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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

FORESTRY BRANCH

REPORT

on the

COOPERAGE INDUSTRY

in

CANADA

1932

(Subject to revision on further examination of individual reports)

♦ ♦ ♦

Published by Authority of the Hon. H.H. Stevens, M.P.

Minister of Trade and Commerce.

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OTTAWA

1934

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NOTE: - Production figures as given in this bulletin do not necessarily represent the total output in Canada of the commodities listed, as there may be also a considerable production in other industrial groups. For complete information this bulletin must be read with the rest of the series of wood-using industries and other publications of the Census of Industry.

Published by Authority of the Hon. H. H. Stevens, M.P.,
Minister of Trade and Commerce

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS - CANADA
FORESTRY BRANCH

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Forestry Statistics: R. G. Lewis, B.Sc. F.

COOPERAGE AND COOPERAGE STOCK, 1931 AND 1932.

Ottawa, March, 1934.- A report on the cooperage industry has just been completed by the Forestry Branch of the Dominion Bureau of Statistics. This report includes statistics on the manufacture of staves, hoops and heading and the manufacture of barrels, kegs, etc., from these materials.

COOPERAGE STOCK

The manufacture of cooperage stock is carried on by stave, heading and hoop mills which specialize in these products and also by sawmills and other wood-using industries which manufacture them as a side line or by-product. Statistics of this branch of the industry are not separable from those of the sawmills, for example, except in connection with the products manufactured. The figures given in Table 9, while not complete, include most of this material manufactured in Canada in 1931 and 1932 reported by stave, heading, hoop and sawmills.

COOPERAGE

Cooperage products are divided into two classes depending on whether the barrels or casks are to be used to contain liquid or dry products. Tight cooperage includes all water-tight barrels while slack cooperage refers to barrels suitable as containers for apples, flour, lime, cement, etc.

The number of establishments reporting under this group in 1932 was 73.

The industry in 1932 gave employment to 464 workers and paid \$419,514 in wages and salaries. The total capital invested was \$1,834,354 in 1932.

The raw materials used in this industry consist chiefly of staves, hoops and heading together with hoop iron, wire, hardware, paints and oils. Some of the cooperage plants manufacture their own staves and heading in the same establishment as that in which the barrels are assembled. These firms purchase logs, bolts and lumber in addition to the raw materials mentioned above. The total value of all materials used in the industry in 1932 was \$801,991 of which \$619,886 was paid for cooperage stock.

The products of this industry are barrels for containing oil, vinegar, alcoholic liquors, pork, fish, etc., casks for wines; puncheons and other tight cooperages as well as barrels for apples, potatoes, sugar, flour, lime and cement; nail kegs and other slack cooperage. They also include such miscellaneous products as butter tubs, churns, buckets, tanks, etc. Some of the combined mills produce a surplus of cooperage stock above their own requirements and report staves, heading and hoops among their products. The total value of all products of the industry in 1932 was \$1,514,223.

It should be borne in mind that the figures given in connection with this industry refer only to mills which specialize in this class of products. There are a number of cases where manufacturers of nails for example buy cooperage stock and assemble nail kegs in their own factories, which are not classed as cooperages. There are a number of cases where other wood-using industries manufacture stock and assemble barrels as a side line and there are a large number of barrels assembled by hand or with very simple machinery by farmers and fruit growers. All the cooperage assembled in this way is not included in the figures in this report.

The following tables include a summary of the principal statistics of the new group, the distribution of its mills, employment, wages and salaries, capital invested, fuel used, power employed, materials used and products manufactured.

THE COOPERAGE INDUSTRY

Table 1... Principal Statistics, 1931-1932.

Items		1931	1932
Establishments	No.	73	73
Capital Invested	\$	1,986,815	1,834,354
Employees on salaries	No.	94	96
Salaries paid	\$	127,370	137,573
Employees on wages	No.	414	368
Wages paid	\$	341,451	281,941
Fuel used	\$	13,991	14,287
Power employed	H.P.	1,961	2,219
Electricity purchased	K.W.H.	376,095	309,695
Electricity purchased	\$	10,723	9,549
Cost of materials	\$	1,095,639	801,991
Value of products	\$	1,954,192	1,514,223

Table 2. - Distribution of Establishments by Provinces, 1931 and 1932.

