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DOMINION BUREAU OF STATISTICS CANADA. Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.

Mining, Metallurgical and Chemical Branch Chief: W. H. Losee, B.Sc.

CHEMICALS AND ALLIED PRODUCTS

THE INKS INDUSTRY, 1932.

NOV 14 1933

Output from the Inks Industry declined 7 per cent in 1932 when the value of production at the factories was \$2,155,632 compared with \$2,309,062 in 1931. Twenty-four establishments were included in this industry; 17 works made printers' ink or printers' rollers as their chief products and 7 produced writing inks. Capital employed was reported at \$2,495,373, a slight increase over 1931. Employees numbered 373 compared with 370 for last year but total payments for salaries and wages were lower at \$671,625 against \$709,375 in 1931. The cost of raw materials at the works was \$737,023 and the value added by manufacturing was \$1,416,609.

Printing inks and rollers were manufactured in 17 plants of which 12 were in Ontario, 2 in Quebec, and 1 in each of New Brunswick, Maniteba and British Columbia. Production of printing and lithographic inks amounted to 7,218,257 pounds valued at \$1,679,775 compared with 7,563,426 pounds at \$1,787,304 from the 16 works which were in operation in 1931. Printers rollers and composition totalled \$194,860 in 1932 compared with \$209,496 in the previous year.

Writing inks were the chief products of 7 factories in 1932 and the output of writing inks from these factories was valued at \$177,913, a drop of about 10 per cent from the corresponding figure of \$198,375 for 1931. The total production from these works, including some mucilage, paste; typewriter ribbons, carbon paper, etc., was valued at \$271,025 in 1932.

In addition to the output of writing inks in this industry, there was a production valued at \$163,700 by concerns which made writing inks as a minor product and were therefore included in other industrial groups. The total production of writing inks in Canada was \$341,613 in 1932 and \$378,375 in 1931.

Imports of printing ink declined in 1932 to 568,121 pounds at \$245,247 from 946,386 pounds at \$287,730 in 1931 Imports of writing inks also fell off in 1932 when the value was reported at \$29,532 compared with \$35,177 in the previous year.

AL STAT	ISTICS OF T		INDUSTRY	IN CANADA,		Value
Number	Capital	number	Salaries	Cost of	value of	added
o.f.	employed :	of em	and	materials	products	by manu-
plants		ployees	wages	at works	at works	facturing
	\$		4:	\$	\$	\$
ROLLER	S					
16	2,246,629	307	648,764	900,307	2,574,343	1,674,056
16	2,375,227	323	709,794	945,606	2,703,959	1,758,353
16	2, 254, 555	310	667,639	771,673	2,265,691	1,494,018
16	2,099,511	295	626,572	661,648	2,020,109	1,358,461
17	2,257,141	309	593,511	643,488	1,882,607	1,239,119
	Number of: plants ROLLER 16 16 16 16	Number Capital of employed plants ROLLEKS 16 2,246,629 16 2,375,227 16 2,254,555 16 2,099,511	Average Number Capital number of employed of employees Plants ployees ROLLERS 16 2,246,629 307 16 2,375,227 323 16 2,254,555 310 16 2,099,511 295	Average Number Capital number Salaries of employed of em and plants ployees wages ROLLERS 16 2,246,629 307 648,764 16 2,375,227 323 709,794 16 2,254,555 310 667,639 16 2,099,511 295 626,572	Average Number Capital number Salaries Cost of of employed of em and materials plants ployees wages at works ROLLERS 16 2,246,629 307 648,764 900,307 16 2,375,227 323 709,794 945,606 16 2,254,555 310 667,639 771,673 16 2,099,511 295 626,572 661,648	Average Selling Number Capital number Salaries Cost of value of of employed of em and materials products plants ployees wages at works at works ROLLERS 16 2,246,629 307 648,764 900,307 2,574,343 16 2,375,227 323 709,794 945,606 2,703,959 16 2,254,555 310 667,639 771,673 2,265,691 16 2,099,511 295 626,572 661,648 2,020,109

