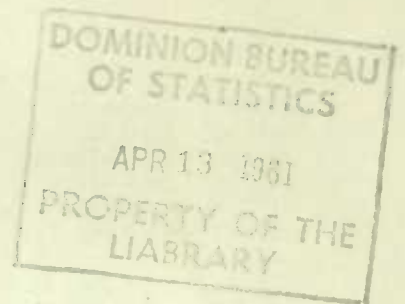


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**THE INKS INDUSTRY**  
**1959**



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## PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Chemicals and Allied Products** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual                      B — Biennial                      M — Monthly                      S.C. — Special Compilation

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## EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1959 are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

### Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or



plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value Added by Manufacturing**

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

### **Short Forms**

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

## THE INKS INDUSTRY

1959

Output of printing inks in 1959 was reported at 33,041,000 pounds valued at \$16,001,000 as against 30,679,000 pounds valued at \$14,622,000 in 1958. The value of writing inks, including output reported by firms classified to other industrial groups, was \$555,000 compared with \$575,000 in 1958.

Establishments concerned principally with the manufacture of printing inks numbered 34 in 1959 distributed by provinces as follows; 8 in Quebec; 16 in Ontario; 3 in Manitoba; 2 in Alberta and 5 in British Columbia. Factory shipments reported by these firms were valued at \$18,046,877 including some printers' rollers and other products as well as printing inks. Employees numbered 912 and salaries and wages for the year amounted to \$3,936,133. Materials for manufacturing cost \$7,714,390 and fuel and electricity cost \$160,951 delivered at works.

Four other establishments, 2 in Quebec, 1 in Ontario and 1 in Manitoba were primarily engaged in the manufacture of printers' rollers. Only 50 workers were employed in these plants and their total output

including other products as well as rollers, was valued at \$601,802. The total output of rollers, including the output from concerns which made printing inks as well as rollers, was \$821,855.

The manufacture of writing inks was reported by 6 factories in this industry, 2 in Quebec, 3 in Ontario and 1 in British Columbia. These establishments employed 105 persons who made goods valued at \$1,429,028. Writing inks were also made by firms classified to other industrial groups. The value reported by the latter in 1959 amounted to \$243,133.

For the entire group there were 44 establishments which employed 1,067 workers and produced goods valued at \$19,475,905.

Imports of inks in 1959 included 2,314,053 pounds of printing inks valued at \$1,254,833; 1,649,061 pounds of rotogravure ink at \$429,428 and writing inks valued at \$157,151. Exports included 67,687 pounds of printing inks at \$47,121 and other inks worth \$7,584.



TABLE 1. Principal Statistics of the Inks Industry, Significant Years, 1929-59  
and by Provinces, 1958 and 1959

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 <sup>1</sup>	Gross selling value of products <sup>1</sup>
	number				dollars		
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	2,136,428	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
1955 .....	35	996	3,416,557	126,112	5,903,527	8,739,452	14,748,162
1956 .....	33	994	3,754,770	145,430	6,779,666	9,076,493	15,902,813
1957 .....	32	977	4,015,365	136,893	6,935,556	9,972,013	16,912,330
1958							
Quebec .....	10	220	791,716	34,536	1,897,776	2,639,942	4,591,798
Ontario .....	20	721	2,979,878	107,233	5,172,996	5,956,986	11,203,348
Manitoba .....	4	32	118,510	7,275	160,228	656,637	829,239
Alberta .....	2						
British Columbia .....	6						
Canada .....	42	1,015	4,059,844	158,252	7,486,995	9,837,464	17,481,629
1959							
Quebec .....	12	254	919,611	38,125	2,328,429	2,510,237	4,886,773
Ontario .....	20	722	3,163,834	120,412	5,390,650	7,151,487	12,662,779
Manitoba .....	4	33	125,125	7,690	437,726	443,272	879,462
Alberta .....	2						
British Columbia .....	6						
Canada .....	44	1,067	4,457,342	180,053	8,548,391	10,789,590	19,475,905

<sup>1</sup> Due to lack of inventory data, figures for "Value added by manufacture" prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

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 of the Inks Industry, by Sub-groups, 1955-59

