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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
FOREST PRODUCTS BRANCH

PRELIMINARY REPORT
on the
COOPERAGE INDUSTRY
in
CANADA
1927--1928

(Subject to revision on further examination of individual reports)

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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 on wood-using industries and other publications of the Census of Industry.

DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY - FOREST PRODUCTS BRANCH
OTTAWA - CANADA

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COOPERAGE AND COOPERAGE STOCK, 1927 and 1928.

Ottawa, March 5, 1930. - A report on the cooperage industry has just been completed by the Forest Products 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 specialise in these products and also by sawmills and other wood using industries which manufacture them as a side line or by-product. Statistics which concern 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 I while not complete, include most of this material manufactured in Canada in 1927 and 1928 as reported by stave, heading and hoop mills, sawmills, box factories, sash and door mills and the surplus stock manufactured for sale in combined cooperage stock and barrel manufacturing plants.

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.

Table 2, which accompanies this report gives the principal statistics of the cooperage plants in Canada and Table 3 gives their distribution by provinces.

The industry in 1928 gave employment to 602 workers and paid \$604,979 in wages and salaries. The total capital invested was \$2,236,754 in 1928.

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 1928 was \$2,382,415 of which \$1,894,350 was paid for cooperage stock.

Table 5 gives details concerning the products of cooperages in 1928.

The products of this industry are barrels for containing oil, vinegar, alcoholic liquors, pork, fish, etc., casks for wines; puncheons and other tight cooperage 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 1928 was \$3,597,489.

It should be borne in mind that the figures given in connection with this industry refer only to mills which specialise 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 cooperage 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.

Tables 6, 7 and 8 give details concerning capital employed, fuel and power used in the industry.

THE COOPERAGE INDUSTRY

Section 1. - Cooperage Stock

Table I.- Cooperage Stock Manufactured, 1927 and 1928.

	Total Cooperage Stock	Staves		Heading		Hoops	
	\$	M	\$	Sets	\$	M	\$
<u>1927</u>							
Ontario & Manitoba	376,016	22,928	194,433	643	66,032	7,444	115,551
Nova Scotia	150,234	11,536	99,091	569	51,143	-	-
British Columbia	478,642	16,608	368,272	2,586	110,370	-	-
New Brunswick	12,700	494	5,070	87	7,010	46	620
Quebec	24,651	915	8,262	205	14,289	120	2,100
Prince Edward Island	632	36	504	1	128	-	-
T O T A L	1,042,875	52,517	675,632	4,091	248,972	7,610	118,271
	Total Cooperage Stock	Staves		Heading		Hoops	
	\$	M	\$	Sets	\$	M	\$
<u>1928</u>							
Ontario & Manitoba	299,206	11,188	106,624	6,808	103,356	1,086	89,226
Nova Scotia	130,701	11,055	89,424	120	1,200	466	40,077
British Columbia	208,997	5,209	164,017	-	-	927	44,980
New Brunswick	9,913	354	3,193	18	260	86	6,460
Quebec	20,132	1,382	10,812	-	-	148	9,320
Prince Edward Island	1,699	117	1,449	-	-	2	250
T O T A L	670,648	29,305	375,519	6,946	104,816	2,715	190,313

Section 2. - Cooperage

Table 2. - Principal Statistics, 1927 and 1928.

Items		T O T A L	
		1927	1928
Establishments	No.	83	77
Capital invested	\$	2,117,594	2,236,754
Employees on Salaries	No.	49	45
Salaries Paid	\$	88,666	93,899
Employees on Wages	No.	505	557
Wages Paid	\$	467,836	511,080
Fuel used	\$	15,129	15,128
Power employed	H.P.	1,949	2,381
Cost of materials	\$	1,975,925	2,382,415
Value of Products	\$	3,138,542	3,597,489

Table 3. - Distribution of Establishments by Provinces, 1927 and 1928.

Provinces	1927	1928
	No.	No.
CANADA	83	77
P.E.I. - N.S. - N.B.	37	34
Quebec	9	9
Ontario	33	28
Manitoba - British Columbia	4	6

THE COOPERAGE INDUSTRY

Section 2. - COOPERAGE

Table 4. - Materials Used - 1927 and 1928.

