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CANADA *D.B.S.*

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

MINING, METALLURGICAL & CHEMICAL BRANCH

THE INKS INDUSTRY

1939



OTTAWA

1941

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Price 15 cents

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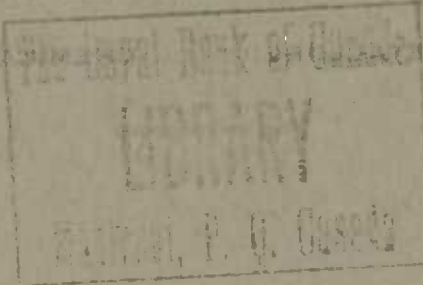
CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

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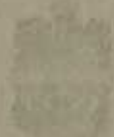
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1939

THE IRON AND STEEL INDUSTRY

1939



1941

Price 15 cents

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ANNUAL INDUSTRY REPORT

CHEMICALS AND ALLIED PRODUCTS GROUP

THE INKS INDUSTRY, 1939

Output of printing inks in 1939 was reported at 9,155,170 pounds valued at \$2,692,717 as against 9,353,410 pounds at \$2,443,710 for last year, and the value of writing inks was \$271,374 compared with \$257,369 in 1938.

Printing inks were manufactured in 18 different plants in 1939, distributed by provinces, as follows: 3 in Quebec, 14 in Ontario and 1 in British Columbia. The total production of these concerns was valued at \$2,981,579, including some printers' rollers and other products as well as printing inks. Employees numbered 438 and salaries and wages for the year amounted to \$847,553. Materials for manufacturing cost \$1,241,295 and fuel and electricity cost \$36,866 delivered at the works. Output included 9,155,170 pounds of printing inks at \$2,692,717, printers' rollers at \$238,127 and miscellaneous products worth \$56,570.

Four other establishments, 1 in New Brunswick, 1 in Manitoba, and 2 in Quebec, made printers' rollers only. Only 10 workers were employed in these plants and their output of rollers was valued at \$15,528.

Writing inks were made in 3 factories in Quebec, 6 in Ontario, 1 in Manitoba, and 1 in British Columbia, a total of 11 establishments, which employed 95 persons and made goods valued at \$457,844. Production included writing inks at \$271,374, mucilage and paste at \$80,305 and miscellaneous articles at \$106,465.

For the entire group there were 33 establishments which employed 543 workers and produced goods valued at \$3,454,951.

Imports of printing inks amounted to 532,107 pounds valued at \$249,024 in 1939, and writing inks brought in from other countries were appraised at \$26,214.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1929 - 1939

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	2,153,632
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
1938 ...	31	2,764,654	550	918,535	38,108	1,250,000	3,180,290
1939 ...	33	2,944,271	543	956,165	41,842	1,465,418	3,454,951

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 - 1939

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>PRINTING INKS AND PRINTERS' ROLLERS</u>							
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
1939	22	2,613,596	448	854,849	37,406	1,245,275	2,997,107
<u>WRITING INKS</u>							
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
1939	11	330,875	95	101,316	4,436	220,143	457,844
<u>TOTAL</u>							
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
1939	33	2,944,271	543	956,165	41,842	1,465,418	3,454,951

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1938 and 1939

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>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
<u>1939</u>							
Quebec	9	313,008	81	103,003	4,100	187,414	431,174
Ontario	19	2,550,468	438	825,392	36,512	1,228,087	2,928,914
Manitoba	2)						
New Brunswick	1)	80,795	24	27,770	1,230	49,917	94,863
British Columbia	2)						
CANADA	33	2,944,271	543	956,165	41,842	1,465,418	3,454,951

(11 Feb. '41)

Table 4 - CAPITAL EMPLOYED, BY PROVINCES, 1938 and 1939

Provinces	Present value	Inventory value	Operating capital	TOTAL CAPITAL EMPLOYED
	of lands, build- ings, machinery, tools and other equipment	of materials, fuel, and finished prod- ucts on hand and stocks in process	(cash, bills and accounts receiv- able, prepaid ex- penses, etc.)	
	\$	\$	\$	\$
<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
<u>1939</u>				
Quebec	114,161	74,408	124,439	313,008
Ontario	1,295,285	678,222	576,961	2,550,468
Other provinces	37,745	26,391	16,659	80,795
CANADA	1,447,191	779,021	718,059	2,944,271

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1938 and 1939

Provinces	Average number of employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female			\$	\$
<u>1938</u>								
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
<u>1939</u>								
Quebec	20	9	37	15	81	46,322	56,681	103,003
Ontario	144	39	244	11	438	523,375	302,017	825,392
Other provinces	9	1	14	..	24	15,359	12,411	27,770
CANADA	173	49	295	26	543	585,056	371,109	956,165