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 <sup>1</sup>	Gross selling value of products <sup>1</sup>
	number				dollars		
Printing inks and printers' rollers:							
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
1957 .....	25	882	3,737,341	125,126	6,274,455	9,281,797	15,524,106
1958 .....	36	929	3,801,103	146,707	6,929,175	9,144,829	16,210,288
1959 .....	38	962	4,150,789	167,968	7,817,002	10,077,625	18,046,877
Writing inks:							
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
1957 .....	7	95	278,024	11,767	661,101	690,216	1,388,224
1958 .....	6	86	258,741	11,545	557,820	692,635	1,271,341
1959 .....	6	105	306,553	12,085	731,389	711,965	1,429,028

<sup>1</sup> See footnote 1 to Table 1 above.

TABLE 3. Inventories,<sup>1</sup> 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Quebec .....	252,748	140,669	205,267	598,684
Ontario .....	876,753	90,322	547,404	1,514,479
Manitoba and Alberta .....	38,550	18,242	54,264	111,056
British Columbia .....	96,123	19,684	62,059	177,866
Canada .....	<b>1,264,174</b>	<b>268,917</b>	<b>868,994</b>	<b>2,402,085</b>
Closing:				
Quebec .....	296,718	113,466	222,488	632,672
Ontario .....	1,075,860	119,421	518,075	1,713,356
Manitoba and Alberta .....	49,172	19,910	61,822	130,904
British Columbia .....	134,469	33,292	91,566	259,327
Canada .....	<b>1,556,219</b>	<b>286,089</b>	<b>893,951</b>	<b>2,736,259</b>

<sup>1</sup> (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, 1958 and 1959

Product	1958		1959	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
	pounds	\$	pounds	\$
Printers' inks:				
Newspaper .....	15,046,025	1,949,118	16,383,820	2,131,850
Lithographing .....	2,938,892	3,778,176	3,017,879	4,186,168
Letterpress .....	7,433,325	6,616,158	7,433,374	6,862,766
Other .....	5,260,318	2,278,858	6,206,416	2,819,880
Writing inks .....	—	345,387	—	311,880
Printers' rollers .....	—	830,032	—	821,855
Mucilage and paste .....	—	104,440	—	45,169
All other products <sup>1</sup> .....	—	1,579,460	—	2,296,337
<b>Total .....</b>	<b>—</b>	<b>17,481,629</b>	<b>—</b>	<b>19,475,905</b>

<sup>1</sup> 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, 1958 and 1959

Material	1958		1959	
	Quantity	Cost at works \$	Quantity	Cost at works \$
Acids:				
Tannic .....	lb. 4,281	6,200	3,628	5,152
Carbon black .....	" 1,772,348	212,687	1,956,973	232,900
Dextrine .....	" 22,055	2,716	23,774	5,299
Driers .....	" —	98,052	—	99,849
Dry colours .....	" —	2,054,648	—	2,392,457
Dyes .....	" —	32,482	—	43,767
Glue .....	" 56,310	19,534	33,600	14,670
Glycerine .....	" 145,762	46,404	66,655	22,550
Gums and resins:				
Natural .....	" 561,231	74,196	792,432	110,184
Synthetic .....	" 2,536,626	576,266	2,914,865	724,931
Oils:				
Castor .....	Imp. gal. 985	2,108	1,266	2,913
Chinawood (Tung) .....	lb. 94,770	22,042	34,925	10,690
Linseed .....	Imp. gal. 61,151	102,702	73,884	131,550
Petroleum ink oils .....	" 1,357,173	230,086	1,501,312	371,885
Other oils .....	lb. 24,646	7,977	24,419	8,280
Solvents (benzol, naphtha, alcohol, etc.) .....	Imp. gal. 676,570	409,772	818,022	445,051
Starch .....	lb. 20,360	3,477	22,980	4,220
Varnishes .....	Imp. gal. 396,651	889,962	362,663	880,466
Wax:				
Beeswax .....	lb. 9,801	7,502	6,773	4,366
Carnauba .....	" 6,121	4,888	7,556	6,451
Paraffin .....	" 34,987	5,678	36,768	6,051
Synthetic .....	" 25,102	10,920	36,770	13,898
Other .....	" 34,978	13,161	27,510	11,670
All other materials <sup>1</sup> .....	—	1,959,119	—	2,478,661
Containers, packing materials .....	—	594,416	—	520,480
<b>Totals</b> .....	—	<b>7,486,995</b>	—	<b>8,548,391</b>

<sup>1</sup> No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$200,000. The total estimated value of materials used by these firms was \$345,183 and this amount is included in "all other materials and supplies used".