And the state of t			-12				
Table 1 - PRINCIP	AL STATI	STICS OF T			N CANADA 1	928 - 1932.	concluded.
			Averag			Selling	Value
	Number	Capital		Salaries	Cost of	value of	added by
Years	of		d of em-			s products	manu-
	plants			s wages	at works	_	facturing
		\$		Ş	Ę	\$	Ş
WAITING INKS -							
1928	6	205,229	66	72,694.	168,930	343,260	174,330
1929	6	222,036	69	75,984	151,709	334,090	182,381
1930	6	203,281	66	81,065	223,580	293,625	70,045
1931	7	220,151	75	82,803	100,464	288,953	188,489
1932	7	238,232	64	78,114	93,535	271,025	177,490
			numerous de ferreus				
TOTAL -							
1928	22	2,451,858	373	721,458	1,069,237	2,917,603	1,848,366
1929	22	2,597,263	392	785,778	1,097,315	3,038,049	1,940,734
1930	22	2,457,836	376	748,704	995,253	2,559,316	1,564,063
1931	23	2,319,662	370	709,375	762,112	2,309,062	1,546,950
1932	24	2,495,373	373	671,625	737,023	2,153,632	1,416,609
Table 2 - PRINCIP.	AL STATI	STICS, BY H	PROVINCE	5. 1931 and	1 1932.		
			Average			Selling	Value
	Number	Capital	number	Salaries	Cost of	value of	added by
Years	of	employed		and	materials	products	manu-
	plants		ployees	wages	at works	at works	facturing
		4		\$	f	\$	\$
1931							
Quebec	3	136,832	47	70,808	44,645	215,474	170,829
Untario	14	2,093,819	300	608,227	676,799	2,005,347	1,328,548
British Columbia.	3	27,524	10	12,561	14,250	32,550	18,300
New Brunswick	1)	61,487	13	17,779	26,418	55,691	29,273
Manitoba	2)						
CANADA	23	2,319,662	370	709,375	762,112	2,309,062	1,546,950
1932							
Quebec	4	145,716	46	67,829	32,730	189,858	157,128
Ontario	15	2,257,372	306	576,514	668,070	1,886,610	1,218,540
New Brunswick	1)						
Manitoba	2)	92,285	21	27,282	36,223	77,164	40,941
British Columbia.	2)						
CANADA	24	2,495,373	373	671,625	737,023	2,153,632	1,416,609
man e othermer	מויים העייו	D 1021	1020				
Table 3 - CAPITAL		lands, Im		ralue Inge	entory Ope	erating capi	tal
		اللك و توليلتانك				ash, bills a	
		s. of	material	s on vali	16 0 1 11.3		
	building.	*	material			counts recei	
Provinces r	building.	y, har	nd and st	tocks fini	Ished acc		v- CAPITAL
Provinces I	building machiner; tools and	y, har d other in	nd and st	tocks fini	ished account abl	counts recei	v- CAPITAL EmpLOYEI
Provinces r	building,	y, har d other in	nd and st	tocks fini	ished account abl	counts recei	v- CAPITAL EMPLOYED
Provinces r	building. machiner; tools and equipment	y, her d other in	nd and st	tocks fini	Ished accidents ablusts exp	counts recei le, prepaid penses, etc.	v CAPITAL EMPLOYED
Provinces r	building. machiner; tools and equipment 48	y, har d other in t	process	tocks fini	shed accounts ablusts and exp	counts recei	CAPITAL EMPLOYED
Provinces 1 1931 Quebec	building. machiner; tools and equipment 48 1,262	y, har d other in t ,359 ,077	nd and st	tocks fini proc on t	incts ablusts exp	counts recei le, prepaid penses, etc. \$ 44,466	CAPITAL EMPLOYED) 136,832 2,093,819
Provinces r	building machiner tools and equipment 48 1,262	y, har d other in t	\$ 30,027	tocks fini proc on h	ished accidents about and exp	counts recei le, prepaid penses, etc. 44,466 465,034	v CAPITAL EmpLOYED

May 15- 33. Sus.

