62	23,162,090	2,563	3,552,586	10,474,908	22,606,063	12,131,155
1928 .....	68	24,256,008	2,881	3,967,295	11,387,295	24,703,733	13,316,438
1929 .....	69	26,471,976	2,851	4,260,019	12,414,829	27,103,465	14,688,636
1930 .....	78	26,212,828	2,835	4,307,998	11,094,435	23,966,502	12,872,067
1931 .....	75	24,985,476	2,780	4,281,861	7,974,852	18,536,463	10,561,611
1932 .....	71	23,978,252	2,658	3,858,813	6,295,860	14,912,383	8,616,523
1933 -							
Quebec .....	20	10,955,184	981	1,404,526	2,462,836	5,870,000	3,407,164
Ontario .....	41	7,345,767	1,149	1,635,680	2,828,297	6,992,028	4,163,731
Manitoba .....	4	1,587,516	197	181,015	372,273	836,125	463,852
British Columbia .....	8	1,536,013	146	173,510	348,813	743,106	394,293
Nova Scotia ....	1)						
New Brunswick ..	1)						
Saskatchewan ...	2)	1,013,771	67	70,216	141,617	455,434	313,817
Alberta .....	1)						
CANADA .....	73	22,433,251	2,540	3,464,947	6,153,836	14,896,693	8,742,857

Table 3 - CAPITAL EMPLOYED, BY CLASSES AND BY PROVINCES, 1932 and 1933.

Provinces	Present value of lands, buildings, machinery, tools and other equipment	Inventory value		Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
		of materials on hand, stocks in process and miscellaneous supplies on hand	Inventory value of finished products on hand		
	\$	\$	\$	\$	\$
<u>1932</u>					
Quebec .....	5,947,738	1,360,587	1,264,239	3,299,248	11,871,812
Ontario .....	4,061,218	1,141,346	962,485	2,885,064	9,050,113
Manitoba .....	541,105	155,281	77,645	143,999	918,030
British Columbia..	672,506	183,067	249,312	346,460	1,451,345
Other provinces ..	426,117	164,140	78,516	18,179	686,952
CANADA .....	11,648,684	3,004,421	2,632,197	6,692,950	23,978,252

Table 3 - CAPITAL EMPLOYED, BY CLASSES AND BY PROVINCES, 1932 and 1933. (concluded)

Provinces	Present value	Inventory value	Inventory	Operating capital	TOTAL CAPITAL EMPLOYED
	of lands, build- ings, machinery, tools and other equipment	of materials on hand, stocks in process, and miscellaneous supplies on hand	value of finished products on hand	(cash, bills and accounts receivable, prepaid ex- penses, etc.)	
	\$	\$	\$	\$	\$
<u>1933</u>					
Quebec .....	5,933,506	1,198,337	1,243,446	2,579,895	10,955,184
Ontario .....	3,584,511	893,046	1,011,409	1,856,801	7,345,767
Manitoba .....	847,891	288,676	137,131	313,818	1,587,516
British Columbia.	671,168	160,347	288,691	415,807	1,536,013
Other provinces .	676,462	110,002	102,934	124,373	1,013,771
CANADA .....	11,713,538	2,650,408	2,783,611	5,290,694	22,438,251

Table 4 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1933.

	Number of plants	Capital employed \$	Number of employees	Selling value of products at works \$
<u>(a) PRODUCTION</u>				
Under \$5,000 .....	10	94,511	17	30,065
\$5,000 to \$10,000 .....	5	71,435	18	41,817
\$10,001 to \$25,000 .....	12	706,487	71	223,035
\$25,001 to \$50,000 .....	9	1,077,275	74	323,369
\$50,001 to \$100,000 .....	10	794,425	155	715,771
\$100,001 to \$250,000 .....	12	3,220,999	407	1,928,273
\$250,001 to \$500,000 .....	10	5,415,781	630	3,659,211
Over \$500,000 .....	10	11,057,338	1,168	7,975,152
TOTAL .....	78	22,438,251	2,540	14,896,693
<u>(b) NUMBER OF EMPLOYEES</u>				
1 or 2 .....	10	130,158	15	60,482
3 to 10 .....	27	1,345,570	157	780,677
11 to 20 .....	12	1,601,382	184	1,047,830
21 to 50 .....	12	4,443,762	439	2,976,362
51 to 100 .....	11	6,192,461	809	5,195,742
101 to 500 .....	6	8,724,918	936	4,835,600
TOTAL .....	78	22,438,251	2,540	14,896,693
<u>(c) CAPITAL EMPLOYED</u>				
Under \$25,000 .....	23	275,549	73	319,071
\$25,000 to \$100,000 .....	18	1,090,769	182	853,823
\$100,001 to \$500,000 .....	25	7,033,883	946	5,774,122
\$500,001 to \$1,000,000 ....	5	3,598,447	467	3,208,530
Over \$1,000,000 .....	7	10,439,603	872	4,741,142
TOTAL .....	78	22,438,251	2,540	14,896,693

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1932 and 1933.

