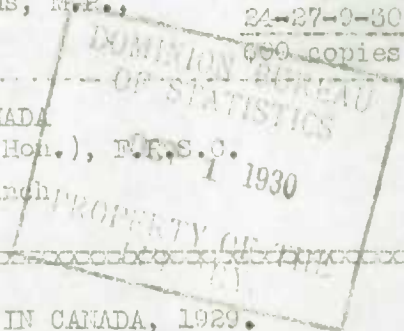


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DOMINION BUREAU OF STATISTICS - CANADA  
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THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1929.

According to the Dominion Bureau of Statistics at Ottawa, a new production record was established in Canada during 1929 when the output of paints, pigments and varnishes was valued at \$29,802,231. This figure was 7 per cent over the previous high of \$27,868,046 in 1928 and exceeded the \$27,042,096 reported for 1920, the third best year, by 10 per cent.

Factories in operation numbered 69 of which 34 were located in Ontario, 18 in Quebec, 9 in British Columbia, 5 in Manitoba and 1 in each of Nova Scotia, New Brunswick and Alberta. These firms employed a working capital of \$26,471,976, afforded employment to a monthly average of 2,851 people who received \$4,260,019 in salaries and wages and by manufacturing processes they added \$15,144,764 to the value of the materials used which cost \$14,657,467.

An analysis of the returns showed that 3 firms purchased their lead in pig form, 41 plants bought dry basic carbonate of white lead and 25 firms purchased white lead ground in oil. Principal sales included \$9,796,759 worth of mixed paints by 59 firms, varnishes at \$3,815,828 by 40 firms, enamels at \$2,685,853 by 42 firms, nitro-cellulose lacquers at \$1,863,170 by 16 firms, while 3 firms sold basic carbonate of white lead in dry form for \$449,766. Among the other sales were paste paints at \$807,172, stains at \$755,230, red lead and litharge at \$651,583, shellac at \$642,379, pyroxylin thinners at \$504,913 and colours in japan or oil at \$472,275, etc.

During the calendar year 1929 the imports of paints, pigments and varnishes amounted to \$6,221,130 and included 19,052,472 pounds of zinc white and zinc oxide valued at \$1,230,368; 14,620,572 pounds of carbon black worth \$1,014,140; 19,406,436 pounds of lithopone at \$352,079; red lead and litharge at \$337,946, etc. Of the total imports over 71 per cent came from the United States, slightly under 16 per cent from Great Britain, 6 per cent from the Netherlands, 3 per cent from Germany and small quantities from Belgium and France. Exports during the period were valued at \$490,426 including mixed paints at \$402,824 and varnishes at \$36,164. Of the total exports, 25 per cent went to Great Britain, 14 per cent to Newfoundland, 12 per cent to China and 12 per cent to the United States.

Table 1.- PRINCIPAL STATISTICS OF THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1925-1929.

Year	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
1925 ...	62	21,460,451	2,355	3,093,191	12,613,995	22,234,268	9,620,273
1926 ...	64	22,220,807	2,484	3,375,961	13,105,367	24,803,257	11,697,870
1927 ...	62	23,132,090	2,565	3,552,586	12,934,639	25,229,454	12,294,815
1928 ...	68	24,236,008	2,361	3,967,295	14,489,934	27,868,046	13,378,112
1929 ...	69	26,471,976	2,851	4,260,019	14,657,467	29,802,231	15,144,764

Table 2.- PRINCIPAL STATISTICS OF THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, BY PROVINCES, 1928 and 1929.

Province	1928				1929			
	No. of plants	Average no. of employees	Salaries and wages	Selling value of products at works	No. of plants	Average no. of employees	Salaries and wages	Selling value of products at works
Quebec.....	16	1,165	1,508,273	9,949,335	18	1,106	1,522,376	11,079,023
Ontario.....	33	1,279	1,959,288	13,508,548	34	1,507	2,205,552	14,750,123
Manitoba.....	5	133	217,936	2,201,893	5	190	250,747	1,603,775
British Columbia	8	161	199,378	1,435,094	9	167	215,227	1,463,549
CANADA (x).....	68	2,321	3,967,295	27,868,046	69	2,851	4,260,019	29,802,231

(x) Includes also data for 1 plant in Nova Scotia, 1 in New Brunswick and 2 in Alberta for 1928; and 1 plant in Nova Scotia, 1 in New Brunswick and 1 in Alberta for 1929.