Provinces		1931	1932
CANADA		No.	No.
Prince Edward Island		73	73
Nova Scotia		2	1
New Brunswick		22	21
Quebec		4	5
Ontario		9	11
Manitoba		31	29
British Columbia		2	2
		3	4

Table 3. - Capital Invested, 1931 and 1932.

Items		1931	1932
TOTAL	\$	1,986,815	1,834,354
Land, buildings and fixtures		776,966	794,281
Materials on hand, stocks in process, etc.		441,480	420,419
Value of finished products on hand		106,906	59,492
Cash, trading and operating accounts		661,463	560,162

Table 4. - Employment, 1931-1932.

Classes of Employees	Total Number of Employees		Males		Females		Total Salaries and Wages	
	1931	1932	1931	1932	1931	1932	1931	1932
	No.	No.	No.	No.	No.	No.	\$	\$
TOTAL	508	464	497	457	11	7	468,821	419,514
Salaried employees ..	94	96	86	89	8	7	127,370	137,573
Wage-earners	414	368	411	366	3	-	341,451	281,941

THE COOPERAGE INDUSTRY

Table 5. -- Fuel Used, 1931 and 1932.

Kind of fuel		Quantity		Value	
		1931	1932	1931	1932
T O T A L		-	-	13,991	14,287
Bituminous coal - Canadian	Ton	254	136	1,151	957
" " - Imported	"	986	1,237	6,441	6,978
Anthracite coal	"	14	14	183	183
Lignite coal - Canadian	"	-	-	-	-
" " - Imported	"	-	-	-	-
Coke	"	185	253	1,808	2,363
Gasoline	Gal.	126	630	36	147
Fuel oil and diesel oil (not including lubricating oil)		-	-	-	-
Kerosene or coal oil	Gal.	-	120	-	26
Wood	Cord	307	258	1,496	1,200
Mill waste		-	-	378	1,173
Gas, manufactured	M.cu.ft.	335	326	335	260
Other fuel		-	-	1,563	1,000

Table 6. -- Power Employed, 1931 and 1932.

	Number of Units		Total H. P.	
	1931	1932	1931	1932
Total Power Used	91	106	1,961	2,219
Steam engines and turbines	14	20	1,070	1,252
Oil, gas and gasoline engines	4	4	41	42
Hydraulic turbines or water wheels	1	6	35	154
Electric motors purchased power	72	76	815	771
Electric motors generated power	1	1	25	25
Boilers installed	18	14	1,502	972

Table 7. -- Materials Used, 1931 and 1932.

Kind		Quantity		Value	
		1931	1932	1931	1932
				\$	\$
Staves, slack	No.	25,843,850	18,966,960	264,666	194,988
Heading, slack	Sets	2,166,485	1,589,902	150,194	118,373
Staves, tight	No.	9,472,620	7,231,071	277,755	202,243
Heading, tight	Sets	313,514	259,968	96,482	53,158
Wooden hoops	No.	5,689,048	3,956,831	75,222	51,124
Lumber or logs, softwood (pine, spruce, etc.)	M ft.b.m.	220	535	4,593	8,464
Lumber or logs, hardwood (birch, oak, basswood, etc.)	" " "	959	492	29,834	15,755
Bolts, etc. (softwood)	Cords	4,731	6,379	25,971	31,275
Bolts, etc. (hardwood)	"	1,400	725	8,600	3,850
Veneer and plywood	M sqft.ft.	157	123	6,824	3,697
Barrels etc. purchased for repairing or remaking		-	-	13,859	18,247
All other materials, including wire hoops, containers and mill supplies	(Value only)	-	-	141,539	100,817
T O T A L		-	-	1,035,639	801,991

THE COOPERAGE INDUSTRY

Table 8. - Products Manufactured, 1931 and 1932.

