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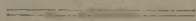
CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

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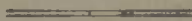


**THE PAINTS, PIGMENTS AND
VARNISHES INDUSTRY**

IN

CANADA

1937



**OTTAWA
1939**

Price 15 cents



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

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ANNUAL INDUSTRY REPORT - CHEMICALS AND ALLIED PRODUCTS GROUP.

THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY, 1937.

Manufacturers of paints, pigments and varnishes reported an improvement in business of about 13 per cent in 1937 when their output was valued at \$25,531,117 at factory prices. In 1936 the value of production was \$22,651,225; in 1935 it was \$20,341,407, and in 1934 it was \$18,618,371.

A total of 82 plants operated in this industry during 1937 distributed, by provinces, as follows: 38 in Ontario, 25 in Quebec, 8 in British Columbia, 5 in Manitoba, 2 in Saskatchewan, 2 in Alberta, and 1 in each of Nova Scotia and New Brunswick. The works in Ontario accounted for 47 per cent of the total output and establishments in Quebec accounted for 39 per cent.

Capital employed by these establishments was reported at \$23,853,360 as against \$23,274,558 in the previous year. The value of lands, buildings and machinery was given at \$10,559,085, inventories at \$7,433,139, and operating capital such as cash on hand, bills and accounts receivable, etc., amounted to \$5,861,136. Forty-seven per cent of the reported investment was for plants located in Quebec and 36 per cent for works in Ontario.

The total production in Canada of some of the leading items (including small quantities from other industries) was as follows in 1937: 4,027,418 gallons of ready-mixed paints at \$9,207,516; 1,481,166 gallons of enamels at \$4,556,423; 2,392,188 gallons of varnishes at \$3,370,014; 762,358 gallons of nitrocellulose lacquers at \$1,883,893; 572,171 gallons of pyroxylin thinners at \$592,779; dry colours at \$673,088; 343,233 gallons of stains at \$538,783; 8,057,458 pounds of cold water paints at \$461,733; 5,875,967 pounds of paste paints at \$538,690; 186,920 gallons of prepared shellac at \$400,427, and 1,363,594 pounds of colours in japan or oil at \$245,060.

Imports of paints, pigments and varnishes increased 21 per cent in 1937, the value being \$4,997,904 against \$4,115,617 in 1936. The more important items were: 11,081 tons of lithopone at \$777,752; 8,702 tons of carbon black at \$723,167; 7,241 tons of zinc oxide at \$742,500; 2,815 tons of antimony and titanium oxides at \$526,745; 187,724 gallons of liquid fillers at \$309,263; 1,280 tons of litharge at \$194,421; 176 tons of tin and copper oxides at \$121,523, and many other items of less dollar value such as blacks other than carbon, blanc fixe, ultramarine blue, ochres, siennas, umbers, etc. For each of these commodities the figures represent the total imports whether for use in the paints industry or for other purposes.

Exports, consisting chiefly of mixed paints, were valued at \$1,021,948, an increase of 18 per cent over the total of \$862,335 in 1936. Of this year's total, \$423,855, or 41 per cent, went to the United Kingdom, \$47,120 to the United States, \$70,745 to Newfoundland, \$70,980 to Hong Kong, \$57,929 to British South Africa, \$51,899 to New Zealand, and \$46,249 to Trinidad and Tobago.

Table 1 - PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF PAINTS, PIGMENTS AND VARNISHES, 1926 - 1937.

Years	Gross value of	Imports	Exports
	Production for the Paints Industry		
	\$	\$	\$
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	4,665,681	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	383,368
1934	18,618,371	3,292,956	599,907
1935	20,341,407	3,651,492	741,639
1936	22,651,225	4,115,617	862,335
1937	25,531,117	4,997,904	1,021,948

Table 2 - PRINCIPAL STATISTICS OF THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY, 1921 - 1937.

Years	No. of plants	Capital employed	Average	Salaries and wages	Cost of	Cost of	Gross sell-
			number of em- ployees		fuel and electricity at works		materials at works
		\$		\$	\$	\$	\$
1921	49	20,530,951	2,230	3,239,589	248,446	8,868,042	17,172,190
1922	53	21,073,706	2,452	3,421,216	244,507	9,790,603	18,623,305
1923	57	20,806,909	2,531	3,665,823	288,617	9,965,145	20,938,802
1924	55	20,587,856	2,287	3,044,228	282,654	9,778,525	18,187,681
1925	62	21,460,431	2,355	3,093,191	293,893	9,974,106	19,530,082
1926	64	22,890,807	2,484	3,375,961	310,913	10,667,673	22,279,382
1927	62	23,162,090	2,563	3,552,586	312,774	10,474,908	22,606,063
1928	68	24,256,008	2,881	3,967,295	322,549	11,387,295	24,703,733
1929	69	26,471,976	2,851	4,260,019	351,664	12,414,829	27,103,465
1930	78	25,212,828	2,835	4,307,998	300,355	11,094,435	23,966,502
1931	75	24,985,476	2,780	4,281,861	249,933	7,974,352	18,536,463
1932	71	23,978,252	2,658	3,858,813	252,272	6,295,860	14,912,383
1933	78	22,438,251	2,540	3,464,947	247,067	6,153,836	14,896,693
1934	79	22,816,098	2,859	3,825,538	274,567	7,949,941	18,618,371
1935	80	22,709,466	3,060	4,242,116	289,845	9,610,743	20,341,407
1936	78	23,274,558	3,124	4,428,387	288,915	10,817,694	22,651,225
1937	82	23,853,360	3,324	4,827,199	305,775	12,307,011	25,531,117

% change 1937
 from 1936 +5.1 +2.5 +6.4 +9.0 +5.8 +13.8 +12.7

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1936 and 1937.