TABLE 6. Total Production of Printing Inks and Printers' Rollers, 1950-59

Year	Printing inks		Printers' rollers and composition
	pounds	\$	\$
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
1957 .....	30,175,000	14,810,000	763,927
1958 .....	30,679,000	14,622,000	830,032
1959 .....	33,041,000	16,001,000	821,855



TABLE 7. Total Production of Writing Inks, 1950-59 (from All industries)

Year	Selling value at works	Year	Selling value at works
	\$		\$
1950 .....	446,513	1955 .....	543,147
1951 .....	426,631	1956 .....	576,694
1952 .....	458,211	1957 .....	489,000
1953 .....	492,930	1958 .....	575,000
1954 .....	516,418	1959 .....	555,000

TABLE 8. Principal Statistics, Classified According to Type of Ownership, 1958 and 1959

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1958					
Individual ownership .....	2	18	69,390	36,199	160,534
Partnerships .....	2				
Incorporated companies .....	38	997	3,990,454	7,450,796	17,321,095
<b>Totals</b> .....	<b>42</b>	<b>1,015</b>	<b>4,059,844</b>	<b>7,486,995</b>	<b>17,481,629</b>
1959					
Individual ownership .....	3	13	54,867	21,221	119,629
Partnerships .....	1				
Incorporated companies .....	40	1,054	4,402,475	8,527,170	19,356,276
<b>Totals</b> .....	<b>44</b>	<b>1,067</b>	<b>4,457,342</b>	<b>8,548,391</b>	<b>19,475,905</b>

TABLE 9. Principal Statistics of the Inks Industry in Canada, grouped according to Value of Factory Shipments, 1958 and 1959

Establishments reporting factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1958					
Under \$10,000 .....	4	4	10,899	5,337	26,203
\$ 10,000 to \$ 24,999 .....	3	16	53,285	42,650	130,443
25,000 " 49,999 .....	2				
50,000 " 99,999 .....	5	34	143,257	98,769	361,087
100,000 " 199,999 .....	4	31	97,088	222,903	488,689
200,000 " 499,999 .....	13	220	1,003,820	1,587,841	4,341,386
500,000 " 999,999 .....	7	270	1,054,181	2,255,570	5,099,391
1,000,000 " 4,999,999 .....	4	440	1,697,314	3,273,925	7,034,430
<b>Totals</b> .....	<b>42</b>	<b>1,015</b>	<b>4,059,844</b>	<b>7,486,995</b>	<b>17,481,629</b>
1959					
Under \$10,000 .....	4	4	7,959	7,743	22,659
\$ 10,000 to \$ 24,999 .....	5	23	78,932	52,656	170,668
25,000 " 49,999 .....	2				
50,000 " 99,999 .....	4	23	76,932	139,232	293,822
100,000 " 199,999 .....	5	62	270,875	316,267	764,056
200,000 " 499,999 .....	11	156	688,363	1,556,564	3,749,337
500,000 " 999,999 .....	8	301	1,316,461	2,570,823	5,708,098
1,000,000 " 4,999,999 .....	5	498	2,017,820	3,905,106	8,767,265
<b>Totals</b> .....	<b>44</b>	<b>1,067</b>	<b>4,457,342</b>	<b>8,548,391</b>	<b>19,475,905</b>

TABLE 10. Capital and Repair Expenditures in the Inks Industry, 1954 - 59

Year	Total capital and repair expenditures	Year	Total capital and repair expenditures
	\$'000		\$'000
1954 .....	1,450	1957 .....	435
1955 .....	512	1958 .....	628
1956 .....	647	1959 <sup>P</sup> .....	781

<sup>P</sup> Preliminary figures.