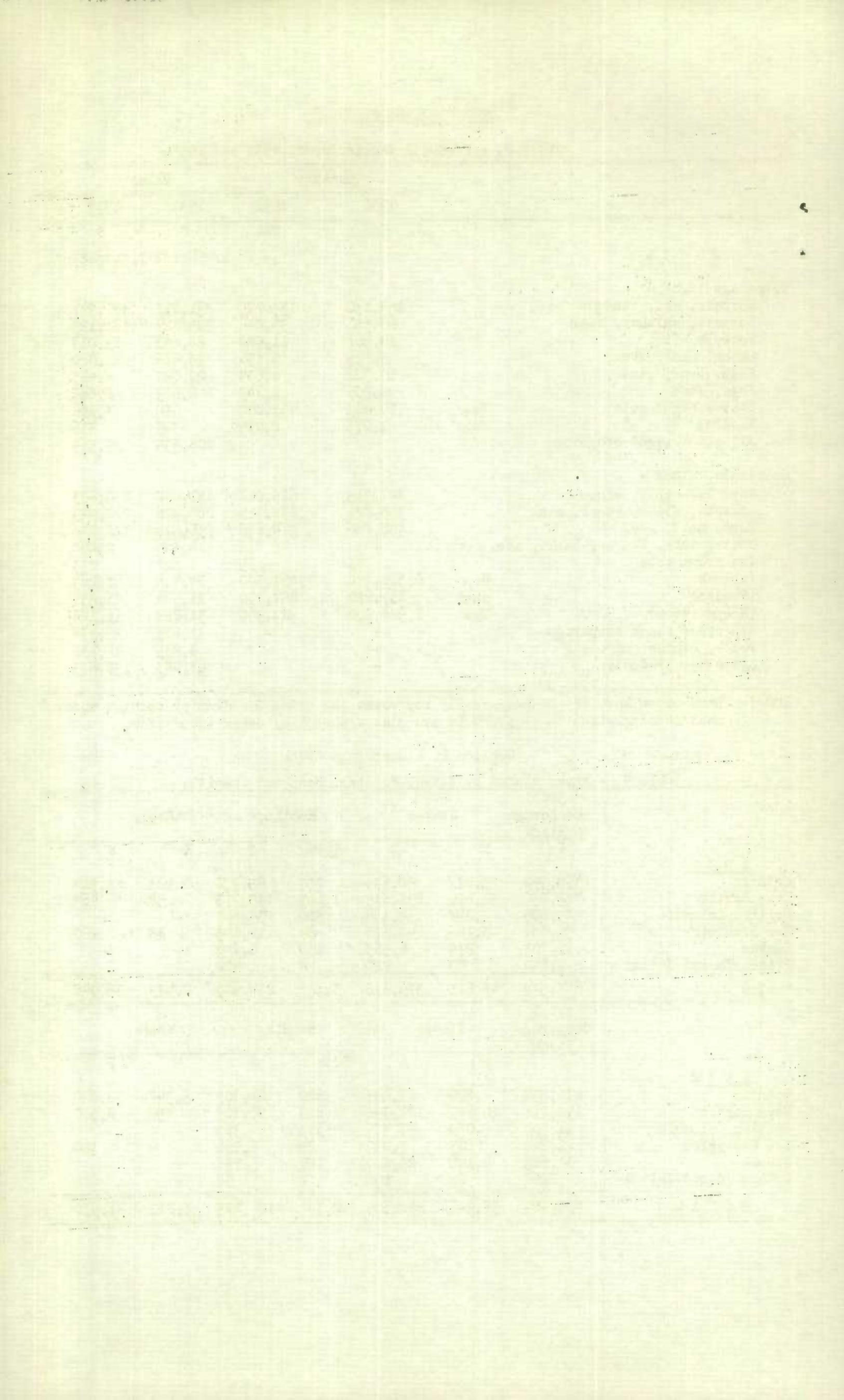
	Quantity		Value	
	1931	1932	1931	1932
	No.	No.	\$	\$
T O T A L	-	-	1,954,192	1,514,223
Cooperage tight -				
Barrels, oil, vinegar, etc.	154,170	153,726	331,253	327,997
Barrels, whiskey, beer	64,718	36,846	305,524	161,123
Barrels, fish	14,567	11,288	28,693	13,017
Casks, wine, etc.	5,795	5,176	13,222	11,020
Kegs, beer, etc.	10,502	1,634	27,041	8,543
Kegs, fish	2,505	1,749	2,639	2,842
Staves tight sold	No. 10,000	153,000	650	7,196
Heading " "	sets 1,075	2,035	345	516
All other tight cooperage	-	-	108,539	119,569
Cooperage, slack -				
Barrels, apple, etc.	827,715	625,018	387,842	270,603
Barrels, flour, sugar, etc.	335,821	288,913	289,976	228,943
Kegs, nail, etc.	778,246	514,650	236,618	178,348
Butter tubs, churns, tanks, etc.	-	818	4,345	2,460
Ice cream tubs	71	65	127	153
(Staves	No. 6,308,550	4,261,500	74,418	47,249
(Heading	sets 217,280	267,130	21,544	27,533
(Hoops (wood)	No. 1,508,000	707,990	31,285	11,122
All other slack cooperage	-	-	41,813	26,378
Boxes, crates and cases	-	-	4,835	10,738
All other products	-	-	43,483	58,873

