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THE INKS INDUSTRY

1956



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** – Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I – General Review of the Manufacturing Industries, \$1.50
- II – The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III – Foods and Beverages
- IV – Tobacco and Tobacco Products
- V – Rubber Products
- VI – Leather Products
- VII – Textile Mills
- VIII – Knitting Mills
- IX – Clothing
- X – Wood and Paper Products
- XI – Printing Trades
- XII – Iron and Steel Products
- XIII – Transportation Equipment
- XIV – Non-ferrous Metal Products
- XV – Electrical Apparatus and Supplies
- XVI – Non-metallic Mineral Products
- XVII – Products of Petroleum and Coal
- XVIII – Chemicals and Allied Products
- XIX – Miscellaneous Manufactures

The present report belongs in Part XVIII, Chemicals and Allied Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A – General Review, 25¢
- B – The Acids, Alkalies and Salts Industry, 25¢
- C – The Fertilizers Industry, 25¢
- D – The Fertilizer Trade in Canada, 25¢
- E – The Medicinal and Pharmaceutical Preparations Industry, 25¢
- F – The Paints, Varnishes and Lacquers Industry, 25¢
- G – The Primary Plastics Industry, 25¢
- H – The Soaps, Washing Compounds and Cleaning Preparations Industry, 25¢
- I – The Toilet Preparations Industry, 25¢
- J – The Vegetable Oils Industry, 25¢
- K – The Inks Industry, 25¢
- L – The Adhesives Industry, 25¢
- M – The Polishes and Dressings Industry, 25¢
- N – The Compressed Gases Industry, 25¢
- O – The Coal Tar Distillation Industry, 25¢
- P – The Miscellaneous Chemical Products Industry, 25¢

THE INKS INDUSTRY

1956

Output of printing inks in 1956 was reported at 30,134,128 pounds valued at \$13,695,626 as against 28,428,340 pounds valued at \$12,783,015 in 1955. The value of writing inks, including output reported by firms classified to other industrial groups, was \$576,694 compared with \$543,147 in 1955.

Establishments concerned principally with the manufacture of printing inks numbered 21 in 1956 distributed by provinces as follows: 3 in Quebec, 16 in Ontario and 2 in British Columbia. Factory shipments reported by these concerns were valued at \$14,111,640 including some printers' rollers and other products as well as printing inks. Employees numbered 851 and salaries and wages for the year amounted to \$3,326,167. Materials for manufacturing cost \$6,098,190 and fuel and electricity cost \$127,262 delivered at works. Output included 30,025,928 pounds of printing inks at \$13,572,466 printers' rollers at \$484,304 and miscellaneous products worth \$55,135.

Five other establishments—1 in New Brunswick, 2 in Quebec, 1 in Ontario and 1 in Manitoba—made printers' rollers, but no inks. Only 39 workers were employed in these plants and their total output, including other products as well as rollers, was valued at \$471,853. The total output of rollers, including the output from concerns which made printing inks as well as rollers, was \$956,999.

The manufacture of writing inks was reported by 7 factories in this industry, 2 in Quebec, 3 in Ontario, 1 in Manitoba and 1 in British Columbia. These establishments employed 98 persons and made goods valued at \$1,319,320. Production included writing inks at \$385,100, mucilage and paste at \$111,059 and miscellaneous articles at \$823,161. Writing inks were also made by firms classified to other industrial groups. The value reported by the latter in 1956 amounted to \$191,594.

For the entire group there were 33 establishments which employed 994 workers and produced goods valued at \$15,902,813.

Imports of inks in 1956 included 1,842,343 pounds of printing inks valued at \$1,005,897; 1,102,186 pounds of rotogravures inks at \$271,248 and writing inks valued at \$107,208. Exports included 57,354 pounds of printing inks at \$18,718 and other inks worth \$8,151.

Note: Figures for value added by manufacture, shown in Tables 1 and 2, prior to 1952 were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952, the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954 and subsequent years, information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figure.