Provinces	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1936							
Quebec	22	11,684,568	1,166	1,754,728	139,380	4,621,539	9,123,233
Ontario	36	7,548,633	1,498	2,132,592	112,701	4,650,071	10,510,533
Manitoba	5	1,716,280	203	234,760	22,594	657,943	1,217,132
British Columbia	9	1,585,791	179	229,154	5,692	563,145	1,222,094
Nova Scotia	1)						
New Brunswick	1)	739,286	78	77,153	8,548	324,996	578,233
Saskatchewan	2)						
Alberta	2)						
CANADA	78	23,274,558	3,124	4,428,387	288,915	10,817,694	22,651,225
1937							
Quebec	25	11,198,411	1,275	1,895,875	144,964	5,102,651	10,070,024
Ontario	38	8,586,787	1,530	2,293,333	126,988	5,534,894	12,135,757
Manitoba	5	1,491,957	227	262,076	19,775	748,960	1,422,216
British Columbia	8	1,785,792	190	255,052	6,134	564,769	1,306,900
Nova Scotia	1)						
New Brunswick	1)	790,413	102	120,863	7,914	355,737	596,220
Saskatchewan	2)						
Alberta	2)						
CANADA	82	23,853,360	3,324	4,827,199	305,775	12,307,011	25,531,117

Table 4 - CAPITAL EMPLOYED, BY CLASSES AND BY PROVINCES, 1936 and 1937

Provinces	Present value of lands, buildings, machinery, tools and other equipment	Inventory value of materials on hand, stocks in process, finished products and miscellaneous supplies on hand	Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
1936				
Quebec	5,772,701	2,892,715	3,019,152	11,684,568
Ontario	3,107,757	2,442,618	1,998,258	7,548,633
Manitoba	880,957	468,377	366,946	1,716,280
British Columbia	681,861	519,619	384,311	1,585,791
Other provinces	394,856	167,124	177,306	739,286
CANADA	10,838,132	6,490,453	5,945,973	23,274,558
1937				
Quebec	5,308,704	3,193,207	2,696,500	11,198,411
Ontario	3,380,722	2,911,860	2,294,205	8,586,787
Manitoba	750,485	529,234	212,238	1,491,957
British Columbia	716,584	581,107	488,101	1,785,792
Other provinces	402,590	217,731	170,092	790,413
CANADA	10,559,085	7,433,139	5,861,136	23,853,360

Table 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1937.

	Number of plants	Capital employed \$	Number of employees	Gross selling value of products at works \$
(a) PRODUCTION				
Under \$5,000	7	66,661	9	21,319
\$5,000 to \$10,000	3	24,313	11	20,961
\$10,001 to \$25,000	15	211,695	66	230,553
\$25,001 to \$50,000	11	815,233	107	435,421
\$50,001 to \$100,000	10	652,651	157	776,729
\$100,001 to \$250,000	10	1,722,602	256	1,695,269
\$250,001 to \$500,000	11	3,403,352	521	3,946,296
\$500,001 to \$1,000,000	6	4,423,099	624	3,801,596
Over \$1,000,000	9	12,533,754	1,583	14,602,973
TOTAL	82	23,853,360	3,324	25,531,117
(b) NUMBER OF EMPLOYEES				
1 or 2	14	144,443	22	129,300
3 to 10	20	582,990	115	665,534
11 to 20	15	1,337,976	232	1,713,307
21 to 50	13	2,549,125	401	2,710,165
51 to 100	11	6,890,572	876	6,080,208
101 to 500	9	12,348,254	1,678	14,227,603
TOTAL	82	23,853,360	3,324	25,531,117
(c) CAPITAL EMPLOYED				
Under \$25,000	25	271,103	86	335,554
\$25,000 to \$100,000	19	904,537	227	1,152,026
\$100,001 to \$500,000	25	6,228,266	988	6,806,782
\$500,001 to \$1,000,000	5	3,601,819	579	5,058,032
Over \$1,000,000	8	12,847,635	1,444	12,178,723
TOTAL	82	23,853,360	3,324	25,531,117

Table 6 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1936 and 1937.

