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**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**

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**THE PAINTS, PIGMENTS & VARNISHES INDUSTRY**  
**IN**  
**CANADA**  
**1934**

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OTTAWA  
1935



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

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

THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY, 1934.

Paint, pigment and varnish manufacturers reported a considerable improvement in business during 1934 when the factory value of their production reached a total of \$18,618,371 compared with \$14,896,693 in 1933, \$14,912,383 in 1932 and \$18,536,463 in 1931.

Production in 1934 included 2,874,787 gallons of ready mixed paints at \$6,942,403; 1,487,068 gallons of varnishes at \$2,272,217; 761,879 gallons of enamels at \$2,362,836; 541,567 gallons of lacquers at \$1,488,205; 439,089 gallons of pyroxylin thinners at \$582,439; 7,607,838 pounds of cold water paints at \$460,523; 3,767,912 pounds of paste paints at \$373,330; 282,084 gallons of stains at \$413,380; 141,609 gallons of shellac at \$304,411; 1,365,682 pounds of colours in oil or japan at \$286,753; 109,481 gallons of japans at \$107,218; 129,829 gallons of asphaltic and tar paints at \$122,308; 43,342 gallons of iron oxide paints at \$58,117; 1,287 tons of dry white lead at \$158,124; 4,709 tons of white lead in oil at \$623,027; 2,450 tons of dry colours at \$519,618; 2,496 tons of putty at \$184,161, and numerous other items of less importance.

Imports, chiefly pigments for the manufacture of paints, also increased in value during 1934, the value being \$3,292,956 as against \$2,480,126 in 1933. The more important items were: carbon black, 5,786 tons at \$530,355; zinc oxide, 5,877 tons at \$520,911; lithopone, 7,265 tons at \$510,558; antimony oxide and titanium oxide, 492 tons at \$131,005; bone, ivory and lamp black, 686 tons at \$76,610; litharge, 845 tons at \$91,975, and ultramarine blue, 235 tons at \$58,558. The imports of prepared paints, lacquers and varnishes were approximately 216,880 gallons valued at \$369,374.

Exports, consisting chiefly of paints and varnishes, were valued at \$599,907, an advance of 58 per cent from the total of \$380,468 in 1933.

Reports were received from 79 factories in this industry in 1934; 40 were in Ontario, 22 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 50 per cent of the total output and establishments in Quebec accounted for 38 per cent.

Capital employed in 1934 was reported at \$22,816,098 or almost 2 per cent higher than in 1933. The value of lands, buildings, machinery and other plant equipment was given at \$11,488,501, inventories were worth \$5,725,694 and operating capital totalled \$5,601,903. Forty-six per cent of the investment was for plants in Quebec and 34 per cent for works in Ontario.

The average number of employees in 1934 was 2,859 compared with 2,540 in the previous year; 1,320 persons worked in factories in Ontario, 1,105 in Quebec, 195 in Manitoba, 155 in British Columbia, and 84 in other provinces. Salaries paid to the 1,193 salaried workers amounted to \$2,252,291 and wage payments to the 1,666 wage-earners totalled \$1,573,247. The total payments for salaries and wages were 10 per cent greater than in 1933.

Materials for manufacturing in 1934 cost \$7,949,941 delivered at the works. Quantities and costs of the principal materials are detailed in Table 10.

Production figures in detail are given in Tables 11 and 12 and comparative data for earlier years are shown in Table 13 for the principal items and in Tables 1 and 2 for the total value.

Only two companies operated lead corroding plants in 1934, namely, The Carter White Lead Company of Canada, Limited, and McArthur, Irwin Limited, both of Montreal. The first mentioned company, in addition to dry white lead and white lead in oil, also manufactured litharge and red lead.

Zinc oxide was manufactured by two companies as follows: The Zinc Oxide Company of Canada, Ltd., at Montreal, and Watts Chemical Company at Toronto.

Table 1 - PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF PAINTS, PIGMENTS AND VARNISHES, 1926 - 1934.

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	308,469
1932 .....	14,912,383	2,765,137	374,274
1933 .....	14,896,693	2,480,126	380,468
1934 .....	18,618,371	3,292,956	599,907

Table 2 - PRINCIPAL STATISTICS, 1922 - 1934.

Years	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
		\$		\$	\$	\$	\$
1922 .....	55	21,075,706	2,452	3,421,216	9,790,605	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	20,587,856	2,287	3,044,228	9,778,525	18,187,681	8,409,156
1925 .....	62	21,460,451	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	10,500,611
1932 .....	71	23,978,252	2,658	3,858,813	6,295,860	14,912,383	8,566,523
1933 .....	78	22,438,251	2,540	3,464,947	6,153,856	14,896,693	8,742,857
1934 .....	79	22,816,098	2,859	3,825,538	7,949,941	18,618,371	10,668,430

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1933 and 1934.