Table 3.- MATERIALS USED IN THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1928 and 1929.

Item	Unit of measure	1 9 2 8		1 9 2 9	
		Quantity	Value \$	Quantity	Value \$
<u>PURCHASED MATERIALS</u>					
Pigments, colours and fillers -					
Pig lead.....lb.		20,078,539	1,167,435	22,772,364	1,412,548
Basic carbonate white lead, dry....lb.		4,347,787	410,550	4,366,045	390,686
Basic carbonate white lead, in oil..lb.		2,529,083	272,312	2,676,930	280,472
Basic sulphate white lead.....lb.		170,903	14,965	213,713	21,372
Red lead and litharge.....lb.		1,684,379	133,523	1,962,878	161,181
Zinc oxide, pure.....lb.		3,238,965	267,426	3,245,582	270,994
Loaded zinc oxide and zinc leads...lb.		1,635,154	123,639	2,636,787	177,050
Lithophone.....lb.		9,971,147	516,240	11,221,589	584,228
Nitrocellulose.....lb.		700,670	133,774	854,488	203,115
Whiting or chalk.....lb.		11,907,305	120,529	11,860,681	127,869
Iron oxide pigments.....lb.		2,367,172	103,274	3,283,098	112,120
Ochres, siennas and umbers.....lb.		1,780,261	70,355	1,719,766	69,058
Lampblack and other carbon blacks..lb.		428,992	64,350	354,662	79,450
All other pigments and dry colours. -		...	687,717	...	751,068
Driers -					
Resins.....lb.		5,956,841	336,508	6,513,413	392,387
Gums.....lb.		2,617,554	492,702	2,393,450	455,337
All other driers.....		...	133,286	...	131,858
Oils and solvents -					
Linseed oil, raw.....gal.		1,547,492	1,253,258	1,454,841	1,270,862
Linseed oil, boiled.....gal.		554,752	487,858	491,693	486,194
China wood oil.....gal.		1,037,425	576,923	1,327,332	652,409
Turpentine.....gal.		623,755	362,673	557,869	362,128
Petroleum distillate.....gal.		1,895,492	407,294	2,081,123	416,545
Acetic acid.....lb.		373,132	35,306	461,646	44,603
Butyl acetate.....gal.		134,922	270,317	161,421	237,150
Ethyl acetate.....gal.		126,058	148,427	182,313	220,363
Coal tar, naphtha and benzol.....gal.		497,917	231,607	575,444	271,987
Other oils and solvents.....		...	424,453	...	543,043
Cans, cases, barrels, labels, etc...-		...	1,258,791	...	1,332,234
All other materials.....		...	831,349	...	954,668
TOTAL.....		...	11,387,295	...	12,414,829
<u>INTERMEDIATES USED AS MATERIALS</u>					
Basic carbonate white lead, dry....lb.		4,971,634	370,015	5,421,416	355,150
Basic carbonate white lead, in oil..lb.		138,937	13,893	504,463	50,850
Other pigments and dry colours..... -		...	174,329	...	81,324
Driers.....		...	77,661	...	91,778
Linseed oil, boiled.....gal.		34,433	46,563	62,750	65,268
Stand, blown or animal oils.....gal.		138,298	133,235	113,443	131,667
Oil varnishes.....gal.		381,845	1,327,269	687,839	791,194
Other intermediates.....		...	899,072	...	674,907
TOTAL.....		...	3,102,639	...	2,242,638
TOTAL MATERIALS.....		...	14,489,934	...	14,657,467





Table 4.- PRODUCTS OF THE PAINTS, PIGMENTS AND VARNISHES INDUSTRY IN CANADA, 1928 and 1929.