Kinds of Materials		Quantity		Value	
		1 9 2 7	1 9 2 8	1 9 2 7	1 9 2 8
				\$	\$
Staves, Slack	No.	33,280,255	37,747,003	421,426	428,863
Heading, Slack	Sets	2,986,881	2,651,667	228,686	208,488
Staves, tight	No.	49,440,350	87,891,920	640,152	857,205
Heading, tight	Sets	541,666	1,120,799	226,026	317,779
Wooden, hoops	No.	6,243,728	6,483,762	89,087	82,015
All other materials	\$	-	-	370,548	488,065
GRAND TOTAL	\$	-	-	1,975,925	2,382,415

Table 5.- Products Manufactured - 1927 and 1928.

		Quantity		Value	
		1 9 2 7	1 9 2 8	1 9 2 7	1 9 2 8
		No.	No.	\$	\$
T O T A L		-	-	3,138,542	3,597,489
Cooperage tight:-					
Barrels, oil, vinegar, etc.		195,745	247,442	550,119	590,044
Barrels, whiskey, beer		143,613	200,166	802,945	1,316,070
Barrels, fish		18,653	10,911	22,202	11,485
Casks, wine, etc.		8,108	32,892	11,468	40,875
Kegs, beer, etc.		5,265	9,312	13,430	31,005
Kegs, fish		510	201	459	218
All other tight cooperage		-	-	326,342	340,708
Cooperage, Slack:-					
Barrels, apple, etc.		780,147	754,156	387,972	371,649
Barrels, flour, sugar, etc.		434,849	425,474	407,817	348,456
Kegs, nail, etc.		988,557	1,294,919	352,518	398,511
Butter tubs, churns, tanks, etc.		-	-	5,013	8,240
Ice Cream tubs		1,415	1,353	3,707	3,964
(Heading	Sets	346,000	427,626	37,130	30,246
(Hoops	No.	2,976,000	1,940,100	36,740	27,146
(Staves	No.	18,150,000	3,381,330	149,500	35,049
Boxes, crates and cases		20,928	27,332	11,750	15,155
All other products		-	-	19,418	28,668

NOTE:

Data given here do not necessarily represent the total Canadian production under each heading since, these products are also listed under other industries.

THE COOPERAGE INDUSTRY

Section 2. - COOPERAGE

Table 6. - Capital Invested - 1927 and 1928.

Items	1 9 2 7	1 9 2 8
	\$	\$
T O T A L	2,117,594	2,236,754
Land, buildings and fixtures	887,790	939,236
Materials on hand, stocks in process, etc.	868,005	787,776
Cash, trading and operating accounts	361,799	509,742

Table 7. - Fuel Used - 1927 and 1928.

Kinds of Fuel	Quantity		Value	
	1927	1928	1927	1928
			\$	\$
T O T A L	-	-	15,129	15,128
Bituminous coal - Canadian	30	18	300	134
" " - Imported	460	550	3,170	4,009
Anthracite coal	-	3	-	51
Lignite coal - Canadian	13	6	156	72
" " - Imported	15	-	135	-
Coke	523	331	4,629	3,095
Gasoline	620	337	178	101
Fuel oil and diesel oil (not including lubricating oil)	-	1,030	-	103
Kerosene or coal oil	15	-	5	-
Wood	833	867	4,521	4,663
Gas, manufactured	-	2,000	-	200
Other fuel	-	-	2,035	2,700

Table 8. - Power Employed - 1927 and 1928.

	Number of Units		Total H. P.	
	1927	1928	1927	1928
Total Power Used	77	98	1,949	2,381
Steam engines and turbines	14	16	995	1,046
Oil, gas and gasoline engines	4	7	21	58
Hydraulic turbines or water wheels	6	3	231	157
Electric motors purchased power	53	72	702	1,120
Electric motors generated power	-	2	-	115
Boilers installed	16	17	1,322	1,377

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COOPERAGE WAS THE PRINCIPAL PRODUCTS OF THE FOLLOWING FIRMS IN 1928.

PRINCE EDWARD ISLAND

St. John, Pat.

