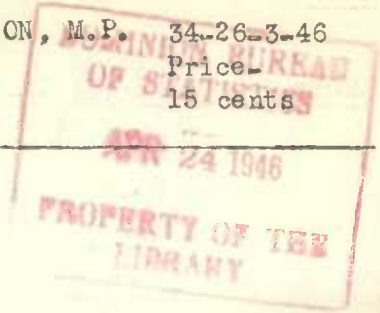


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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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ANNUAL INDUSTRY REPORT

CHEMICALS AND ALLIED PRODUCTS GROUP

THE INKS INDUSTRY, 1944

Output of printing inks in 1944 was reported at 10,432,495 pounds valued at \$3,582,309 as against 10,410,295 pounds at \$3,510,822 for last year, and the value of writing inks was \$448,279 compared with \$556,627 in 1943.

Printing inks were manufactured in 18 different plants in 1944 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 \$3,952,944 including some printers' rollers and other products as well as printing inks. Employees numbered 475 and salaries and wages for the year amounted to \$1,124,356. Materials for manufacturing cost \$1,641,211 and fuel and electricity cost \$40,785 delivered at the works. Output included 10,418,165 pounds of printing inks at \$3,572,028, printers' rollers at \$205,169, and miscellaneous products worth \$180,725.

Three other establishments--1 in Manitoba, and 2 in Quebec--made printers' rollers but no inks. Only 15 workers were employed in these plants and their total output valued at \$53,523 included rollers at \$48,545. Including the output from concerns which made printing inks as well as rollers, the total production of the latter was \$253,714 in 1944.

Writing inks were made in 3 factories in Quebec, 5 in Ontario, 1 in Manitoba and 1 in British Columbia, a total of 10 establishments, which employed 126 persons and made goods valued at \$733,594. Production included writing inks at \$448,279, mucilage and paste at \$87,462, and miscellaneous articles at \$197,853.

For the entire group, there were 31 establishments which employed 616 workers and produced goods valued at \$4,740,061.

Imports of inks in 1944 included 423,504 pounds of printing inks valued at \$232,855; 8,159 pounds of rotogravure inks at \$3,800 and writing inks valued at \$79,539.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1934-1944

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
			\$	\$	\$	\$
1934 ..	28	438	705,792	32,539	959,826	2,411,001
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

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, 1940-1944

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
			\$	\$	\$	\$
PRINTING INKS AND PRINTERS' ROLLERS						
1940 ..	22	487	968,988	42,852	1,362,563	3,319,895
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
WRITING INKS						
1940 ..	11	98	107,485	4,752	239,305	479,284
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
TOTAL						
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

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1943 and 1944

Year	Number of plants	Average		Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		number of employees	Salaries and wages			
				\$	\$	\$
1943						
Quebec	8	94	159,051	3,489	339,825	716,405
Ontario	19	449	1,087,602	36,991	1,512,767	3,820,140
Manitoba	2)					
New Brunswick ..	1)					
British Columbia	2)	28	37,216	1,357	68,265	120,920
CANADA	32	571	1,283,869	41,837	1,920,857	4,657,465
1944						
Quebec	8	97	151,680	5,719	319,249	731,938
Ontario	19	491	1,114,689	39,383	1,638,461	3,896,055
Manitoba	2)					
British Columbia	2)	28	36,751	1,369	61,670	112,068
CANADA	31	616	1,303,120	46,471	2,019,380	4,740,061

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1943 and 1944

Provinces	Average Number of Employees				TOTAL	Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages					
	Male	Female	Male	Female				
					\$	\$	\$	
1943								
Quebec	17	17	38	26	94	68,897	90,154	159,051
Ontario	127	54	225	43	449	661,049	426,553	1,087,602
Other provinces ..	8	2	14	4	28	19,501	17,715	37,216
CANADA	152	69	277	73	571	749,447	534,422	1,283,869
1944								
Quebec	18	11	40	28	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	18,598	18,155	36,751
CANADA	162	80	293	81	616	738,354	564,766	1,303,120

Table 5 - WAGE-EARNERS, BY MONTHS, 1943 and 1944. (Number on payroll on the last work day each month)

Month	1943			1944		
	Male	Female	TOTAL	Male	Female	TOTAL
	No.	No.	No.	No.	No.	No.
January.....	281	53	334	281	82	363
February.....	283	60	343	286	80	366
March.....	279	64	343	284	84	368
April.....	274	72	346	286	82	368
May.....	263	71	334	291	78	369
June.....	286	81	367	290	81	371
July.....	280	82	362	304	82	386
August.....	281	83	364	295	83	378
September.....	267	74	341	293	79	372
October.....	268	76	344	295	78	373
November.....	278	85	363	310	81	391
December.....	279	87	366	310	82	392
AVERAGE	277	73	350	293	81	374

Inks

Table 6 - HOURS WORKED PER WEEK, BY WAGE-EARNERS, 1943 and 1944 (In one week of month of highest employment; overtime included)