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries \$	Wages \$	TOTAL SALARIES AND WAGES \$
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
<u>1932</u>								
Quebec .....	307	103	549	64	1,023	903,919	620,481	1,524,400
Ontario .....	420	124	590	67	1,201	1,182,506	679,453	1,861,959
Manitoba .....	79	9	91	17	196	95,039	96,619	191,658
British Columbia.	37	14	88	12	151	89,699	103,297	192,996
Other provinces .	31	7	46	3	87	53,702	34,093	87,800
CANADA .....	874	257	1,364	163	2,658	2,324,865	1,533,948	3,858,813
<u>1933</u>								
Quebec .....	321	101	506	53	981	842,028	562,493	1,404,526
Ontario .....	419	119	559	52	1,149	1,051,145	584,535	1,635,680
Manitoba .....	78	10	92	17	197	85,525	95,490	181,015
British Columbia.	38	13	83	12	146	81,736	91,724	173,510
Other provinces .	24	8	33	2	67	42,390	27,826	70,216
CANADA .....	880	251	1,273	136	2,540	2,102,874	1,362,073	3,464,947

Table 6 - WAGE-EARNERS, BY MONTHS, 1932 and 1933.

Months	1932			1933		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	1,309	161	1,470	1,157	130	1,287
February .....	1,378	166	1,544	1,150	131	1,281
March .....	1,418	187	1,605	1,227	142	1,369
April .....	1,495	181	1,676	1,306	150	1,456
May .....	1,489	184	1,673	1,353	161	1,519
June .....	1,459	180	1,639	1,368	156	1,524
July .....	1,381	167	1,648	1,318	143	1,461
August .....	1,277	152	1,429	1,265	134	1,399
September .....	1,314	147	1,461	1,282	125	1,407
October .....	1,317	148	1,465	1,277	123	1,400
November .....	1,304	147	1,451	1,310	121	1,431
December .....	1,262	143	1,405	1,275	127	1,402
AVERAGE .....	1,364	163	1,527	1,273	136	1,409

Table 7 - NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT ACCORDING TO REGULAR HOURS PER WEEK, 1933. (Overtime not included)

Regular hours per week	Number of wage-earners	Regular hours per week	Number of wage-earners
40 hours or less .....	127	51 - 53 hours .....	29
41 - 43 hours .....	20	54 hours .....	1
44 hours .....	627	55 hours .....	68
45 - 47 hours .....	184	56 - 59 hours .....	26
48 hours .....	217	60 hours .....	7
49 - 50 hours .....	302	Over 60 hours .....	30



Table 8 - FUEL AND ELECTRICITY USED, BY KINDS, 1932 and 1933.

Kinds	Unit of measure	1932		1933	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian ..	short ton	8,350	55,528	7,323	44,103
Imported ..	short ton	8,331	48,493	8,746	54,169
Anthracite coal .....	short ton	1,557	7,030	906	4,342
Lignite coal - Canadian .....	short ton	6	65	...	...
Coke .....	short ton	1,530	14,515	1,301	12,413
Gasoline .....	Imp. gal.	200	54	...	...
Kerosene or coal oil .....	Imp. gal.	410	72	1,005	173
Fuel oil .....	Imp. gal.	251,339	17,652	334,581	22,907
Wood .....	cord	645	2,589	731	2,905
Gas - Manufactured .....	M cu.ft.	882	791	694	612
Natural .....	M cu.ft.	363	289	475	301
Other fuel .....	xx	...	5,767	...	3,178
Electricity purchased .....	K.W.H.	7,241,684	99,427	6,373,397	101,964
TOTAL .....	xx	...	252,272	...	247,067

Table 9 - POWER EQUIPMENT, 1932 and 1933.

Kinds	1932		1933	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines .....	17	789	16	764
Gasoline, gas and oil engines .....	2	12	1	9
Hydraulic turbines or water wheels .....	1	90	1	90
Total Primary Equipment .....	20	891	18	863
Electric motors run by purchased power ..	748	6,320	791	6,437
TOTAL .....	768	7,211	809	7,300
Total Electric Motors .....	748	6,320	791	6,437
Boilers .....	48	3,123	50	3,313

Table 10 - MATERIALS USED, 1932 and 1933.

