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Ink industry Canada

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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA, 10. B. S.

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ANNUAL INDUSTRY BULLETIN

CHEMICALS AND ALLIED PRODUCTS GROUP

THE INKS INDUSTRY, 1935.

Production of printing inks in Canada increased 13 per cent in quantity and 15 per cent in value in 1935 compared with 1934 but writing inks declined 8 per cent in value. Output of printing inks was reported at 9,588,146 pounds valued at \$2,248,440 as against 8,476,108 pounds at \$1,949,573 for last year, and the value of writing inks was \$251,987 compared with \$273,471 in 1934.

Thirty-one factories were classified to the Inks Industry in 1935 including 21 which made printing inks and rollers as chief products and 10 which were engaged chiefly in the manufacture of writing inks. In the latter sub-group one new factory reported in 1935 and separate reports were included for the first time for the Waterman Ink Company and for the W. A. Sheaffer Pen Company of Canada, Limited, making an increase of three over the number of establishments covered by the 1934 statistics.

Printing inks were manufactured in 17 different plants in 1935 distributed by provinces, as follows: 3 in Quebec, 13 in Ontario and 1 in British Columbia. The total production by these concerns was valued at \$2,475,416 including some printers' rollers and other products as well as printing inks. Employees numbered 386 and salaries and wages for the year amounted to \$661,589. Materials for manufacturing cost \$892,923 and fuel and electricity cost \$30,772 delivered at the works. Output included 9,588,146 pounds of printing inks at \$2,248,440, printers' rollers at \$201,236, and miscellaneous products worth \$44,895.

Four other establishments, 1 in New Brunswick, 1 in Manitoba and 2 in Quebec, made printers' rollers only. Only 13 workers were employed in these plants and the output of rollers was valued at \$19,155.

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 96 persons and made goods valued at \$392,282. Production included writing inks at \$251,987, mucilage and paste at \$65,654 and miscellaneous articles at \$74,641. The statistics for this group, prior to 1935, did not include figures for the inks departments of two large concerns which made fountain pens and pencils as their chief products, but for 1935 separate reports were filed for these departments and included in the Inks Industry for the first time. Data for earlier years are, therefore, incomplete so far as writing inks are concerned, except in Table 13 which includes the entire production from all industries.

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Imports of printing inks increased in 1935 to 419,902 pounds at \$196,260 from 394,858 pounds at \$176,941 in 1934. Imports of writing inks declined slightly to \$26,701 from \$30,972 in 1934.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1920 - 1935.

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	Selling value of products at works
		\$		\$	\$	\$	\$
1920 .....	19	1,518,827	303	490,920	14,679	1,269,030	2,527,825
1921 .....	19	1,615,339	274	490,204	10,576	850,507	2,074,273
1922 .....	20	1,737,173	343	570,554	11,626	842,706	2,224,537
1923 .....	21	1,806,202	347	586,213	18,393	932,531	2,285,222
1924 .....	20	2,019,246	331	567,354	25,267	802,205	2,198,674
1925 .....	22	2,068,372	339	591,303	22,902	839,598	2,315,232
1926 .....	20	2,065,981	358	628,418	27,740	944,561	2,436,057
1927 .....	24	2,315,483	401	682,777	32,522	1,082,983	2,830,225
1928 .....	22	2,451,858	373	721,458	29,517	1,069,237	2,917,603
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	2,153,632
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

Table 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1931 - 1935.

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	Selling value of products at works
		\$		\$	\$	\$	\$
<u>PRINTING INKS AND ROLLERS</u>							
1931 .....	16	2,099,511	295	626,572	23,337	661,648	2,020,109
1932 .....	17	2,257,141	309	593,511	27,601	643,488	1,882,607
1933 .....	20	2,193,172	333	573,477	27,918	654,380	1,861,490
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
<u>WRITING INKS</u>							
1931 .....	7	220,151	75	82,803	2,983	100,464	288,953
1932 .....	7	238,232	64	78,114	2,966	93,535	271,025
1933 .....	8	204,933	61	69,586	3,395	104,320	244,946
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
<u>TOTAL</u>							
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	2,153,632
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

May 15 '39 Subs.

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1934 and 1935.

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	Selling value of products at works
		\$		\$	\$	\$	\$
<b>1934</b>							
Quebec .....	7	190,948	65	72,863	4,161	66,687	257,453
Ontario .....	16	2,311,432	351	609,234	27,243	854,378	2,089,007
New Brunswick ..	1)						
Manitoba .....	2)	83,237	22	23,695	1,135	38,761	64,541
British Columbia	2)						
CANADA .....	28	2,585,617	438	705,792	32,539	959,826	2,411,001
<b>1935</b>							
Quebec .....	8	259,764	85	97,077	4,175	113,629	378,372
Ontario .....	18	2,376,354	386	651,658	30,303	928,899	2,439,863
New Brunswick ..	1)						
Manitoba .....	2)	87,554	24	28,546	983	39,167	68,618
British Columbia	2)						
CANADA .....	31	2,723,672	495	777,281	35,461	1,081,695	2,886,853

Table 4 - CAPITAL EMPLOYED, BY PROVINCES, 1934 and 1935.