Table 3 - CAPITA	. PMPL	OY.J)	1931 61	nd 1932	3	ol no	had.				
abie o - omilin		of la		Invento				torv	Upen	ating capita	al
		ings,		of mate			value	-		h, bills and	
rovinces		nery,		nand an			finis			unts receiv-	
TOATUCES		and o		in proc		CAS					
			mer 1	ru brae	ess		produ			, prepaid	EMPLOYE
	equip	-			d>		on ha	na	expe	nses, etc.)	-
3000		Ş			do.		1			SW.	₩
1932											
uebec		52,062			,135			390		56,129	145,716
ntario	1,2	84,863		280	,022		92,0	019		600,468	2,257,372
ther provinces.		38,512		22	.082		7,	316		24,375	92,285
CANADA	1,3	75,437		332	, 239		106,	725		680,972	2,495,373
able 4 - Employ.	eks. s	ALARIE:	S AND V	AGES.	1931	and	1932.				
C D 1		NUMBER		EMPLO		CIIC	LUCKO	S	ALAR	IES AND	WAGES
rovinces		laries						-		10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
TOATHCOD		lemale		Female	TO	TAL		Salari	BC	Wages	TOTAL
	Male.	- Omate	mare	Lomalt	10	Y KILL		¢	.00	nages \$	¢ ¢
1021								₩		₩	₩
1931	10	7	2.0	7.4		4.53		4.17	3.5	00 007	70.000
uebec	18	3	12	14		47		43,8		26,993	70,808
ntario	89	29	174	8		300		363,9		244,240	608,227
ritish Columbia	4	0.00	6	• • •		10		6,9		5,617	12,561
ther provinces.	5	1	7	000	10/12	13		12,4	60	5,319	17,779
CANADA	116	33	199	22		370		427,2	06	282,169	709,375
1932											
uebec	16	6	14	10		46		41,9	22	25,847	67,829
								-			
ntario	89	28	181	8		306		331,5		245,013	576,514
ther provinces.	7	1	13	20		21		15,3		11,939	27,282
CANADA		35	208	18		373		388,8	20	282,799	671,625
able 5 - WAGE E	HUNCHS	DY MI	JNTHS,	1931 a		32. 1			1	9 3 2	
onths			Male	Fe	male		TOTAL	ida	le	Female	TOTAL
A MILLOWS!			197		21		218	2	06	17	223
anuary			198		21		219		06	17	223
ebruary											
arch			194		21.		215		05	17	222
pril			194		21		215		06	18	224
ay coopposition	00000	•	196		22		218		05	22	227
une		0	198		23		221		10	22	232
uly occommon	000000	0	200		24		224	2	07	20	227
ugust			199		23		222	2	07	19	226
eptember			197		24		221		10	20	230
ctober			200		23		223		10	20	230
ovember			195		22		217		06	15	221
			197		20		217		07	14	221
AVERAGE					22		221		08	18	226
AVERAGE		•	199		~~		For Frede		00	10	, khu
able 6 - NUMBER	OF WAG										
					WEEK	, 19				ot included)	
egular hours			Number				Regular		S		Number of
er week		W.E	ge-ear	ners			Der We	eek		W8	ge-earners
I house on laws			3				48 hour	rs	0000	2000000	111
hours or less			8							0 * 4 4 5 6 7 5	25
1 43 hours											6
4 hours			33				01 04	2 HOM.	6) 0 ¢		

45 - 47 hours

Tahle	7	FIMI.	ANT	ELECTRI	CITY	1931	and 10	20
Table		T. CARRY	TITLE	AMERICAN COLUMN	CTTT.	TOST	and 19	226.0

		1 9	3 1	1 9 3	2
Kinds	Unit of		Cost at		Cost at
	measure	Quantity	works	Quantity	works
			\$		\$
Bituminous coal - Canadian	short ton	258	1.,728	125	1,255
Imported .,	short ton	1,074	6,677	1,352	8,048
Anthracite coal	short ton	52	798	58	855
Lignite coal - Imported	short ton	9	130	200	6 3
Coke	short ton	17	123	13	152
Gasoline	Imp. gal.	10	3	50	11
Kerosene	Imp. gal.	0.0.5	9 64 2	25	8
Fuel oil	Imp. gal.	400	39	2,500	242
Wood	cord	\$ 10	0 + 0 0	4	32
Gas - Manufactured	in cu.ft.	320	338	535	552
Electricity purchased	K.W.H.	898,774	16,484	1,068,407	19,412
TOTAL	yehr.	5 9 0	26,320	0 0 0	30,567

Table 8 - POWER EMPLOYED, 1931 and 1932.

	_ 1 9	3 1	1	9 3 2
Kinds	Number of	Total rated	Number of	Total rated
	units	horse power	units	horse power
Steam engines and steam turbines	. 1	40	1	40
Gasoline, gas and oil engines	. 1	4	1	4
Electric motors operated by purchased power	r 160	1,353	180	1,508
Total power employed	. 162	1,397	182	1,552
Boilers	. 6	325	3	21.5

Table 9 - MATARIALS USED IN MANUFACTURING, 1931 and 1932.

	1 9	3 1	1 9	3 2
Materials Unit of		Cost at		Cost at
measure	Quantity	works	Quantity	works
		\$		\$
Carbon black lb.	699,808	36,400	565,284	31,569
Dry colours lb.	1,001,656	314,012	1,045,714	321,945
Glue lb.	81,056	23,300	66,968	17,715
Glycerine lb.	140,176	17,634	119,700	13,734
Oils and varnishes	9 p 0	183,652	***	174,196
Other materials	500	78,254	FK4.	78,051
Containers, etc.	0.00	108,860	J o n	99,813
TOTAL	0.00	762,112	434	737,023

Table 10 - PRODUCTS WADE, 1931 and 1932.

