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ANNUAL INDUSTRY REPORT - CHEMICALS AND ALLIED PRODUCTS GROUP

THE INKS INDUSTRY, 1938

Production of printing inks in Canada declined 9 per cent in quantity and 3 per cent in value in 1938 compared with 1937 and writing inks dropped 4 per cent in value. Output of printing inks was reported at 9,353,410 pounds valued at \$2,448,710 as against 10,244,467 pounds at \$2,519,451 for last year, and the value of writing inks was \$257,369 compared with \$268,952 in 1937.

Printing inks were manufactured in 17 different plants in 1938, distributed by provinces, as follows: 3 in Quebec, 13 in Ontario and 1 in British Columbia. The total production of these concerns was valued at \$2,709,220 including some printers' rollers and other products as well as printing inks. Employees numbered 420 and salaries and wages for the year amounted to \$785,069. Materials for manufacturing cost \$1,031,171 and fuel and electricity cost \$32,994 delivered at the works. Output included 9,353,410 pounds of printing inks at \$2,448,710, printers' rollers at \$205,855 and miscellaneous products worth \$54,655.

Four other establishments, 1 in New Brunswick, 1 in Manitoba, and 2 in Quebec, made printers' rollers only. Only 15 workers were employed in these plants and their output of rollers was valued at \$49,929.

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 95 persons and made goods valued at \$421,841. Production included writing inks at \$257,369, mucilage and paste at \$81,989, and miscellaneous articles at \$82,483.

For the entire group there were 31 establishments which employed 530 workers and produced goods valued at \$3,180,990.

Imports of printing inks amounted to 550,884 pounds valued at \$221,505 in 1938, and writing inks brought in from other countries were appraised at \$25,260.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1929 - 1938

Years	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
		\$		\$	\$	\$	\$
1929	22	2,597,263	392	785,778	29,918	1,097,315	3,038,049
1930	22	2,457,836	376	748,704	26,036	995,253	2,559,316
1931	23	2,319,662	370	709,375	26,320	762,112	2,309,062
1932	24	2,495,373	373	671,625	30,567	737,023	2,153,652
1933	28	2,398,155	394	643,063	31,313	758,700	2,106,436
1934	28	2,585,617	438	705,792	32,539	959,826	2,411,001
1935	31	2,723,672	495	777,281	35,461	1,081,695	2,886,853
1936	33	2,965,168	533	855,722	37,863	1,225,072	3,082,042
1937	31	2,921,173	520	882,449	37,053	1,278,720	3,270,506
1938	31	2,764,654	530	918,535	38,108	1,250,000	3,180,990

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, 1934 - 1938

Years	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
		\$		\$	\$	\$	\$

PRINTING INKS AND PRINTERS' ROLLERS

1934	21	2,374,586	369	635,205	28,468	840,165	2,155,177
1935	21	2,432,499	399	675,438	31,275	899,425	2,494,571
1936	22	2,574,704	428	749,360	32,827	1,026,665	2,641,932
1937	21	2,535,284	418	776,253	32,567	1,065,989	2,838,258
1938	21	2,436,769	435	810,937	33,771	1,038,413	2,759,149

WRITING INKS

1934	7	211,031	69	70,587	4,071	119,661	255,824
1935	10	291,173	96	101,843	4,186	182,270	392,282
1936	11	390,464	105	106,362	5,036	198,407	440,110
1937	10	385,889	102	106,196	4,486	212,731	432,248
1938	10	327,885	95	107,598	4,337	211,587	421,841

TOTAL

1934	28	2,585,617	438	705,792	32,539	959,826	2,411,001
1935	31	2,723,672	495	777,281	35,461	1,081,695	2,886,853
1936	33	2,965,168	533	855,722	37,863	1,225,072	3,082,042
1937	31	2,921,173	520	882,449	37,053	1,278,720	3,270,506
1938	31	2,764,654	530	918,535	38,108	1,250,000	3,180,990

