

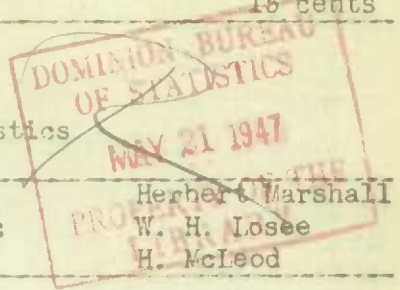
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Published by Authority of the Hon. James A. MacKinnon, M.P. A31-29-4-47  
Minister of Trade and Commerce

Price -  
15 cents

Department of Trade and Commerce  
Dominion Bureau of Statistics  
Census of Industry  
Mining, Metallurgical and Chemical Statistics  
Ottawa - Canada



Dominion Statistician:  
Director - Division of Census of Industry and Merchandising:  
Chief - Mining, Metallurgical and Chemical Statistics:

Herbert Marshall  
W. H. Losee  
H. McLeod

Annual Industry Report

Chemicals and Allied Products Group

THE INKS INDUSTRY, 1945

Output of printing inks in 1945 was reported at 12,502,374 pounds valued at \$3,998,471 as against 10,432,495 pounds at \$3,582,309 for 1944, and the value of writing inks was \$416,924 compared with \$448,279 in 1944.

Printing inks were manufactured in 16 different plants in 1945, distributed, by provinces, as follows: 3 in Quebec, 12 in Ontario and 1 in British Columbia. The total production of these concerns was valued at \$4,255,345, including some printers' rollers and other products as well as printing inks. Employees numbered 487 and salaries and wages for the year amounted to \$1,134,123. Materials for manufacturing cost \$1,769,174 and fuel and electricity cost \$40,192 delivered at the works. Output included 12,485,023 pounds of printing inks at \$3,983,278, printers' rollers at \$240,933, and miscellaneous products worth \$31,134.

Four other establishments—1 in Manitoba, 2 in Quebec, and 1 in New Brunswick—made printers' rollers but no inks. Only 17 workers were employed in these plants and their total output, valued at \$61,792, included rollers at \$57,640. Including the output from concerns which made printing inks as well as rollers, the total production of the latter was \$298,573 in 1945.

Writing inks were made in 3 factories in Quebec, 6 in Ontario, 1 in Manitoba and 1 in British Columbia, a total of 10 establishments, which employed 137 persons and made goods valued at \$720,031. Production included writing inks at \$416,924, mucilage and paste at \$88,900, and miscellaneous articles at \$214,207.

For the entire group, there were 31 establishments which employed 641 workers and produced goods valued at \$5,037,168.

Imports of inks in 1945 included 507,946 pounds of printing inks valued at \$266,407; 11,559 pounds of rotogravure inks at \$5,298 and writing inks valued at \$39,342.

Note: This report was prepared by Mr. J. J. Parchelo, Statistician, Metal and Chemical Products.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1935-1945

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
			\$	\$	\$	\$
1935 .....	31	495	777,281	35,461	1,081,695	2,886,853
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
Per cent change, 1945 from 1944 .....	..	+4.0	+2.9	+0.2	+5.9	+6.3

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, 1941-1945

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>						
1941 .....	22	516	1,082,859	42,924	1,935,259	4,142,474
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
<u>Writing Inks</u>						
1941 .....	11	107	121,404	4,530	329,489	631,810
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
<u>TOTAL</u>						
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

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1944 and 1945

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>1944</u>						
Quebec .....	8	97	151,680	5,719	319,249	731,938
Ontario .....	19	491	1,114,689	39,393	1,638,461	3,896,055
Manitoba ....	2)					
British Columbia ...	)	28	36,751	1,369	61,670	112,068
Canada ...	31	616	1,303,120	46,471	2,019,380	4,740,061
<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 ...	)	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

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1944 and 1945

Provinces	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		Total			
	Male	Female	Male	Female				
<u>1944</u>								
Quebec.....	18	11	40	29	97	59,996	91,684	151,680
Ontario .....	137	66	237	51	491	659,762	454,927	1,114,689
Other provinces	7	3	16	2	28	18,596	18,155	36,751
Canada ....	162	80	293	81	616	738,354	564,766	1,303,120
<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

Table 5 - WAGE-EARNERS, BY MONTHS, 1944 and 1945 (Number on payroll on the last work day each month)