TABLE 11. Employees and their Earnings, in the Inks Industry, by Provinces, 1958 and 1959

Province	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					dollars		
<b>1958</b>								
Quebec .....	33	28	139	20	220	300,695	491,021	791,716
Ontario .....	146	94	446	35	721	1,245,984	1,733,894	2,979,878
Manitoba and Alberta .....	8	4	20	—	32	47,708	70,802	118,510
British Columbia .....	11	5	26	—	42	69,341	100,399	169,740
<b>Canada .....</b>	<b>198</b>	<b>131</b>	<b>631</b>	<b>55</b>	<b>1,015</b>	<b>1,663,728</b>	<b>2,396,116</b>	<b>4,059,844</b>
<b>1959</b>								
Quebec .....	40	48	145	21	254	374,271	545,340	919,611
Ontario .....	136	103	469	14	722	1,300,582	1,863,252	3,163,834
Manitoba and Alberta .....	7	5	21	—	33	47,967	77,158	125,125
British Columbia .....	14	6	38	—	58	95,635	153,137	248,772
<b>Canada .....</b>	<b>197</b>	<b>162</b>	<b>673</b>	<b>35</b>	<b>1,067</b>	<b>1,818,455</b>	<b>2,638,887</b>	<b>4,457,342</b>

TABLE 12. Production Workers, by Months, 1959

Month	Establishments reporting monthly detail <sup>1</sup>	
	Male	Female
January .....	614	22
February .....	625	22
March .....	633	22
April .....	633	24
May .....	633	25
June .....	644	24
July .....	635	19
August .....	635	26
September .....	645	25
October .....	652	26
November .....	657	25
December .....	654	23
Average for establishments reporting monthly detail .....	636	24
Average estimated for small establishments <sup>2</sup> .....	37	11
Average for all establishments .....	673	35

<sup>1</sup> The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$200,000 and over.

<sup>2</sup> For establishments generally reporting value of shipments of less than \$200,000, no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll which was then used in conjunction with estimated average earnings to arrive at number of workers.

TABLE 13. Fuel and Electricity Used in the Inks Industry, 1959

Kind	Quantity	Cost at plant \$
1. Establishments reporting commodity detail: <sup>1</sup>		
Bituminous coal—Imported .....	ton 498	6,311
Sub-bituminous coal (from Alberta mines only) .....	" 148	2,160
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal. 56,553	24,189
Fuel oil including kerosene or coal oil .....	" 292,368	41,633
Gas (a) Other manufactured gas .....	Mcf. 14	33
(b) Natural gas .....	" 7,723	8,607
Electricity purchased .....	kwh. 4,627,883	80,901
2. Estimate for establishments for which no data were collected: <sup>2</sup>		
Cost of fuel and electricity .....	...	16,219
3. All establishments:		
Total cost of fuel and electricity .....	...	180,053

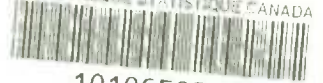
<sup>1</sup> Establishments generally reporting value of shipments of \$200,000 and over.<sup>2</sup> Establishments generally reporting value of shipments of less than \$200,000.

... Figures not appropriate or not applicable.

TABLE 14. Imports and Exports of Inks, 1958 and 1959

	1958		1959	
	Quantity lb.	Value \$	Quantity lb.	Value \$
Imports				
Printing ink:				
From—United Kingdom .....	441,468	212,396	666,484	314,857
United States .....	1,603,605	868,742	1,510,626	852,659
Other .....	139,404	87,841	136,943	87,317
Totals .....	2,184,477	1,168,979	2,314,053	1,254,833
Rotogravure ink:				
From—United States .....	1,196,293	321,285	1,649,061	429,428
United Kingdom .....	—	—	—	—
Totals .....	1,196,293	321,285	1,649,061	429,428
Writing ink:				
From—Italy .....	—	10,992	—	22,865
United Kingdom .....	—	3,464	—	2,414
United States .....	—	114,708	—	113,678
Hong Kong .....	—	79	—	59
Other .....	—	8,272	—	18,135
Totals .....	—	137,515	—	157,151
Exports				
Printing ink:				
To—India .....	154,389	13,629	11,110	739
Union of South Africa .....	560	1,227	1,675	2,956
United States .....	27,521	18,420	28,464	32,884
Other .....	69,753	9,319	26,438	10,542
Totals .....	252,223	42,595	67,687	47,121
Ink, other:				
To—United Kingdom .....	—	6,441	—	1,345
Union of South Africa .....	—	1,500	—	—
United States .....	—	24,826	—	6,117
Other .....	—	1,838	—	122
Totals .....	—	34,605	—	7,584