Table 6 - WAGE-EARNERS, BY MONTHS, 1938 and 1939 (On the last work-day of each month)

Months	1938			1939		
	Male	Female	TOTAL	Male	Female	TOTAL
January	294	30	324	294	25	319
February	292	29	321	294	25	319
March	288	29	317	296	28	324
April	292	33	325	292	26	318
May	285	35	320	293	28	321
June	290	34	324	291	26	317
July	289	36	325	291	26	317
August	293	36	329	295	28	323
September	290	32	322	292	31	323
October	293	30	323	294	31	325
November	291	30	321	304	27	331
December	292	28	320	304	25	329
AVERAGE	290	31	321	295	26	321

Table 7 - FUEL AND ELECTRICITY USED, 1938 and 1939

Kinds	Unit of measure	1 9 3 8		1 9 3 9	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian	short ton	83	556	167	1,080
Imported	short ton	1,299	8,448	1,112	7,165
Anthracite coal	short ton	263	1,690	282	1,877
Coke	short ton	6	72	5	60
Gasoline	Imp. gal.	459	124	9,153	2,109
Kerosene	Imp. gal.	2,220	441	3,169	502
Fuel oil	Imp. gal.	28,648	2,121	36,381	2,780
Wood	cord	3	19	11	73
Gas - Manufactured	M cu. ft.	1,084	1,080	1,100	1,116
Other fuel .....	...	...	80	...	123
Electricity purchased	K. W. H.	1,167,278	23,477	1,293,554	24,922
TOTAL .....	...	...	38,108	...	41,842

Table 8 - POWER EQUIPMENT, 1938 and 1939

Kinds	1 9 3 8		1 9 3 9	
	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	268	2,185	295	2,057
TOTAL	269	2,189	296	2,061
Stationary boilers	6	296	7	346

Table 9 - MATERIALS USED IN MANUFACTURING, 1938 and 1939

Materials	Unit of measure	1 9 3 8		1 9 3 9	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Carbon black	lb.	768,032	36,255	771,349	39,094
Dry colours	lb.	1,100,360	406,725	1,649,656	541,367
Glue	lb.	80,922	19,998	92,802	23,198
Glycerine	lb.	149,497	24,072	227,665	33,474
Gums	lb.	107,092	12,227	193,372	19,091
Oils	gal.	...	81,498	505,068	82,769
Starch	lb.	76,158	4,771	116,731	7,233
Varnishes	Imp. gal.	199,150	187,394	221,813	208,362
Wax of all kinds	lb.	29,523	7,445	36,992	10,460
All other materials .....	...	...	279,335	...	300,356
Bottles, tops, brushes, etc.	...	...	190,280	...	199,364
TOTAL .....	...	...	1,250,000	...	1,465,418

Table 10 - PRODUCTS MADE, 1938 and 1939

Products	1 9 3 8		1 9 3 9	
	Quantity	Selling value at works	Quantity	Selling value at works
	lb.	\$	lb.	\$
Inks, printing, mimeographing and lithographing (1)	9,353,410	2,448,710	9,155,170	2,692,717
Inks, writing	257,369	...	271,374
Printers' rollers and composition	255,784	...	255,011
Mucilage and paste and paste powder	81,989	...	80,305
All other products(2)	137,138	...	155,544
TOTAL	3,180,990	...	3,454,951

(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 11 - TOTAL PRODUCTION OF PRINTING INKS AND PRINTERS' ROLLERS IN CANADA, 1920 - 1939

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	1,554,335	228,976
1927	6,544,532	1,913,977	245,233
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	247,329
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	267,967
1938	9,353,410	2,448,710	255,784
1939	9,155,170	2,692,717	255,011

Table 12 - TOTAL PRODUCTION OF WRITING INKS IN CANADA, 1932 - 1939

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
1939	271,374

Table 13 - IMPORTS OF INKS INTO CANADA, 1938 and 1939

	1 9 3 8		1 9 3 9	
	Pounds	Value \$	Pounds	Value \$
Printing inks TOTAL	549,508	221,119	517,732	246,783
United Kingdom	99,390	65,902	104,987	70,744
United States	427,692	147,792	408,490	174,386
Other countries	22,426	7,425	4,255	1,653
Writing inks TOTAL . . . . .	...	25,260	...	26,214
United Kingdom . . . . .	...	7,043	...	8,480
United States . . . . .	...	16,708	...	15,862
Other countries . . . . .	...	...	...	1,872
Rotagravure ink TOTAL	1,376	386	4,375	2,241
United Kingdom	250	123	350	172
United States	1,126	263	3,413	1,998
Other countries . . . . .	...	...	612	71

