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OTTAWA - CANADA

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CHEMICALS AND ALLIED PRODUCTS

THE INKS INDUSTRY, 1934.

Manufacturers of printing and writing inks reported an increase of 14 per cent in the value of products made during 1934 as compared with 1933. Output totalled \$2,411,001 at factory prices in 1934 as against \$2,106,436 for last year and this year's figure was the highest recorded since 1930.

Twenty-eight factories made inks or printers' rollers as their main products in 1934; 16 were in Ontario, 7 in Quebec, 2 in Manitoba, 2 in British Columbia, and 1 in New Brunswick. In addition, 3 manufacturers of fountain pens made writing inks as a minor product but have not been included in the Inks Industry; 2 of these works were in Ontario and 1 in Quebec.

The number of employees in this group was 438 in 1934 compared with 394 for last year and their earnings aggregated \$705,792 as against \$643,063 in 1933.

Capital employed was reported at \$2,585,617 of which \$1,462,760 was given as the value of land, buildings and equipment, \$505,679 as the value of inventories and \$617,178 as the total of operating capital. In the previous year, 1933, the total capital was shown at \$2,398,155.

Materials for manufacturing cost \$959,826 delivered at the works in 1934 compared with \$758,700 in 1933.

Printing inks and rollers were manufactured in 21 establishments of which 13 were in Ontario, 5 in Quebec, 1 in New Brunswick, 1 in Manitoba, and 1 in British Columbia. Production of printing and lithographic inks amounted to 8,465,649 pounds valued at \$1,935,874 compared with 6,874,128 pounds at \$1,659,641 from the 20 works which operated during 1933. Printers' rollers and composition totalled \$196,255 in 1934 compared with \$184,561 in the previous year.

Writing ink was the chief product of 7 factories in 1934 and the output from these works was valued at \$122,519, a drop of about 15 per cent from the corresponding figure of \$144,240 in 1933. The total output from these works, including some mucilage, paste, etc., was valued at \$255,824 in 1934 and \$244,946 in 1933.

In addition to the output of writing inks in this industry there was a production valued at \$150,952 in 1934 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 \$273,471 in 1934 and \$290,304 in 1933.

Imports of printing inks increased in 1934 to 394,858 pounds at \$176,941 from 340,532 pounds at \$165,296 in 1933. Imports of writing inks advanced to \$30,972 in 1934 from \$27,405 in 1933.

Table 1 - COMPARATIVE STATISTICS, 1920-1934.

Years	No. of plants	Average			Cost of materials at works	Selling value of products at works	Value added by manu- facturing
		Capital employed	number of em- ployees	Salaries and wages			
		\$		\$	\$	\$	\$
1920	19	1,518,827	303	490,920	1,269,030	2,527,825	1,258,795
1921	19	1,615,339	274	490,204	850,507	2,074,273	1,223,766
1922	20	1,737,173	343	570,554	842,706	2,224,537	1,381,831
1923	21	1,806,202	347	586,213	932,531	2,285,222	1,352,691
1924	20	2,019,246	331	567,354	802,205	2,198,674	1,396,469
1925	22	2,068,372	339	591,303	839,598	2,315,232	1,475,634
1926	20	2,065,981	358	628,418	944,561	2,436,057	1,491,496
1927	24	2,315,483	401	682,777	1,082,983	2,830,225	1,747,242
1928	22	2,451,858	373	721,458	1,069,237	2,917,603	1,848,366
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
1934	28	2,585,617	438	705,792	959,826	2,411,001	1,451,175

Table 2 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY IN CANADA, 1930-1934.

Years	No. of plants	Average			Cost of materials at works	Selling value of products at works	Value added by manu- facturing
		Capital employed	number of em- ployees	Salaries and wages			
		\$		\$	\$	\$	\$
<u>PRINTING INKS AND ROLLERS -</u>							
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
1934	21	2,374,586	369	635,205	840,165	2,155,177	1,315,012
<u>WRITING INKS -</u>							
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
1934	7	211,031	69	70,587	119,661	255,824	136,163
<u>TOTAL -</u>							
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
1934	28	2,585,617	438	705,792	959,826	2,411,001	1,451,175

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1933 and 1934.

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>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
<u>1934</u>							
Quebec	7	190,948	65	72,863	66,687	257,453	190,766
Ontario	16	2,311,432	351	609,234	854,378	2,089,007	1,234,629
New Brunswick ...	1)						
Manitoba	2)	83,237	22	23,695	38,761	64,541	25,780
British Columbia.	2)						
CANADA	28	2,585,617	438	705,792	959,826	2,411,001	1,451,175

Table 4 - CAPITAL EMPLOYED, 1933 and 1934.

