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CANADA
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DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL & CHEMICAL BRANCH

THE INKS INDUSTRY
1937



OTTAWA
1938

Price 10 cents

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

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.
Statistician - Metal and Chemical Products: H. McLeod, B.Sc.

ANNUAL INDUSTRY BULLETIN

CHEMICALS AND ALLIED PRODUCTS GROUP

THE INKS INDUSTRY, 1937

Production of printing inks in Canada increased 5 per cent in value in 1937 as compared with 1936, and writing inks advanced 2 per cent in value. Output of printing inks was reported at 10,244,467 pounds valued at \$2,519,431 as against 9,805,286 pounds at \$2,387,347 for last year, and the value of writing inks was \$268,952 compared with \$262,790 in 1936.

Printing inks were manufactured in 17 different plants in 1937, distributed by provinces, as follows: 3 in Quebec, 13 in Ontario, 1 in British Columbia. The total production of these concerns was valued at \$2,787,572, including some printers' rollers and other products as well as printing inks. Employees numbered 404 and salaries and wages for the year amounted to \$758,683. Materials for manufacturing cost \$1,058,394, and fuel and electricity cost \$31,886 delivered at the works. Output included 10,244,467 pounds of printing inks at \$2,519,431, printers' rollers and composition at \$214,448, and miscellaneous products worth \$53,693.

Four other establishments, 1 in New Brunswick, 1 in Manitoba, and 2 in Quebec, made printers' rollers only. Only 14 workers were employed in these plants and their output of rollers and composition was valued at \$50,686.

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 102 persons and made goods valued at \$432,248. Production included writing inks at \$268,552, mucilage and paste at \$72,145, and miscellaneous articles at \$91,551.

For the entire group there were 31 establishments which employed 538 workers and produced goods valued at \$3,270,506.

Imports of printing inks increased to 556,640 pounds valued at \$228,889 in 1937 from 484,017 pounds at \$195,531 in 1936. Writing inks valued at \$31,197 were imported in 1937 as against \$24,978 in 1936.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1929 - 1937

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	743,704	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
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

Table 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1932 - 1937

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 ROLLERS

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
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

WRITING INKS

1932	7	238,232	64	78,114	2,966	93,535	271,025
1933	8	204,983	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
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

TOTAL

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
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

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1936 AND 1937

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>1936</u>							
Quebec	8	336,201	81	97,000	4,980	120,882	406,025
Ontario	19	2,524,809	417	724,948	31,727	1,059,646	2,586,609
Manitoba	3	61,297	25	18,824	845	32,433	59,923
New Brunswick ..	1)						
British Columbia	2)	42,861	10	14,950	311	12,111	29,485
CANADA	35	2,965,168	533	855,722	37,863	1,225,072	3,082,042
<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

Table 4 - CAPITAL EMPLOYED, BY PROVINCES, 1936 AND 1937

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>1936</u>				
Quebec	152,650	78,143	105,408	336,201
Ontario	1,438,236	503,803	582,770	2,524,809
Manitoba	37,546	14,488	9,263	61,297
Other provinces	16,239	14,751	11,871	42,861
CANADA	1,644,671	611,185	709,312	2,965,168
<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

Table 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1937

	Number of plants	Capital employed \$	Number of employees	Selling value of products at works \$
(a) PRODUCTION				
Under \$5,000	4	19,335	12	15,918
\$5,000 to \$10,000	2	15,617	3	10,175
\$10,001 to \$25,000	7	105,603	37	109,709
\$25,001 to \$50,000	3	106,856	20	112,001
\$50,001 to \$100,000	8	453,712	110	632,510
Over \$100,000	7	2,219,550	338	2,390,193
TOTAL	31	2,921,173	520	3,270,506
(b) NUMBER OF EMPLOYEES				
1 or 2	5	60,467	8	49,928
3 to 10	13	281,064	76	362,436
11 to 20	6	427,238	97	509,263
Over 20	7	2,152,404	339	2,348,879
TOTAL	31	2,921,173	520	3,270,506
(c) CAPITAL EMPLOYED				
Under \$25,000	13	141,055	52	135,802
\$25,000 to \$100,000	12	640,590	159	876,511
Over \$100,000	6	2,139,528	309	2,258,193
TOTAL	31	2,921,173	520	3,270,506

Table 6 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1936 AND 1937

Provinces	Average number of employees					Salaries \$	Wages \$	TOTAL SALARIES AND WAGES \$
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female	TOTAL			
1936								
Quebec	19	7	37	18	81	43,465	53,535	97,000
Ontario	134	39	233	11	417	440,578	284,370	724,948
Manitoba	12	3	9	1	25	10,918	7,906	18,824
Other provinces	4	...	6	...	10	7,444	7,506	14,950
CANADA	169	49	285	30	533	502,405	353,317	855,722
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

Table 7 - WAGE-EARNERS, BY MONTHS, 1936 AND 1937

Months	1 9 3 6			1 9 3 7		
	Male	Female	TOTAL	Male	Female	TOTAL
January	278	30	308	271	28	299
February	283	29	312	271	29	300
March	282	29	311	273	30	303
April	283	31	314	275	32	307
May	287	31	318	278	35	313
June	288	31	319	279	37	316
July	286	29	315	278	33	311
August	285	28	313	286	34	320
September	292	31	323	288	37	325
October	290	30	320	293	36	329
November	288	30	318	296	32	328
December	287	28	315	295	32	327
AVERAGE	285	30	315	282	34	316