Provinces	Average number of employees				TOTAL	Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages					
	Male	Female	Male	Female	TOTAL	\$	\$	\$
1936								
Quebec	367	113	614	72	1,166	1,057,541	697,187	1,754,728
Ontario	548	165	726	59	1,498	1,332,870	799,722	2,132,592
Manitoba	55	10	124	14	203	107,942	126,818	234,760
British Columbia .	40	14	112	13	179	110,363	118,791	229,154
Other provinces ..	25	6	43	4	78	35,355	41,798	77,153
CANADA	1,035	308	1,619	162	3,124	2,644,071	1,784,316	4,428,387
1937								
Quebec	434	117	651	73	1,275	1,146,969	748,906	1,895,875
Ontario	517	153	796	64	1,530	1,325,466	967,867	2,293,333
Manitoba	61	10	141	15	227	117,808	144,268	262,076
British Columbia .	51	15	111	13	190	129,129	125,923	255,052
Other provinces ..	44	10	43	5	102	77,078	43,785	120,863
CANADA	1,107	305	1,742	170	3,324	2,796,450	2,030,749	4,827,199

Table 7 - WAGE-EARNERS, BY MONTHS, 1936 and 1937. (On the 15th of each month)

Months	1 9 3 6			1 9 3 7		
	Male	Female	TOTAL	Male	Female	TOTAL
January	1,514	151	1,665	1,637	151	1,788
February	1,538	158	1,696	1,685	162	1,847
March	1,565	166	1,731	1,745	173	1,918
April	1,645	183	1,828	1,810	185	1,995
May	1,706	177	1,883	1,900	200	2,100
June	1,710	176	1,886	1,881	189	2,070
July	1,692	164	1,856	1,778	171	1,949
August	1,608	156	1,764	1,728	164	1,892
September	1,580	154	1,734	1,713	160	1,873
October	1,619	159	1,778	1,714	164	1,878
November	1,611	164	1,775	1,701	167	1,868
December	1,611	159	1,770	1,669	162	1,831
AVERAGE	1,619	162	1,781	1,742	170	1,912

Table 8 - REGULAR HOURS WORKED PER WEEK BY WAGE-EARNERS, 1936 and 1937.

Hours worked per week	Per cent of wage-earners		Hours worked per week	Per cent of wage-earners	
	1936	1937		1936	1937
40 hours or less	20.2	16.3	51 - 53 hours..	1.6	1.5
41 - 43 hours ...	0.7	0.9	54 hours	0.3	0.1
44 hours	24.4	33.8	55 hours	0.7	0.6
45 - 47 hours ...	15.6	9.6	56 - 59 hours .	0.8	2.3
48 hours	20.5	19.0	60 hours or over	2.4	1.9
49 - 50 hours ...	12.8	14.0	Total	100.0	100.0

Table 9 - FUEL AND ELECTRICITY USED, 1936 and 1937.

Kinds	Unit of Measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian ..	short ton	6,985	43,273	7,183	43,292
Imported ..	short ton	9,332	62,731	9,596	59,928
Anthracite coal	short ton	593	3,739	749	4,727
Coke	short ton	2,409	19,087	2,995	23,972
Gasoline	Imp. gal.	20	7	200	18
Kerosene or coal oil	Imp. gal.	310	56	360	65
Fuel oil	Imp. gal.	352,421	24,108	395,662	27,161
Wood	cord	123	678	177	925
Gas - Manufactured	M cu.ft.	755	792	1,431	1,387
Natural	M cu.ft.	1,494	694	1,038	338
Other fuel	xxx	...	5,973	...	3,892
Electricity purchased	K.W.H.	8,487,001	127,777	7,798,098	140,070
TOTAL .....	\$	...	288,915	...	305,775

Table 10 - POWER EQUIPMENT, 1936 and 1937.

Kinds	1 9 3 6		1 9 3 7	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines	13	541	14	744
Gasoline, gas and oil engines	1	9	1	9
Total Primary Equipment	14	550	15	753
Electric motors run by purchased power	869	6,902	1,002	7,461
TOTAL	883	7,452	1,017	8,214
Electric motors run by power generated in reporting plants ...	..	..	23	85
Total Electric Motors .....	..	..	1,025	7,546
Boilers	50	3,590	47	3,555

Table 11 - POWER EQUIPMENT SHOWING "ORDINARILY IN USE" SEPARATELY FROM "IN RESERVE OR IDLE" 1937.

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines	13	669	1	75
Gasoline, gas and oil engines	1	9	..	..
Total Primary Equipment	14	678	1	75
Electric motors run by purchased power	991	7,381	11	80
TOTAL	1,005	8,059	12	155
Electric motors run by generated power	23	85	..	..
Total Electric Motors	1,014	7,466	..	..
Boilers	38	2,815	9	740

Table 12 - MATERIALS USED IN MANUFACTURING, 1936 and 1937.