Materials	Unit of measure	1932		1933	
		Quantity	Cost at works	Quantity	Cost at works
<u>Pigments, colours and fillers -</u>					
Pig lead .....	lb.	11,414,830	391,113	10,771,975	391,381
Basic carbonate white lead, dry ..	lb.	2,420,982	172,125	2,266,174	156,198
Basic carbonate white lead, in oil lb.	lb.	747,892	54,892	836,126	60,535
Basic sulphate white lead .....	lb.	128,518	13,117	110,768	13,186
Red lead .....	lb.	636,337	41,095	562,929	34,992
Litharge .....	lb.	507,121	29,636	812,471	43,076
Zinc .....	lb.	221,827	12,501)		
Zinc ore .....	lb.	1,059,101	16,842)	1,003,896	32,679
Zinc oxide, pure .....	lb.	1,624,738	113,496	1,931,942	108,470
Leaded zinc oxides and zinc leads. lb.	lb.	1,402,142	83,802	1,298,508	64,997
Lithopone .....	lb.	7,630,576	346,242	7,858,659	322,796
Titanium white .....	lb.	691,304	96,759	1,071,249	129,012
Nitrocellulose .....	lb.	408,004	103,305	466,149	104,064
Blanc fixe .....	lb.	23,353	817	47,793	1,471
Barytes .....	lb.	2,064,303	35,138	2,062,957	33,578
Satin white .....	lb.	264,531	1,836	136,891	1,499
Whiting or chalk .....	lb.	9,460,822	39,282	9,296,923	79,279

Table 10 - MATERIALS USED, 1932 and 1933. (continued)

Materials	Unit of measure	1	9	3	2	1	9	3	3	
		Quantity			Cost at works	Quantity			Cost at works	
				\$				\$		
<u>Pigments, colours and fillers - concluded</u>										
Asbestine .....	lb.	2,488,166			32,857	2,758,551			34,597	
Kaolin or china clay .....	lb.	971,680			12,240	2,653,325			15,860	
Silica, silex or infusorial earth .	lb.	965,209			14,837	819,090			12,970	
Iron oxide pigments .....	lb.	1,402,025			52,323	1,008,181			43,826	
Ochres, siennas and umbers .....	lb.	1,025,240			48,037	981,554			43,671	
Coal tar lakes (all colours) .....	lb.	68,176			44,388	75,777			45,847	
Ultramarine blue .....	lb.	105,791			15,803	96,859			14,806	
Prussian blue .....	lb.	34,844			13,054	39,296			15,540	
Graphite .....	lb.	87,960			3,837	93,740			3,706	
Lampblack, and other carbon blacks.	lb.	215,748			29,052	234,063			28,351	
Chrome colours .....	lb.)					764,682			109,595	
Sodium bichromate .....	lb.)					359,787			34,200	
Sodium prussiate, yellow .....	lb.)					164,752			22,003	
Other dry colours .....	lb.)	3,772,998			322,175	832,034			99,592	
All other pigments, fillers and colours .....	lb.)					954,919			90,787	
<u>Driers -</u>										
Manganese salts .....	lb.	49,673			5,324	34,038			3,379	
Cobalt salts .....	lb.	17,021			10,960	10,885			7,463	
Resins .....	lb.	3,220,232			149,826	3,437,400			149,241	
Glue .....	lb.	335,450			79,939	353,465			70,711	
Gums .....	lb.	1,566,338			177,840	1,702,552			186,651	
Shellac .....	gal.	20,848			64,099	26,903			51,492	
Waxes .....	lb.	126,832			10,586	141,240			12,147	
Linoleate driers .....	gal.	6,721			4,031	5,379			4,929	
Resinate driers .....	gal.	32,188			11,622	24,991			10,952	
All other driers .....	lb.	67,970			7,267	224,682			17,131	
<u>Oils and Solvents -</u>										
Linseed oil, raw .....	gal.	886,346			455,049	779,186			424,473	
Linseed oil, boiled and treated ...	gal.	370,463			216,102	392,842			237,110	
China wood oil (tung oil) .....	gal.	474,671			249,984	420,936			226,399	
Soya bean oil .....	gal.	15,852			11,352	18,486			10,320	
Other oils .....	gal.	...			...	184,169			96,876	
Fish oils .....	gal.	42,607			20,250	46,753			14,796	
Perilla oil .....	gal.	7,545			6,526	4,194			2,533	
Turpentine .....	gal.	403,639			220,746	323,792			202,370	
Petroleum distillates .....	gal.	1,634,441			273,321	1,755,808			278,914	
Acetone .....	lb.	110,754			16,211	172,599			17,898	
Acetic acid .....	lb.	336,768			27,434	278,452			22,134	
Amyl alcohol .....	gal.	13,508			23,336	18,620			23,630	
Amyl acetate .....	gal.	18,018			35,709	13,431			19,571	
Butyl alcohol .....	gal.	16,875			25,693	10,523			14,945	
Butyl acetate .....	gal.	81,494			117,151	85,406			113,855	
Denatured alcohol .....	gal.	114,968			92,234	141,870			93,761	
Ethyl alcohol .....	gal.	15,524			13,855	11,381			6,898	
Ethyl acetate .....	gal.	98,307			100,895	98,833			106,837	
Methyl hydrate (wood alcohol) .....	gal.	50,892			39,359	20,763			14,713	
Creosote .....	gal.	33,064			11,122	38,056			12,022	
Benzol .....	gal.	38,791			15,286	70,477			32,266	
Coal tar pitch .....	lb.	175,525			16,777	535,086			10,298	
Asphalt and asphaltum .....	lb.	738,690			21,929	1,284,280			29,759	
Toluol .....	gal.	210,269			111,723	186,108			102,303	