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## List of Firms in the Inks Industry, 1959

Name of firm	Address
<b>(a) Writing Inks</b>	
<b>Quebec:</b>	
Carter's Ink Company of Canada Limited, The .....	4501 Drolet St., Montreal
L.E. Waterman Company Limited .....	2 Waterman St., St. Lambert
<b>Ontario:</b>	
Blue Bird Ink Company Limited .....	180 Warden Ave., Toronto
Poole, J.E., Company Limited, The .....	164 Brentworth, Toronto
Reeves, L.A., Ink Company Ltd. ....	217 Niagara St., Toronto
<b>British Columbia:</b>	
Peerless Products 1954 Limited .....	625 Clarke Drive, Vancouver
<b>(b) Printing Inks and Printers' Rollers</b>	
<b>Quebec:</b>	
Ault & Wiborg Co. of Canada Limited, The .....	5520 Chabot, Montreal
Canada Printing Ink Company Limited, The .....	8490 Jeanne Mance, Montreal
Columbian Carbon (Canada) Ltd. ....	7147 Park Ave., Montreal
Faber, Paul .....	Cloutier St., Montreal
Frontenac Ink Works Limited .....	400 Aqueduct St., Montreal
Gresham Company Ltd., The .....	1081 Smith St., Montreal
Printcraft Supply Co. <sup>1</sup> .....	254 Queen St., Montreal
Robertson, J.S., Reg'd. <sup>1</sup> .....	175 Lagachetière St. W., Montreal
Sinclair and Valentine Company of Canada Limited .....	6765 Hutchinson, Montreal
Schmidt Printing Inks of Canada .....	1123 Hickson Ave., Verdun
<b>Ontario:</b>	
Argus Printing Inks Ltd. ....	464 Royal York Rd. S., Toronto
Ault & Wiborg Co. of Canada Limited, The .....	82 Peter St., Toronto
Bowers Printing Ink Co. of Canada Ltd. ....	345 Carlaw Ave., Toronto
Canada Printing Ink Company Limited, The .....	Brockhouse Rd., Toronto
Canadian Fine Color Co. Limited .....	2 Sheffield St., North York
Columbia 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 Printing Inks Ltd. ....	133 Cartwright, Toronto
Markrite Manufacturing Company .....	120 Church St., Toronto
Parkinson Inks Ltd. ....	445 Nightingale, London
Perma-Flex Industries Limited <sup>1</sup> .....	90 Bridgeland, Toronto
Rieger Printing Ink Company Limited .....	41 Clarkson Ave., Toronto
Sinclair and Valentine Company of Canada Limited .....	240 Madison Ave., Toronto
Toronto Star Limited, .....	20 Queen's Quay E., Toronto
<b>Manitoba:</b>	
Ault & Wiborg Co. of Canada Limited, The .....	321 Stanley, Winnipeg
Canada Printing Ink Company Limited, The .....	496 Hargrave, Winnipeg
Printers' Roller Co. <sup>1</sup> .....	1045 Notre Dame, Winnipeg
Sinclair and Valentine Company of Canada Limited .....	800 Berry St., St. James
<b>Alberta:</b>	
Ault & Wiborg Co. of Canada Limited, The .....	310-2nd St. S.E., Calgary
Canada Printing Ink Company Limited, The .....	10333-112th St., Edmonton
<b>British Columbia:</b>	
Ault & Wiborg Co. of Canada Limited, The .....	496 Prior, Vancouver
Canada Printing Ink Company Limited, The .....	822 Homer, Vancouver
Columbia Printing Ink & Roller Co. Ltd. ....	1410 William St., Vancouver
Columbian Carbon (Canada) Ltd. ....	1370 East Georgia St., Vancouver
Sinclair and Valentine Company of Canada Limited .....	1277 East Georgia St., Vancouver

<sup>1</sup> These concerns make printers' rollers only.