Materials	Unit of Measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
Pigments, colours and fillers -					
Basic carbonate white lead, dry.	lb.	3,697,698	251,698	3,238,602	245,539
Basic carbonate white lead, in oil	lb.	1,573,852	120,622	1,289,122	103,718
Basic sulphate white lead	lb.	125,593	10,762	103,830	9,834
Iron oxide pigments	lb.	1,466,315	67,850	1,780,312	81,709
Litharge	lb.	1,128,075	69,130	1,051,147	73,724
Lithopone	lb.	13,477,057	548,877	14,322,160	601,406
Metallic powders (aluminium, etc.)	lb.	160,603	54,124	267,733	110,191
Nitrocellulose	lb.	845,222	177,165	940,459	201,356
Red lead	lb.	848,518	59,477	947,159	77,124
Titanium white, pure	lb.	1,396,337	193,638	1,299,857	193,107
Titanium pigments, reduced	lb.	1,059,928	75,492	2,448,484	169,762
Zinc oxide, pure	lb.	2,696,741	150,086	2,619,194	152,347
Zinc oxide, leaded, and zinc leads	lb.	2,784,332	132,097	3,538,049	187,602

Table 12 - MATERIALS USED IN MANUFACTURING, 1936 and 1937. (continued)

Materials	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
Pigments, colours and fillers - (concluded)					
Asbestine or talc	lb.	3,895,231	47,378	4,126,313	50,394
Barytes	lb.	2,533,275	41,687	2,630,366	42,821
Blanc fixe	lb.	97,016	3,148	125,743	4,136
Graphite	lb.	117,576	5,023	95,544	4,112
Kaolin or china clay	lb.	1,948,395	19,975	1,942,245	19,246
Satin white or gypsum	lb.	520,672	5,406	282,643	3,624
Silica or quartz	lb.	1,477,313	28,522	1,671,493	21,306
Whiting	lb.	12,163,819	105,678	12,365,754	108,290
Coal tar lakes	lb.	135,074	92,951	169,861	116,017
Chrome colours	lb.	1,333,542	193,794	1,470,347	219,078
Lampblack and other carbon blacks	lb.	385,917	51,579	437,436	49,326
Ochres, siennas and umbers	lb.	1,265,565	65,137	1,132,860	49,082
Prussian blue	lb.	66,346	28,941	83,543	35,205
Ultramarine blue	lb.	136,185	23,514	148,039	24,891
Sodium bichromate	lb.	530,521	41,867	573,267	46,157
Sodium prussiate, yellow	lb.	250,072	28,369	262,887	26,240
Other dry colours	lb.	628,641	162,618	1,099,549	203,705
All other pigments, fillers and colours	lb.	2,717,490	136,052	3,036,938	138,743
Driers -					
Cobalt salts	lb.	170,932	43,230	37,258	17,062
Glue	lb.	397,158	70,546	312,735	56,454
Linoleate driers	lb.	25,212	4,222	12,756	2,863
Manganese salts	lb.	91,698	13,239	55,423	6,322
Resins	lb.	5,332,823	342,291	5,923,077	457,626
Resinate driers	lb.	27,360	3,262	40,489	4,670
Shellac	lb.	492,371	109,061	562,119	109,863
Other gums and waxes	lb.	1,683,105	155,063	2,017,802	293,040
All other driers	xx	...	48,603	307,277	41,075
Oils and solvents -					
Castor oil	Imp.gal.	17,343	15,861	14,322	15,076
Chinawood oil	lb.	5,361,576	794,231	6,436,329	935,077
Fish oils	Imp.gal.	111,235	52,313	92,859	51,402
Linseed oil, raw	Imp.gal.	1,220,896	871,156	1,275,189	959,026
Linseed oil, boiled	Imp.gal.	667,576	504,725	731,979	584,416
Perilla oil	lb.	1,107,531	93,951	2,934,165	212,353
Soya bean oil	Imp.gal.	41,342	31,888	41,241	35,069
Other oils	Imp.gal.	...	125,664	204,890	152,059
Acetone	lb.	219,368	23,616	224,530	20,498
Acetic acid	lb.	399,601	30,360	425,701	32,981
Alcohol, ethyl	Proof gal.	240,030	144,515	220,487	125,204
Alcohol, wood (methyl hydrate).	Imp.gal.	50,627	35,343	101,014	73,648
Amyl acetate	lb.	429,382	62,774	705,567	85,881
Amyl alcohol	Imp.gal.	16,746	20,020	8,311	10,055
Asphalt and asphaltum	lb.	964,727	32,593	1,145,207	27,286
Benzol	Imp.gal.	98,141	35,254	97,094	39,261
Butyl alcohol	lb.	334,594	36,595	450,878	45,622
Butyl acetate	lb.	1,148,064	137,773	471,922	57,134
Creosote	Imp.gal.	35,168	11,948	28,128	9,339
Ethyl acetate	lb.	1,671,213	163,343	1,992,795	180,053
Petroleum distillates	Imp.gal.	3,067,529	504,054	3,690,567	609,059

Table 12 - MATERIALS USED IN MANUFACTURING, 1936 and 1937. (concluded)

Materials	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Driers - (concluded)					
Pitch, coal tar	Imp.gal.	109,204	15,571	132,653	17,853
Toluol	Imp.gal.	225,650	105,776	284,147	133,718
Turpentine	Imp.gal.	230,909	130,973	251,693	126,567
Varnishes	Imp.gal.	244,614	198,928	273,205	235,298
Xylol	Imp.gal.	78,562	36,185	74,382	30,210
Cans, cases, barrels, labels, etc. xx		...	1,168,557	...	1,740,588
All other materials, including pig lead	xx	...	1,651,497	...	1,398,451
TOTAL .....	\$	...	10,817,694	..	12,307,011

Table 13 - PRODUCTS MADE, 1936 and 1937.