Provinces	Present value of lands, buildings, machinery, tools and other equipment	Inventory value of materials on hand, finished products and stocks in process	Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<b>1934</b>				
Quebec .....	67,638	41,833	81,477	190,948
Ontario .....	1,357,423	435,201	518,808	2,311,432
Other provinces.	37,699	28,645	16,893	83,237
CANADA .....	1,462,760	505,679	617,178	2,585,617
<b>1935</b>				
Quebec .....	122,512	67,084	70,168	259,764
Ontario .....	1,387,884	468,822	519,648	2,376,354
Other provinces.	41,950	26,928	18,676	87,554
CANADA .....	1,552,346	562,834	608,492	2,723,672

Table 5 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1935.

	Number of plants	Capital employed	Number of employees	Selling value of products at works
		\$		\$
<b>(a) PRODUCTION</b>				
Under \$5,000 .....	3	11,202	5	7,817
\$5,000 to \$10,000 .....	4	41,152	14	25,667
\$10,001 to \$25,000 .....	4	61,855	22	61,597
\$25,001 to \$50,000 .....	5	159,268	36	171,194
\$50,001 to \$100,000 .....	8	464,401	116	546,575
Over \$100,000 .....	7	1,985,794	302	2,074,003
TOTAL .....	31	2,723,672	495	2,886,853

Table 5 - SIZE OF ESTABLISHMENTS ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1935 (concluded)

	Number of plants	Capital employed \$	Number of employees	Selling value of products at works \$
<b>(b) NUMBER OF EMPLOYEES</b>				
1 or 2 .....	4	26,154	6	18,964
3 to 10 .....	13	308,921	79	332,832
11 to 20 .....	8	515,456	122	652,192
Over 20 .....	6	1,873,141	288	1,882,865
TOTAL .....	31	2,723,672	495	2,886,853
<b>(c) CAPITAL EMPLOYED</b>				
Under \$25,000 .....	11	114,209	41	95,081
\$25,000 to \$100,000 .....	15	741,456	197	945,680
Over \$100,000 .....	5	1,868,007	257	1,846,092
TOTAL .....	31	2,723,672	495	2,886,853

Table 6 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1934 and 1935.

Provinces	AVERAGE NUMBER OF EMPLOYEES				TOTAL	Salaries \$	Wages \$	TOTAL SALARIES AND WAGE \$
	On salaries		On wages					
	Male	Female	Male	Female				
<b>1934</b>								
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
<b>1935</b>								
Quebec .....	20	6	40	19	85	42,815	54,262	97,077
Ontario .....	124	38	213	11	386	396,925	254,733	651,658
Other provinces ..	9	1	14	...	24	15,164	13,382	28,546
CANADA .....	153	45	267	30	495	454,904	322,377	777,281

Table 7 - WAGE-EARNERS, BY SEX AND BY MONTHS, 1934 and 1935.

Months	1934			1935		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	215	18	233	250	26	276
February .....	216	18	234	256	26	282
March .....	219	18	237	255	27	282
April .....	222	20	242	253	29	282
May .....	223	23	246	263	30	293
June .....	224	24	248	267	31	298
July .....	223	22	245	266	30	296
August .....	226	23	249	273	32	305
September .....	224	28	252	275	33	308
October .....	226	25	251	276	30	306
November .....	223	22	245	271	30	301
December .....	225	20	245	271	28	299
AVERAGE .....	222	23	245	267	30	297

Table 8 - FUEL AND ELECTRICITY USED, 1934 and 1935.

Kinds	Unit of measure	1 9 3 4		1 9 3 5	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian ..	short ton	126	783	147	1,068
Imported ..	short ton	1,483	8,943	1,567	9,688
Anthracite coal .....	short ton	21	263	18	256
Coke .....	short ton	32	326	6	72
Gasoline .....	Imp. gal.	110	23	282	57
Kerosene .....	Imp. gal.	345	57	50	12
Fuel oil .....	Imp. gal.	3,038	304	2,751	275
Wood .....	cord	9	62	10	56
Gas - Manufactured .....	M cu. ft.	424	453	317	340
Other fuel .....	xxx	...	...	...	58
Electricity purchased .....	K.W.H.	1,213,912	21,325	1,195,149	23,579
TOTAL .....	xxx	...	32,539	...	35,461

Table 9 - POWER EQUIPMENT, 1934 and 1935.

