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THE INKS INDUSTRY

1941



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ANNUAL INDUSTRY REPORT

CHEMICALS AND ALLIED PRODUCTS GROUP

THE INKS INDUSTRY, 1941

Output of printing inks in 1941 was reported at 11,091,468 pounds valued at \$3,767,697 as against 9,793,366 pounds at \$2,984,333 for last year, and the value of writing inks was \$380,129 compared with \$276,330 in 1940.

Printing inks were manufactured in 18 different plants in 1941 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 \$4,086,622 including some printers' rollers and other products as well as printing inks. Employees numbered 500 and salaries and wages for the year amounted to \$1,052,989. Materials for manufacturing cost \$1,925,930 and fuel and electricity cost \$41,833 delivered at the works. Output included 11,091,468 pounds of printing inks at \$3,767,697, printers' rollers at \$242,586 and miscellaneous products worth \$76,339.

Four other establishments, 1 in New Brunswick, 1 in Manitoba, and 2 in Quebec, made printers' rollers only. Only 16 workers were employed in these plants and their output of rollers was valued at \$55,852. Including the output from concerns which made printing inks as well as rollers, the total production of the latter was \$293,438 in 1941.

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 107 persons and made goods valued at \$631,910. Production included writing inks at \$380,129, mucilage and paste at \$76,420 and miscellaneous articles at \$175,261.

For the entire group, there were 33 establishments which employed 623 workers and produced goods valued at \$4,774,284.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1930 - 1941.

Year	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
		\$		\$	\$	\$	\$
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	671,623	30,567	737,023	2,153,632
1933	28	2,398,155	394	642,063	31,313	758,700	2,106,436
1934	28	2,585,617	438	705,792	32,529	959,826	2,411,001
1935	31	2,723,672	495	777,281	35,461	1,081,625	2,886,853
1936	33	2,965,168	523	855,722	37,862	1,225,072	3,082,042
1937	31	2,921,173	520	882,449	37,052	1,278,720	3,270,506
1938	31	2,764,654	530	918,525	38,108	1,250,000	3,180,990
1939	33	2,944,271	543	956,165	41,842	1,465,418	3,454,951
1940	33	2,671,482	585	1,076,473	47,604	1,601,868	3,739,179
1941	33	3,164,648	623	1,204,263	47,454	2,264,748	4,774,284

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, 1937 - 1941.

Year	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>							
1937	21	2,535,284	418	776,253	32,567	1,065,989	2,838,258
1938	21	2,456,769	435	810,937	33,771	1,038,413	2,759,149
1939	22	2,613,396	448	854,849	37,406	1,245,275	2,997,107
1940	22	2,355,317	487	368,988	42,652	1,362,563	3,219,895
1941	22	2,825,805	516	1,082,859	42,924	1,935,259	4,142,474
<u>WRITING INKS</u>							
1937	10	385,889	102	106,196	4,486	212,731	432,248
1938	10	327,885	95	107,598	4,337	211,587	421,341
1939	11	330,375	95	101,316	4,436	220,143	457,844
1940	11	316,165	98	107,485	4,752	239,305	479,284
1941	11	338,843	107	121,404	4,530	329,489	631,810
<u>TOTAL</u>							
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
1940	33	2,671,482	585	1,076,473	47,604	1,601,868	3,799,179
1941	33	3,164,648	623	1,204,263	47,454	2,264,748	4,774,284

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1940 and 1941

Year	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>1940</u>							
Quebec	8	306,935	83	111,777	4,588	226,736	476,789
Ontario	20	2,284,737	479	935,261	41,738	1,327,285	3,232,576
Manitoba	2)						
New Brunswick .	1)	79,810	23	29,435	1,278	47,847	89,814
British Columbia	2)						
CANADA	33	2,671,482	585	1,076,473	47,604	1,601,868	3,799,179
<u>1941</u>							
Quebec	8	337,444	89	135,373	4,355	326,416	662,543
Ontario	20	2,739,795	507	1,036,866	41,930	1,877,857	4,003,489
Manitoba	2)						
New Brunswick .	1)	87,409	27	32,024	1,169	60,475	108,252
British Columbia	2)						
CANADA	33	3,164,648	623	1,204,263	47,454	2,264,748	4,774,284

Table 4 - CAPITAL EMPLOYED, BY PROVINCES, 1940 and 1941

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.)	
	\$	\$	\$	\$
1940				
Quebec	122,454	91,425	93,056	306,935
Ontario	951,069	724,790	608,878	2,284,737
Other provinces	37,470	28,393	15,947	79,810
CANADA	1,110,993	844,608	715,881	2,671,482
1941				
Quebec	121,727	112,067	103,650	337,444
Ontario	1,045,497	1,002,495	691,803	2,739,795
Other provinces	38,408	31,254	17,747	87,409
CANADA	1,205,632	1,145,816	813,200	3,164,678

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1940 and 1941

Provinces	Average number of employees				TOTAL	Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages					
	Male	Female	Male	Female				
					\$	\$	\$	
1940								
Quebec	18	11	35	19	83	51,508	60,269	111,777
Ontario	155	45	265	14	479	598,167	337,094	935,261
Other provinces	9	1	13	..	23	16,963	12,472	29,435
CANADA	182	57	313	33	585	666,638	409,835	1,076,473
1941								
Quebec	19	13	37	20	89	64,400	70,973	135,373
Ontario	143	57	283	24	507	623,815	413,051	1,036,866
Other provinces	9	2	16	..	27	17,534	14,490	32,024
CANADA	171	72	336	44	623	705,749	498,514	1,204,263

