

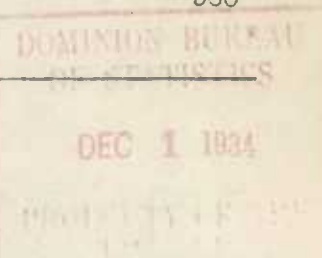
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CHEMICALS AND ALLIED PRODUCTS

THE INKS INDUSTRY, 1933.

Output from the Inks Industry declined 2 per cent in 1933 when the value of production at the factories was \$2,106,436 compared with \$2,153,632 in 1932. Twenty-eight establishments were included in this industry; 20 works made printers' ink or printers' rollers as their chief products and 8 produced writing inks. Capital employed was reported at \$2,398,155, a slight decrease from 1932. Employees numbered 394 compared with 373 for last year but total payments for salaries and wages were lower at \$643,063 against \$671,625 in 1932. The cost of raw materials at the works was \$758,700 and the value added by manufacturing was \$1,347,736.

Printing inks and rollers were manufactured in 20 plants of which 13 were in Ontario, 4 in Quebec, and 1 in each of New Brunswick, Manitoba and British Columbia. Production of printing and lithographic inks amounted to 6,874,128 pounds valued at \$1,659,641 compared with 7,213,257 pounds at \$1,679,775 from the 17 works which were in operation in 1932. Printers' rollers and composition totalled \$184,561 in 1933 compared with \$194,860 in the previous year.

Writing inks were the chief products of 8 factories in 1933 and the output of writing inks from these works was valued at \$144,240, a drop of about 19 per cent from the corresponding figure of \$177,913 for 1932. The total production from these works, including some mucilage, paste, typewriter ribbons, carbon paper, etc., was valued at \$244,946 in 1933.

In addition to the output of writing inks in this industry, there was a production valued at \$146,064 by concerns which made writing inks as minor products and were therefore included in other industrial groups. The total production of writing inks in Canada was \$290,304 in 1933 and \$341,613 in 1932.

Imports of writing inks declined in 1933 to 340,532 pounds at \$165,296 from 568,126 pounds at \$245,247 in 1932. Imports of writing inks also fell off in 1933 when the value was reported at \$27,405 compared with \$29,532 in the previous year.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY IN CANADA, 1929 - 1933.

Years	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
		\$		\$	\$	\$	\$
<u>PRINTING INKS AND ROLLERS -</u>							
1929	16	2,375,227	323	709,794	945,606	2,703,959	1,758,353
1930	16	2,254,555	310	667,639	771,673	2,265,691	1,494,018
1931	16	2,099,511	295	626,572	661,648	2,020,109	1,358,461
1932	17	2,257,141	309	593,511	643,488	1,882,607	1,239,119
1933	20	2,193,172	333	573,477	654,380	1,861,490	1,207,110
<u>WRITING INKS -</u>							
1929	6	222,036	69	75,984	151,709	334,090	182,381
1930	6	203,281	66	81,065	223,580	293,625	70,045
1931	7	220,151	75	82,803	100,464	288,953	188,489
1932	7	238,232	64	78,114	93,535	271,025	177,490
1933	8	204,983	61	69,586	104,320	244,946	140,626
<u>TOTAL -</u>							
1929	22	2,597,263	392	785,778	1,097,315	3,038,049	1,940,734
1930	22	2,457,836	376	748,704	995,253	2,559,316	1,564,063
1931	23	2,319,662	370	709,375	762,112	2,309,062	1,546,950
1932	24	2,495,373	373	671,625	737,023	2,153,632	1,416,609
1933	28	2,398,155	394	643,063	758,700	2,106,436	1,347,736

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1932 and 1933.