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1937 and 1938

Years	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
		\$		\$	\$	\$	\$
<u>1937</u>							
Quebec	8	343,017	84	98,793	4,528	129,288	401,387
Ontario	18	2,490,956	411	755,075	31,448	1,105,157	2,788,572
Manitoba	2)						
New Brunswick ..	1)	87,200	25	28,581	1,077	44,275	80,547
British Columbia	2)						
CANADA	31	2,921,173	520	882,449	37,053	1,278,720	3,270,506
<u>1938</u>							
Quebec	8	297,583	80	110,305	4,204	126,375	399,292
Ontario	18	2,389,646	428	781,981	32,825	1,079,281	2,700,149
New Brunswick ..	1)						
Manitoba	2)	77,425	22	26,249	1,079	44,344	81,549
British Columbia	2)						
CANADA	31	2,764,654	530	918,535	38,108	1,250,000	3,180,990

Table 4 - CAPITAL EMPLOYED, BY PROVINCES, 1937 and 1938

Provinces	Present value of lands, buildings, machinery, tools and other equipment	Inventory value of materials, fuel, and finished products on hand and stocks in process	Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1937</u>				
Quebec	143,453	75,961	123,603	343,017
Ontario	1,445,136	519,447	526,373	2,490,956
Other provinces	47,617	25,754	13,829	87,200
CANADA	1,636,206	621,162	663,805	2,921,173
<u>1938</u>				
Quebec	134,101	73,997	89,485	297,583
Ontario	1,339,934	505,762	543,950	2,389,646
Other provinces	40,580	23,831	13,014	77,425
CANADA	1,514,615	603,590	646,449	2,764,654

Table 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1938

	Number of plants	Capital employed	Number of employees	Selling value of products at works
		\$		\$
<u>(a) PRODUCTION</u>				
Under \$10,000	6	33,603	15	26,942
\$10,001 to \$25,000	8	131,211	33	114,206
\$25,001 to \$100,000	9	485,184	113	588,630
Over \$100,000	8	2,114,656	369	2,451,212
TOTAL	31	2,764,654	530	3,180,990

Table 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1938 (Concluded)

	Number of plants	Capital employed \$	Number of employees	Selling value of products at works \$
(b) NUMBER OF EMPLOYEES				
1 or 2	6	62,677	9	45,922
3 to 10	11	230,332	62	283,231
11 to 20	8	498,078	127	606,536
Over 20	6	1,973,567	332	2,245,301
TOTAL	31	2,764,654	530	3,180,990
(c) CAPITAL EMPLOYED				
Under \$25,000	13	130,814	46	120,341
\$25,000 to \$100,000	13	730,081	181	944,628
Over \$100,000	5	1,903,759	303	2,116,021
TOTAL	31	2,764,654	530	3,180,990

Table 6 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1937 and 1938

Provinces	Average number of employees					Salaries \$	Wages \$	TOTAL SALARIES and WAGES \$
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
1937								
Quebec	19	10	36	19	84	46,846	51,947	98,793
Ontario	128	36	232	15	411	465,085	289,990	755,075
Other provinces	9	2	14	..	25	16,275	12,306	28,581
CANADA	156	48	282	34	520	528,206	354,243	882,449
1938								
Quebec	18	10	35	17	80	49,527	60,778	110,305
Ontario	135	37	242	14	428	489,815	292,166	781,981
Other provinces	8	1	13	..	22	13,933	12,316	26,249
CANADA	161	48	290	31	530	553,275	365,260	918,535

Table 7 - WAGE-EARNERS, BY MONTHS, 1937 and 1938

Months	1937			1938		
	Male	Female	TOTAL	Male	Female	TOTAL
January	271	28	299	294	30	324
February	271	29	300	292	29	321
March	275	30	303	288	29	317
April	275	32	307	292	33	325
May	278	35	313	285	35	320
June	279	37	316	290	34	324
July	278	33	311	289	36	325
August	286	34	320	293	36	329
September	288	37	325	290	32	322
October	293	36	329	293	30	323
November	296	32	328	291	30	321
December	295	32	327	292	28	320
AVERAGE	282	34	316	290	31	321