Table 10 - MATERIALS USED, 1932 and 1933. (concluded)

Materials	Unit of measure	1 9 3 2		1 9 3 3	
		Quantity	Cost at works \$	Quantity	Cost at works \$
<u>Oils and Solvents - (concluded)</u>					
Xylol .....	gal.	16,700	7,853	149,317	75,396
Varnishes .....	gal.	...	...	156,393	123,935
Cans, cases, barrels, labels, etc..	xx	...	906,957	...	805,823
All other materials .....	xx	...	546,325	...	327,291
<b>TOTAL .....</b>	<b>xx</b>	<b>...</b>	<b>6,295,360</b>	<b>...</b>	<b>6,153,836</b>

Table 11 - PRODUCTS MADE, 1932 and 1933.

Products	Unit of measure	1 9 3 2		1 9 3 3	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
White lead, dry .....	lb.	2,294,050	137,806	2,349,199	144,896
White lead, ground in oil .....	lb.	9,142,606	644,431	8,843,527	587,724
Colours, dry .....	lb.	3,104,519	320,085	3,404,198	352,129
Colours, ground in oil or japan.	Imp. gal.	1,256,131	253,921	1,242,446	242,224
Enamels, synthetic type .....	Imp. gal.	223,485	739,335	196,148	666,451
Enamels, other .....	Imp. gal.	358,838	1,027,882	327,043	946,984
Japans .....	Imp. gal.	131,708	153,280	95,239	94,055
Lacquers, nitrocellulose (pyroxylin) .....	Imp. gal.	427,064	1,115,629	407,448	1,091,007
Paints, cold water (muresco, alabastine, etc.) .....	lb.	...	528,594	7,034,119	444,062
Paints, asphaltic and tar .....	Imp. gal.	91,156	97,659	89,175	83,328
Paints, iron oxide .....	Imp. gal.	34,572	51,234	32,230	47,950
Paints, paste .....	lb.	3,050,728	341,977	3,256,900	312,571
Paints, ready mixed .....	Imp. gal.	2,191,313	5,198,521	2,324,747	5,567,427
Shellac .....	Imp. gal.	120,625	245,376	131,298	265,533
Stains (oil, spirit, varnish and creosote) .....	Imp. gal.	232,552	379,726	241,707	403,434
Varnishes, oil and spirit .....	Imp. gal.	1,253,737	2,095,327	1,260,132	2,068,835
Driers, linoleate and resinate .....	Imp. gal.	61,805	73,050	45,361	47,075
Fillers, paste and liquid .....	lb.	297,246	40,768	270,194	30,962
Floor wax, paste and liquid .....	lb.)	142,371	31,628	150,271	33,037
Floor polish, other than wax .....	lb.)	...	...	3,910	633
Oil, linseed, boiled .....	Imp. gal.	79,620	47,476	80,619	60,537
Oil, core and paint .....	Imp. gal.	121,010	83,328	98,484	60,292
Oils, stand, blown and enamel .....	Imp. gal.	12,096	10,909	52,880	53,695
Paint and varnish removers .....	Imp. gal.	40,869	85,719	46,291	88,400
Putty .....	lb.	4,118,698	146,358	4,221,630	181,343
Pyroxylin thinners .....	Imp. gal.	249,268	342,291	268,087	366,050
Size .....	lb.	244,141	27,136	63,830	7,640
All other products (x) .....	xx	...	642,387	...	648,369
<b>TOTAL .....</b>	<b>xx</b>	<b>...</b>	<b>14,912,333</b>	<b>...</b>	<b>14,896,693</b>

(x) Includes such products as red lead, litharge, synthetic gums, gold and aluminium paints, insulating waxes and compounds, paste, polishes, zinc oxide, textile oils, etc.

Table 12 - PRODUCTS MADE, BY PROVINCES, 1933.