**TABLE 1. Principal Statistics of the Inks Industry, Significant Years, 1929-1956
and by Provinces, 1955 and 1956**

Year and province	Estab- lish- ments	Em- ployees	Salaries and Wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
1929	22	392	785,778	29,918	1,097,315	1,910,816	3,038,049
1933	28	394	643,063	31,313	758,700	1,316,423	2,106,436
1937	31	520	882,449	37,053	1,278,720	1,954,733	3,270,506
1939	33	543	956,165	41,842	1,465,418	1,947,691	3,454,951
1945	31	641	1,341,553	46,571	2,138,428	2,852,169	5,037,168
1946	30	653	1,330,097	59,062	2,770,760	3,414,826	6,244,648
1949	32	704	1,968,794	63,286	4,002,313	4,874,039	8,939,638
1952	34	854	2,584,220	88,821	4,839,331	5,995,401	10,923,553
1953	33	891	2,891,130	107,523	5,198,173	7,517,350	12,823,046
1954	33	964	3,166,802	114,890	5,144,564	8,245,627	13,396,490
1955							
Quebec	9	113	320,205	15,310	532,615	1,022,302	1,559,588
Ontario	20	856	3,012,703	106,519	5,208,698	7,514,613	12,825,286
Manitoba	2	27	83,649	4,283	162,214	202,537	363,288
British Columbia	3						
New Brunswick	1						
Canada	35	996	3,416,557	126,112	5,903,527	8,739,452	14,748,162
1956							
Quebec	7	107	334,732	15,707	735,597	966,506	1,696,834
Ontario	20	859	3,328,133	123,202	5,877,120	7,944,528	13,861,113
Manitoba	2	28	91,905	6,521	166,949	165,459	344,866
British Columbia	3						
New Brunswick	1						
Canada	33	994	3,754,770	145,430	6,779,666	9,076,493	15,902,813

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.

1. See footnote to text.

TABLE 2. Principal Statistics of the Inks Industry, by Sub-groups, 1952-1956

Year	Estab- lish- ments	Em- ployees	Salaries and Wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
Printing inks and printers' rollers:							
1952	25	758	2,381,448	81,363	4,365,415	5,506,459	9,953,237
1953	25	796	2,671,682	97,835	4,722,881	6,925,466	11,746,182
1954	25	867	2,939,327	105,400	4,663,754	7,584,083	12,269,452
1955	27	902	3,193,632	115,359	5,456,644	7,996,275	13,565,520
1956	26	896	3,508,721	134,219	6,173,034	9,076,493	14,583,493
Writing inks:							
1952	9	96	202,772	7,458	473,916	488,942	970,316
1953	8	95	219,448	9,688	475,292	591,884	1,076,864
1954	8	97	227,475	9,490	480,810	661,544	1,127,038
1955	8	94	222,925	10,753	446,883	743,117	1,182,642
1956	7	98	246,049	11,211	606,632	712,256	1,319,320

1. See footnote to text.

TABLE 3. Inventories¹, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Ontario	900,973	131,973	601,093	1,634,039
Other provinces	190,002	84,110	108,903	383,015
Canada	1,090,975	216,083	709,996	2,017,054
Closing:				
Ontario	1,023,306	123,388	693,415	1,840,109
Other provinces	155,392	94,520	113,532	363,444
Canada	1,178,698	217,908	806,947	2,203,553

1. (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Inks Industry for the year under review are shown in the above table.

(c) The opening inventory for the current year may not necessarily agree with the closing inventory published the previous year because of changes in the composition of the industry such as; the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for value added by manufacture for the previous year does not need to be altered because of such changes in the composition of the industry.

