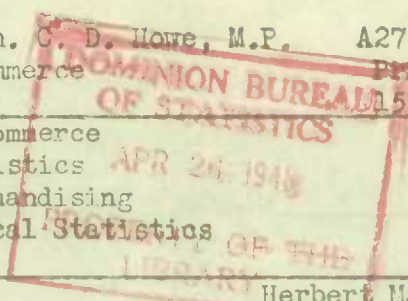


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Annual Industry Report Chemicals and Allied Products Group

THE INKS INDUSTRY, 1946

Output of printing inks in 1946 was reported at 15,891,841 pounds valued at \$5,221,522 as against 12,502,374 pounds at \$3,998,471 for 1945, and the value of writing inks was \$310,230 compared with \$416,924 in 1945.

Printing inks were manufactured in 18 different plants in 1946, distributed, by provinces, as follows: 3 in Quebec, 14 in Ontario and 1 in British Columbia. The total production of these concerns was valued at \$5,520,198 including some printers' rollers and other products as well as printing inks. Employees numbered 525 and salaries and wages for the year amounted to \$1,174,743. Materials for manufacturing cost \$2,443,337 and fuel and electricity cost \$53,768 delivered at the works. Output included 15,877,391 pounds of printing inks at \$5,204,372, printers' rollers at \$345,765, and miscellaneous products worth \$36,643.

Four other establishments -- 1 in Manitoba, 2 in Quebec, and 1 in New Brunswick -- made printers' rollers but no inks. Only 20 workers were employed in these plants and their total output, valued at \$66,582, included rollers at \$62,528. Including the output from concerns which made printing inks as well as rollers, the total production of the latter was \$345,765 in 1946.

Writing inks were made in 3 factories in Quebec, 3 in Ontario, 1 in Manitoba and 1 in British Columbia, a total of 8 establishments, which employed 108 persons and made goods valued at \$657,868. Production included writing inks at \$310,230, mucilage and paste at \$88,509, and miscellaneous articles at \$259,129.

For the entire group, there were 30 establishments which employed 653 workers and produced goods valued at \$6,244,648.

Imports of inks in 1946 included 692,844 pounds of printing inks valued at \$363,085; 20,397 pounds of rotogravure inks at \$9,637 and writing inks valued at \$40,360.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1936-1946

Year	Number of plants	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 .....	33	533	855,722	37,863	1,225,072	3,082,042
1937 .....	31	520	882,449	37,053	1,278,720	3,270,506
1938 .....	31	530	918,535	38,108	1,250,000	3,180,990
1939 .....	33	543	956,165	41,842	1,465,418	3,454,951
1940 .....	33	585	1,076,473	47,604	1,601,868	3,799,179
1941 .....	33	623	1,204,263	47,454	2,264,748	4,774,284
1942 .....	34	596	1,221,692	45,802	2,089,757	4,797,245
1943 .....	32	571	1,283,869	41,837	1,920,857	4,657,465
1944 .....	31	616	1,303,120	46,471	2,019,380	4,740,061
1945 .....	31	641	1,341,553	46,571	2,138,428	5,037,168
1946 .....	30	653	1,330,097	59,062	2,770,760	6,244,648
Per cent change, 1946 from 1945 .....	..	+1.8	-0.9	+25.5	+29.6	+23.9

