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DEPARTMENT OF TRADE AND COMMERCE
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FOREST PRODUCTS BRANCH

REPORT
on the
COOPERAGE INDUSTRY
in
CANADA
1926-1927

(Subject to revision on further examination of individual reports)

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Minister of Trade and Commerce

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OTTAWA

1929

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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 woodusing 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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Forest Products Statistics:	R. G. Lewis, B.Sc.F.

COOPERAGE AND COOPERAGE STOCK, 1926 and 1927.

Ottawa, March 6, 1929.- 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.

The manufacture of cooperage stock is carried on by stove, 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 below while not complete, include most of this material manufactured in Canada.

In 1927 the lumber industry reported the production of 33,829,000 staves valued at \$519,387; 3,710,000 pairs of heading valued at \$208,342; and 4,634,000 hoops valued at \$81,531. The total value of cooperage stock reported by this industry was \$809,260 of which Ontario contributed over nineteen per cent, Nova Scotia seventeen per cent, British Columbia fifty-nine per cent and Quebec, New Brunswick and Prince Edward Island the remainder.

Table 1, shows the production of cooperage stock in Canada in 1926 and 1927.

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 1927 gave employment to 554 workers and paid \$556,502 in wages and salaries. The total capital invested was \$2,117,594 in 1927.

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 1927 was \$1,975,925 of which \$1,605,377 was paid for cooperage stock.

Table 5 gives details concerning the products of cooperages in 1927.

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 1927 was \$3,138,542.

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 farmer 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 1.- Cooperage Stock Manufactured 1926 and 1927.
as reported by the lumber industry.

	Total Cooperage Stock		Staves		Heading		Hoops
1926	\$		\$		\$		\$
CANADA	510,167	26,248	286,421	1,852	155,045	3,741	68,701
Ontario	154,580	5,552	59,884	333	27,340	3,662	67,356
Nova Scotia	130,704	10,726	91,946	441	38,458	20	300
British Columbia	185,181	8,927	126,166	621	59,015	-	-
New Brunswick	12,410	323	3,305	108	8,385	46	720
Quebec	26,902	710	4,970	347	21,607	13	325
Prince Edward Island	390	10	150	2	240	-	-
1927	\$		\$		\$		\$
CANADA	809,260	33,829	519,387	3,710	208,342	4,634	81,531
Ontario	158,846	5,128	48,133	327	31,902	4,468	78,811
Nova Scotia	141,184	10,913	93,041	539	48,143	-	-
British Columbia	478,642	16,608	368,272	2,586	110,370	-	-
New Brunswick	12,200	444	4,570	87	7,010	46	620
Quebec	17,756	700	4,867	170	10,789	-120	2,100
Prince Edward Island	632	36	504	1	128	-	-

Section 2. - Cooperage

Table 2. - Principal Statistics - 1926 and 1927.

Items		TOTAL	
		1926	1927
Establishments	No.	80	83
Capital Invested	\$	1,994,010	2,117,594
Employees on Salaries	No.	43	49
Salaries Paid	\$	86,893	88,666
Employees on wages	No.	484	505
Wages paid	\$	439,288	467,836
Fuel used	\$	16,333	15,129
Power employed	H.P.	2,024	1,949
Cost of materials	\$	1,702,968	1,975,925
Value of products	\$	2,573,696	3,138,542

Table 3.- Distribution of Establishments by Provinces, 1926 and 1927.

Provinces	1926	1927
	No.	No.
CANADA	80	83
P.E.I. - N.S. - N.B.	37	37
Quebec	8	9
Ontario	31	33
Manitoba - British Columbia	4	4

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THE COOPERAGE INDUSTRY
Section 2.- COOPERAGE

Table 4. - Materials Used - 1926 and 1927.

Kinds of Materials		Quantity		Value	
		1926	1927	1926	1927
Staves, Slack	No.	29,357,214	33,280,255	\$ 352,022	\$ 421,426
Heading, Slack	Sets	1,982,817	2,986,881	197,532	228,686
Staves, tight	No.	24,010,135	49,440,850	505,883	640,152
Heading, tight	Sets	830,017	541,666	191,202	225,026
Wooden, hoops	No.	9,847,528	6,243,728	164,639	89,087
All other materials	\$	-	-	291,690	370,548
GRAND TOTAL	\$	-	-	1,702,968	1,975,925

Table 5.- Products Manufactured - 1926 and 1927.