Kinds	1 9 3 4		1 9 3 5	
	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 .....	206	1,613	208	1,745
TOTAL .....	207	1,617	209	1,749
Boilers .....	8	385	7	345

Table 10 - MATERIALS USED IN MANUFACTURING, 1934 and 1935.

Materials	Unit of measure	1 9 3 4		1 9 3 5	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Carbon black .....	lb.	638,523	39,067	667,598	41,046
Dry colours .....	lb.	1,174,265	405,918	1,371,723	497,199
Glue .....	lb.	63,948	12,761	78,603	17,392
Glycerine .....	lb.	137,102	16,533	155,903	21,178
Gums .....	lb.	76,609	7,333	84,320	7,971
Oils .....	xx	...	81,251	...	84,047
Starch .....	lb.	54,218	4,456	56,575	4,891
Varnishes .....	Imp. gal.	227,705	181,603	181,826	149,769
Wax of all kinds .....	lb.	8,269	1,638	19,091	5,324
All other materials .....	xx	...	80,388	...	87,146
Bottles, tops, brushes, etc. ....	xx	...	128,878	...	165,732
TOTAL .....	xx	...	959,826	...	1,081,695

Table 11 - PRODUCTS MADE, 1934 and 1935.

Products	Unit of measure	1 9 3 4		1 9 3 5	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
Inks, printing, mimeographing and lithographing .....	lb.	8,476,108	1,949,573	9,588,146	2,248,440
Inks, writing .....	xx	...	(1)122,519	...	251,987
Printers' rollers and composition. lb.		307,869	196,255	362,910	220,391
Mucilage and paste and paste powder .....	xx	...	69,690	...	65,654
All other products (x) .....	xx	...	72,964	...	100,381
TOTAL .....	xx	...	2,411,001	...	2,886,853

(1) The 1934 figures as given in this table do not include the output of writing inks valued at about \$150,952 by firms which made pencils and fountain pens as their main products and which, therefore, were not included in the Inks Industry; in 1935 separate reports for the inks departments of these works were obtained and 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, 1920-1935.

	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	1,613,977	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 .....	8,476,108	1,949,573	196,255
1935 .....	9,588,146	2,248,440	220,391

Table 13 - TOTAL PRODUCTION(x) OF WRITING INKS IN CANADA, 1932 - 1935.

Years	Selling value at works \$
1932 .....	341,613
1933 .....	285,694
1934 .....	273,471
1935 .....	251,987

(x) Figures for 1932 to 1934 inclusive include inks produced in other industries; for 1935 the total shown for the Inks Industry represents the entire Canadian production.

Table 14 - IMPORTS OF INKS INTO CANADA, 1934 and 1935.

	1934		1935	
	Pounds	Value	Pounds	Value
Printing inks .....		\$		\$
TOTAL .....	394,858	176,941	419,902	196,260
United Kingdom ..	88,354	56,876	105,891	69,489
United States ...	305,456	119,348	308,005	125,048
Other countries .	1,048	717	6,006	1,723
Writing inks .....				
TOTAL .....	...	30,972	...	26,701
United Kingdom ..	...	13,546	...	8,957
United States ...	...	14,942	...	15,777
Other countries .	...	2,484	...	1,967
Rotogravure ink .....				
TOTAL .....	9,150	1,504	1,935	772
United Kingdom ..	395	113	370	218
United States ...	8,468	1,214	1,293	353
Other countries .	287	177	272	201

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1935.Names of FirmsLocation of Plants(a) PRINTING INKS AND ROLLERS

(x) Johnson, Ensley B.	45 Kennedy St., Saint John, N.B.
Bedwell and Company Reg.	697 St. Maurice St., Montreal, P.Q.
Frontenac Ink Works Limited	1161 William St., Montreal, P.Q.
(x)Maple Leaf Products Co.	604 William St., Montreal, P.Q.
(x)Robertson, J. S.	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	32 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 Ltd.	105 Elizabeth St., Toronto, Ont.
Mimeograph Co. Ltd., The	189 John 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.
(x) Printers' Roller Co.	175 McDermot Ave., Winnipeg, Man.
Columbia Printing Ink & Roller Co., The	1260 Hamilton St., Vancouver, B.C.

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

(see over)



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DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1935 (concluded)

Names of Firms

Location of Plants

(b) WRITING INKS

Carter Ink Co., The	4562 Drolet St., Montreal, P.Q.
La Cie Techno Chimique Masse	204 St. Joseph St., Lachine, P.Q.
Waterman Ink Co.	263 St. James 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.	Soho and Phoebe Sts., 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.	1642 Pandora St., Vancouver, B.C.

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