Table 8 - FUEL AND ELECTRICITY USED, 1937 and 1938

Kinds	Unit of measure	1 9 3 7		1 9 3 8	
		Quantity	Cost at works	Quantity	Cost at works
		\$		\$	
Bituminous coal - Canadian	short ton	123	764	83	556
Imported	short ton	1,731	10,889	1,289	8,448
Anthracite coal	short ton	135	921	263	1,690
Coke	short ton	5	60	6	72
Gasoline	Imp. gal.	210	42	459	124
Kerosene	Imp. gal.	355	58	2,220	441
Fuel oil	Imp. gal.	2,940	294	28,648	2,121
Wood	cord	7	37	3	19
Gas - Manufactured	M cu. ft.	624	602	1,084	1,080
Other fuel	xxx	...	60	...	80
Electricity purchased	K. W. H.	922,593	23,326	1,167,278	23,477
TOTAL	xxx	...	37,053	...	38,108

Table 9 - POWER EQUIPMENT, 1937 and 1938

Kinds	1 9 3 7		1 9 3 8	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Gasoline, gas and oil engines	2	79	1	4
Total Primary Equipment.	2	79	1	4
Electric motors operated by purchased power	253	1,922	268	2,185
TOTAL	255	2,001	269	2,189
Boilers	8	351	6	296

Table 10 - MATERIALS USED IN MANUFACTURING, 1937 and 1938

Materials	Unit of measure	1 9 3 7		1 9 3 8	
		Quantity	Cost at works	Quantity	Cost at works
		\$		\$	
Carbon black	lb.	901,334	55,416	768,032	36,255
Dry colours	lb.	1,139,136	457,332	1,100,360	406,725
Glue	lb.	88,863	23,059	80,922	19,998
Glycerine	lb.	155,367	31,166	149,497	24,072
Gums	lb.	106,345	14,571	107,092	12,227
Oils	xxx	...	94,623	...	81,498
Starch	lb.	87,315	6,145	76,158	4,771
Varnishes	Imp. gal.	209,590	191,500	199,150	187,394
Wax of all kinds	lb.	22,292	6,366	29,523	7,445
All other materials	xxx	...	199,830	...	279,335
Bottles, tops, brushes, etc.	xxx	...	198,712	...	190,280
TOTAL	xxx	...	1,278,720	...	1,250,000

Table 11 - PRODUCTS MADE, 1937 and 1938

Products	1 9 3 7		1 9 3 8	
	Quantity	Selling value	Quantity	Selling value
	lb.	at works	lb.	at works
Inks, printing, mimeographing and lithographing (1)	10,244,467	2,519,431	9,353,410	2,448,710
Inks, writing	268,952	...	257,369
Printers' rollers & composition	267,867	...	255,784
Mucilage and paste and paste powder	72,145	...	81,989
All other products (2)	142,111	...	137,138
TOTAL	3,270,506	...	3,180,990

(1) Quantities partly estimated.

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

Table 12 - TOTAL PRODUCTION OF PRINTING INKS AND PRINTERS' ROLLERS IN CANADA, 1920 - 1938

Years	Printing inks		Printers' rollers and composition
	Pounds	\$	
1920 .....	...	1,459,054	216,923
1921 .....	...	1,176,056	203,232
1922 .....	...	1,356,262	173,915
1923 .....	...	1,385,492	214,827
1924 .....	...	1,351,008	206,574
1925	4,981,364	1,442,512	214,222
1926	5,687,860	1,554,835	228,976
1927	6,544,532	1,813,977	245,283
1928	7,607,566	2,026,637	280,764
1929	8,146,912	2,153,522	298,107
1930	8,691,735	1,951,245	247,829
1931	7,563,426	1,787,304	209,496
1932	7,218,257	1,679,775	194,860
1933	6,874,128	1,659,641	184,561
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