		Quantity		Value	
		1926	1927	1926	1927
TOTAL		No. -	No. -	\$ 2,573,696	\$ 3,138,542
Cooperage tight:-					
Barrels, oil, vinegar, etc.		195,486	195,745	617,850	550,119
Barrels, whiskey, beer		72,752	143,613	321,812	802,945
Barrels, fish		47,275	18,653	50,292	22,202
Casks, wine, etc.		12,405	8,108	26,444	11,468
Kegs, beer, etc.		6,206	5,265	21,655	13,430
Kegs, fish		7,956	510	9,935	459
All other tight cooperage		-	-	415,324	326,342
Cooperage, Slack:-					
Barrels, apple, etc.		500,758	780,147	304,130	387,972
Barrels, flour, sugar, etc.		735,453	434,819	347,252	407,817
Kegs, nail, etc.		447,182	988,557	140,820	352,518
Butter tubs		4,000	3,000	1,600	1,440
Ice Cream tubs		120	1,455	396	3,707
Churns, buckets, etc.		1,504	1,648	1,925	3,204
(Heading	Sets.	358,800	327,000	54,788	37,142
(Hoops	M	892,000	2,976,000	16,526	36,740
(Staves	M	12,136,000	13,400,000	169,308	149,500
Tanks		12	13	300	369
Boxes, crates and cases		14,644	20,928	7,517	11,750
Cisterns		35	-	716	-
Tubs		1,141	-	508	-
Shingles		13	-	26	-
Lumber		-	-	12,010	250
All other products.		-	-	52,502	19,168

THE COOPERAGE INDUSTRY

Section 2. - COOPERAGE

Table 6. - Capital Invested - 1926 and 1927

Items	1926	1927
	\$	\$
TOTAL	1,994,010	2,117,594
Land, buildings and fixtures	937,100	887,790
Materials on hand, stocks in process, etc.	696,455	868,005
Cash, trading and operating accounts	360,455	361,799

Table 7. - Fuel Used - 1926 and 1927.

Kinds of Fuel	Quantity		Value	
	1926	1927	1926	1927
			\$	\$
TOTAL	3,413	2,509	16,333	15,129
Bituminous coal - Canadian.	1,002	30	6,085	300
" " " Imported	-	460	-	3,170
Anthracite coal	15	-	155	-
Lignite coal - Canadian	-	13	-	156
" " " Imported	-	15	-	135
Coke	439	523	3,755	4,629
Gasoline	840	620	324	178
Kerosene or coal oil	-	15	-	5
Wood	1,117	833	4,438	4,521
Other fuel	-	-	1,576	2,035

Table 8. - Power Employed

	Number of Units		Total H.P.	
	1926	1927	1926	1927
Total Power Used	61	77	2,024	1,949
Steam engines & Turbines	20	14	1,415	995
Oil, gas and gasoline engines	5	4	75	21
Hydraulic turbines or water wheels	2	6	28	231
Electric motors purchased power	34	53	506	702
Electric motors generated power	9	-	151	-
Boilers installed	25	16	1,702	1,322

COOPERAGE WAS THE PRINCIPAL PRODUCTS OF THE FOLLOWING FIRMS IN 1927

PRINCE EDWARD ISLAND

St. John, Pat.

Souris.

NOVA SCOTIA

Armstrong, Leslie, M.
Baker and Loomer
Barkhouse, A.S.
Berwick Cooperage
Burke, A.J. & Co.
Comeau, R.J.
Cook, A.V. & Son.
Dartmouth Cooperage Co.
Gates and Son, Silas
Gates and Son, I.
Greif Bros. Cooperage Co.
Hardy, Cooperage
Hartlen, Wallace, C.
Hutt, Chas. O.
Kinsman, John
Lantz, Elmer, O.
Lunenburg, Cooperage
McNeil Bros.
Melanson Fruit Co.
Melvin Bros.
Millett, Judson
Mulcahy, Estate, Edmund S.
North Kingston Co. Ltd.
Orde, Owen
Palmer, G. & F. W.
Robin, Jones and Whittan Ltd.
Romans, H.M.
Sawler, M.D.
Smith, J. Chandley,
Smith, Timothy
Weston Fruit Co. Ltd.
Wood and Porter
Zwicker, P.B.