Provinces	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				
		\$		\$	\$	\$	\$
<b>1933</b>							
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)						
<b>CANADA .....</b>	<b>78</b>	<b>22,438,251</b>	<b>2,540</b>	<b>3,464,947</b>	<b>6,153,836</b>	<b>14,896,693</b>	<b>8,742,857</b>
<b>1934</b>							
Quebec .....	22	10,586,845	1,105	1,558,070	3,050,651	7,089,881	4,039,230
Ontario .....	40	7,783,518	1,320	1,800,173	3,750,704	9,315,679	5,564,975
Manitoba .....	4	1,865,336	195	196,957	509,687	966,275	456,588
British Columbia	8	1,521,604	155	179,944	432,691	894,693	462,002
Nova Scotia ....	1)						
New Brunswick ..	1)						
Saskatchewan ...	2)	1,058,795	84	90,394	206,208	351,843	143,635
Alberta .....	1)						
<b>CANADA .....</b>	<b>79</b>	<b>22,816,098</b>	<b>2,859</b>	<b>3,825,538</b>	<b>7,949,941</b>	<b>18,618,371</b>	<b>10,668,430</b>

Table 4 - CAPITAL EMPLOYED, BY CLASSES AND BY PROVINCES, 1933 and 1934.

Provinces	Inventory value		Operating capital		TOTAL CAPITAL EMPLOYED
	Present value of lands, buildings, machinery, tools and equipment	of materials on hand, stocks in process, and other miscellaneous supplies on hand	Inventory value of finished products on hand	(cash, bills and accounts receivable, prepaid expenses, etc.)	
		\$	\$	\$	\$
<b>1933</b>					
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
<b>CANADA .....</b>	<b>11,713,538</b>	<b>2,650,408</b>	<b>2,783,611</b>	<b>5,290,694</b>	<b>22,438,251</b>
<b>1934</b>					
Quebec .....	5,642,860	1,183,021	1,123,095	2,637,869	10,586,845
Ontario .....	3,583,985	1,034,977	1,149,433	2,015,123	7,783,518
Manitoba .....	898,358	306,565	241,199	419,214	1,865,336
British Columbia	688,747	181,054	283,312	368,491	1,521,604
Other provinces .	674,551	91,458	131,580	161,206	1,058,795
<b>CANADA .....</b>	<b>11,488,501</b>	<b>2,797,075</b>	<b>2,928,619</b>	<b>5,601,903</b>	<b>22,816,098</b>

Table 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1934.

	Number of plants		Capital employed	Number of employees	Selling value of products at works
			\$		\$
<b>(a) PRODUCTION</b>					
Under \$5,000 .....	10		120,641	23	31,945
\$5,000 to \$10,000 .....	3		25,771	16	20,306
\$10,001 to \$25,000 .....	10		465,305	50	184,071
\$25,001 to \$50,000 .....	10		477,459	74	360,384
\$50,001 to \$100,000 .....	11		1,268,493	163	715,250
\$100,001 to \$250,000 .....	14		2,485,805	382	2,218,706
\$250,001 to \$500,000 .....	9		4,462,596	585	3,239,207
Over \$500,000 .....	12		13,510,028	1,566	11,848,502
TOTAL .....	79		22,816,098	2,859	18,618,371
<b>(b) NUMBER OF EMPLOYEES</b>					
1 or 2 .....	9		97,908	14	46,139
3 to 10 .....	26		1,128,852	160	725,798
11 to 20 .....	13		1,714,019	208	1,196,627
21 to 50 .....	11		2,322,995	357	2,074,362
51 to 100 .....	13		8,015,715	956	6,519,587
101 to 500 .....	7		9,536,609	1,164	8,055,858
TOTAL .....	79		22,816,098	2,859	18,618,371
<b>(c) CAPITAL EMPLOYED</b>					
Under \$25,000 .....	25		308,006	103	379,578
\$25,000 to \$100,000 .....	17		1,132,267	221	1,145,867
\$100,001 to \$500,000 .....	24		6,255,205	976	6,046,284
\$500,001 to \$1,000,000 ..	6		4,284,851	571	4,596,551
Over \$1,000,000 .....	7		10,835,769	988	6,450,091
TOTAL .....	79		22,816,098	2,859	18,618,371

Table 6 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1933 and 1934.