NOTE:- Data given here do not necessarily represent the total Canadian production under each heading since these products are also reported by other industries.

Section 2. - Cooperage Stock

Table 9. - Manufactured by Stave, Heading, Hoop and Sawmills

	Total							
	Cooperage Stock		Staves		Heading		Hoops	
	\$	M	\$	Sets	\$	M	\$	
<u>1931</u>								
Ontario	133,790	3,077	32,694	757	65,772	2,903	35,324	
Nova Scotia	352,056	32,675	231,819	1,669	119,773	52	464	
British Columbia	89,805	8,048	54,144	510	35,661	-	-	
New Brunswick	56,081	3,756	44,678	87	11,143	18	260	
Quebec	12,703	975	6,563	130	6,140	-	-	
Prince Edward Island	1,140	80	720	4	420	-	-	
T O T A L	645,575	48,611	370,618	3,157	238,909	2,973	36,048	
<u>1932</u>								
Cooperage Stock		Staves		Heading		Hoops		
\$	M	\$	Sets	\$	M	\$		
Ontario	171,594	8,200	58,045	600	44,309	3,347	39,240	
Nova Scotia	192,011	20,689	121,792	1,219	67,709	456	2,510	
British Columbia	81,702	5,084	47,377	373	34,325	-	-	
New Brunswick	9,244	305	7,070	25	1,994	9	180	
Quebec	31,625	4,146	25,827	129	5,798	-	-	
Prince Edward Island	238	22	195	1	90	-	-	
T O T A L	486,464	38,946	290,309	2,347	154,225	3,812	41,930	



COOPERAGE WAS THE PRINCIPAL PRODUCTS OF THE FOLLOWING FIRMS IN 1932

PRINCE EDWARD ISLAND

St. John, Jas. R.

Souris

NOVA SCOTIA

• Armstrong, Leslie M.
Baker and Loomer
Foyland, F. E.
Burke, A. J. & Co.
Compton, R. J.
Cook, A. V.
Farmers Cooperage Ltd.
(Dominion Cooperage Co. Ltd.
(Greif Bros. Cooperage Co.
Hartlen, Wallace C.
Lantz, Elmer C.
Lunenburg Cooperage (C.W. Seaboyer)
Melanson Fruit Co., Ltd.
Melvin Bros.
Millett, Judson, S.
North Kingston Co. Ltd.
Robin, Jones and Whitman Ltd.
Sawler, M. D.
Smith, J. Chandley
Weston Fruit Co. Ltd.
Wood and Porter
Zwicker, J. Malcolm

R.R. No. 6, Kingston
Falmouth
New Ross
136 Lower Water St., Halifax
Compoerville
Waterville
Berwick

Sydney
Milton
R. R. No. 1, Greenwich
31 Montague St., Lunenburg
Melanson
Canning
Gaspereau
Kingston
114-120 Lower Water St., Halifax
Somerset
Dock St., Shelburne
Weston
Centreville
Mahone Bay

NEW BRUNSWICK

Acadia Sugar Refining Co. Ltd.
(Dominion Cooperage Co. Ltd.
(Greif Bros. Cooperage Co.
Hubbard, R. D. W.
Little, Clarence
River Valley Lumber Co. Ltd.