NOTE - Data given in this table cover only the output of firms which have been included in the paints and varnishes industry (see directory), and do not necessarily represent the total production of these commodities in Canada.

Products	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
Colours, dry	xx	...	686,069	...	644,700
Colours, ground in oil or japan	lb.	1,411,246	306,456	1,363,594	245,060
Enamels,	Imp.gal.	1,114,179	3,520,601	1,462,081	4,499,423
Japans	Imp.gal.	109,464	120,757	162,157	171,418
Lacquers, nitrocellulose	Imp.gal.	614,540	1,634,462	762,358	1,883,893
Paints, cold water	lb.	8,802,870	524,415	8,057,458	461,733
Paints, asphaltic and tar	Imp.gal.	260,558	231,682	276,416	237,090
Paints, iron oxide	Imp.gal.	55,846	82,208	81,143	130,496
Paints, metallic (aluminium, bronze, etc.)	Imp.gal.	31,625	105,101	45,655	142,618
Paints, paste	lb.	4,576,092	460,606	5,875,967	538,690
Paints, ready mixed	Imp.gal.	3,665,790	8,382,188	4,022,285	9,186,572
Shellac, prepared	Imp.gal.	162,397	367,644	185,170	396,427
Stains (oil, spirit, varnish and creosote)	Imp.gal.	301,553	486,425	343,233	538,783
Varnishes, oil and spirit	Imp.gal.	1,989,235	2,842,400	2,380,401	3,334,014
Driers, linoleate and resinate	Imp.gal.	40,449	46,468	41,783	44,550
Fillers, paste and liquid	lb.	400,124	52,706	404,090	54,438
Floor wax, paste	lb.	142,680	32,324	155,204	37,416
Floor wax and polish, liquid	Imp.gal.	10,290	17,123	5,595	9,185
Oil, linseed, boiled	Imp.gal.	106,821	100,388	108,152	99,844
Oil, core and paint	Imp.gal.	128,267	131,166	160,707	162,727
Oils, stand, blown and enamel	Imp.gal.	5,726	5,622	24,270	20,918
Paint and varnish removers	Imp.gal.	57,807	116,597	61,541	127,073
Putty	lb.	5,739,363	203,412	5,982,374	207,370
Pyroxylin thinners	Imp.gal.	518,707	539,472	572,171	592,779
Size	lb.	199,765	6,441	192,868	7,943
All other products (x)	xx	...	1,648,492	...	1,755,957
TOTAL .....	\$	...	22,651,225	...	25,531,117

(x) Includes data for items reported by less than 3 firms, such as white lead, red lead, litharge, polishes, textile and tanners' oil, etc.

Table 14 - PRODUCTS MADE, BY PROVINCES, 1937.

Products	Unit of measure	QUEBEC		ONTARIO		OTHER PROVINCES	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$	Quantity	Selling value at works \$
Colours, dry	lb.	2,461,383	389,381	3,234,590	251,536	42,052	3,783
Colours, ground in oil or japan	lb.	564,034	92,723	624,385	126,134	175,175	26,203
Enamels	Imp.gal.	416,743	1,510,212	985,461	2,804,372	59,877	184,839
Japans	Imp.gal.	21,265	26,890	122,206	117,309	18,686	26,719
Lacquers, nitrocellulose (pyroxylin)	Imp.gal.	301,071	576,196	451,838	1,236,407	9,449	21,290
Paints, cold water	lb.	1,309,727	82,484	5,872,633	342,978	875,098	36,271
Paints, asphaltic and tar	Imp.gal.	18,313	16,839	252,539	214,180	5,564	6,071
Paints, iron oxide	Imp.gal.	311	543	60,715	95,342	20,117	34,611
Paints, paste	lb.	2,266,569	200,413	2,442,297	220,803	1,167,101	117,474
Paints, ready mixed	Imp.gal.	1,614,272	3,735,619	1,648,854	3,617,309	759,159	1,833,644
Shellac, prepared	Imp.gal.	61,067	132,442	100,199	205,306	23,904	58,679
Stains (oil, spirit, varnish and creosote)	Imp.gal.	57,566	129,622	115,438	182,341	170,229	226,820
Varnishes, oil and spirit	Imp.gal.	869,091	1,478,641	1,158,601	1,387,552	352,709	467,821
Driers, linoleate and resinate	Imp.gal.	741	1,027	38,288	40,081	2,754	3,442
Fillers, paste and liquid	lb.	46,813	9,309	315,550	40,322	41,727	4,807
Floor wax, paste and liquid	xx	...	2,327	...	43,542	...	732
Oil, linseed, boiled	Imp.gal.	...	...	62,561	53,416	45,591	46,428
Oil, core and paint	Imp.gal.	76,696	88,155	84,011	74,572	...	...
Oils, stand, blown and enamel	Imp.gal.	...	...	24,270	20,918	...	...
Paint and varnish removers	Imp.gal.	31,398	62,050	27,135	58,436	3,008	6,587
Putty	lb.	3,054,389	96,231	1,716,107	53,539	1,211,878	57,600
Pyroxylin thinners	Imp.gal.	12,429	14,730	539,093	555,074	20,649	22,975
All other products (x)	xx	...	1,424,190	...	343,788	...	138,540
TOTAL .....	\$	...	10,070,024	...	12,135,757	...	3,325,336

(x) See Footnote to Table 13.