TABLE 4. Products of the Inks Industry, 1955 and 1956

Product	1955		1956	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
	Pounds	\$	Pounds	\$
Printers' inks:				
Newspaper	15,641,953	1,576,795	16,438,218	1,649,221
Lithographing	2,172,744	3,052,513	2,404,851	3,283,383
Letterpress	7,121,935	6,702,434	7,355,867	7,044,543
Other	3,491,708	1,451,273	3,935,192	1,718,479
Writing inks	—	388,235	—	385,100
Printers' rollers	—	669,260	—	956,999
Mucilage and paste	—	118,670	—	111,559
All other products ¹	—	788,982	—	753,529
Total	—	14,748,162	—	15,902,813

1. Includes carbon paper, typewriter ribbons, rubber stamp pads, stains, colours and other commodities made as minor products by the ink manufacturers.

TABLE 5. Materials Used in the Inks Industry, 1955 and 1956

Material	Unit of measure	1955		1956	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Acids:					
Gallic	lb.	781	1,321	—	—
Tannic	"	6,495	5,789	2,985	2,764
Carbon black	"	1,678,596	201,357	1,781,457	210,364
Dextrine	"	59,452	6,500	78,850	8,613
Driers	"	161,519	71,721	185,837	81,841
Dry colours	"	3,458,348	1,724,204	3,805,893	2,028,214
Glue	"	86,275	34,240	88,059	35,525
Glycerine	"	196,251	73,319	211,440	75,533
Gums and resins:					
Natural	lb.	395,176	78,992	452,596	93,819
Synthetic	"	1,865,411	440,678	2,139,960	504,857
Oils:					
Castor	Imp. gal.	2,118	4,991	1,631	3,420
Chinawood (Tung)	lb.	87,116	23,523	109,341	31,171
Linseed	Imp. gal.	126,362	202,746	129,407	233,546
Petroleum ink oils	"	1,300,666	320,264	1,424,323	336,195
Other oils	lb.	59,474	16,805	58,408	17,101
Solvents (benzol, naphtha, alcohol, etc.)	Imp. gal.	555,154	349,059	623,632	389,891
Starch	lb.	74,179	8,522	22,459	3,664
Varnishes	Imp. gal.	373,927	739,989	404,774	816,933
Wax:					
Beeswax	lb.	7,599	5,485	7,341	4,604
Carnauba	"	14,744	11,760	14,224	12,229
Paraffin	"	39,043	6,838	40,792	7,404
Synthetic	"	25,449	11,965	33,489	16,998
Other	"	31,361	11,663	38,370	17,972
All other materials	—	—	1,055,316	—	1,259,391
Containers, packing materials	—	—	496,480	—	587,617
Total	—	—	5,903,527	—	6,779,666

TABLE 6. Total Production of Printing Inks and Printers' Rollers, 1947-1956

Year	Printing inks		Printers' rollers and composition
	Pounds	\$	\$
1947	17,843,861	5,883,670	423,826
1948	20,251,448	6,991,707	495,233
1949	21,567,526	7,586,964	504,194
1950	22,556,861	8,769,128	524,971
1951	22,051,887	9,088,296	591,357
1952	22,068,770	9,375,202	623,587
1953	25,735,017	11,125,566	669,111
1954	26,854,350	11,648,790	676,912
1955	28,428,340	12,783,015	669,260
1956	30,134,128	13,695,626	956,999

TABLE 7. Total Production of Writing Inks, 1947-1956 (From all industries)

Year	Selling value at works	Year	Selling value at works
	\$		\$
1947	267,348	1952	458,211
1948	423,686	1953	492,930
1949	391,638	1954	516,418
1950	446,513	1955	543,147
1951	426,631	1956	576,694

TABLE 8. Principal Statistics, Classified According to Type of Ownership - 1955 and 1956

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1955					
Individual ownership	7	36	105,313	92,045	284,877
Partnerships	2				
Incorporated companies	26				
Total	35	996	3,416,557	5,903,527	14,748,162
1956					
Individual ownership	5	35	111,245	102,384	302,523
Partnerships	2				
Incorporated companies	25	959	3,643,525	6,677,282	15,600,290
Total	33	994	3,754,770	6,779,666	15,902,813

TABLE 9. Principal Statistics of the Inks Industry in Canada, Grouped According to Size of Establishment, 1955 and 1956