Table 6 - WAGE-EARNERS, BY MONTHS, 1940 and 1941 (Number on payroll on the last work-day of each month)

Months	1940			1941		
	Male	Female	TOTAL	Male	Female	TOTAL
January	308	27	335	312	31	343
February	307	29	336	321	32	353
March	311	29	340	324	33	357
April	313	32	345	316	37	353
May	315	33	348	332	42	374
June	311	33	344	334	44	378
July	313	34	347	341	47	388
August	314	34	348	346	53	399
September	310	34	344	343	51	394
October	313	33	346	338	51	389
November	312	32	344	343	52	395
December	312	32	344	344	52	396
AVERAGE	313	33	346	333	44	377

Table 7 - HOURS WORKED PER WEEK, BY WAGE-EARNERS, 1940 and 1941
(In one week of month of highest employment; overtime included)

Hours worked per week	Number of wage-earners			
	1940		1941	
	Male	Female	Male	Female
30 hours or less	3	..	5	..
31-45 hours	5	5	5	..
44 hours	94	3	69	7
45-47 hours	40	15	35	13
48 hours	174	14	225	19
49-50 hours	1	..	2	..
51-54 hours	2	..	4	..
55 hours .....	..	..	..	..
56-64 hours	2	..	14	6
65 hours and over .....	..	..	5	..
TOTAL	321	37	364	45
Total wages paid in selected week \$	8,319	468	12,274	630

Table 8 - FUEL AND ELECTRICITY USED, 1940 and 1941

Kinds	Unit of Measure	1940		1941	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian	Ton	161	1,084	137	965
Imported	Ton	1,250	8,927	1,198	9,050
Anthracite coal	Ton	270	1,880	219	1,696
Coke	Ton	4	52	5	70
Gasoline	Imp. gal.	20,828	4,941	18,257	4,573
Kerosene	Imp. gal.	1,274	204	2,474	411
Fuel oil	Imp. gal.	36,778	2,759	34,527	2,616
Wood	Cord	19	123	18	106
Gas - Manufactured	M cu. ft.	1,063	1,209	1,191	1,199
Other fuel .....	...	...	98	...	60
Electricity purchased	K.W.H.	1,462,737	26,322	1,660,158	26,708
TOTAL .....	...	...	47,604	...	47,454

Table 9 - POWER EQUIPMENT, 1940 and 1941

Kinds	1940		1941	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Gasoline, gas and oil engines	1	4	1	4
Electric motors operated by purchased power	300	2,052	303	2,053
TOTAL	301	2,043	304	2,057
Stationary boilers	5	241	6	261

Table 10 - MATERIALS USED IN MANUFACTURING, 1940 and 1941

Materials	Unit of measure	1 9 4 0		1 9 4 1	
		Quantity	Cost at works	Quantity	Cost at works
		\$		\$	
Carbon black	lb.	686,265	33,606	911,868	66,366
Dry colours	lb.	1,374,507	555,035	1,749,305	736,770
Glue	lb.	36,438	22,228	93,660	26,027
Glycerine	lb.	170,936	27,353	220,725	35,219
Gums	lb.	259,820	33,635	470,363	64,517
Oils	gal.	537,420	113,289	377,640	160,935
Starch	lb.	32,537	4,972	126,971	6,379
Varnishes	Imp. gal.	232,114	273,153	425,735	272,737
Wax of all kinds	lb.	25,473	7,977	37,650	13,115
All other materials .....	...	...	318,392	...	633,036
Bottles, tops, brushes, etc.	...	...	202,133	...	244,147
TOTAL .....	...	...	1,601,868	...	2,264,748

Table 11 - PRODUCTS MADE, 1940 and 1941

Products	1 9 4 0		1 9 4 1		
	Quantity	Selling value at works	Quantity	Selling value at works	
		\$		\$	
Inks, printing, mimeographing and lithographing	lb.	9,793,866	2,984,333	11,091,463	3,767,697
Inks, writing	276,330	...	380,123
Printers' rollers and composition	277,391	...	298,438
Mucilage and paste and paste powder	63,772	...	85,552
All other products (x)	197,353	...	242,463
TOTAL	3,793,179	...	4,774,284

(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 - 1941.

Year	Printing inks		Printers' rollers and composition
	Pounds	\$	
1920	...	1,459,054	216,923
1921	...	1,176,053	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	5,637,860	1,554,835	228,976
1927	6,544,532	1,813,977	245,233
1928	7,607,566	2,026,637	280,764
1929	8,146,912	2,153,522	298,107
1930	8,691,735	1,951,245	247,929
1931	7,563,426	1,787,304	209,496
1932	7,213,257	1,679,775	194,860
1933	6,874,128	1,659,641	184,561
1934	8,475,108	1,949,573	196,255
1935	9,583,146	2,248,440	230,391
1936	9,805,236	2,397,307	244,745
1937	10,244,467	2,519,431	267,867
1938	9,353,410	2,448,710	255,784
1939	9,155,179	2,632,717	255,011
1940	9,793,866	2,934,323	277,391
1941	11,091,468	3,767,697	293,423

Table 13 - TOTAL PRODUCTION OF WRITING INKS IN CANADA, 1933 - 1941

Year	Selling value at works
1933	285,694
1934	273,471
1935	251,987
1936	262,790
1937	238,952
1938	257,369
1939	271,374
1940	276,330
1941	330,129

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