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries	Wages	TOTAL SALARIES AND WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
<b>1933</b>								
Quebec .....	321	101	506	53	981	842,028	562,498	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	81,786	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
<b>1934</b>								
Quebec .....	343	104	602	56	1,105	908,792	649,278	1,558,070
Ontario .....	465	128	662	65	1,320	1,113,808	686,365	1,800,173
Manitoba .....	49	9	119	18	195	89,017	107,940	196,957
British Columbia ..	40	13	91	11	155	84,523	95,421	179,944
Other provinces ..	35	7	39	3	84	56,151	34,243	90,394
CANADA .....	932	261	1,513	153	2,859	2,252,291	1,573,247	3,825,538

Table 7 - WAGE-EARNERS, BY MONTHS, 1933 and 1934.

Months	1933			1934		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	1,157	130	1,287	1,362	144	1,506
February .....	1,150	131	1,281	1,392	146	1,538
March .....	1,227	142	1,369	1,464	154	1,618
April .....	1,306	150	1,456	1,532	171	1,703
May .....	1,358	161	1,519	1,686	185	1,871
June .....	1,368	156	1,524	1,654	174	1,828
July .....	1,318	143	1,461	1,539	150	1,689
August .....	1,265	134	1,399	1,495	142	1,637
September .....	1,282	125	1,407	1,496	133	1,629
October .....	1,277	123	1,400	1,509	144	1,653
November .....	1,310	121	1,431	1,492	146	1,638
December .....	1,275	127	1,402	1,434	140	1,574
AVERAGE .....	1,273	136	1,409	1,513	153	1,666

Table 8 - FUEL AND ELECTRICITY USED, BY KINDS, 1933 and 1934.

Kinds	Unit of measure	1933		1934	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian ..	short ton	7,323	44,103	8,669	52,453
Imported ..	short ton	8,746	54,169	9,329	58,857
Anthracite coal .....	short ton	906	4,342	1,031	4,837
Lignite coal - Canadian .....	short ton	...	...	3	16
Coke .....	short ton	1,301	12,413	1,568	15,210
Gasoline .....	Imp. gal.	...	...	20	7
Kerosene or coal oil .....	Imp. gal.	1,005	173	3,356	584
Fuel oil .....	Imp. gal.	334,581	22,907	324,058	23,117
Wood .....	cord	731	2,905	182	730
Gas - Manufactured .....	M cu.ft.	694	612	777	660
Natural .....	M cu.ft.	475	301	541	367
Other fuel .....	xx	...	3,178	...	5,505
Electricity purchased .....	K.W.H.	6,373,397	101,964	7,562,519	112,224
TOTAL .....	xx	...	247,067	...	274,567

Table 9 - POWER EQUIPMENT, 1933 and 1934.

Kinds	1933		1934	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines .....	16	764	16	791
Gasoline, gas and oil engines .....	1	9	1	9
Hydraulic turbines or water wheels ..	1	90	...	...
Total Primary Equipment .....	18	863	17	800
Electric motors run by purchased power .....	791	6,437	885	6,648
TOTAL .....	809	7,300	902	7,448
Total Electric Motors .....	791	6,437	885	6,648
Boilers .....	50	3,513	52	3,515

Table 10 - MATERIALS USED, 1933 and 1934.