Table 15 - PRODUCTION OF CERTAIN PAINTS, VARNISHES, ETC., IN CANADA, 1926 - 1937.
(including any produced in other industries)

Years	MIXED PAINTS				ASPHALTIC AND		SHELLAC			
	READY FOR USE		COLD WATER PAINTS		PASTE PAINTS		TAR PAINTS		SHELLAC	
	Imperial gallons	Selling value at works \$	Pounds	Selling value at works \$	Pounds	Selling value at works \$	Imperial gallons	Selling value at works \$	Imperial gallons	Selling value at works \$
1926	3,038,575	8,200,312	9,377,015	677,967	7,134,240	732,843	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	3,432,665	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	463,223	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	598,584	4,523,313	476,805	...	193,776	162,685	363,493
1932	2,200,313	5,218,521	8,567,366	523,594	3,050,728	311,977	217,230	159,662	120,625	245,376
1933	2,334,747	5,591,427	7,034,119	444,062	3,256,900	312,571	181,162	144,397	131,298	265,533
1934	2,879,877	6,958,057	7,607,838	460,523	3,767,912	373,330	214,206	179,991	141,609	304,411
1935	3,163,015	7,605,453	8,180,141	471,594	4,386,396	446,640	322,713	234,030	173,783	341,765
1936	3,669,777	8,398,958	8,802,870	524,415	4,576,092	460,606	267,767	237,296	162,397	367,644
1937	4,027,418	9,207,516	8,057,458	461,733	5,875,967	538,690	286,886	244,817	186,920	400,427

Years	VARNISHES		ENAMELS		STAINS		NITROCELLULOSE LACQUERS	
	Imperial gallons	Selling value at works \$	Imperial gallons	Selling value at works \$	Imperial gallons	Selling value at works \$	Imperial gallons	Selling value at works \$
	1926	...	4,282,383	392,427	1,405,824	397,575	704,050	...
1927	2,572,954	4,334,196	442,160	1,482,899	406,154	683,250	666,251	1,666,401
1928	1,968,709	3,665,944	766,453	1,936,903	434,702	755,139	488,150	1,515,606
1929	2,078,004	3,813,828	902,720	2,685,853	431,921	755,230	659,880	1,883,170
1930	1,645,100	2,869,379	621,264	2,104,892	367,362	645,739	608,152	1,655,113
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	1,491,608	2,282,975	763,879	2,363,836	282,084	413,330	541,567	1,488,205
1935	1,483,375	2,448,624	953,730	2,843,661	233,332	451,195	555,230	1,491,114
1936	1,989,235	2,842,400	1,126,179	3,562,491	301,553	436,425	614,540	1,634,462
1937	2,392,188	3,370,014	1,481,166	4,556,423	343,233	538,783	762,353	1,383,893

Table 16 - IMPORTS OF PAINTS, PIGMENTS AND VARNISHES INTO CANADA FOR CONSUMPTION,
1937.

Items	Unit of measure	From UNITED KINGDOM	From UNITED STATES	From OTHER COUNTRIES	TOTAL
<u>Chemical Pigments, Lead -</u>					
Litharge	lb.	1,265,700	1,294,800	...	2,560,500
	\$	101,533	92,888	...	194,421
Lead, red, dry, and orange mineral	lb.	485,811	148,799	44,666	679,276
	\$	38,333	13,097	2,375	53,805
Lead, white, dry	lb.	11,400	31,418	...	42,818
	\$	1,155	2,205	...	3,360
Lead, white, ground in oil	lb.	14,366	750	...	15,116
	\$	1,409	90	...	1,499
Antimony oxide and titanium oxide	lb.	2,220,330	3,410,121	...	5,630,451
	\$	262,660	264,085	...	526,745
<u>Other Chemical Pigments -</u>					
Black, carbon	lb.	111,504	17,292,173	...	17,403,677
	\$	5,309	717,258	...	723,167
Blacks, lamp, bone and ivory	lb.	135,232	603,558	32,169	770,959
	\$	5,220	52,978	4,130	62,328
Blanc fixe	lb.	512,318	57,300	509,781	1,079,399
	\$	11,854	2,588	7,012	21,454
Brocade and bronze powders	lb.	348	39,734	51,876	91,958
	\$	130	18,948	17,146	36,224
Lithopone	lb.	10,132,452	3,352,128	8,678,020	22,162,600
	\$	388,984	142,642	246,126	777,752
Oxide of cobalt	lb.	2	615	...	617
	\$	3	868	...	871
Oxide of tin and copper ...	lb.	222,866	61,333	67,040	351,239
	\$	68,801	20,383	32,339	121,523
Oxides, fireproofs, rough stuff, fillers and colours, dry, n.o.p.	lb.	1,704,866	4,146,204	2,232,876	8,083,946
	\$	230,051	554,706	59,392	844,149
Paris green, dry	lb.	90,905	10,000	33,069	133,974
	\$	12,176	1,777	4,857	18,810
Satin white	lb.	736,352	139,296	...	875,648
	\$	8,493	1,513	...	10,006
Ultramarine blue, dry or in pulp	lb.	381,159	124,048	36,993	542,200
	\$	43,735	19,029	4,246	67,010
Zinc white (zinc oxide) ...	lb.	10,073,137	3,298,398	1,109,998	14,481,533
	\$	519,636	178,934	43,930	742,500
<u>Mineral Earth Pigments -</u>					
Ochres, ochrey earths, siennas and umbers	lb.	346,342	2,201,906	698,196	3,246,444
	\$	8,353	35,510	12,221	56,084
Putty	lb.	25,733	116,471	607,493	749,697
	\$	838	7,654	6,973	15,565