Establishments reporting factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
1955					
Under \$10,000	4	5	5,168	4,645	13,900
\$10,000 to \$49,999	7	28	70,622	48,870	161,480
\$50,000 to \$99,999	5	46	150,859	170,431	457,657
\$100,000 to \$199,999	4	25	86,499	299,335	586,724
\$200,000 to \$499,999	5	74	280,711	405,037	1,479,300
\$500,000 to \$999,999	7	269	944,577	1,675,162	4,124,689
\$1,000,000 to \$4,999,999	3	549	1,878,121	3,300,047	7,924,412
Total	35	996	3,416,557	5,903,527	14,748,162
1956					
Under \$10,000	3	4	5,024	4,114	11,935
\$10,000 to \$49,999	5	22	61,309	37,448	134,881
\$50,000 to \$99,999	4	27	115,866	117,866	332,532
\$100,000 to \$199,999	5	54	167,791	392,866	728,197
\$200,000 to \$499,999	7	118	497,336	852,036	2,293,975
\$500,000 to \$999,999	6	239	888,478	1,727,435	4,025,467
\$1,000,000 to \$4,999,999	3	530	2,018,966	3,647,901	8,375,826
Total	33	994	3,754,770	6,779,666	15,902,813

TABLE 10. Capital and Repair Expenditures in the Inks Industry, 1951-1956

Year	Total capital and repair expenditures	Year	Total capital and repair expenditures
	\$'000		\$'000
1951	425	1954	1,450
1952	301	1955	512
1953	355	1956 ¹	580

1. Preliminary.

TABLE 11. Employees and Their Earnings, in the Inks Industry, by Provinces, 1955 and 1956

Province	Number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1955								
Quebec	23	17	53	20	113	143,682	176,523	320,205
Ontario	165	87	575	29	856	1,250,937	1,761,766	3,012,703
Other provinces	10	2	13	2	27	42,760	40,889	83,649
Canada	198	106	641	51	996	1,437,379	1,979,178	3,416,557
1956								
Quebec	19	15	53	20	107	145,783	188,949	334,732
Ontario	171	92	572	24	859	1,423,647	1,904,486	3,328,133
Other provinces	11	3	13	1	28	47,431	44,474	91,905
Canada	201	110	638	45	994	1,616,861	2,137,909	3,754,770

TABLE 12. Production Workers, by Months, 1955 and 1956

Month	1955			1956		
	Male	Female	Total	Male	Female	Total
	Number					
January	628	45	673	629	49	678
February	633	48	681	630	48	678
March	631	49	680	626	47	673
April	632	53	685	634	18	682
May	634	52	686	639	46	685
June	641	48	689	637	44	681
July	641	52	693	639	44	683
August	646	56	702	638	46	684
September	646	54	700	653	44	697
October	649	52	701	650	43	693
November	658	52	710	649	45	694
December	653	51	704	645	46	691
Average	641	51	692	638	45	683

TABLE 13. Fuel and Electricity Used in the Inks Industry, 1956¹

Kind	Unit of measure	Quantity	Cost at works
			\$
Bituminous coal:			
Canadian	ton	30	659
Imported	ton	1,263	16,106
Anthracite coal	ton	10	250
Gasoline	Imp. gal.	77,356	32,133
Kerosene	Imp. gal.	1,921	546
Fuel oil	Imp. gal.	149,179	24,336
Gas:			
Manufactured	M cu. ft.	282	559
Natural	M cu. ft.	2,390	2,859
Other fuel	—	—	154
Electricity purchased	k.w.h.	3,010,344	67,828
Total	—	—	145,430