Table 13 - TOTAL PRODUCTION OF WRITING INKS IN CANADA, 1932 - 1938

Years	Selling value at works
	\$
1932	341,613
1933	285,694
1934	273,471
1935	251,987
1936	262,790
1937	268,952
1938	257,369

Table 14 - IMPORTS OF INKS INTO CANADA, 1937 and 1938

		1	9	3	7	1	9	3	8
		Pounds				Pounds			
		Value				Value			
		\$				\$			
Printing inks	TOTAL	556,640	228,889	549,508	221,119				
	United Kingdom	125,153	73,878	99,390	65,902				
	United States	422,080	151,203	427,692	147,792				
	Other countries ...	9,407	3,808	22,426	7,425				
Writing inks	TOTAL .....	...	31,197	...	25,260				
	United Kingdom ....	...	8,859	...	7,043				
	United States .....	...	20,476	...	16,708				
	Other countries ...	...	1,862	...	...		
Rotagravure ink ...	TOTAL	2,116	1,436	1,376	386				
	United Kingdom	600	782	250	123				
	United States	1,470	571	1,126	263				
	Other countries ...	46	83	...	...		

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1938

Names of Firms

Location of Plants

(a) PRINTING INKS AND ROLLERS

(x) Johnson, Ensley, B. Bedwell and Company Frontenac Ink Works Limited	45 Kennedy St., Saint John, N.B. 3415 Colonial Ave., Montreal, P.Q. 989 Cote St., Montreal, P.Q.
(x) Printcraft Supply Co.	604 William St., Montreal, P.Q.
(x) Robertson, J. S. Thorp-Hambrook Co. Ltd. Ault & Wiborg Co. of Canada, Ltd. Bush, Charles, Limited Canada Printing Ink Company Limited Canadian Fine Color Company Limited Dominion Printing Ink & Color Co. Ltd. Federal Inks Limited General Printing Ink Corp. of Canada Limited Hoops Printing Ink Co. Ltd. Manton Brothers, Ltd. Mimeograph Co. Ltd. Phoenix Ink Works Sinclair & Valentine Co. of Canada, Limited Winstone, B., & Sons (Canada) Limited	175 Lagauchetiere St. W., Montreal, P.Q. 2720 St. Patrick St., Montreal, P.Q. 82 Peter St., Toronto, Ont. 105 Davenport Road, Toronto, Ont. 15 Duncan St., Toronto 2, Ont. 240 Logan Ave., Toronto, Ont. 128 Pears Ave., Toronto, Ont. 40 St. Patrick St., Toronto, Ont. 176 John St., Toronto, Ont. 9 St. Clair Ave. E., Toronto, Ont. 105 Elizabeth St., Toronto, Ont. 189 John St., Toronto, Ont. 44 Lombard St., Toronto, Ont. 233 Richmond St. W., Toronto, Ont. 140 Kendal Ave., Toronto, Ont.
(x) Printers' Roller Co. Columbia Printing Ink & Roller Co.	175 McDermot Ave., Winnipeg, Man. 1350 Hornby St., Vancouver, B.C.

(x) These firms did not manufacture inks but made only printers' rollers.



DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1938
(Concluded)

Names of Firms

Location of Plants

(b) WRITING INKS

Carter's Ink Co.	4501 Drolet St., Montreal, P.Q.
La Cie Techno Chimique Masse	204 St. Joseph St., Lachine, P.Q.
Waterman, L. E., Co. Ltd.	1 Waterman St., St. Lambert, P.Q.
Blue Bird Ink Co. Ltd.	124 Richmond St. W., Toronto, Ont.
Blue Ribbon Ink Co.	623 Queen St. W., Toronto, Ont.
Poole, J. E., & Company	18 Holly St. W., Toronto, Ont.
Reeves, L. A., Ink Co.	26 Soho St., Toronto, Ont.
Sheaffer, W. A., Pen Co. of Canada, Ltd.	169 Fleet St. W., Toronto, Ont.
Reliance Ink Co. Limited	520 McGee St., Winnipeg, Man.
Peerless Products Ltd.	2233 Yukon St., Vancouver, B.C.