Products	Unit of measure	1928		1929	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
<b>PRODUCTS MADE FOR SALE</b>					
Colours, dry.....lb.		1,670,082	263,849	1,554,757	194,056
Colours, in oil and japan..... -		...	489,368	...	472,275
Primers, linoleate.....gal.		7,066	8,332	12,352	19,394
Primers, resinate.....gal.		110,291	98,238	113,637	93,611
Emulsions.....gal.		766,453	1,966,903	902,720	2,685,853
Fillers, putty or other.....lb.		6,701,751	283,506	6,849,203	324,810
Iron oxide pigments.....lb.		136,362	12,101	705,392	69,257
Calomine.....lb.		3,973,576	262,868	3,992,482	252,525
Lacquers, japan.....gal.		110,588	115,571	162,598	157,055
Lacquers, nitrocellulose.....gal.		482,130	1,515,306	659,860	1,883,170
Lead, white, basic carbonate, dry....lb.		4,144,014	360,326	5,214,267	449,766
Lead, white, basic carbonate, in oil..lb.		14,614,489	1,550,073	15,772,532	1,646,345
Lead, red and litharge.....lb.		7,085,236	565,700	8,302,253	651,583
Oil, boiled linseed.....gal.		110,671	105,513	271,021	245,748
Oils, stand, blown or enamel.....gal.		9,930	21,845	11,694	12,705
Paints, asphaltic and tar.....gal.		193,764	165,905	550,602	248,090
Paints, cold water.....lb.		947,398	71,915	1,089,205	80,810
Paints, mixed.....gal.		3,482,665	9,053,579	4,034,701	9,798,759
Paints, paste.....lb.		6,543,947	878,126	7,870,996	867,172
Removers, paint and varnish.....gal.		55,796	116,926	60,701	109,265
Shellac.....gal.		193,421	589,662	216,470	642,379
Size.....lb.		362,855	13,941	316,365	9,718
Stains.....gal.		434,702	755,139	431,921	755,230
Thinners, pyroxylin.....gal.		424,704	694,224	417,054	584,913
Waxes and polishes, floor.....lb.		682,737	330,037	738,530	346,237
Varnishes, oil.....gal.		1,968,709	3,665,944	2,076,004	3,813,828
All other products (x)..... -		...	768,516	...	688,906
<b>TOTAL..... -</b>		<b>...</b>	<b>24,703,733</b>	<b>...</b>	<b>27,103,465</b>
<b>INTERMEDIATE PRODUCTS MADE FOR USE</b>					
Colours, dry.....lb.		914,850	172,400	769,278	80,106
Colours, in oil and japan..... -		...	14,802	...	15,315
Primers, linoleate.....gal.		19,904	37,877	28,969	56,032
Primers, resinate.....gal.		36,971	25,414	127,618	30,244
Emulsions.....gal.		1,936	8,030	24,467	45,721
Lacquers, japan.....gal.		25,294	20,685	20,491	17,352
Lacquers, nitrocellulose.....gal.		139,782	439,168	340,769	603,084
Lead, white, basic carbonate, dry....lb.		4,625,346	397,170	5,421,416	457,460
Lead, white, basic carbonate, in oil..lb.		535,225	55,191	504,463	50,350
Oil, boiled linseed.....gal.		54,435	46,565	62,755	65,268
Oil, stand, blown or enamel.....gal.		138,962	139,427	115,393	135,184
Paints, mixed, ready for use.....gal.		12,661	17,916	11,504	10,145
Paints, paste.....lb.		24,824	1,244	28,125	999
Shellac.....gal.		1,411	5,561	1,961	3,818
Thinners, pyroxylin.....gal.		151,556	385,419	6,635	6,453
Varnishes, oil.....gal.		861,845	1,327,269	854,535	1,090,693
All other intermediates (z)..... -		...	24,173	...	31,122
<b>TOTAL..... -</b>		<b>...</b>	<b>3,164,313</b>	<b>...</b>	<b>2,698,766</b>
<b>TOTAL PRODUCTS..... -</b>		<b>...</b>	<b>27,368,046</b>	<b>...</b>	<b>29,802,231</b>

(x) Includes zinc, core oil, varnished cambric, roofing cement, etc.

(z) Includes paint oil and oxilins, prepared resins, etc.



Table 5.- IMPORTS INTO CANADA FOR CONSUMPTION OF PAINTS, PIGMENTS AND VARNISHES, 1929.