Materials	Unit of measure	1 9 3 3		1 9 3 4	
		Quantity	Cost at works \$	Quantity	Cost at works \$
<u>Pigments, colours and fillers -</u>					
Pig lead .....	lb.	10,771,975	391,381	12,569,302	439,331
Basic carbonate white lead, dry	lb.	2,266,174	156,198	2,595,179	178,914
Basic carbonate white lead, in oil .....	lb.	836,126	60,535	1,216,995	88,059
Basic sulphate white lead .....	lb.	110,768	13,186	111,069	13,718
Red lead .....	lb.	562,929	34,992	561,358	36,631
Litharge .....	lb.	812,471	43,076	923,612	52,358
Zinc and zinc ore .....	lb.	1,003,896	32,679	1,762,565	56,978
Zinc oxide, pure .....	lb.	1,931,942	108,470	2,438,544	141,793
Leaded zinc oxides and zinc leads	lb.	1,298,508	64,997	2,130,219	79,223
Lithopone .....	lb.	7,858,659	322,796	9,558,309	392,911
Titanium white .....	lb.	1,071,249	129,012	1,710,188	186,678
Nitrocellulose .....	lb.	466,149	104,064	746,466	149,751
Blanc fixe .....	lb.	47,793	1,471	93,918	2,481
Barytes .....	lb.	2,062,957	33,578	2,393,330	44,690
Satin white .....	lb.	136,891	1,499	974,425	7,432
Whiting or chalk .....	lb.	9,296,928	79,279	10,863,709	95,556
Asbestine .....	lb.	2,758,551	34,597	3,352,426	40,926
Kaolin or china clay .....	lb.	2,653,325	15,860	2,051,454	19,085
Silica, silex or infusorial earth .....	lb.	819,090	12,970	966,272	22,613
Iron oxide pigments .....	lb.	1,008,181	43,826	1,159,535	53,539
Ochres, siennas and umbers .....	lb.	981,554	43,671	1,088,434	53,236
Coal tar lakes (all colours) .....	lb.	75,777	45,847	103,292	70,270
Ultramarine blue .....	lb.	96,859	14,806	110,616	19,354
Prussian blue .....	lb.	39,296	15,540	55,494	22,658
Graphite .....	lb.	93,740	3,706	110,582	4,643
Lampblack, and other carbon blacks .....	lb.	234,063	28,351	321,974	39,225
Chrome colours .....	lb.	764,682	109,595	1,008,063	147,598
Sodium bichromate .....	lb.	359,787	34,200	434,786	33,205
Sodium prussiate, yellow .....	lb.	164,752	22,003	244,480	28,277
Other dry colours .....	lb.	832,034	99,592	603,252	119,719
All other pigments, fillers and colours .....	lb.	954,919	90,787	2,150,679	182,185
<u>Driers -</u>					
Manganese salts .....	lb.	34,038	3,379	49,543	4,529
Cobalt salts .....	lb.	10,885	7,463	69,063	25,072
Resins .....	lb.	3,437,400	149,241	3,577,308	166,499
Glue .....	lb.	353,465	70,711	374,892	73,127
Gums .....	lb.	1,702,552	186,651	2,027,196	207,915
Shellac .....	lb.	269,030	51,492	341,570	99,506
Waxes .....	lb.	141,240	12,147	161,445	16,741
Linoleate driers .....	gal.	5,379	4,929	5,116	4,357
Resinate driers .....	gal.	24,991	10,952	25,067	10,387
All other driers .....	lb.	224,682	17,131	321,544	31,291



Table 10 - MATERIALS USED, 1933 and 1934 (concluded)

Materials	Unit of measure	1 9 3 3		1 9 3 4	
		Quantity	Cost at works \$	Quantity	Cost at works \$
<u>Oils and Solvents -</u>					
Linseed oil, raw .....	gal.	779,186	424,473	951,178	652,122
Linseed oil, boiled and treated .....	gal.	392,842	237,110	423,237	306,952
China wood oil (tung oil) .....	gal.	356,216	226,399	437,657	332,090
Soya bean oil .....	gal.	18,486	10,320	31,882	20,409
Other oils .....	gal.	184,169	96,876	242,254	146,060
Fish oils .....	gal.	46,753	14,796	54,908	19,400
Perilla oil .....	gal.	2,774	2,583	4,726	5,252
Turpentine .....	gal.	323,792	202,370	323,588	206,795
Petroleum distillates .....	gal.	1,755,808	278,914	1,819,343	380,446
Acetone .....	lb.	172,599	17,898	234,020	27,208
Acetic acid .....	lb.	278,452	22,134	272,682	19,761
Amyl alcohol .....	gal.	18,620	23,630	31,957	35,324
Amyl acetate .....	gal.	13,431	19,571	24,297	37,190
Butyl alcohol .....	gal.	10,523	14,945	20,235	20,743
Butyl acetate .....	gal.	85,406	113,855	134,937	151,155
Denatured alcohol .....	gal.	141,870	93,761	216,813	129,085
Ethyl alcohol .....	gal.	11,381	6,898	167	182
Ethyl acetate .....	gal.	98,833	108,837	147,277	147,493
Methyl hydrate (wood alcohol) ..	gal.	20,763	14,713	13,637	9,604
Creosote .....	gal.	38,056	12,022	37,917	12,086
Benzol .....	gal.	70,477	32,266	79,538	32,207
Coal tar pitch .....	lb.	535,086	10,298	229,591	16,073
Asphalt and asphaltum .....	lb.	1,284,280	29,759	942,360	27,346
Toluol .....	gal.	186,108	102,303	296,447	141,119
Xylol .....	gal.	78,317	39,573	58,025	25,681
Varnishes .....	gal.	156,393	123,935	172,340	119,928
Cans, cases, barrels, labels, etc. ....	xx	...	841,646	...	1,011,205
All other materials .....	xx	...	327,291	...	454,564
<b>TOTAL .....</b>	<b>xx</b>	<b>...</b>	<b>6,153,836</b>	<b>...</b>	<b>7,949,941</b>

Table 11 - PRODUCTS MADE, 1933 and 1934.