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1939

Names of Firms

Location of Plants

(a) PRINTING INKS AND ROLLERS

(x) Johnson, Ensley, B. Bedwell and Company	45 Kennedy St., Saint John, N.B. 3415 Colonial Ave., Montreal, P.Q.
(x) Excelsior Roller Co. Frontenac Ink Works Limited	6329 Grand Cote St., 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.	175 Lagachetiere St. W., Montreal, P.Q. 2720 St. Patrick St., Montreal, P.Q.
Ault & Wiborg Co. of Canada, Ltd.	82 Peter St., Toronto, Ont.
Bush, Charles, Limited	105 Davenport Road, Toronto, Ont.
Canada Printing Ink Company Limited	15 Duncan St., Toronto 2, Ont.
Canadian Fine Color Company Limited	240 Logan Ave., Toronto, Ont.
Dominion Printing Ink & Color Co. Ltd.	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 Ave. E., Toronto, Ont.
Manton Brothers, Ltd.	105 Elizabeth St., Toronto, Ont.
Mimeograph Co. Ltd.	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.	1350 Hornby St., Vancouver, B.C.

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

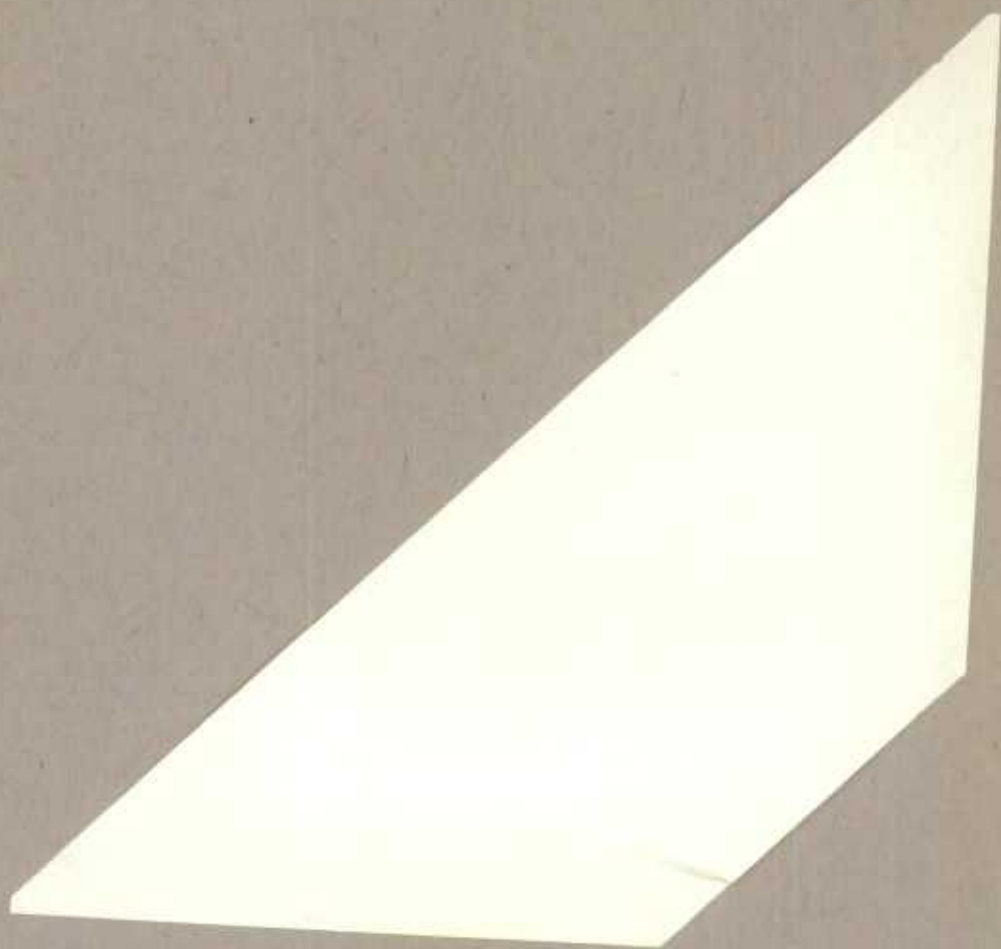
DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1939
(Concluded)

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.
Stephens Canadian Inks	38 Willcocks St., Toronto, Ont.
Reliance Ink Co. Limited	520 McGee St., Winnipeg, Man.
Peerless Products Ltd.	2233 Yukon St., Vancouver, B.C.



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