Month	1944			1945		
	Male	Female	Total	Male	Female	Total
(Number)						
January .....	281	82	363	291	74	365
February .....	286	80	366	296	68	364
March .....	284	84	368	297	68	365
April .....	286	82	368	296	74	370
May .....	291	78	369	298	74	362
June .....	290	81	371	302	70	372
July .....	304	82	386	317	68	385
August .....	295	83	378	316	73	389
September .....	293	79	372	315	76	391
October .....	295	78	373	347	71	418
November .....	310	81	391	366	73	439
December .....	310	82	392	365	67	432
AVERAGE .....	293	81	374	317	69	386

Table 6 - HOURS WORKED PER WEEK, BY WAGE-EARNERS, 1944 and 1945 (In one week of month of highest employment; overtime included)

Hours worked per week	1944		1945	
	Male	Female	Male	Female
	(number)			
30 hours or less .....	9	7	17	10
31-43 hours .....	23	13	40	12
44 hours .....	65	33	82	45
45-47 hours .....	53	35	74	13
48 hours .....	78	3	75	...
49-50 hours .....	11	1	30	...
51-54 hours .....	22	1	40	...
55 hours .....	3	...	7	...
56-64 hours .....	33	1	3	...
65 hours and over .....	15	...	...	...
TOTAL .....	312	94	368	80
Total wages paid in selected week \$	10,088	1,543	10,816	1,250

Table 7 - FUEL AND ELECTRICITY USED, 1944 and 1945

Kind	Unit of measure	1944		1945	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian	ton	622	\$ 5,501	485	\$ 4,481
Imported	ton	628	5,377	526	4,955
Anthracite coal .....	ton	412	3,099	248	2,754
Coke .....	ton	10	139	12	177
Gasoline .....	Imp.gal.	6,735	2,187	6,858	2,246
Kerosene .....	Imp.gal.	6,479	1,083	1,046	186
Fuel oil .....	Imp.gal.	6,866	605	39,601	4,075
Wood .....	cord	11	77	10	73
Gas--Manufactured .....	M cu.ft.	765	766	847	922
Other fuel .....	...	...	795	...	147
Electricity purchased ....	K.W.H.	1,495,498	26,342	1,435,278	26,555
TOTAL .....	...	...	46,471	...	46,571

Table 8 - POWER EQUIPMENT, 1944 and 1945

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1944				
Gasoline, gas and oil engines .....	1	4	...	...
Electric motors operated by purchased power .....	344	2,568	...	...
TOTAL .....	345	2,572	...	...
Stationary power boilers .....	4	230	...	...
1945				
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

Table 9 - MATERIALS USED IN MANUFACTURING, 1944 and 1945

Material	Unit of measure	1 9 4 4		1 9 4 5	
		Quantity	Cost at works	Quantity	Cost at works
		\$		\$	
Carbon black .....	lb.	863,038	60,031	1,053,068	80,996
Dry colours .....	lb.	1,462,328	657,020	1,584,185	748,809
Glue .....	lb.	74,135	21,331	88,553	23,775
Glycerine .....	lb.	138,510	22,951	164,073	26,511
Gums .....	lb.	459,334	69,005	480,256	84,430
Oils--Castor .....	gal.	3,411	4,250	2,394	3,163
Chinawood (Tung) .....	lb.	855	321	442	261
Cottonseed .....	lb.	2,976	584	3,370	621
Linseed .....	Imp.gal.	73,483	70,876	73,833	72,775
Other oils .....	...	...	97,110	...	95,528
Starch .....	lb.	128,792	9,064	168,954	11,919
Varnishes .....	Imp.gal.	184,404	266,677	194,292	244,215
Wax--Beeswax .....	lb.	3,167	1,068	2,850	976
Carnauba .....	lb.	3,515	3,626	3,371	3,490
Paraffin .....	lb.	11,996	1,347	28,264	2,300
Other .....	...	...	9,021	...	5,554
All other materials .....	...	...	503,933	...	517,654
Containers, packing materials .....	...	...	221,165	...	215,451
TOTAL .....	...	...	2,019,380	...	2,138,428

Table 10 - PRODUCTS MADE, 1944 and 1945

Products	Unit of measure	1 9 4 4		1 9 4 5	
		Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$	
Printer's inks -					
Newspaper .....	lb.		)	8,501,316	1,809,656
Lithographing .....	lb.	10,432,495	3,582,309)	2,198,646	1,406,376
Other .....	lb.		)	1,802,412	782,439
Writing inks -					
Liquid .....	lb.		)	948,698	322,311
Powders and pellets.	lb.	1,517,550	448,279)	292,335	94,613
Printers' rollers ....	lb.	389,058	253,714	496,789	298,573
Mucilage .....	...	...	40,111	...	33,277
Paste .....	...	...	47,351	...	57,644
All other products (*)	...	...	368,297	...	232,279
TOTAL .....	...	...	4,740,061	...	5,037,168