Products	Unit of measure	1 9 3 3		1 9 3 4	
		Quantity	Selling value at works	Quantity	Selling value at works
White lead, dry .....	lb.	2,349,199	144,896	2,574,464	158,124
White lead, ground in oil .....	lb.	8,843,527	587,724	9,417,200	623,027
Colours, dry .....	lb.	3,404,198	352,129	4,899,916	519,618
Colours, ground in oil or japan ...	lb.	1,242,446	242,224	1,365,682	286,753
Enamels, synthetic type .....	Imp. gal.	196,148	666,451	267,915	868,273
Enamels, other .....	Imp. gal.	327,043	946,984	493,964	1,494,563
Japans .....	Imp. gal.	95,289	94,055	109,481	107,218
Lacquers, nitrocellulose (pyroxylin) .....	Imp. gal.	407,448	1,091,007	541,567	1,488,205
Paints, cold water (muresco, alabastine, etc.) .....	lb.	7,034,119	444,062	7,607,838	460,523
Paints, asphaltic and tar ....	Imp. gal.	89,175	83,328	129,829	122,308
Paints, iron oxide .....	Imp. gal.	32,230	47,950	43,342	58,117
Paints, paste .....	lb.	3,256,900	312,571	3,767,912	373,330
Paints, ready mixed .....	Imp. gal.	2,324,747	5,567,427	2,874,787	6,942,403
Shellac .....	Imp. gal.	131,298	265,533	141,609	304,411
Stains (oil, spirit, varnish and creosote) .....	Imp. gal.	241,707	403,434	282,084	413,380
Varnishes, oil and spirit ....	Imp. gal.	1,260,182	2,068,885	1,487,068	2,272,217
Driers, linoleate and resinate .....	Imp. gal.	45,361	47,075	45,319	46,328
Fillers, paste and liquid .....	lb.	270,194	30,962	309,489	39,852
Floor wax, paste and liquid .....	lb.	150,271	33,037	189,908	42,431
Floor polish, other than wax .....	lb.	3,910	633	3,010	500
Oil, linseed, boiled .....	Imp. gal.	80,619	60,537	72,154	59,746
Oil, core and paint .....	Imp. gal.	98,484	60,292	80,311	59,135
Oils, stand, blown and enamel .....	Imp. gal.	52,880	53,695	20,019	14,876
Paint and varnish removers ...	Imp. gal.	46,291	88,400	59,314	112,038
Putty .....	lb.	4,221,680	181,343	4,992,713	184,161
Pyroxylin thinners .....	Imp. gal.	268,087	366,050	439,089	582,439
Size .....	lb.	63,830	7,640	53,579	10,299
All other products (x) .....	xx	...	648,369	...	974,096
<b>TOTAL .....</b>	<b>xx</b>	<b>...</b>	<b>14,896,693</b>	<b>...</b>	<b>18,618,371</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., which were reported by only 1 or 2 concerns in this group.