Years	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
		\$		\$	\$	\$	\$
<u>1932</u>							
Quebec	4	145,716	46	67,829	32,730	189,858	157,128
Ontario	15	2,257,372	306	576,514	668,070	1,886,610	1,218,540
British Columbia.	1)						
New Brunswick ...	2)	92,285	21	27,282	36,223	77,164	40,941
Manitoba	2)						
CANADA	24	2,495,373	373	671,625	737,023	2,153,632	1,416,609
<u>1933</u>							
Quebec	7	139,664	48	63,091	51,510	182,339	130,829
Ontario	16	2,176,481	327	558,273	673,024	1,858,823	1,185,799
New Brunswick ...	1)						
Manitoba	2)	82,010	19	21,699	34,166	65,274	31,108
British Columbia.	2)						
CANADA	28	2,398,155	394	643,063	758,700	2,106,436	1,347,736

Table 3 - CAPITAL EMPLOYED, 1932 and 1933.

Provinces	Present value	Inventory	Inventory	Operating capital	TOTAL CAPITAL EMPLOYED
	of lands,build- ings, machinery, tools and other equipment	value of materials on hand and stocks in process	value of finished products on hand	(cash, bills and accounts receiv- able, prepaid expenses, etc.)	
	\$	\$	\$	\$	\$
<u>1932</u>					
Quebec	52,062	30,135	7,390	56,129	145,716
Ontario	1,284,863	280,022	92,019	600,468	2,257,372
Other provinces .	38,512	22,082	7,316	24,375	92,285
CANADA	1,375,437	332,239	106,725	680,972	2,495,373
<u>1933</u>					
Quebec	46,251	20,557	10,621	62,235	139,664
Ontario	1,299,291	239,687	145,581	491,922	2,176,481
Other provinces .	38,921	16,926	9,572	16,591	82,010
CANADA	1,384,463	277,170	165,774	570,748	2,398,155

Table 4 - PRINCIPAL STATISTICS ACCORDING TO PRODUCTION, EMPLOYEES AND CAPITAL EMPLOYED, 1932 and 1933.

	Number of	Capital	Number of	Selling value of
	plants	employed	employees	products at works
		\$		\$
<u>(a) PRODUCTION</u>				
Under \$5,000	5	16,173	10	12,723
\$5,000 - \$25,000	6	70,488	18	53,713
\$25,001 - \$50,000	6	189,308	46	194,386
\$50,001 - \$100,000	6	367,371	86	344,607
Over \$100,000	5	1,754,815	234	1,501,007
TOTAL	28	2,398,155	394	2,106,436
<u>(b) EMPLOYEES</u>				
1 or 2	6	51,742	9	29,406
3 - 10	11	211,463	62	242,966
11 - 20	6	388,127	89	390,689
Over 20	5	1,746,823	234	1,443,375
TOTAL	28	2,398,155	394	2,106,436
<u>(c) CAPITAL EMPLOYED</u>				
Under \$25,000	13	121,960	38	124,106
\$25,000 - \$50,000	6	235,554	55	237,538
\$50,001 - \$100,000	4	244,362	71	301,291
Over \$100,000	5	1,796,279	230	1,443,501
TOTAL	28	2,398,155	394	2,106,436

Table 5 - EMPLOYEES, SALARIES AND WAGES, 1932 and 1933.

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries	Wages	TOTAL SALARIES AND WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
					\$	\$	\$	
<u>1932</u>								
Quebec	16	6	14	10	46	41,982	25,847	67,829
Ontario	89	28	181	8	306	331,501	245,013	576,514
Other provinces .	7	1	13	...	21	15,343	11,939	27,282
CANADA	112	35	208	18	373	388,826	282,799	671,625

Table 5 - EMPLOYEES, SALARIES AND WAGES, 1932 and 1933. (concluded)

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries \$	Wages \$	TOTAL SALARIES AND WAGES \$
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
<u>1933</u>								
Quebec	20	7	13	8	48	41,167	21,924	63,091
Ontario	108	34	174	11	327	338,153	220,120	558,273
Other provinces.	7	1	11	...	19	11,486	10,213	21,699
CANADA	135	42	193	19	394	390,806	252,257	643,063

Table 6 - WAGE-EARNERS, BY MONTHS, 1932 and 1933.