H.O. Halifax, N.S. Box 205, Moncton

Saint John
Oromocto, R.R. 1
Harvey Sta.
Oromocto

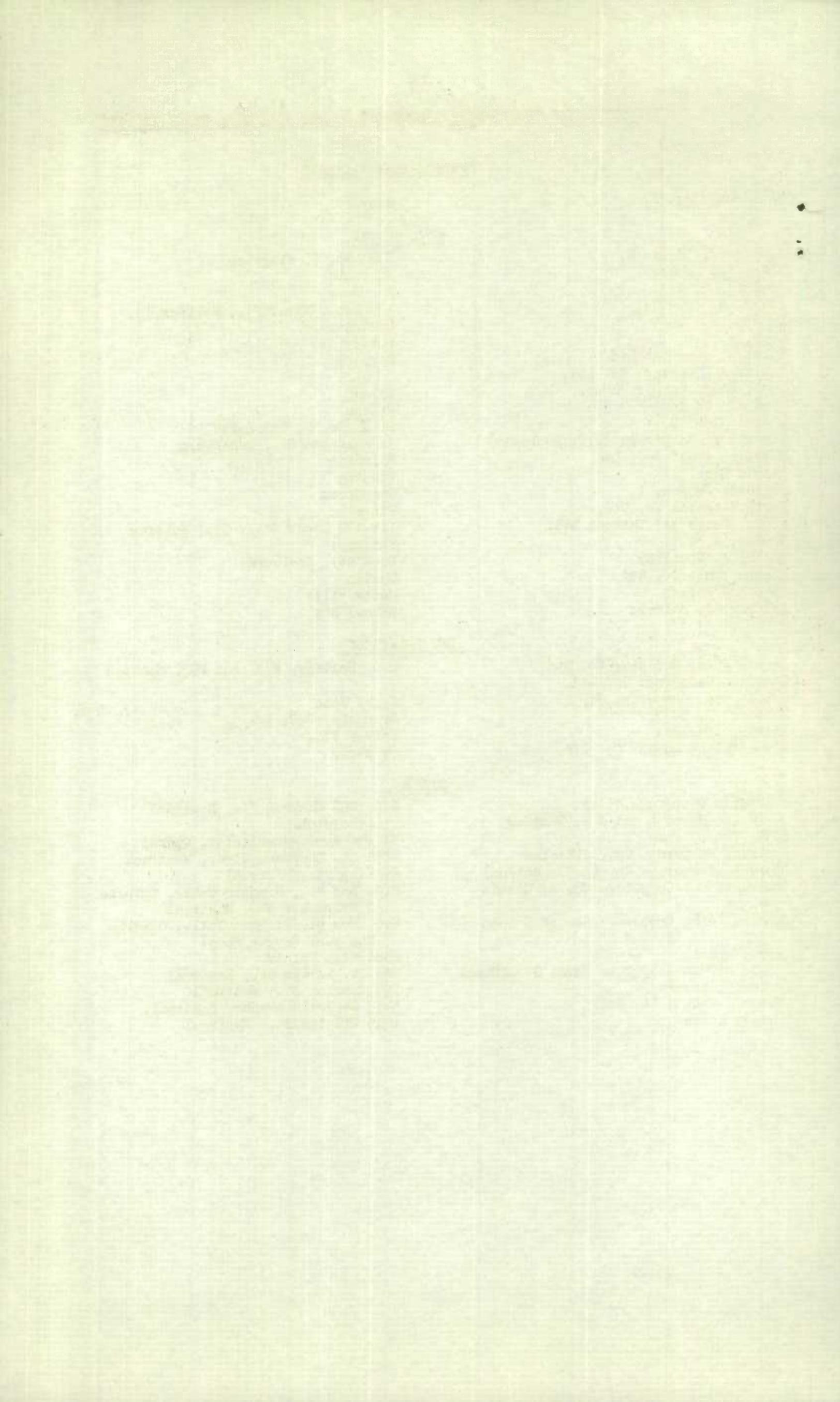
QUEBEC

Athelstan Cooperage Mills
(H.A. Hampson and A.N. Paxton)
Côté, Louis, Surg.
Dominion Cooperage Co., J.Kraims
Imperial Cooperage Co. (A.F. Addison)
International Cooperage Co. of Canada

International Cooperage Co. of Canada

Leduc, Azarie
Donald McCunn Cooperage (Mrs. G. McCunn)
Paxton Cooperage
Paxton, John & Co. Ltd.
Turner, Harry

H.O. 298 Charron St., Montreal
Athelstan
83 rue Sault-au-Matelot, Québec
4254 St. Lawrence Blvd., Montreal
20 King St., Montreal
H.O. Box 41, Niagara Falls, Ontario
30 Seigneurs St., Montreal
H.O. Box 41, Niagara Falls, Ontario
Montreal (Sugar Shop)
Mont St., Hilaire
254 St. Martin St., Montreal
298 Charron St., Montreal
5435 Casgrain Avenue, Montreal.
1215 William St., Montreal



COOPERAGE WAS THE PRINCIPAL PRODUCT OF THE FOLLOWING FIRMS IN 1932 (Concluded)

ONTARIO

Canada Barrels and Kegs Limited	Shantz Ave., Waterloo
Crosbie, E.A.	87 Water St., Simcoe
Cuntz, J. H.	Conestogo
Davies, D.	Waterdown
Edwards, Geo. A.	Colborne
Edwards, Ira	Colborne
Franch, J. G.	Melville, Consocon, R.R. 2
{ Dominion Cooperage Co., Ltd.	
Grief Bros. Cooperage Co.	Hamilton, Cardinal
Hynes, John	H.O. Sarnia, Point Edward