NOVA SCOTIA,  
NEW BRUNSWICK  
AND QUEBEC

## O N T A R I O

MANITOBA, SASKAT-  
CHEWAN, ALBERTA AND  
BRITISH COLUMBIA

## Products

Products	Unit of measure	Selling value		Selling value		Selling value	
		Quantity	at works	Quantity	at works	Quantity	at works
White lead, dry .....	lb.	2,574,464	158,124	...	...	...	...
White lead, ground in oil .....	lb.	9,273,021	608,491	51,483	4,705	92,696	9,831
Colours, dry .....	lb.	1,917,172	284,272	2,956,994	233,611	25,750	1,735
Colours, ground in oil or japan .....	lb.	500,365	113,601	667,200	146,689	198,117	26,463
Enamels, synthetic type .....	Imp. gal.	40,702	116,813	213,555	715,851	13,658	35,609
Enamels, other .....	Imp. gal.	198,164	713,815	286,370	757,908	9,430	22,840
Japans .....	Imp. gal.	14,757	16,809	86,625	82,685	8,099	7,724
Lacquers, nitrocellulose(pyroxylin) .....	Imp. gal.	209,807	422,504	322,849	1,045,810	8,911	19,891
Paints, cold water (muresco, alabastine, etc.) .....	lb.	1,067,711	74,987	5,787,727	353,178	752,400	32,358
Paints, asphaltic and tar .....	Imp. gal.	12,771	8,584	111,904	108,593	5,154	5,131
Paints, iron oxide .....	Imp. gal.	...	...	39,828	39,755	12,514	18,362
Paints, paste .....	lb.	1,808,765	168,158	1,336,510	145,495	622,637	59,677
Paints, ready mixed .....	Imp. gal.	1,216,163	2,888,974	1,177,311	2,911,759	481,313	1,141,670
Shellac .....	Imp. gal.	48,850	102,065	77,613	165,260	15,146	37,038
Stains (oil, spirit, varnish and creosote) .....	Imp. gal.	51,222	98,761	105,956	153,037	124,906	161,582
Varnishes, oil and spirit .....	Imp. gal.	528,508	906,434	843,498	1,138,999	115,062	226,784
Driers, linoleate and resinate ..	Imp. gal.	3,994	4,160	39,104	40,166	2,221	2,002
Fillers, paste and liquid .....	lb.	18,270	3,053	267,922	34,454	23,297	2,345
Floor wax, paste and liquid .....	lb.	6,977	1,789	138,384	31,305	44,547	9,337
Floor polish, other than wax .....	lb.	170	23	2,840	477	...	...
Oil, linseed, boiled .....	Imp. gal.	...	...	43,013	33,247	29,141	26,499
Oil, core and paint .....	Imp. gal.	64,561	50,157	15,750	8,978	...	...
Oils, stand, blown and enamel ...	Imp. gal.	...	...	20,019	14,876	...	...
Paint and varnish removers .....	Imp. gal.	35,267	62,173	21,629	44,849	2,418	5,016
Putty .....	lb.	2,798,641	84,016	1,340,246	57,502	853,826	42,643
Pyroxylin thinners .....	Imp. gal.	9,232	13,586	420,410	557,682	9,447	11,171
Size .....	lb.	19,503	4,246	11,801	5,278	22,275	775
All other products (x) .....	xx	...	477,542	...	483,530	...	13,024
<b>TOTAL .....</b>	<b>xx</b>	<b>...</b>	<b>7,383,137</b>	<b>...</b>	<b>9,315,679</b>	<b>...</b>	<b>1,919,555</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 13 - PRODUCTION OF CERTAIN PAINTS, VARNISHES, ETC., IN CANADA, 1924 - 1934.  
(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 at works	Pounds	Selling value at works	Pounds	Selling value at works	Imp. gal.	Selling value at works	Imp. gal.	Selling value at works	
											\$
1924 .....	2,389,109	6,903,201	6,926,580	486,094	5,383,839	824,200	...	...	150,654	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	9,877,015	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	
1934 .....	2,874,787	6,942,403	7,607,838	460,523	3,767,912	373,330	129,829	122,308	141,609	304,411	

Years	VARNISHES		ENAMELS		STAINS		L A C Q U E R S			
	Imp. gal.	Selling value at works	Imp. gal.	Selling value at works	Imp. gal.	Selling value at works	Nitrocellulose		Other	
							Imp. gal.	Selling value at works	Imp. gal.	Selling value at works
1924 .....	...	4,351,956	...	1,018,891	...	673,871	Not		294,225	417,326
1925 .....	...	4,660,337	295,375	1,115,118	...	642,582	separated		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	...	...
1934 .....	1,487,068	2,272,217	761,879	2,362,836	282,084	413,380	541,567	1,488,205	...	...

Table 13 - PRODUCTION OF CERTAIN PAINTS, VARNISHES, ETC., in CANADA, 1924 - 1934.

(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 .....	N O T		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	166,073	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
1934 .....	43,342	58,117	109,481	107,218	1,365,682	286,753

Table 14 - IMPORTS INTO CANADA FOR CONSUMPTION OF PAINTS, PIGMENTS AND VARNISHES, 1934.