Provinces	Present value of lands, buildings, machinery, tools and other equipment	Inventory value of materials on hand and stocks in process	Inventory value of finished products on hand	Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$	\$
<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
<u>1934</u>					
Quebec	67,638	26,455	15,378	81,477	190,948
Ontario	1,357,423	272,668	162,533	518,808	2,311,432
Other provinces .	37,699	24,261	4,384	16,893	83,237
CANADA	1,462,760	323,384	182,295	617,178	2,585,617

Table 5 - ESTABLISHMENTS GROUPED ACCORDING TO PRODUCTION, EMPLOYEES AND CAPITAL EMPLOYED, 1933 and 1934.

	1933				1934			
	No. of plants	Capital employed	No. of employees	Selling value of products at works	No. of plants	Capital employed	No. of employees	Selling value of products at works
		\$		\$		\$		\$
<u>(a) PRODUCTION</u>								
Under \$5,000	5	16,173	10	12,723	5	27,975	14	17,036
\$5,000 - \$25,000 ..	6	70,488	18	53,713	6	101,714	29	93,172
\$25,001 - \$50,000 ..	6	189,308	46	194,386	7	309,888	86	292,343
\$50,001 - \$100,000 .	6	367,371	86	344,607	4	218,256	52	270,853
Over \$100,000	5	1,754,815	234	1,501,007	6	1,927,784	257	1,737,597
TOTAL	28	2,398,155	394	2,106,436	28	2,585,617	438	2,411,001

Table 5 - ESTABLISHMENTS GROUPED ACCORDING TO PRODUCTION, EMPLOYEES AND CAPITAL EMPLOYED, 1933 and 1934 (concluded)

	1933				1934			
	1	9	3	3	1	9	3	4
	No. of plants	Capital employed \$	No. of employees	Selling value of products at works \$	No. of plants	Capital employed \$	No. of employees	Selling value of products at works \$
(b) EMPLOYEES								
1 or 2	6	51,742	9	29,406	3	19,222	5	13,382
3 - 10	11	211,463	62	242,966	12	245,146	70	274,686
11 - 20	6	388,127	89	390,689	7	450,991	103	461,318
Over 20	5	1,746,823	234	1,443,375	6	1,870,258	260	1,661,615
TOTAL	28	2,398,155	394	2,106,436	28	2,585,617	438	2,411,001
(c) CAPITAL EMPLOYED								
Under \$25,000	13	121,960	38	124,106	10	86,433	36	98,249
\$25,000 - \$50,000.	6	235,554	55	237,538	7	253,512	71	276,734
\$50,001 - \$100,000	4	244,362	71	301,291	6	385,745	101	421,695
Over \$100,000	5	1,796,279	230	1,443,501	5	1,859,927	230	1,614,323
TOTAL	28	2,398,155	394	2,106,436	28	2,585,617	438	2,411,001

Table 6 - EMPLOYEES, SALARIES AND WAGES, 1933 and 1934.

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries \$	Wages \$	TOTAL SALARIES AND WAGES \$
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
1933								
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	198	19	394	390,806	252,257	643,063
1934								
Quebec	24	5	24	12	65	42,142	30,721	72,863
Ontario	119	36	186	10	351	362,780	246,454	609,234
Other provinces.	8	1	12	1	22	12,964	10,731	23,695
CANADA	151	42	222	23	438	417,886	287,906	705,792

Table 7 - WAGE-EARNERS, BY MONTHS, 1933 and 1934.

Months	1933			1934		
	Male	Female	TOTAL	Male	Female	TOTAL
January	194	14	208	215	18	233
February	195	14	209	216	18	234
March	195	15	210	219	18	237
April	198	18	216	222	20	242
May	196	18	214	223	23	246
June	195	18	213	224	24	248
July	193	19	212	223	22	245
August	204	17	221	226	23	249
September	203	20	223	224	28	252
October	207	23	230	226	25	251
November	205	21	226	223	22	245
December	203	19	222	225	20	245
AVERAGE	198	19	217	222	23	245

Table 8 - FUEL AND ELECTRICITY, 1933 and 1934.