Table 16 - IMPORTS OF PAINTS, PIGMENTS AND VARNISHES INTO CANADA FOR CONSUMPTION, 1937. (concluded)

Items	Unit of measure	From UNITED KINGDOM	From UNITED STATES	From OTHER COUNTRIES	TOTAL
<u>Mineral Earth Pigments - concluded</u>					
Artists' paints, n.o.p., ground and liquid	\$	66,206	16,115	13,825	96,146
Gold liquid paint	\$	16	1,739	20	1,775
Liquid fillers, anit-corrosive and anit-fouling paints, and ground in liquid paints, n.o.p.	gal.	34,965	148,281	4,478	187,724
	\$	43,873	259,179	6,211	309,263
Paints and colours, ground in spirits, and all spirit varnishes and lacquers	gal.	1,858	17,269	400	19,527
	\$	5,899	53,409	942	60,250
Varnishes, lacquers, japans, japan driers, liquid driers and oil finish, n.o.p.	gal.	8,626	116,457	896	125,979
	\$	14,212	184,058	2,325	200,595
Stains and oxides, valued at not less than 20 cents per pound for use exclusively as colouring constituents 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	lb.	26,664	21,789	...	48,453
	\$	37,610	15,192	...	52,802
TOTAL - PAINTS, PIGMENTS AND VARNISHES	\$	1,877,089	2,656,845	463,970	4,997,904

Table 17 - EXPORTS OF PAINTS, PIGMENTS AND VARNISHES FROM CANADA, 1937.

Items	Unit of measure	To UNITED KINGDOM	To UNITED STATES	To OTHER COUNTRIES	TOTAL
Mineral pigments, iron oxides, ochres, etc.	cwt.	5,940	17,349	11,311	35,100
	\$	21,757	33,579	49,904	105,240
White lead, dry or in oil	cwt.	1,121	...	1,049	2,170
	\$	8,687	...	9,155	17,842
Paints, n.o.p.	\$	382,610	13,413	462,382	858,905
Putty	cwt.	...	6	346	352
	\$	...	35	1,079	1,114
Varnish	gal.	7,497	48	19,495	27,040
	\$	10,801	93	27,953	38,847
TOTAL	\$	423,855	47,120	550,973	1,021,948

Table 18 - INDEX NUMBERS OF WHOLESALE PRICES FOR PAINT MATERIALS, 1936 and 1937.

	Unit	1 9 3 6		1 9 3 7	
		Average price (1926 = 100)	Relative price	Average price (1926 = 100)	Relative price
Shellac	pound	0.146	39.6	0.131	35.5
White lead, basic carbonate	100 pounds	8.778	78.3	10.395	92.8
Zinc oxide	100 pounds	5.150	74.5	5.999	86.7
Red lead, 85 per cent	100 pounds	7.188	70.2	9.188	89.8
Lithopone	100 pounds	4.462	85.0	4.312	82.1
Litharge	pound	0.067	53.6	8.688	69.5
Lamp black, pure, dry	pound	0.105	75.0	.105	75.0
Carbon black	pound	0.083	70.6	.081	68.9
Putty, pure linseed oil	100 pounds	3.050	63.6	3.566	68.8
Index Paint Materials	xxx	...	68.8	...	76.9
<u>Prepared paints -</u>					
Paint, pure white, first quality	Imp. gal.	2.875	63.0	3.175	69.6
Paint, coloured	Imp. gal.	2.875	68.2	3.175	75.4
Index Prepared Paints	xxx	...	65.5	...	72.4

DIRECTORY OF FIRMS IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1937.