Products	Unit of measure	NOVA SCOTIA, NEW BRUNSWICK AND QUEBEC		O N T A R I O		MANITOBA, SASKAT- CHEWAN, ALBERTA AND BRITISH COLUMBIA	
		Selling value		Selling value		Selling value	
		Quantity	at works	Quantity	at works	Quantity	at works
			\$		\$		\$
White lead, dry .....	lb.	2,349,199	144,896	...	...	...	...
White lead, ground in oil .....	lb.	8,739,121	577,485	26,664	2,224	77,742	8,015
Colours, dry .....	lb.	1,440,165	200,812	1,940,558	149,704	23,475	1,613
Colours, ground in oil or japan .....	Imp.gal.	452,275	87,971	573,615	129,296	211,556	24,957
Enamels, synthetic type .....	Imp.gal.	46,578	155,257	138,334	478,436	11,236	32,758
Enamels, other .....	Imp.gal.	115,506	387,609	204,881	539,838	6,656	19,537
Japans .....	Imp.gal.	16,526	18,285	71,872	68,565	6,891	7,205
Lacquers, nitrocellulose (pyroxylin) ..	Imp.gal.	156,374	320,766	244,475	755,548	6,599	14,693
Paints, cold water (muresco, alabastine, etc.) .....	lb.	946,790	101,956	5,431,329	313,436	656,000	28,670
Paints, asphaltic and tar .....	Imp.gal.	8,734	6,417	76,379	72,870	4,062	4,041
Paints, iron oxide .....	Imp.gal.	4,081	11,562	26,218	33,176	1,931	3,212
Paints, paste .....	lb.	1,537,694	134,326	1,149,669	123,001	569,537	55,244
Paints, ready mixed .....	Imp.gal.	1,034,841	2,403,594	908,008	2,204,207	381,898	959,626
Shellac .....	Imp.gal.	47,591	94,684	72,085	142,182	11,622	28,667
Stains (oil, spirit, varnish and creosote) .....	Imp.gal.	51,072	107,383	83,927	149,645	106,708	146,406
Varnishes, oil and spirit .....	Imp.gal.	475,759	928,196	693,796	944,006	90,627	196,683
Driers, linoleate and resinate .....	Imp.gal.	5,292	6,180	39,527	40,194	542	701
Fillers, paste and liquid .....	lb.	22,576	2,911	229,012	26,096	18,606	1,955
Floor wax, paste and liquid .....	lb.	9,019	2,110	108,499	24,041	32,753	6,886
Floor polish, other than wax .....	lb.	150	20	3,760	613	...	...
Oil, linseed, boiled .....	Imp.gal.	17,558	12,769	37,913	27,924	25,148	19,844
Oil, core and paint .....	Imp.gal.	90,834	56,161	7,650	4,131	...	...
Oils, stand, blown and enamel .....	Imp.gal.	...	...	49,685	51,753	3,195	1,942
Paint and varnish removers .....	Imp.gal.	27,901	51,194	16,607	33,539	1,783	3,667
Putty .....	lb.	2,318,492	99,364	1,181,488	45,748	721,700	36,231
Pyroxylin thinners .....	Imp.gal.	6,452	10,513	254,356	346,847	7,279	8,690
Size .....	lb.	17,272	3,976	12,930	2,648	33,628	1,016
All other products (x) .....	xx	...	346,849	...	282,360	...	19,160
TOTAL .....	xx	...	6,273,246	...	6,992,028	...	1,631,419

(x) Includes such products as red lead, litharge, synthetic gums, gold and aluminium paints, insulating waxes and compounds, paste, polishes, zinc oxide, textile oils, etc.

NOTE - In addition to the above production of paints, about 91,987 gallons of tar paints worth \$61,569 and 10,000 gallons of mixed paints at \$24,000 were reported in other industrial groups.



(Including any produced in other industries)

Years	Mixed paints ready for use		Cold water paints		Paste paints		Asphaltic and tar paints		Shellac	
	Imp. gal.	Selling value	Pounds	Selling value	Pounds	Selling value	Imp. gal.	Selling value	Imp. gal.	Selling value
		at works		at works		at works		at works		
1924 ..	2,389,109	6,903,201	6,926,580	486,094	5,383,839	824,200	...	...	130,654	532,449
1925 ..	2,639,839	7,303,436	8,072,445	571,577	6,153,135	690,861	452,972	359,565	159,313	525,283
1926 ..	3,038,575	8,200,312	9,377,015	677,967	7,184,240	782,843	285,479	241,671	171,808	542,529
1927 ..	3,229,755	8,759,987	8,545,881	623,147	7,214,537	774,970	580,425	448,808	177,128	546,051
1928 ..	3,482,665	9,033,579	11,061,709	733,951	8,746,347	898,870	458,864	312,992	193,421	589,662
1929 ..	4,034,701	9,798,759	10,013,687	653,915	7,870,996	867,172	463,228	375,227	216,470	642,379
1930 ..	3,633,862	9,461,464	8,211,145	538,508	6,273,829	662,947	287,475	250,110	207,457	532,916
1931 ..	3,059,124	7,624,352	8,715,672	598,384	4,523,313	476,805	...	193,776	162,685	363,493
1932 ..	2,200,313	5,218,521	8,567,866	528,594	3,050,728	341,977	217,230	158,662	120,625	245,376
1933 ..	2,334,747	5,591,427	7,034,119	444,062	3,256,900	312,571	181,162	144,897	131,298	265,533