Items	Unit of measure	From UNITED KINGDOM	From UNITED STATES	From OTHER COUNTRIES	TOTAL
<u>Chemical Pigments, Lead -</u>					
Litharge .....	lb.	985,700	703,400	...	1,689,100
	\$	56,099	35,876	...	91,975
Lead, red, dry, and orange mineral .....	lb.	444,978	99,619	...	544,597
	\$	24,953	7,444	...	32,397
Lead, white, dry .....	lb.	...	152,409	...	152,409
	\$	...	9,827	...	9,827
Lead, white, ground in oil .....	lb.	12,783	3,475	...	16,258
	\$	985	721	...	1,706
Antimony oxide and titanium oxide (From April 1, 1934) .....	lb.	165,581	787,958	50,000	983,539
	\$	26,528	98,194	6,283	131,005
<u>Other Chemical Pigments -</u>					
Black, carbon .....	lb.	15	11,571,421	100	11,571,536
	\$	2	530,348	5	530,355
Blacks, lamp, bone and ivory .....	lb.	759,212	563,300	50,388	1,372,900
	\$	29,662	43,207	3,741	76,610
Blanc fixe .....	lb.	564,714	135,247	268,240	968,201
	\$	11,953	5,023	4,662	21,638
Brocade and bronze powders .....	lb.	117	29,884	6,404	36,405
	\$	72	16,038	2,931	19,041
Lithopone .....	lb.	6,227,543	3,405,914	4,897,155	14,530,612
	\$	214,871	139,231	156,456	510,558
Oxide of cobalt .....	lb.	100	262	...	362
	\$	117	144	...	261
Oxide of tin and copper .....	lb.	120,308	77,954	9,507	207,769
	\$	51,658	33,387	1,331	86,376
Oxides, fireproofs, rough stuff, fillers and colours, dry, n.o.p..	lb.	1,171,439	4,345,815	742,051	6,259,305
	\$	163,147	453,124	37,556	653,827

Table 14 - IMPORTS INTO CANADA FOR CONSUMPTION OF PAINTS, PIGMENTS AND VARNISHES, 1934.  
(concluded)

Items	Unit of measure	From UNITED KINGDOM	From UNITED STATES	From OTHER COUNTRIES	TOTAL
<u>Other Chemical Pigments - concluded</u>					
Paris green, dry .....	lb.	87,481	60,000	12,540	160,021
	\$	14,881	8,342	1,924	25,147
Satin white .....	lb.	130,324	525,582	...	655,906
	\$	2,166	5,543	...	7,709
Ultramarine blue, dry or in pulp .....	lb.	329,540	106,056	34,016	469,612
	\$	38,949	15,458	4,151	58,558
Zinc white (zinc oxide) .....	lb.	9,908,021	1,251,705	594,364	11,754,090
	\$	404,607	84,824	31,480	520,911
<u>Mineral Earth Pigments -</u>					
Ochres, ochrey earths, siennas and umbers .....	lb.	277,796	1,185,976	592,952	2,056,724
	\$	7,199	20,965	11,216	39,380
Putty .....	lb.	19,030	55,785	228,673	303,488
	\$	955	3,232	2,861	7,048
Artists' paints, n.o.p., ground and liquid .....	\$	60,075	11,065	13,128	84,268
Gold liquid paint .....	\$	152	1,787	502	2,441
Liquid fillers, anti-corrosive and anti-fouling paints, and ground in liquid paints, n.o.p. gal.	gal.	25,171	94,216	1,492	120,879
	\$	33,501	144,584	2,967	180,852
Paints and colours, ground in spirits, and all spirit varnishes and lacquers .....	gal.	655	14,924	1,027	16,606
	\$	3,496	43,882	3,688	51,066
Varnishes, lacquers, japans, japan driers, liquid driers, and oil finish, n.o.p. ....	gal.	11,861	65,728	1,807	79,396
	\$	22,263	110,132	5,061	137,456
Stains and oxides, valued at not less than 20 cents per pound for use exclusively as colouring con- stituents in the manufacture of vitreous enamels and pottery glazes; and liquid gold paint for use exclusively in the manufacture of tableware of china, porcelain or semi-porcelain (from April 18, 1934) .....	lb.	10,717	1,745	...	12,462
	\$	7,390	5,154	...	12,544
<b>TOTAL PAINTS, PIGMENTS AND VARNISHES .....</b>	<b>\$</b>	<b>1,175,481</b>	<b>1,827,532</b>	<b>289,943</b>	<b>3,292,956</b>

Table 15 - EXPORTS OF PAINTS, PIGMENTS AND VARNISHES FROM CANADA, 1934.

Items	Unit of measure	To	To	To	TOTAL
		UNITED KINGDOM	UNITED STATES	OTHER COUNTRIES	
Mineral pigments, iron oxides, ochres, etc. ....	cwt.	3,308	14,332	14,718	32,358
	\$	12,353	26,321	57,457	96,131
White lead, dry or in oil .....	cwt.	1,139	...	531	1,670
	\$	6,098	...	3,465	9,563
Paints, n.o.p. ....	\$	231,347	2,799	233,414	467,560
Putty .....	cwt.	62	3	336	401
	\$	504	15	1,000	1,519
Varnish .....	gal.	4,181	416	14,090	18,687
	\$	7,370	686	17,078	25,134
TOTAL .....	\$	257,672	29,821	312,414	599,907

Table 16 - INDEX NUMBERS OF WHOLESALE PRICES FOR PAINT MATERIALS, 1933 and 1934.