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

Table 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1942-1946

Year	Number of plants	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
			\$	\$	\$	\$
<u>Printing Inks and Printers' Rollers</u>						
1942 .....	22	485	1,086,350	41,845	1,751,840	4,117,628
1943 .....	22	449	1,131,283	37,534	1,516,947	3,827,829
1944 .....	21	490	1,153,754	41,618	1,649,974	4,006,467
1945 .....	20	504	1,160,489	41,574	1,779,809	4,317,137
1946 .....	22	545	1,174,743	53,768	2,443,337	5,586,780
<u>Writing Inks</u>						
1942 .....	12	111	135,342	3,957	337,917	679,617
1943 .....	10	122	152,586	4,303	403,910	829,636
1944 .....	10	126	149,366	4,853	369,406	733,594
1945 .....	11	137	181,064	4,997	358,619	720,031
1946 .....	8	108	155,354	5,294	327,423	657,868
<u>TOTAL</u>						
1942 .....	34	596	1,221,692	45,802	2,089,757	4,797,245
1943 .....	32	571	1,283,869	41,837	1,920,857	4,657,465
1944 .....	31	616	1,303,120	46,471	2,019,380	4,740,061
1945 .....	31	641	1,341,553	46,571	2,138,428	5,037,168
1946 .....	30	653	1,330,097	59,062	2,770,760	6,244,648

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1945 and 1946

Year	Number of plants	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
			\$	\$	\$	\$
<u>1945</u>						
Quebec .....	8	111	178,494	8,045	327,906	751,263
Ontario .....	18	502	1,127,069	37,065	1,745,112	4,173,223
Manitoba ....	2)					
British Columbia ...	2)	28	35,990	1,461	65,410	112,682
New Brunswick	1)					
Canada..	31	641	1,341,553	46,571	2,138,428	5,037,168
<u>1946</u>						
Quebec .....	8	112	164,087	8,100	338,641	801,053
Ontario .....	17	516	1,127,726	49,458	2,366,346	5,334,724
Manitoba ....	2)					
British Columbia ...	2)	25	38,284	1,504	65,773	108,871
New Brunswick	1)					
Canada..	30	653	1,330,097	59,062	2,770,760	6,244,648

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1945 and 1946

Provinces	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		Total			
	Male	Female	Male	Female				
						\$	\$	\$
<u>1945</u>								
Quebec .....	22	13	47	29	111	81,982	96,512	178,494
Ontario .....	142	68	254	38	502	651,350	475,719	1,127,069
Other provinces	8	2	16	2	28	17,817	18,173	35,990
Canada ...	172	83	317	69	641	751,149	590,404	1,341,553
<u>1946</u>								
Quebec .....	25	13	50	24	112	67,423	96,664	164,087
Ontario .....	99	55	333	29	516	490,376	637,350	1,127,726
Other provinces	8	2	13	2	25	20,146	18,138	38,284
Canada ...	132	70	396	55	653	577,945	752,152	1,330,097

Table 5 - WAGE-EARNERS, BY MONTHS, 1945 and 1946 (Number on payroll on the last work day each month)

Month	1945			1946		
	Male	Female	Total	Male	Female	Total
	(Number)					
January .....	291	74	365	394	57	451
February .....	296	68	364	394	59	453
March .....	297	68	365	397	66	463
April .....	296	74	370	407	62	469
May .....	288	74	362	388	62	450
June .....	302	70	372	400	62	462
July .....	317	68	385	400	55	455
August .....	316	73	389	392	48	440
September .....	315	76	391	395	44	439
October .....	347	71	418	397	47	444
November .....	366	73	439	406	45	451
December .....	365	67	432	409	42	451
AVERAGE .....	317	69	386	396	55	451

Table 6 - FUEL AND ELECTRICITY USED, 1945 and 1946

Kind	Unit of measure	1945		1946	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian	ton	485	4,481	124	1,194
Imported	ton	526	4,955	725	7,074
Anthracite coal .....	ton	248	2,754	128	1,667
Coke .....	ton	12	177	4	53
Gasoline .....	Imp.gal.	6,858	2,246	19,746	6,394
Kerosene .....	Imp.gal.	1,046	186	883	165
Fuel oil .....	Imp.gal.	39,601	4,075	92,600	7,972
Wood .....	cord	10	73	2	28
Gas - Manufactured .....	M cu.ft.	847	922	1,955	1,919
Natural .....	M cu.ft.	...	...	100	92
Other fuel .....	...	...	147	...	105
Electricity purchased ....	K.W.H.	1,435,278	26,555	1,957,177	32,399
TOTAL .....	...	...	46,571	...	59,062