Bloomington and Wilmot Sts., Torbrook Mines.
Falmouth
New Ross.
Berwick.
101 Upper Water St., Halifax.
Comeauville.
Waterville.
Box 230, Dartmouth.
Middleton.
Port William.
Sydney.
South Brookfield.
Milton.
Grafton.
Sheffield Mills.
R.R. #1, Cunard.
31 Montague St., Lunenburg.
Windsor Forks.
Melanson.
Canning.
Gaspereaux.
798 Barrington St. Halifax
North Kingston.
Annapolis Royal.
Mosherville.
Water Street, Halifax.
Hammonds Plains.
Somerset.
Doch Street, Shelburne.
Centreville.
Weston.
East Halls Harbour.
Mahone Bay.

NEW BRUNSWICK

Grief Bros. Cooperage Co.
Hubbard, R.D. - Burton Co. Ltd.
Little and Son, Robt. A.

Saint John.
Oromocto, R.R. 1.
York Mills.

QUEBEC

Arshinoff and Son, A.
Cote, Mde. Louis,
Dominion Cooperage Co.
Fisher, Martin, B.
International Cooperage Co. Ltd.
Leduc, A.
McCunn, Donald,
Paxton Cooperage,
Paxton Co. Ltd., John.

1216 City Hall Ave., Montreal.
83 Sault-au-Matelot.
4254 St. Lawrence, W. Montreal.
Hemmingford, Quebec.
Long Pointe.
Mont. St. Hilaire.
14 St. Martin St., Montreal.
Cor. Richmond and Paxton Ave., Montreal.
5435 Casgrain Ave., Montreal.

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COOPERAGE WAS THE PRINCIPAL PRODUCT OF THE FOLLOWING FIRMS IN 1927 (Concluded).

ONTARIO

Anderson, J.G.	Havelock Street, Lucknow.
Canada Barrels & Kegs Ltd.	Shantz Ave., Waterloo.
Cole and Cole.	Mary St. W., Picton, Ont.
Crosbie, E.	98 Water Street, Simcoe.
Cuntz, J.H.	Conestogo.
Davies, D.	Mill Street, Waterdown.
Dominion Cooperage Co.	Ossington Ave., Toronto.
French Bros.	McLville R.R. 2. - Consecon.
Grief Bros. Cooperage Co.	Hamilton, Cardinal and Kincardine.
Gordon, N.M.	Pickering.
Hargadon, Owen	Walnut Ave., Brantford.
Harris and Miller	77 Ritchie Ave., Toronto, Ont.
Hayne, John, Dom. Cooperage Co.	Brigden.
Huehn and Co., C.N.	Waterloo.
International Cooperage Co. of Can. Ltd.	Tillsonburg.
Johnson, E.S.	Grimsby, Ont.
Kingdom Bros.	Peterboro.
Lake of the Woods Milling Co. Ltd.	Keewatin.
Landreville and Sons, Ltd., Jos.	129-135 Tecumseth St., Toronto 3,.
London and Petrolia Barrel Co. Ltd.	763 Simcoe St., London.
McElroy, Wm. H.	Rlyth.
McVittie, John.	H.O. 106 Claustone Ave.
Milligan Co., G. Leo.	231 Yonge St. Hamilton.
Pickle, Wm.	Ladlie St., Orillia, P.O. Box 527.
Pringle, W.E.	McHenry St. Forest.
Reid Bros.,	Picton, Ontario.
Snelgrove, Fred	Bridge St. Picton.
St. Mary's Cooperage	Brighton.
Sutherland, Innes Co. Ltd.	Queen and James Sts., St. Mary's.
Trenton Cooperage Mills	Chatham.
Western Canada Flour Mills Co. Ltd.	Wragge St., Trenton.
	Rainy River.

MANITOBA

Manitoba Cooperage, J. Kane.	Empress St., Winnipeg.
Sunset Mfg. Co.	Sherbrocke and Logan Sts., Winnipeg.

BRITISH COLUMBIA

Canadian Western Cooperage Co.	Ft. of Smythe St., Vancouver.
Fulcher, H.	1123 Homer St., Vancouver.

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