	Unit	1933		1934	
		Average price	Relative price (1926 = 100)	Average price	Relative price (1926 = 100)
Shellac .....	pound	.137	37.1	.243	65.9
White lead, basic carbonate .....	100 pounds	8.410	75.1	7.800	69.6
Zinc oxide .....	100 pounds	6.304	91.2	6.249	90.4
Red lead, 85 per cent .....	100 pounds	6.500	63.5	6.750	65.9
Lithopone .....	100 pounds	4.933	94.0	4.456	84.9
Litharge .....	pound	.057	45.6	0.580	46.4
Lamp black, pure, dry .....	pound	.103	73.6	.105	75.0
Carbon black .....	pound	.071	60.4	.080	68.1
Putty, pure linseed oil .....	100 pounds	3.200	69.8	3.075	64.1
Index Paint Materials .....		...	68.6	...	70.0

Prepared paints -

Paint, pure white, first quality.	Imp.gal.	No data	3.55	77.8
Paint, coloured .....	Imp.gal.	No data	3.35	79.5
Index prepared paints .....			...	78.6

DIRECTORY OF FIRMS IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1934.Names of FirmsLocation of PlantsNOVA SCOTIA -

Brandram-Henderson, Limited

230 Kempt Rd., Halifax

NEW BRUNSWICK -

Maritime Paint &amp; Chemical Co. Ltd.

348 Main St., Moncton

QUEBEC -

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 &amp; Varnish Co. Ltd.

147 Nazareth St., Montreal

Conant Carbon Co. of Canada

3975 St. Ambroise St., Montreal

DIRECTORY OF FIRMS IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1934.  
(continued)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>QUEBEC - concluded</u>	
Covens Chemical Products	923 Bleury St., Montreal
Crown Diamond Paint Co. Limited, The	41 Bates Road, Outremont
Dominion Metal Co. Ltd.	108-110 Frontenac St., Sherbrooke
Dupere, R.R., Limitee	579 rue St. Valier, Quebec
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
Ritchie Mfg. Co.	1081 Wellington 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, Limited	2320 Notre Dame St. W., Montreal
Thorp-Hambroek Co. Limited, and The Murphy Company 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.	1-21 Clouston Ave., Toronto, 9.
Aulcraft Paints Ltd.	325 Symington Ave., Toronto
Berry Brothers	Walker Road, Walkerville
Boulton Paint Co. Ltd., The	120 Main St. N., Weston
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
Cosmos Chemical Co. Ltd.	Cavan St., Port Hope
Glidden Co. Limited, The	380 Wallace Ave., Toronto
Gypsum, Lime and Alabastine, Canada, Ltd.	Willow St., Paris
Hamilton Paint & Varnish Works	61 Biggar Ave., Hamilton
Hannan Varnish Co. Limited	Glenmorris
Imperial Varnish & Color Co. Limited	8 Morse St., Toronto
Irvington Varnish & Insulator Co. of Canada, Ltd.	Kenilworth Ave. N., Hamilton
Lowe Brothers Co. Ltd.	263 Sorauren Ave., Toronto
Marietta Co. of Canada, The	40 Dovercourt Road, Toronto
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.	1st Ave. 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.	25 Cariboo Ave., Toronto
International Varnish Co. Ltd.	371 Carlaw Ave., Toronto



DIRECTORY OF FIRMS IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1934.  
(concluded)

Names of Firms

Location of Plants

ONTARIO - (concluded)

Pratt & Lambert, Inc.	54 Courtwright St., Port 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
Treuhaff Manufacturing Limited	Clark and Wickstead Sts., Leaside
Watts Chemical Co.	355 Weston Road S., Toronto
Weir, James, Co. Ltd.	Spirea Ave., Long Branch.

MANITOBA -

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

SASKATCHEWAN -

Beaver Paint Manufacturing Co. Ltd.	1727 St. John St., Regina
Canadian Industries Limited	Lorne and Fifth Aves., Regina

ALBERTA -

Herbert Paint & Varnish Co. Ltd.	9th Ave. and 3rd St. W., Calgary
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BRITISH COLUMBIA -

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.	Bay and Shakespeare Sts., Victoria

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