International Cooperage Co. of Canada, Ltd.	Tillsonburg and Toronto, H.O. Box 41, Niagara Falls
Johnson, E.S. (Grimsby Barrel Factory)	Grimsby
Kingdon, G. S.	Peterboro
Lake of the Woods Milling Co., Ltd.	Keewatin, H.O. 460 John St., Montreal, Que.
Londreville, Jos. & Sons, Ltd.	133 Tecumseth, Toronto 3
Leggatt Bros.	Box 464 Collingwood
London and Detrolia Barrel Co., Ltd.	763 Little Simcoe St., London
McElroy, H.	Blyth
McNish, J.	Smith's Falls
McVittie, Edward	63 East 23rd St., Hamilton
Milligan, G. Leo., Co.	Andrew, St., Orillia,
Pickell, Wm.	McHenry St., Forest
Pringle, W. J.	R.R. No. 5, Picton
Reid Bros.	Bridge St., Picton
Snelgrove, Fred	Brighton
Stanton, T. C.	Box 324, Brighton
Toronto Cooperage Co.	2197 St. Clair Ave. W., Toronto
Trenton Cooperage Mills, Ltd.	Wragge St., Trenton

MANITOBA

Manitoba Cooperage, J. Kane)	Impress St., off Dublin Ave, Notre Dame
Western Canada Flour Mills Co. Ltd.	East and Notre Dame Winnipeg, St. Boniface, H.O. Toronto, Ont.

BRITISH COLUMBIA

Canadian Western Cooperage Ltd.	H.O. Ft. of Smythe St., Vancouver and Industrial Reserve, Victoria.
Reid, W. F.	1549 Main St., Vancouver.
Vancouver Barrel and Keg Co.	2096 - W. 10th Ave., Vancouver

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