Years	Varnishes		Enamels		Stains		L A C Q U E R S Nitrocellulose		Other	
	Imp. gal.	Selling value	Imp. gal.	Selling value	Imp. gal.	Selling value	Imp. gal.	Selling value	Imp. gal.	Selling value
		at works		at works		at works		at works		
1924 ..	...	4,351,956	...	1,018,891	...	673,871	Not separated	294,225	...	417,326
1925 ..	...	4,660,337	295,375	1,115,118	...	642,582	...	303,548	...	683,305
1926 ..	...	4,282,383	392,427	1,405,824	397,575	704,050	...	1,839,719	168,748	170,898
1927 ..	2,572,954	4,334,196	442,160	1,482,899	406,154	688,250	666,251	1,666,401	164,239	168,406
1928 ..	1,968,709	3,665,944	766,453	1,966,903	434,702	755,139	488,150	1,515,606	110,588	115,571
1929 ..	2,078,004	3,813,828	902,720	2,685,853	431,921	755,230	659,880	1,883,170	162,598	157,055
1930 ..	1,645,100	2,869,379	621,264	2,104,892	367,362	645,739	608,152	1,655,113	92,775	91,943
1931 ..	1,449,305	2,562,326	556,799	1,761,453	346,383	563,682	593,232	1,368,513	...	...
1932 ..	1,266,787	2,113,327	582,373	1,817,217	250,481	386,898	427,923	1,120,410	...	...
1933 ..	1,260,182	2,068,885	523,191	1,613,435	241,707	403,434	407,448	1,091,007	...	...

Table 13 - PRODUCTION OF CERTAIN PAINTS, VARNISHES, ETC., IN CANADA, 1924 - 1933.  
(concluded)

(Including any produced in other industries)

Years	Iron Oxide Paints		Japans		Colours in oil or japan	
	Imp. gal.	Selling value at works \$	Imp. gal.	Selling value at works \$	Pounds	Selling value at works \$
1924 .....					1,284,319	310,984
1925 .....	NOT		INCLUDED		...	388,435
1926 .....					...	470,565
1927 .....	SEPARATED		WITH		...	603,574
1928 .....					...	489,368
1929 .....	70,539	69,257	LACQUERS		2,141,883	472,275
1930 .....	68,849	57,194			1,922,162	439,939
1931 .....	69,934	93,281	118,961	166,072	1,563,401	302,219
1932 .....	34,572	51,284	131,708	153,280	1,256,131	253,921
1933 .....	32,230	47,950	95,289	94,055	1,242,446	242,224

Table 14 - IMPORTS INTO CANADA FOR CONSUMPTION OF PAINTS, PIGMENTS AND VARNISHES, 1933.

Items	Unit of measure	From UNITED KINGDOM	From UNITED STATES	From OTHER COUNTRIES	TOTAL
<u>Chemical Pigments, Lead -</u>					
Litharge .....	lb.	957,100	919,200	9,000	1,885,300
	\$	52,843	47,576	397	100,816
Lead, red, dry, and orange mineral.	lb.	467,035	137,001	7,660	611,696
	\$	23,992	8,281	323	32,596
Lead, white, dry .....	lb.	...	8,780	100	8,880
	\$	...	589	10	599
Lead, white, ground in oil .....	lb.	17,835	3,415	...	21,250
	\$	1,436	1,104	...	2,540
<u>Other Chemical Pigments -</u>					
Black, carbon .....	lb.	1,166	9,935,607	6,120	9,942,893
	\$	203	303,567	483	304,253
Blacks, lamp, bone and ivory .....	lb.	627,126	319,874	34,950	981,950
	\$	27,781	29,214	3,010	60,005
Blanc fixe .....	lb.	499,182	28,321	25,298	552,801
	\$	9,147	1,860	383	11,390
Brocade and bronze powders .....	lb.	11	25,980	13,429	39,420
	\$	10	13,682	5,865	19,557
Lithopone .....	lb.	6,097,550	1,695,983	3,593,876	11,387,409
	\$	204,307	80,139	122,152	406,598
Oxide of cobalt .....	lb.	100	352	312	764
	\$	142	190	269	601
Oxide of tin and copper .....	lb.	85,407	42,126	17,124	144,657
	\$	32,735	15,419	2,589	50,743
Oxides, fireproofs, rough stuff, fillers and colours, dry, n.o.p. .	lb.	958,083	3,689,071	334,320	4,981,474
	\$	126,849	406,685	40,073	573,607
Paris green, dry .....	lb.	126,187	19,550	52,100	197,837
	\$	22,634	3,792	6,959	33,385
Satin white .....	lb.	235,901	327,148	...	563,049
	\$	3,730	3,230	...	6,960