1. Last collected in 1953

TABLE 14. Imports and Exports of Inks, 1955 and 1956

	1955		1956	
	Quantity	Value	Quantity	Value
	Lb.	\$	Lb.	\$
(A) Imports				
Printing ink:				
From — United Kingdom	478,940	224,058	398,036	191,185
United States	1,321,517	765,903	1,400,716	787,018
Other	27,726	18,719	43,591	27,694
Total	1,828,183	1,008,680	1,842,343	1,005,897
Rotogravure ink:				
From — United States	970,369	255,049	1,102,136	271,192
United Kingdom	771	637	50	56
Total	971,140	255,686	1,102,186	271,248
Writing ink:				
From — United Kingdom	—	5,312	—	6,872
United States	—	86,894	—	83,670
Hong Kong	—	183	—	51
Other	—	10,876	—	16,615
Total	—	103,265	—	107,208
(b) Exports				
Printing ink:				
To — India	87,698	6,317	33,889	2,249
Union of South Africa	15,157	12,781	761	1,238
United States	13,604	12,046	6,597	9,851
Other	—	7,963	16,107	5,380
Total	137,546	39,107	57,354	18,718
Ink, other:				
To — Hong Kong	—	—	—	—
Belgian Congo	—	434	—	—
Union of South Africa	—	1,422	—	2,013
United States	—	22,610	—	3,174
Other	—	3,706	—	2,964
Total	—	28,172	—	8,151

List of Firms in the Inks Industry, 1956

Name of firm	Address
(a) Writing Inks	
Quebec:	
Carter's Ink Company of Canada Limited, The	4501 Drolet St., Montreal
L.E. Waterman Company Limited	2 Waterman St., St. Lambert
Ontario:	
Blue Bird Ink Company Limited	180 Warden Ave., Toronto
Poole, J.E., Company Limited, The	18 Holly St., Toronto
Reeves, L.A., Ink Company	215-217 Niagara St., Toronto
Manitoba:	
Reliance Ink Co., Limited	520 McGee St., Winnipeg
British Columbia:	
Peerless Products 1954 Limited	625 Clarke Drive, Vancouver
(b) Printing Inks and Printers' Rollers	
New Brunswick:	
Hickman Bros. ¹	51 Kennedy St., Saint John
Quebec:	
Columbian Carbon (Canada) Ltd.	7147 Park Ave., Montreal
Frontenac Ink Works Limited	400 Aqueduct St., Montreal
Gresham Company Reg'd.	1081 Smith St., Montreal
Printcraft Supply Co. ¹	254 Queen St., Montreal
Robertson, J.S., Reg'd. ¹	175 Lagachetiere St. W., Montreal
Ontario:	
Argus Printing Inks Ltd.	464 Royal York Rd. S., Toronto
Ault & Wilborg Co. of Canada Limited, The	82 Peter St., Toronto
Bowers Printing Ink Co. of Canada Ltd.	345 Carlaw Ave., Toronto
Bush-Federal Limited	296 Lakeshore Road, Toronto
Canada Printing Ink Company Limited, The	15 Duncan St., Toronto
Canadian Fine Color Co. Limited	2 Sheffield St., North York
Columbian Carbon (Canada) Ltd.	24 Bethridge Rd., Rexdale
Gaetjens, Berger & Wirth (Canada) Ltd.	440 Birchmount Rd., Toronto
General Printing Ink Corporation of Canada Ltd.	821 Queen St. E., Toronto
Hendershot Inks Ltd.	240 Logan Ave., Toronto
Inter-Provincial Inks Limited	28 Nashville Ave., Toronto
Manton Brothers Limited	93 Elizabeth St., Toronto
Markrite Manufacturing Company	120 Church St., Toronto
Perma-Flex Industries Limited ¹	2710 St. Clair Ave., Toronto
Rieger Printing Ink Company Limited	41 Clarkson Ave., Toronto
Sinclair and Valentine Company of Canada Limited	240 Madison Ave., Toronto
Toronto Star Limited, The	20 Queen's Quay E., Toronto
Manitoba:	
Printers' Roller Co. ¹	175 McDermot Ave., Winnipeg
British Columbia:	
Columbia Printing Ink & Roller Co. Ltd.	543 Powell St., Vancouver
Columbian Carbon (Canada) Ltd.	1370 East Georgia St., Vancouver

1. These concerns make printers' rollers only.



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