Table 7 - POWER EQUIPMENT, 1945 and 1946

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
	<u>1945</u>			
Gasoline, gas and oil engines .....	1	4	...	...
Electric motors operated by purchased power .....	325	2,412	6	71
TOTAL .....	326	2,416	6	71
Stationary power boilers .....	3	180	1	50
	<u>1946</u>			
Gasoline, gas and oil engines .....	1	4	...	...
Electric motors operated by purchased power .....	408	2,823	6	71
TOTAL .....	409	2,827	6	71
Stationary power boilers .....	3	205	1	75

Inks

Table 8 - MATERIALS USED IN MANUFACTURING, 1945 and 1946

Material	Unit of measure	1 9 4 5		1 9 4 6	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Carbon black .....	lb.	1,053,068	80,996	949,025	80,911
Dry colours .....	lb.	1,584,185	748,809	1,939,309	922,326
Glue .....	lb.	88,553	23,775	84,914	23,891
Glycerine .....	lb.	164,073	26,511	167,891	28,638
Gums .....	lb.	480,256	84,430	860,149	178,321
Oils--Castor .....	gal.	2,394	3,163	4,071	9,714
Chinawood (Tung) .....	lb.	442	261	20,055	8,590
Cottonseed .....	lb.	3,370	621	1,264	246
Linseed .....	Imp.gal.	73,833	72,775	93,072	103,854
Other oils .....	...	...	95,528	...	143,353
Starch .....	lb.	168,954	11,919	166,896	12,245
Varnishes .....	Imp.gal.	194,292	244,215	258,343	319,135
Wax--Beeswax .....	lb.	2,850	976	6,316	2,837
Carnauba .....	lb.	3,371	3,490	4,241	4,151
Paraffin .....	lb.	28,264	2,300	77,987	8,642
Other .....	...	...	5,554	15,990	5,391
All other materials .....	...	...	517,654	...	697,049
Containers, packing materials	...	...	215,451	...	221,466
TOTAL .....	...	...	2,138,428	...	2,770,760

Table 9 - PRODUCTS MADE, 1945 and 1946

Products	Unit of measure	1 9 4 5		1 9 4 6	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Printer's inks -					
Newspaper .....	lb.	8,501,316	1,809,656	10,406,449	2,117,486
Lithographing .....	lb.	2,198,646	1,406,376	2,848,795	1,836,377
Other .....	lb.	1,802,412	782,439	2,636,597	1,267,759
Writing inks -					
Liquid .....	lb.	1,180,178	322,311	814,420	251,870
Powders and pellets.	lb.	292,335	94,613	134,840	58,360
Printers' rollers ....	lb.	496,789	298,573	615,220	345,765
Mucilage .....	...	...	33,277	...	47,749
Paste .....	...	...	57,644	...	43,193
All other products (x)	...	...	232,279	...	276,089
TOTAL .....	...	...	5,037,168	...	6,244,648

(x) Includes carbon paper, typewriter ribbons, rubber stamp pads, stains, colours, and other commodities made as minor products by the ink manufacturers.

## Inks

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Table 10 - TOTAL PRODUCTION OF PRINTING INKS AND PRINTERS' ROLLERS IN CANADA, 1936-1946

Year	Printing Inks		Printers' rollers and composition \$
	Pounds	\$	
1936 .....	9,805,286	2,387,307	244,745
1937 .....	10,244,467	2,519,431	267,867
1938 .....	9,353,410	2,448,710	255,784
1939 .....	9,155,170	2,692,717	255,011
1940 .....	9,793,866	2,984,333	277,391
1941 .....	11,091,468	3,767,697	298,438
1942 .....	10,390,510	3,683,455	257,724
1943 .....	10,410,295	3,510,822	246,795
1944 .....	10,432,495	3,582,309	253,714
1945 .....	12,502,374	3,998,471	298,573
1946 .....	15,891,841	5,221,522	345,765