Kinds	Unit of measure	1 9 3 3		1 9 3 4	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian	short ton	226	\$ 1,457	126	\$ 783
Imported	short ton	1,388	8,088	1,483	8,943
Anthracite coal	short ton	35	511	21	263
Coke	short ton	26	276	32	326
Gasoline	Imp. gal.	55	12	110	23
Kerosene	Imp. gal.	50	12	345	57
Fuel oil	Imp. gal.	2,650	268	3,038	304
Wood	cord	5	35	9	62
Gas - Manufactured	M cu.ft.	608	633	424	453
Other fuel	xxx	...	63	...	...
Electricity purchased	K.W.H.	1,065,457	19,958	1,213,912	21,325
TOTAL	xxx	...	31,313	...	32,539

Table 9 - POWER EQUIPMENT, 1933 and 1934.

Kinds	1 9 3 3		1 9 3 4	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Gasoline, gas and oil engines	1	4	1	4
Total Primary Equipment	1	4	1	4
Electric motors operated by purchased power	182	1,542	206	1,613
TOTAL	183	1,546	207	1,617
Boilers	5	265	8	385

Table 10 - MATERIALS USED IN MANUFACTURING, 1933 and 1934.

Materials	Unit of measure	1 9 3 3		1 9 3 4	
		Quantity	Cost at works	Quantity	Cost at works
Carbon black	lb.	703,954	\$ 36,792	638,523	\$ 39,067
Dry colours	lb.	967,930	328,933	1,174,265	405,918
Glue	lb.	65,747	14,996	63,948	12,761
Glycerine	lb.	118,544	13,137	137,102	16,533
Gums	lb.	75,024	7,713	76,609	7,333
Oils	xx	...	67,152	...	81,251
Starch	lb.	31,800	3,291	54,218	4,456
Varnishes	Imp.gal.	117,846	109,019	227,705	181,603
Wax of all kinds	lb.	13,950	3,415	8,269	1,638
All other materials	xx	...	64,523	...	80,388
Bottles, tops, brushes, etc.	xx	...	109,729	...	128,878
TOTAL	xx	...	758,700	...	959,826

Table 11 - PRODUCTS MADE, 1933 and 1934.

Products	1 9 3 3		1 9 3 4	
	Quantity	Selling value	Quantity	Selling value
		at works		at works
		\$		\$
Inks, printers' and lithographing lb.	6,874,128	1,659,641	8,465,649	1,935,874
Inks, writing (1) .....	..	144,240	..	122,519
Printers' rollers and composition lb.	292,113	184,561	307,869	196,255
Mucilage and paste and paste powder .. xx	..	44,485	..	69,690
All other products (x) .....	..	73,509	..	86,663
TOTAL .....	..	2,106,436	..	2,411,001

(1) In addition to the writing inks made in this industry, there was an output valued at about \$146,064 in 1933 and \$150,952 in 1934 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, 1920-1934.

	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	2,158,522	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
1934	8,465,649	1,935,874	196,255

Table 13 - IMPORTS OF INKS INTO CANADA, 1933 and 1934.

	1 9 3 3		1 9 3 4		
	Pounds	Value	Pounds	Value	
		\$		\$	
Printing inks	TOTAL	340,532	165,296	394,858	176,941
	United Kingdom ...	79,083	48,213	88,354	56,876
	United States	253,198	113,031	305,456	119,348
	Other countries ..	8,251	4,052	1,048	717
Writing inks	TOTAL .....	..	27,405	..	30,972
	United Kingdom ...	..	12,007	..	13,546
	United States ....	..	14,134	..	14,942
	Other countries ..	..	1,264	..	2,484
Rotogravure ink	TOTAL	2,023	811	9,150	1,504
	United Kingdom ...	1,150	318	395	113
	United States	602	342	8,468	1,214
	Other countries ..	271	151	287	177

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1934.

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	697 St. Maurice St., Montreal, P.Q.
Frontenac Ink Works Limited	1161 William St., Montreal, P.Q.
Maple Leaf Products Co. (x)	4361 De Bullion St., Montreal, P.Q.
Robertson, J.S. (x)	175 Lagachetiere St. W., Montreal, P.Q.
Thorp-Hambrook Co. Ltd.	2720 St. Patrick St., 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.
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.
Sinclair & Valentine Co. of Canada, Limited	233 Richmond St. W., Toronto, Ont.
Winstone, B., & Sons (Canada) Limited	140 Kendal Ave., 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. W., 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.
Parker Fountain Pen Co. Ltd.	158 University Ave., Toronto, Ont.

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