Souris

NOVA SCOTIA

Armstrong, Leslie M.
Baker and Loomer
Barkhouse, A. S.
Berwick Cooperage
Burke, A. J. & Company
Comeau, R. J.
Cook, A. V.
Dartmouth Cooperage Company
Gates and Son, Silas
Greif Bros. Cooperage Company
Hardy, Cooperage
Hartlen, Wallace, C.
Hutt, Chas. C.
Kinsman, John
Lantz, Elmer, O.
Lunenburg, Cooperage
McNeill Bros.
Melanson Fruit Company Limited
Melvin Bros.
Millet, Judson S.
North Kingston Company Limited
Orde, Owen
Robin, Jones and Whitman Limited
Sawler, M. D.
Smith, J. Chandley
Smith, Timothy
Weston Fruit Company Limited
Wood and Porter
Zwicker, P. B.

Bloomington and Wilmot Sts., Torbrook Mines.
Falmouth
New Ross
Berwick
138 Lower Water St., Halifax
Comeauville
Waterville
109 Upper Water St., Halifax
Middleton and Port William
Sydney
South Brookfield
Milton
Grafton
Sheffield Mills
R. R. #1, Greenwich
31 Montague St., Lunenburg
Windsor Forks
Melanson
Canning
Gaspereaux
North Kingston
Annapolis Royal
Water Street, Halifax
Somerset
Dock Street, Shelburne
Upper Dyke
Weston
Centreville
Mahone Bay.

NEW BRUNSWICK

Greif Bros. Cooperage Company
Hubbard, R. D. - Burton Company Limited
River Valley Lumber Company Limited

Saint John
Oromocto, R. R. 1
Oromocto.

QUEBEC

Arshinoff and Son, A.
Athelstan Cooperage Mills - H. Hampson
Cote, Mde. Louis
Dominion Cooperage Company
International Cooperage Company Limited
Leduc, A.
McCunn, Donald
Paxton Cooperage
Paxton Company Limited, John

4436 City Hall Avenue, Montreal
Athelstan, Quebec.
83 Rue Sault-au-Matelot
4254 St. Lawrence W., Montreal
30 Seig
Mont. St. Hilaire
254 St. Martin St., Montreal
519 Richmond Street, Montreal
5435 Casgrain Avenue, Montreal.

COOPERAGE WAS THE PRINCIPAL PRODUCT OF THE FOLLOWING FIRMS IN 1928 (Concluded)

ONTARIO

Anderson, J. G. and Son	Havelock Street, Lucknow
Canada Barrels and Kegs Limited	Shantz Avenue, Waterloo
Cole and Cole	Mary Street West, Picton, Ont.
Crosbie, E. A.	98 Water Street, Simcoe
Cuntz, J. H.	Conestogo
Dominion Cooperage Company	Ossington Avenue, Toronto
French Bros.	Melville R. R. 2. - Consecon
Grief Bros. Cooperage Company	Hamilton, Cardinal and Kincardine
International Cooperage Co. of Canada, Ltd.	Tillsonburg
Kingdom Bros.	Peterboro
Lake of the Woods Milling Company Limited	Keewatin
Landreville and Sons, Limited, Jos.	129-135 Tecumseth Street, Toronto 3.
London and Petrolia Barrel Company Limited	763 Simcoe Street, London
McElroy, Wm. H.	Blyth
McVeigh, J. L.	948 Fourth Avenue East, Owen Sound
McVittie, John	H. O. 106 Gladstone Avenue, Hamilton
Milligan Company, G. Leo.	Laclic Street, Orillia, P. O. Box 527.
Pickell, Wm.	McHenry Street, Forest
Pringle, W. E.	Picton, Ontario
Reid Bros.	Bridge Street, Picton
Snelgrove, Fred	Brighton
St. Mary's Cooperage	Queen and James Sts., St. Mary's
Stanton, T. C.	Brighton, Ontario.
Sutherland, Innes Company Limited	Chatham
Trenton Cooperage Mills	Wragge Street, Trenton
Western Canada Flour Mills Company Limited	Rainy River, Ontario.

MANITOBA

Manitoba Cooperage, J. Kane	Empress Street, Winnipeg
Sunset Manufacturing Company	665 Logan Avenue, Winnipeg.

BRITISH COLUMBIA

Canadian Western Cooperage Company	Ft. of Smythe Street, Vancouver
Champion, Chas. B.	2800 Arbutus Street, Vancouver
Fulcher, H.	1123 Homer Street, Vancouver
Reid, W. F.	1549 Main Street, Vancouver.

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