Item	Unit of measure	From Great Britain	From United States	From Other Countries	TOTAL
<u>Chemical Pigments, Lead</u>					
Litharge.....	cwt.	32,357	28,756	4,829	55,922
	\$	162,108	227,979	33,174	423,261
Lead, red, dry, and orange mineral.....	lb.	1,248,787	243,694	299,391	1,791,872
	\$	91,547	22,981	20,157	134,685
Lead, white, dry.....	lb.	41,269	26,316	...	67,585
	\$	3,963	2,334	...	6,297
Lead, white, ground in oil.....	lb.	233,795	2,293	...	236,095
	\$	19,233	303	...	19,536
<u>Other Chemical Pigments</u>					
Black, carbon.....	lb.	5,090	14,439,011	126,471	14,620,572
	\$	81	1,002,636	11,423	1,014,140
Blacks, lamp, bone and ivory.....	lb.	466,250	355,904	122,324	1,444,378
	\$	21,503	82,368	7,595	111,466
Blanc fixe.....	lb.	713,308	893,083	184,898	1,891,289
	\$	14,735	33,097	4,641	52,473
Brocade and bronze powders.....	lb.	197	52,406	91,022	143,625
	\$	143	34,674	35,333	68,155
Lithophone.....	lb.	2,406,064	7,900,733	9,101,639	19,408,436
	\$	95,920	379,537	376,622	852,079
Oxide of cobalt, tin and copper, n.o.p.....	lb.	118,407	167,771	2,316	288,694
	\$	47,826	76,469	453	124,748
Oxides, fire proofs, rough stuff, fillers and colours, dry, n.o.p.....	lb.	1,523,458	5,430,243	412,167	7,365,868
	\$	154,653	606,569	29,432	790,654
Paris, green, dry.....	lb.	16,260	50,830	...	67,140
	\$	3,555	9,037	...	12,642
Satin white.....	lb.	...	2,505,122	...	2,505,122
	\$	...	38,315	...	38,315
Ultramarine blue, dry or in pulp.....	lb.	232,333	144,573	112,969	509,880
	\$	30,273	21,180	15,258	66,711
Zinc white, zinc oxide.....	lb.	308,295	15,611,440	3,132,737	19,052,472
	\$	17,926	1,029,996	200,746	1,248,668
<u>Mineral Earth Pigments</u>					
Ochres, ochrey earths, siennas and umbers.....	lb.	311,876	5,131,577	1,526,795	6,990,248
	\$	8,303	85,103	23,185	121,698
Putty.....	\$	62,475	19,146	9,289	90,910
Gold liquid paint.....	\$	103	11,160	2,857	14,125
Liquid fillers, anti-corrosive and anti- fouling paints, and ground in liquid paints, n.o.p.....	gal.	154,351	331,177	9,908	495,436
	\$	186,394	430,266	19,075	635,735
Paints and colours, ground in spirits, and all spirit varnishes and lacquers.....	gal.	862	32,905	161	33,928
	\$	2,315	93,623	731	96,669
Varnish, lacquers, japans, japan dryers, liquid dryers, and oil finish, n.o.p.....	gal.	27,302	116,390	677	144,369
	\$	43,231	214,304	1,730	259,765
<b>TOTAL PAINTS, PIGMENTS AND VARNISHES...</b>	<b>\$</b>	<b>966,732</b>	<b>4,434,993</b>	<b>819,435</b>	<b>6,221,160</b>







Table C.- EXPORTS OF PAINTS, PIGMENTS AND VARNISHES FROM CANADA, 1929.

Item	Unit of measure	To Great Britain	To United States	To Other Countries	TOTAL
Mineral pigments, iron oxides, ochres, etc.....	cwt.	136	22,133	...	22,269
	\$	448	42,106	...	42,554
White lead, dry or in oil.....	cwt.	...	1	524	525
	\$	...	18	4,986	5,004
Paints, n.o.p.....	\$	123,426	17,585	261,813	402,824
Putty.....	cwt.	80	...	855	935
	\$	1,120	...	2,760	3,880
Varnish.....	gal.	859	163	21,102	22,124
	\$	2,799	306	33,059	36,164
TOTAL.....	\$	127,793	60,013	302,618	490,426

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