Table 11 - TOTAL PRODUCTION OF WRITING INKS IN CANADA, 1936-1946

Year	Selling value at works \$
1936 .....	262,790
1937 .....	268,952
1938 .....	257,369
1939 .....	271,374
1940 .....	276,330
1941 .....	380,129
1942 .....	419,524
1943 .....	556,627
1944 .....	448,279
1945 .....	416,924
1946 .....	310,230

Table 12 - IMPORTS OF INKS IN CANADA, 1945 and 1946

	1945		1946	
	Quantity lb.	Value \$	Quantity lb.	Value \$
Printing ink -				
From: United Kingdom .....	90,584	71,642	202,778	138,512
United States .....	417,362	194,765	489,868	224,045
Netherlands .....	...	...	198	528
Total .....	507,946	266,407	692,844	363,085
Rotogravure ink -				
From: United States .....	11,559	5,298	20,397	9,637
Total .....	11,559	5,298	20,397	9,637
Writing ink -				
From: United Kingdom .....	...	4,310	...	2,858
United States .....	...	35,032	...	37,228
Hong Kong .....	...	...	...	126
Netherlands .....	...	...	...	148
Total .....	...	39,342	...	40,360

## LIST OF FIRMS IN THE INKS INDUSTRY, 1946

Name of Firm	Address
(a) <u>Writing Inks</u>	
<u>Quebec</u> -	
Carter's Ink Company of Canada Ltd.	4501 Drolet St., Montreal
La Cie Techno Chimique Masse	2060 rue St. Joseph, Lachine
L.E. Waterman Co. Ltd.	263 St. James St., Montreal
<u>Ontario</u> -	
Blue Bird Ink Company Limited	124 Richmond St. W., Toronto
Poole, J.E., Company	18 Holly St., Toronto
Reeves, L.A., Ink Co.	215-217 Niagara St. W., Toronto
<u>Manitoba</u> -	
Reliance Ink Co. Limited	520 McGee St., Winnipeg
<u>British Columbia</u> -	
Peerless Products Limited	2233 Yukon St., Vancouver
(b) <u>Printing Inks and Printers' Rollers</u>	
<u>New Brunswick</u> -	
Johnson, Ensley B. (x)	45 Kennedy St., Saint John
<u>Quebec</u> -	
Bedwell & Company	3415 Colonial Ave., Montreal
Levey, F. H., Company (Canada) Ltd.	7147 Park Ave., Montreal
Printercraft Supply Co. (x)	130 McGill St., Montreal
Robertson, J.S. (x)	175 Lagauchetiere St. W., Montreal
Frontenac Ink Works Ltd.	989 Cote St., Montreal
<u>Ontario</u> -	
Ault & Wiborg Co. of Canada Ltd.	82 Peter St., Toronto
Bush-Federal Ltd.	105 Davenport Rd., Toronto
Canada Printing Ink Company Limited	15 Duncan St., Toronto
Canadian Fine Color Co. Limited	240 Logan Ave., Toronto
Dominion Printing Ink & Colour Co. Limited	128 Pears Ave., Toronto
General Printing Ink Corp. of Canada Ltd.	London, and 821 Queen St. E., Toronto
Manton Brothers Limited	97-105 Elizabeth St., Toronto
Markrite Manufacturing Company	356 Bay St., Toronto
Phoenix Ink Works	44 Lombard St., Toronto
Rieger Printing Ink Company Limited	100 Montcalm Ave., Toronto
Sinclair and Valentine Co. of Canada Limited	233 Richmond St. W., Toronto
Toronto Star Limited	80 King St. W., Toronto
Winstone, B., & Sons (Canada) Limited	140 Kendal Ave., Toronto
<u>Manitoba</u> -	
Printers' Roller Co. (x)	175 McDermot Ave., Winnipeg
<u>British Columbia</u> -	
Columbia Printing Ink & Roller Co. Ltd.	1350 Hornby St., Vancouver
(x) Do not make ink; make printers' rollers.	

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