	1	9 3 1	11	9 3 2
Products		Selling val	ue	Selling value
	Quantity	at works	Quantity	at works
		\$		\$ `
Inks, printers and lithographinglb.	7,563,426	1,787,304	7,218,257	1,679,775
Inks, writing (1)	0.00	198,375	300	177,913
Printers' rollers and composition .1b,	342,741	209,496	300,785	194,860
Mucilage and paste and paste powder -) v :	33,785	0.01	33,503
All other products(x)	4:4	80,102	0 7 0	67,581
TOTAL OLONOSOSSOSSOSSOS	200	the same of the sa	203	2,153,632

(1) In addition to the writing inks made in this industry, there was an output valued at about \$163,700 by firms which made pencils and fountain pens as their main product and which, therefore, were not included in the Inks Industry

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

TOTAL PRODUCTION OF PRINTING INKS AND PRINTERS ROLLERS IN CANADA 1920-1932

TSDIE II - INCRE LIMINOCTION OF LITTRILING THE			
	Printing in	KS	Printers rollers and
Years	Pounds	\$	composition
			\$
1920	440	1,459,054	216,923
1921.	0 2 5	1,176,056	203,232
1922	> 0	1,356,262	173,915
1923	000	1,385,492	214,827
1924		1,351,008	206,574
1925 4	,981,364	1,442,512	214,222
	,687,860	1,554,835	228,976
1927	, 544, 532	1,813,977	245, 283
1928 7	,607,566	2,026,637	280,764
1929 , , , , , , , , , , , , , , , , , ,	,146,912	2,158,522	298,107
1930	,691,735	1,951,245	247,829
	,563,426	1,787,304	209,496
1932 7	,218,257	1,679,775	194,860
	Y 34		

Table 12 - IMPORTS OF INKS INTO CANADA 1931 and 1952.

		1 9	3 1	1 9	3 2
		Pounds	Value	Pounds	Value
	CONTRACTOR OF THE PARTY OF THE		\$		\$
Printing inks-	TUTAL	946,386	287,730	568,121	245, 247
	United Kingdom	51,706	40,862	77,066	55,037
	United States	886,644	244,356	486,996	188,520
	Other countries	8,036	2,512	4,059	1,690
Writing inks -	TUTAL	0 4 0	35,177	0 9 8	29,532
	United Kingdom	000	8,759	200	10,261
	United States	0 0 0	24,807	00 +	17,627
	Other countries	0 0 0	1,611		1,644

DIRECTORY OF FIRMS IN THE INS INDUSTRY, 1932,

Name

(a) Printing Inks and Rollers

Address

Johnson, Ensley B. (x) Frontenac Ink Works Ltd. Robertson, J. S. (x) Ault & Wiborg Co, of Canada, Ltu, Bush Ltd., Chas. Canada Printing Ink Co. Ltd. Canadian Fine Color Co. Ltd Dominion Printing Ink & Color Co. Ltd. Federal Inks Limited, The General Printing Ink Corp. of Canada, Ltd. Hoops Printing Ink Co. Ltd. Manton Brothers Peerless Printing Inks Ltd. Sleight Metallic Ink Co. of Canada, Ltd. Sinclair & Valentine Co. of Canada, Ltd. Printers Rollers Co. (x) Columbia Printing Ink & Roller Co. (x) These firms did not manufacture inks but made only printers' rollers,

45 Kennedy St., Saint John, N.B. 1161 William St., Montreal, P.Q. 175 Lagauchetiere St. W., Montreal, F.Q. 82 Peter St., Toronto, Unt. 105 Davenport Rd., Toronto, Unt. 15 Duncan St., Toronto, 2, Ont. 240 Logan Ave., Toronto, Unt. 128 Pears Ave., Toronto, Ont. 40 St. Patrick St., Toronto, Unt. 176 John St., Toronto, Ont. 9 St. Clair E., Toronto, Ont. 105 Elizabeth St., Toronto, Unt. 127 Peter St., Toronto, Ont. 366 Adelaide St. W., Toronto, Ont. 233 Richmond St. W., Toronto, Ont. 175 McDermot Ave., Winnipeg, "an. 1260 Hamilton St., Vancouver, "....



DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1932. concluded.

Name

Address

(b) Writing Inks(1)

Carter's Ink Co., The
La Cie Techno Chimique Massé
Blue Bird Ink Co. Ltd.
Poole & Company, J.E.
Reeves Ink Co.
Reliance Ink Co. Ltd.
Peerless Products Ltd.

4501 Drolet St., Montreal, P.Q. 204 St. Joseph St., Lachine, P.Q. 124 Richmond St. W., Toronto, Ont. 18 Holly St., Toronto, Ont. 145 Wellington St. W., Toronto, Ont. 520 McGee St., Winnipeg, Man. 1642 Pandora St., Vancouver, B.C.

(1) In addition to these concerns the following firms produced writing inks but did not make inks as their main product and therefore were not classified under the Inks Industry:-

L. E. Waterman Co. Ltd. W. A. Sheaffer Pen Co. of Canada, Ltd. 2 Waterman St., St. Lambert, P.Q. 169 Fleet St. W., Toronto, Ont.