Months	1932			1933		
	1 Male	9 Female	3 2 TOTAL	1 Male	9 Female	3 3 TOTAL
January	206	17	223	194	14	208
February	206	17	223	195	14	209
March	205	17	222	195	15	210
April	206	18	224	198	18	216
May	205	22	227	196	18	214
June	210	22	232	195	18	213
July	207	20	227	193	19	212
August	207	19	226	204	17	221
September	210	20	230	203	20	223
October	210	20	230	207	23	230
November	206	15	221	205	21	226
December	207	14	221	203	19	222
AVERAGE	208	18	226	198	19	217

Table 7 - NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT ACCORDING TO REGULAR HOURS WORKED PER WEEK, 1932 and 1933. (Overtime not included)

Regular hours per week	Number of wage-earners		Regular hours per week	Number of wage-earners	
	1932	1933		1932	1933
40 hours or less	3	11	48 hours	111	108
41 - 43 hours	8	7	49 - 50 hours	25	21
44 hours	33	50	51 - 53 hours	6	...
45 - 47 hours	51	46			

Table 8 - FUEL AND ELECTRICITY, 1932 and 1933.

Kinds	Unit of measure	1932		1933	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian ..	short ton	125	1,255	226	1,457
Imported ..	short ton	1,352	8,048	1,388	8,088
Anthracite coal	short ton	58	855	35	511
Coke	short ton	13	152	26	276
Gasoline	Imp. gal.	50	11	55	12
Kerosene	Imp. gal.	25	8	50	12
Fuel oil	Imp. gal.	2,500	242	2,650	268
Wood	cord	4	32	5	35
Gas - Manufactured	M cu.ft.	535	552	608	633
Other fuel	xxx	...	...	...	63
Electricity purchased	k.w.h.	1,068,407	19,412	1,065,457	19,958
TOTAL	xxx	...	30,567	...	31,313

Table 9 - POWER EQUIPMENT, 1932 and 1933.

Kinds	1932		1933	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines	1	40	...	...
Gasoline, gas and oil engines	1	4	1	4
Total Primary Equipment	2	44	1	4
Electric motors operated by purchased power	180	1,508	182	1,542
TOTAL	182	1,552	183	1,546
Boilers	3	215	5	265

Table 10 - MATERIALS USED IN MANUFACTURING, 1932 and 1933.

Materials	Unit of measure	1932		1933	
		Quantity	Cost at works	Quantity	Cost at works
Carbon black	lb.	565,284	\$ 31,569	703,954	\$ 36,792
Dry colours	lb.	1,045,714	321,945	967,930	328,933
Glue	lb.	66,968	17,715	65,747	14,996
Glycerine	lb.	119,700	13,734	118,544	13,137
Gums	lb.	66,612	6,599	75,024	7,713
Oils	xx	...	71,222	...	67,152
Starch	lb.	46,281	3,864	31,800	3,291
Varnishes	Imp. gal.	163,027	102,974	117,846	109,019
Wax of all kinds	lb.	6,598	4,948	13,950	3,415
All other materials	xx	...	62,640	...	64,523
Bottles, tops, brushes, etc.	xx	...	99,813	...	109,729
TOTAL	xx	...	737,023	...	758,700

Table 11 - PRODUCTS MADE, 1932 and 1933.

Products		1932		1933	
		Quantity	Selling value at works	Quantity	Selling value at works
Inks, printers' and lithographing	lb.	7,218,257	\$ 1,679,775	6,874,128	\$ 1,659,641
Inks, writing (1)	xx	...	177,913	...	144,240
Printers' rollers and composition ...	lb.	300,785	194,860	292,113	184,561
Mucilage and paste and paste powder..	xx	...	33,503	...	44,485
All other products (x)	xx	...	67,581	...	73,509
TOTAL	xx	...	2,153,632	...	2,106,436

(1) In addition to the writing inks made in this industry, there was an output valued at about \$163,700 in 1932 and \$146,064 in 1933 by firms which made pencils and fountain pens as their main products and which, therefore, were not included in the Inks Industry.

(x) 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, 1920-1933.