Hours worked per week	1 9 4 3		1 9 4 4	
	Male	Female	Male	Female
	No.	No.	No.	No.
30 hours or less	13	10	9	7
31-43 hours	12	12	23	13
44 hours	73	13	65	33
45-47 hours	59	48	53	35
48 hours	79	5	78	3
49-50 hours	10	..	11	1
51-54 hours	26	7	22	1
55 hours	1	..	3	..
56-64 hours	23	..	33	1
65 hours and over	11	..	15	..
TOTAL	307	95	312	94
Total wages paid in selected week \$	9,142	1,463	10,088	1,543

Table 7 - FUEL AND ELECTRICITY USED, 1943 and 1944

Kind	Unit of measure	1 9 4 3		1 9 4 4	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal--Canadian	ton	694	6,189	622	5,501
Imported	ton	745	6,652	628	5,877
Anthracite coal	ton	115	1,233	412	3,099
Coke	ton	7	92	10	139
Gasoline	Imp. gal.	6,372	2,170	6,735	2,187
Kerosene	Imp. gal.	626	126	6,479	1,083
Fuel oil	Imp. gal.	695	87	6,866	605
Wood	cord	12	104	11	77
Gas--Manufactured	M cu. ft.	927	965	765	766
Other fuel .....	...	...	60	...	795
Electricity purchased ...	K. W. H.	1,398,069	24,137	1,495,498	26,342
TOTAL .....	...	...	41,837	...	46,471

Table 8 - POWER EQUIPMENT, 1943 and 1944

Kind	1 9 4 3		1 9 4 4	
	Number of units	Total rated horse power	Number of units	Total rated horse power
	Gasoline, gas and oil engines	1	4	1	4
Electric motors operated by purchased power	308	2,267	344	2,568
TOTAL	309	2,271	345	2,572
Stationary power boilers	7	266	4	250

Table 9 - MATERIALS USED IN MANUFACTURING, 1943 and 1944

Material	Unit of measure	1 9 4 3		1 9 4 4	
		Quantity	Cost at works	Quantity	Cost at works
Carbon black	lb.	832,509	68,203	863,038	60,031
Dry colours	lb.	1,251,151	607,649	1,462,328	657,020
Glue	lb.	74,405	20,939	74,135	21,331
Glycerine	lb.	144,283	26,148	138,510	22,951
Gums	lb.	461,785	72,244	459,334	69,005
Oils--Castor	gal.	3,262	3,493	3,411	4,250
Linseed	gal.	55,029	63,867	73,483	70,876
Other .....	...	...	83,537	...	98,015
Starch	lb.	129,083	9,085	128,792	9,064
Varnishes	Imp. gal.	205,921	262,212	184,404	266,677
Wax of all kinds	lb.	41,859	12,734	39,415	15,062
All other materials .....	...	...	451,760	...	503,933
Bottles, tops, brushes, etc. ....	...	...	238,986	...	221,165
TOTAL .....	...	...	1,920,857	...	2,019,380

Table 10 - PRODUCTS MADE, 1943 and 1944

Products	1 9 4 3		1 9 4 4	
	Quantity	Selling value at works	Quantity	Selling value at works
Inks, printing (including inks for mimeographing and lithographing). lb.	10,410,295	3,510,822	10,432,495	3,582,309
Inks, writing	556,627	1,517,550	448,279
Printers' rollers and composition.	246,795	...	253,714
All other products (x)	343,221	...	455,759
TOTAL	4,657,465	...	4,740,061

(x) Includes carbon paper, mucilage, paste, 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, 1934-1944

Year	Printing Inks		Printers' rollers and composition
	Pounds		
1934	8,476,108	1,949,573	196,255
1935	9,588,146	2,248,440	220,391
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

Table 12 - TOTAL PRODUCTION OF WRITING INKS IN CANADA, 1934-1944

Year	Selling value at works
	↓
1934	273,471
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

Table 13 - IMPORTS OF INKS IN CANADA, 1943 and 1944

	1 9 4 3		1 9 4 4	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
Printing Ink - From United Kingdom	110,007	79,907	114,350	74,622
United States	326,041	145,043	309,154	158,233
TOTAL	436,048	224,950	423,504	232,855
Rotogravure Ink -				
From United States	4,428	2,184	8,159	3,800
TOTAL	4,428	2,184	8,159	3,800
Writing Ink - From United Kingdom	...	3,593	...	3,197
United States	...	33,355	...	76,342
TOTAL .....	...	36,948	...	79,539

LIST OF FIRMS IN THE INKS INDUSTRY, 1944

Name of firm	Address
<u>(a) Writing Inks</u>	
The Carter's Ink Company of Canada Ltd.	4501 Drolet St., Montreal, Que.
La Cie Techno Chimique Masse	366 rue St. Joseph, Lachine, Que.
L. E. Waterman Co. Ltd.	263 St. James St., St. Lambert, 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.	26 Soho 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.
<u>(b) Printing Inks and Printers' Rollers</u>	
Frontenac Ink Works Ltd.	989 Cote St., Montreal, Que.
(x) J. S. Robertson	175 Lagachetiere St. W., Montreal, Que.
Bedwell & Company	3415 Colonial Ave., Montreal, Que.
(x) 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.
E. 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 Mimeograph Company Limited	189 John St., 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.
(x) Printers' Roller Co.	175 McDermot Ave., Winnipeg, Man.
Columbia Printing Ink & Roller Co. Ltd.	1350 Hornby St., Vancouver, B.C.

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



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