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

Table 11 - TOTAL PRODUCTION OF PRINTING INKS AND PRINTERS' ROLLERS IN CANADA, 1935-1945

Year	Printing Inks		Printers' rollers and composition
	Pounds	\$	
1935 .....	9,583,146	2,248,440	220,891
1936 .....	9,805,286	2,387,307	244,745
1937 .....	10,244,467	2,519,431	267,837
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

Table 12 - TOTAL PRODUCTION OF WRITING INKS IN CANADA, 1935-1945

Year	Selling value at works
	\$
1935 .....	251,987
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

Table 13 - IMPORTS OF INKS IN CANADA, 1944 and 1945

	1944		1945	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
Printing ink -				
From: United Kingdom .....	114,350	74,622	90,584	71,642
United States .....	309,154	158,233	417,362	194,765
Total .....	423,504	232,855	507,946	266,407
Rotogravure ink -				
From: United States .....	8,159	3,800	11,559	5,298
Total .....	8,159	3,800	11,559	5,298
Writing ink -				
From: United Kingdom .....	...	3,197	...	4,310
United States .....	...	76,342	...	35,032
Total .....	...	79,539	...	39,342

## LIST OF FIRMS IN THE INKS INDUSTRY, 1945

Name of Firm	Address
(a) <u>Writing Inks</u>	
The Carter's Ink Company of Canada Ltd.	4501 Drolet St., Montreal, Que.
La Cie Techno Chimique Masse	2060 rue St. Joseph, Lachine, Que.
L. E. Waterman Co. Ltd.	263 St. James St., Montreal, Que.
Blue Ribbon Ink Company	623 Queen St. W., Toronto, Ont.
J. E. Poole Company	18 Holly St., Toronto, Ont.
L. A. Reeves Ink Co.	215-217 Niagara St., Toronto, Ont.
Blue Bird Ink Company Limited	124 Richmond St. W., Toronto, Ont.
Markrite Manufacturing Company	356 Bay St., Toronto, Ont.
Reliance Ink Co. Limited	520 McGee St., Winnipeg, Man.
Peerless Products Limited	2233 Yukon St., Vancouver, B.C.
Blue Diamond Products	23 Scott St., Toronto, Ont.
(b) <u>Printing Inks and Printers' Rollers</u>	
Johnson, Ensley B. (*)	45 Kennedy St., Saint John, N.B.
Frontenac Ink Works Ltd.	989 Cote St., Montreal, Que.
J. S. Robertson (*)	175 Lagauchetièrè St. W., Montreal, Que.
Bedwell & Company	3415 Colonial Ave., Montreal, Que.
Printcraft Supply Co. (*)	130 McGill St., Montreal, Que.
Levey, F. H. Company (Canada) Ltd.	7147 Park Ave., Montreal, Que.
The Ault & Wiborg Co. of Canada Ltd.	82 Peter St., Toronto, Ont.
Charles Bush Limited	105 Davenport Road, Toronto, Ont.
The Canada Printing Ink Company Limited	15 Duncan St., Toronto, Ont.
Dominion Printing Ink & Colour Co. Limited	128 Pears Ave., Toronto, Ont.
Manton Brothers Limited	97-105 Elizabeth St., Toronto, Ont.
B. Winstone & Sons (Canada) Limited	140 Kendal Ave., Toronto, Ont.
Sinclair and Valentine Co. of Canada Limited	233 Richmond St. W., Toronto, Ont.
Canadian Fine Color Co. Limited	240 Logan Ave., Toronto, Ont.
Hoops Printing Ink Company Limited	128 Pears Ave., Toronto, Ont.
Federal Inks Limited	539 King St. W., Toronto, Ont.
The General Printing Ink Corp. of Canada Ltd.	821 Queen St. E., Toronto, Ont.
The Toronto Star Limited	80 King St. W., Toronto, Ont.
Phoenix Ink Works	44 Lombard St., Toronto, Ont.
Printers' Roller Co. (*)	175 McDermot Ave., Winnipeg, Man.
Columbia Printing Ink & Roller Co. Ltd.	1350 Hornby St., Vancouver, B.C.

(\*) Does not make ink; makes printers' rollers.

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