Table 14 - IMPORTS INTO CANADA FOR CONSUMPTION OF PAINTS, PIGMENTS AND VARNISHES, 1933.  
(concluded)

Items	Unit of measure	From UNITED KINGDOM	From UNITED STATES	From OTHER COUNTRIES	TOTAL
<u>Other Chemical Pigments (concluded) -</u>					
Ultramarine blue, dry or in pulp	lb.	254,935	83,506	22,943	361,384
	\$	29,629	12,164	3,591	45,384
Zinc white (zinc oxide)	lb.	8,685,800	548,684	630,213	9,864,697
	\$	362,265	38,063	27,873	428,201
<u>Mineral Earth Pigments -</u>					
Ochres, ochrey earths, siennas and umbers	lb.	200,701	1,093,207	861,307	2,155,215
	\$	5,873	17,026	12,696	35,595
Putty	lb.	11,540	43,746	421,630	476,916
	\$	270	2,981	5,842	9,093
Artists' paints, n.o.p., ground and liquid	\$	47,823	9,303	22,085	79,211
Gold liquid paint	\$	141	1,713	257	2,111
Liquid fillers, anti-corrosive and anti-fouling paints, and ground in liquid paints, n.o.p.	gal.	27,317	50,639	1,825	79,781
	\$	36,164	81,396	2,856	120,416
Paints and colours, ground in spirits, and all spirit varnishes and lacquers	gal.	583	12,069	871	13,523
	\$	1,615	36,676	2,674	40,965
Varnishes, lacquers, japans, japan driers, liquid driers, and oil finish, n.o.p.	gal.	10,327	56,115	516	66,958
	\$	17,534	96,435	1,531	115,500
<b>TOTAL PAINTS, PIGMENTS AND VARNISHES.</b>	<b>\$</b>	<b>1,007,123</b>	<b>1,211,085</b>	<b>261,918</b>	<b>2,480,126</b>

Table 15 - EXPORTS OF PAINTS, PIGMENTS AND VARNISHES FROM CANADA, 1933.

Items	Unit of measure	To UNITED KINGDOM	To UNITED STATES	To OTHER COUNTRIES	TOTAL
Mineral pigments, iron oxides, ochres, etc.	cwt.	1,742	12,505	11,503	25,750
	\$	6,536	20,969	45,634	73,139
White lead, dry or in oil	cwt.	...	...	340	340
	\$	...	...	2,277	2,277
Paints, n.o.p.	\$	134,579	6,709	144,665	285,953
Putty	cwt.	...	5	132	137
	\$	...	28	365	393
Varnish	gal.	4,379	18	11,226	15,623
	\$	8,168	47	13,391	21,606
<b>TOTAL</b>	<b>\$</b>	<b>149,283</b>	<b>27,753</b>	<b>206,332</b>	<b>383,368</b>

DIRECTORY OF FIRMS IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1933.

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>NOVA SCOTIA -</u>	
Brandram-Henderson, Limited	230 Kempt Rd., Halifax
<u>NEW BRUNSWICK -</u>	
Maritime Paint & Chemical Co. Ltd.	348 Main St., Moncton
<u>QUEBEC -</u>	
Army Navy Mfg. Products Reg'd.	910a St. George St., Montreal
Atlas Mfg. Co. Ltd.	6525 Waverly St., Montreal
Brandram-Henderson, Limited	6684 St. Urbain St., Montreal
Carter White Lead Co. of Canada, Ltd.	1295 Delorimier Ave., Montreal
Coatwell Paint & Varnish Co. Ltd.	147 Nazareth St., Montreal
Cowens Chemical Products	923 Bleury St., Montreal
Crown Diamond Paint Co. Limited, The	Bates Road, Outremont
Dominion Metal Co. Ltd.	108-110 Frontenac St., Sherbrooke
International Paints (Canada) Limited	6700 Park Ave. and 1725 Basin St., Montreal
Jamieson, Jas. W., & Co. Limited	2691 Charlemagne St., Montreal
Jamieson, R.C., & Co. Limited	2100 St. Patrick St., Montreal
McArthur, Irwin, Limited	11 Bates Road, Outremont
Martin-Senour Co. Limited, The	6833 De L'Epee Ave., Montreal
Mount Royal Color & Varnish Co. Ltd.	5669 Casgrain St., Montreal
Murphy Company Limited, The	2735 Manufacturers St., Montreal
Ramsay, A., and Son, Company	370 Inspector St., Montreal
Rock Paint & Varnish Ltd.	583 Inspecteur St., Montreal
Sherwin-Williams Co. of Canada, Limited, The	2875 Centre St. and 1957 Hunter St., Montreal
Steel Company of Canada, Ltd.	2320 Notre Dame St. W., Montreal
Thorp-Hambrook Co. Limited	2720 St. Patrick St., Montreal
Zinc Oxide Company of Canada, Limited	6890 Notre Dame St. E., Montreal
<u>ONTARIO -</u>	
Adams Paint Mfg. Company Ltd., The	Fort Erie North
Allen, Geo., Co.	159 Kendall Ave., Toronto
Arco Company Ltd.	Mount Dennis
Aulcraft Paints Ltd.	313 Symington Ave., Toronto
Berry Brothers	Walker Road, Walkerville
Boulton Paint Co. Ltd., The	167 King St. E., Toronto
Brooks Oil Co.	461 Cumberland Ave., Hamilton
Canada Varnish Co. Limited	53 Laird Drive, Leaside
Canadian Industries Limited	Perth and Kingsley Sts., Toronto
Claxton Mfg. Co.	102 Front St. E., Toronto
Continental Car-Na-Var Corporation	570 Queen St. E., Toronto
Cosmos Chemical Co. Ltd.	Cavan St., Port Hope
Glidden Co. Limited, The	380 Wallace Ave., Toronto
Gypsum, Lime & Alabastine, Canada, Limited	Willow St., Paris
Hamilton Paint & Varnish Works	67 Biggar Ave., Hamilton
Hannan Varnish Co. Limited	Glenmorris
Hippo-Weir Co. Ltd.	Spirea Ave., Long Branch
Imperial Varnish & Color Co. Limited	8 Morse St., Toronto
International Varnish Co. Limited	371 Carlaw Ave., Toronto
Irvington Varnish & Insulator Co. of Canada, Ltd.	Kenilworth Ave. N., Hamilton
Lowe Brothers Co. Ltd.	263 Sorauren Ave., Toronto
Marietta Co. of Canada, Ltd.	76 Baturst St., Toronto