Table 8 - FUEL AND ELECTRICITY USED, 1936 AND 1937

Kinds	Unit of	1 9 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian	short ton	116	748	123	704
Imported	short ton	1,588	9,995	1,731	10,889
Anthracite coal	short ton	99	668	135	921
Coke	short ton	5	60	5	160
Gasoline	Imp. gal.	112	22	210	42
Kerosene	Imp. gal.	542	91	355	58
Fuel oil	Imp. gal.	2,960	296	2,940	294
Wood	cord	9	51	7	37
Gas - Manufactured	M cu. ft.	650	610	624	602
Other fuel	xxx	...	61	-	60
Electricity purchased	K.W.H.	1,310,410	25,261	922,593	23,326
TOTAL	xxx	...	37,863	...	37,053

Table 9 - POWER EQUIPMENT, 1936 AND 1937

Kinds	1 9 3 6		1 9 3 7	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Gasoline, gas and oil engines	1	4	2	79
Total Primary Equipment.	1	4	2	79
Electric motors operated by purchased power	236	1,882	253	1,922
TOTAL	237	1,886	255	2,001
Boilers	9	500	8	351

Table 10 - MATERIALS USED IN MANUFACTURING, 1936 AND 1937

Materials	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
		\$		\$	
Carbon black	lb.	738,883	46,667	901,334	55,416
Dry colours	lb.	1,496,197	567,712	1,139,136	457,332
Glue	lb.	83,392	18,879	88,863	23,059
Glycerine	lb.	176,013	27,303	155,367	31,166
Gums	lb.	99,068	10,249	106,345	14,571
Oils	xx	...	83,697	...	94,623
Starch	lb.	85,315	5,442	87,315	6,145
Varnishes	Imp.gal.	187,316	171,501	209,590	191,500
Wax of all kinds	lb.	22,389	5,873	22,292	6,366
All other materials	xx	...	106,686	...	199,830
Bottles, tops, brushes, etc.	xx	...	176,063	...	198,712
TOTAL	xx	...	1,225,072	...	1,278,720

Table 11 - PRODUCTS MADE, 1936 AND 1937

Products	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$	
Inks, printing, mimeographing and lithographing	lb.	9,805,286	2,387,307	10,244,467	2,519,431
Inks, writing	xx	...	262,790	...	268,952
Printers' rollers & composition .....	...	...	244,745	...	267,867
Mucilage and paste and paste powder	xx	...	88,837	...	72,145
All other products (x)	xx	...	98,363	...	142,111
TOTAL	xx	...	3,082,042	...	3,270,506

(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, 1920-1937

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	214,327
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	8,476,108	1,949,573	196,255
1935	9,588,146	2,243,440	220,391
1936	9,805,286	2,387,307	244,745
1937	10,244,467	2,519,431	267,867

Table 13 - TOTAL PRODUCTION OF WRITING INKS IN CANADA, 1932 - 1937

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

Table 14 - IMPORTS OF INKS INTO CANADA, 1936 AND 1937

	1 9 3 6		1 9 3 7		
	Pounds	Value	Pounds	Value	
		\$		\$	
Printing inks	TOTAL	484,017	195,531	556,640	228,889
	United Kingdom ...	95,918	62,456	125,153	73,878
	United States	381,714	130,690	422,080	151,203
	Other countries ..	6,385	2,385	9,407	3,808
Writing inks	TOTAL .....	...	24,978	...	31,197
	United Kingdom ...	...	6,621	...	8,859
	United States ....	...	15,557	...	20,476
	Other countries ..	...	2,800	...	1,862
Rotagravure ink	TOTAL	6,090	1,230	2,116	1,436
	United Kingdom ...	...	...	600	782
	United States	6,090	1,230	1,470	571
	Other countries ..	...	...	46	83

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1937

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. 697 St. Maurice St., Montreal, P.Q. 939 Cote St., Montreal, P.Q.
(x) Printcraft Supply Co.	604 William St., Montreal, P.Q.
(x) Robertson, J. S. Thorp-Hambrock Co. Ltd. Ault & Wiborg Co. of Canada, Ltd., The Bush, Charles, Limited Canada Printing Ink Company Limited, The Canadian Fine Color Company Limited Dominion Printing Ink & Color Co. Ltd. Federal Inks Limited General Printing Ink Corp. of Canada, Limited	175 Laugachetiere St.W., Montreal, P.Q. 2735 Manufacturers 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.

(over)

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1937 (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, Ltd.	105 Elizabeth St., Toronto, Ont.
Mimeograph Co. Ltd., The	189 John St., Toronto, Ont.
Phoenix Ink Works	44 Lombard 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.

(b) WRITING INKS

Carter's Ink Co., The	4501 Drolet St., Montreal, P.Q.
La Cie Techno Chimique Masse	204 St. Joseph St., Lachine, P.Q.
Waterman, L. E., Co. Ltd.	263 St. James St. N., 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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