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>NOVA SCOTIA -</u>	
Brandram-Henderson, Limited	230 Kempt Road, Halifax
<u>NEW BRUNSWICK -</u>	
Maritime Paint & Chemical Co. Ltd.	348 Main St., Moncton
<u>QUEBEC -</u>	
Army Navy Mfg. Products	910a St. George St., Montreal
Brandram-Henderson, Limited	6684 St. Urbain St., Montreal
Canadian Industries Limited	2100 St. Patrick St., Montreal
Carter White Lead Co. of Canada, Ltd.	1295 Delorimier Ave., Montreal
Cie de Peintures et Vernis Mont-Royal Ltee.	5669 Casgrain St., Montreal
Coatwell Paint & Varnish Co. Ltd.	147 Nazareth St., Montreal
Conant Co.	3975 St. Ambroise St., Montreal
Cowens Chemical Products	923 Bleury St., Montreal
Crown Diamond Paint Co. Limited	41 Bates Road, Outremont
Dominion Metal Co. Ltd.	108 Frontenac St., Sherbrooke
International Lacquer Products	3958 Colonial Ave., Montreal
International Paints (Canada) Limited	6700 Park Ave., Montreal
Jamieson, Jas. W., & Co. Limited	2691 Charlemagne St., Montreal

DIRECTORY OF FIRMS IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1937.
(continued)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>QUEBEC - (concluded)</u>	
La Cie Peinture & Vernis "Moderne" - N.E. Shellac Cie	2010a Sicard St., Montreal
La Peinture Loyale Canadienne Ltée.	1129 Notre Dame St. W., Montreal
McArthur, Irwin, Limited	11 Bates Road, Outremont
Martin-Senour Co. Limited	6833 De L'Epée Ave., Montreal
Norman Lacquer Co. of Canada	1081 Wellington St., Montreal
Ritchie Mfg. Co.	1081 Wellington St., Montreal
Rock Paint & Varnish Ltd.	583 Inspecteurs St., Montreal
Shell Paint & Varnish Co.	5244 Casgrain Ave., Montreal
Sherwin-Williams Co. of Canada, Limited	2875 Centre St., and 1957 Hunter St., Montreal
Steel Company of Canada, Limited	2320 Notre Dame St. W., Montreal
Thorp-Hambrook Limited, and The Murphy Company Limited	2735 Manufacturers St., Montreal
<u>ONTARIO -</u>	
Acme Paint & Varnish Co. Ltd.	120 - 26th St., Long Branch
Adams Paint Mfg. Company Ltd.	Courtwright St., Fort Erie North
Allen, Geo., Co.	159 Kendall Ave., Toronto
Anchor Paint Co.	92 Norwich St., Guelph
Aulcraft Paints Ltd.	313 Symington Ave., Toronto
Berry Brothers	Walker Road, Walkerville
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.	Jane and Foxwell Aves., Toronto
Commercial Chemical Co.	Lea & Laird Drive, Leaside
Cosmos Chemical Co. Ltd.	Cavan St., Port Hope
Glidden Co. Limited	372 Wallace Ave., Toronto
Gypsum, Lime and Alabastine, Canada, Ltd.	Willow St., Paris
Hamilton Paint & Varnish Works	61 Biggar Ave., Hamilton
Hannan Varnish Co. Limited	15 Water St. S., Galt
Imperial Varnish & Color Co. Limited	8 Morse St., Toronto
Lowe Brothers Co. Ltd.	263 Sorauren Ave., Toronto
Marietta Co. of Canada Ltd.	40 Dovercourt Road, Toronto
Masse Manufacturing Co.	261 and 264 Macdonell 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	268 Pape Ave., Toronto

DIRECTORY OF FIRMS IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1937.
(concluded)

Names of Firms

Location of Plants

ONTARIO - (concluded)

Penfound Varnish Co. Ltd.	25 Cariboo Ave., Toronto
Pratt & Lambert Inc.	254 Courtwright St., Fort Erie North
Scarfe & Co. Limited	36 Greenwich St., Brantford
Sinclair, Malcolm, Co. Ltd.	Dundas St., Oakville
Smyth, John, Mfg. Co.	Mt. Pleasant
Standard Paint & Varnish Co. Limited	Wyandotte St. W., Windsor
Standard Ultramarine Co. of Canada Ltd.	132 St. Helen's Ave., Toronto
Sturgeons Limited	338 Carlaw Ave., Toronto
Trelco Limited	6 Alcina Ave., Toronto
Treuhaft Manufacturing Ltd.	Clarke & Wickstead Sts., Leaside
Weir, James, Co. Ltd.	24th St., Long Branch

MANITOBA -

International Laboratories Ltd.	490 Des Meurons St., St. Boniface
Northern Paint Co. Ltd.	394 Gertrude Ave., Winnipeg
Phillips Paint Products	Schultz and Sutherland, Winnipeg
Sherwin-Williams Co. of Canada, Ltd.	110 Sutherland Ave., Winnipeg
Stephens, G. F., & Co. Ltd.	176 Market Ave. E., Winnipeg

SASKATCHEWAN -

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

ALBERTA -

Edmonton Paint & Glass Co. Ltd.	10163 - 105th St., Edmonton
Herbert Paint & Varnish Co. Ltd.	9th Ave. and 3rd St. W., Calgary

BRITISH COLUMBIA --

Brandram-Henderson of B.C. Ltd.	Granville Island, Vancouver
British America Paint Co. Ltd.	200 Belleville St., Victoria
Darling, Henry, & Son Ltd.	28 Powell St., Vancouver
General Paint Corporation of Canada, Ltd.	950 Raymur Ave., 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.	840 Fort St., Victoria
Grandolite Paint Co. Ltd.	1339 Richards St., Vancouver

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