DIRECTORY OF FIRMS IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1933.  
(concluded)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>ONTARIO - (concluded)</u>	
Masse Wood Finishing Products	367 Sorauren Ave., Toronto
Moore, Benjamin, & Co. Limited	Mulock and Lloyd Aves., Toronto
Morin, J. H., & Co. Limited	54 Colborne St., Toronto
Muirhead, A., Co. Limited	217 King St.E. and 196 Eastern Ave., Toronto
Northern Paint & Varnish Co. Ltd.	14th St. W., Owen Sound
Northern Pigment Company Ltd.	22nd St., New Toronto
Ottawa Paint Works Limited	687 Wellington St., Ottawa
Ontario Paint and Varnish Co. Limited, The	268 Pape Ave., Toronto
Penfound Varnish Co. Ltd.	39 Langford Ave., Toronto
Pratt & Lambert, Inc.	54 Courtwright St., Fort Erie
Scarfe & Co. Limited	35 Greenwich St., Brantford
Sinclair, Malcolm, Co. Ltd.	Dundas St., Oakville
Smyth, John, Mfg. Co.	Mt. Pleasant
Standard Paint & Varnish Co. Limited	Wyandotte St. and C.P.R., Windsor
Sturgeons Limited	330 Carlaw Ave., Toronto
Toronto Putty Co.	142 Davenport Rd., Toronto
Trelco Limited	6 Alcina Ave., Toronto
Treuhaft Manufacturing Limited	Leaside
Watts Chemical Co.	355 Weston Road S., Toronto
Weir, James, Co. Ltd.	Spirea Ave., Long Branch
<u>MANITOBA -</u>	
International Laboratories Ltd.	490 Des Meurons, St. Boniface
Northern Paint Co. Ltd.	394 Gertrude Ave., Winnipeg
Sherwin-Williams Co. of Canada, Ltd.	110 Sutherland Ave., Winnipeg
Stephens, G.F., & Co. Ltd.	176 Market Ave. E., Winnipeg
<u>SASKATCHEWAN -</u>	
Beaver Paint Manufacturing Co. Ltd.	1727 St. John St., Regina
Canadian Industries Limited	Lorne and Fifth Ave., Regina
<u>ALBERTA -</u>	
Herbert Paint & Varnish Co. Ltd.	9th Ave. and 3rd St. W., Calgary
<u>BRITISH COLUMBIA -</u>	
Brandram-Henderson of B.C. Ltd.	Granville Island, Vancouver
British America Paint Co. Ltd.	680 Montreal St., Victoria
Darling, Henry, & Son, Ltd.	28 Powell St., Vancouver
General Paint Corporation of Canada, Ltd.	950 Raymur St., Vancouver
Harte-Andrews Paints Ltd.	1302 Wharf St., Victoria
Martin-Senour Co. Ltd.	1505 Powell St., Vancouver
North West Products	1146 Union St., Vancouver
Staneland Co. Ltd.	Eay St., Victoria
Waterproofing Products Co.	4254 Kingsway, Vancouver

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