Years	Printing Inks		Printers' rollers and
	Pounds	\$	composition
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	2,158,522	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

Table 13 - IMPORTS OF INKS INTO CANADA, 1932 and 1933.

	1932		1933		
	Pounds	Value	Pounds	Value	
Printing inks	TOTAL	568,121	245,247	340,532	165,296
	United Kingdom	77,066	55,037	79,083	48,213
	United States	486,996	188,520	253,193	113,031
	Other countries	4,059	1,690	8,251	4,052
Writing inks	TOTAL .....	...	29,532	...	27,405
	United Kingdom .....	...	10,261	...	12,007
	United States .....	...	17,627	...	14,134
	Other countries .....	...	1,644	...	1,264
Rotogravure ink	TOTAL	549	256	2,023	811
(From October 12, 1932) ..	United Kingdom .....	...	...	1,150	318
	United States	549	256	602	342
	Other countries .....	...	...	271	151

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1933.

Names of Firms

Location of Plants

(a) PRINTING INKS AND ROLLERS

Johnson, Ensley B. (x)	45 Kennedy St., Saint John, N.B.
Bedwell and Company, Reg'd.	697 St. Maurice St., Montreal, P.Q.
Frontenac Ink Works Limited	1161 William St., Montreal, P.Q.
Maple Leaf Products	4361 De Bullion St., Montreal, P.Q.
Roberton, J.S. (x)	175 Lagachetiere St.W., Montreal, P.Q.
Ault & Wiborg Co. of Canada, Ltd., The	82 Peter St., Toronto, Ont.
Bush, Charles, Limited	105 Davenport Rd., Toronto, Ont.
Canada Printing Ink Company Limited, The	15 Duncan St., Toronto, 2, Ont.
Canadian Fine Color Company Limited	240 Logan Ave., Toronto, Ont.
Dominion Printing Ink & Color Co. Limited	128 Pears Ave., Toronto, Ont.
Federal Inks Limited	40 St. Patrick St., Toronto, Ont.
General Printing Ink Corp. of Canada, Limited	176 John St., Toronto, Ont.

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1933. (concluded)

Names of Firms

Location of Plants

(a) PRINTING INKS AND ROLLERS - concluded

Hoops Printing Ink Co. Ltd.	9 St.Clair E., Toronto, Ont.
International Printing Ink. Corp. of Canada, Limited	240 Richmond St. W., Toronto, Ont.
Manton Brothers	105 Elizabeth St., Toronto, Ont.
Mimeograph Co. Ltd., The	189 John St., Toronto, Ont.
Peerless Printing Inks Ltd.	127 Peter St., Toronto, Ont.
Sleight Metallic Ink Co. of Canada, Ltd.	366 Adelaide St. W., Toronto, Ont.
Sinclair & Valentine Co. of Canada, Limited	233 Richmond St. W., Toronto, Ont.
Puttee, Arthur, W. (x)	175 McDermot Ave., Winnipeg, Man.
Columbia Printing Ink & Roller Co., The	1260 Hamilton St., Vancouver.

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

(b) WRITING INKS (1)

Carter Ink Co., The	4501 Drolet St., Montreal, P.Q.
La Cie Techno Chimique Masse	204 St. Joseph St., Lachine, P.Q.
National Ink Co.	1081 St. Timothy St., Montreal, P.Q.
Blue Bird Ink Co. Ltd.	124 Richmond St. W., Toronto, Ont.
Poole, J.E., & Company	18 Holly St., Toronto, Ont.
Reeves, L.A., Ink Co.	145 Wellington St. W., Toronto, Ont.
Reliance Ink Co. Limited	520 McGee St., Winnipeg, Man.
Peerless Products Ltd.	1642 Pandora St., Vancouver, B.C.

(1) In addition to these concerns the following firms produced writing inks but did not make inks as their main product and therefore were not classified under the Inks Industry:-

L. E. Waterman Co. Ltd.	2 Waterman St., St. Lambert, P.Q.
W. A. Sheaffer Pen Co. of Canada, Ltd.	169 Fleet St. W., Toronto, Ont.

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