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REPORT
ON THE
COOPERAGE INDUSTRY
IN
CANADA
1933

(Subject to revision on further examination of individual reports)

Published by Authority of the HON. R. B. HANSON, K.C., M.P.,
Minister of Trade and Commerce.

OTTAWA
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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.

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

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COOPERAGE AND COOPERAGE STOCK, 1933.

Ottawa, January, 1935. - 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 engaged wholly or chiefly in the manufacture of 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 3, while not complete, include most of this material manufactured in Canada in 1932 and 1933 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 1933 was 39.

The industry in 1933 gave employment to 611 workers and paid \$485,729 in wages and salaries. The total capital invested was \$1,840,905 in 1933.

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 1933 was \$1,256,152 of which \$945,748 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 1933 was \$2,209,532.

THE COOPERAGE INDUSTRY

It should be borne in mind that the figures given in connection with this industry refer only to mills which are engaged wholly or chiefly in the manufacture of 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 this industry, the distribution of its mills, employment, wages and salaries, capital invested, fuel used, power employed, materials used and products manufactured.

Table 1. - Principal Statistics, 1932-1933.

Items		1932	1933
Establishments	No.	73	89
Capital Invested	\$	1,834,354	1,840,905
Employees on salaries	No.	96	122
Salaries paid	\$	137,573	132,372
Employees on wages	No.	368	489
Wages paid	\$	281,941	353,357
Fuel used	\$	14,287	18,564
Power employed	H.P.	2,219	2,170
Electricity purchased	K.W.H.	302,695	472,790
Electricity purchased	\$	9,549	12,447
Cost of materials	\$	801,991	1,256,152
Value of products	\$	1,514,223	2,209,532

Table 2. - Distribution of Establishments by Provinces, 1932 and 1933.

Provinces	1932	1933
	No.	No.
CANADA	73	89
Prince Edward Island	1	1
Nova Scotia	21	31
New Brunswick	5	5
Quebec	11	11
Ontario	29	35
Manitoba	2	2
British Columbia	4	4

THE COOPERAGE INDUSTRY

Table 3. - Capital Invested, 1932 and 1933.

Items	1932	1933
	\$	\$
TOTAL	1,834,354	1,840,905
Land, buildings and fixtures	794,281	708,957
Materials on hand, stocks in process, etc.	420,419	571,501
Value of finished products on hand	59,492	89,951
Cash, trading and operating accounts	560,162	470,496

Table 4. - Employment, 1932-1933.

Classes of Employees	Total Number of Employees		Males		Females		Total Salaries and Wages	
	1932	1933	1932	1933	1932	1933	1932	1933
	No.	No.	No.	No.	No.	No.	\$	\$
TOTAL	464	611	457	601	7	10	419,514	485,729
Salaried employees	96	122	89	112	7	10	137,573	132,372
Wage-earners	368	489	368	489	-	-	281,941	353,357

Table 5. - Fuel Used, 1932 and 1933.

Kind of fuel			Quantity		Value	
			1932	1933	1932	1933
					\$	\$
T O T A L			-	-	14,287	18,564
Bituminous coal	Canadian	Ton	136	106	957	691
"	" - Imported	"	1,237	1,638	6,978	9,709
Anthracite coal		"	14	19	183	260
Lignite coal	Canadian	"	-	-	-	-
"	" - Imported	"	-	-	-	-
Coke		"	253	256	2,363	2,446
Gasoline		Gal.	630	1,721	147	498
Fuel oil and diesel oil (not including Lubricating oil)			-	-	-	-
Kerosene or coal oil		Gal.	120	3,628	26	386
Wood		Cord	258	298	1,200	1,115
Mill waste			-	-	1,173	1,694
Gas, manufactured		M. cu. ft.	326	-	260	-
Other fuel			-	-	1,000	1,765

THE COOPERAGE INDUSTRY

Table 6. - Power Employed, 1932 and 1933.

	Number of Units		Total H.P.	
	1932	1933	1932	1933
Total Power Used	106	104	2,219	2,170
Steam engines and turbines	20	15	1,252	1,105
Diesel engines	-	1	-	20
Oil, gas and gasoline engines	4	7	42	95
Hydraulic turbines or water wheels	6	6	154	154
Electric motors purchased power	76	75	771	796
Electric motors generated power	1	5	25	195
Boilers installed	14	19	972	600

Table 7. - Materials Used, 1932 and 1933.

Kind		Quantity		Value	
		1932	1933	1932	1933
				\$	\$
Staves, slack	No.	18,966,960	26,510,964	194,983	224,722
Heading, slack	Sets	1,589,902	1,784,506	118,373	124,225
Staves, tight	No.	7,231,071	15,882,172	202,243	399,064
Heading, tight	Sets	259,968	447,167	53,158	128,188
Wooden hoops	No.	3,956,831	6,803,850	51,124	69,549
Lumber or logs, softwood	M ft.b.m.	535	1,937	8,464	34,707
Lumber or logs, hardwood	" " " "	492	420	15,755	11,428
Bolts, etc. (softwood)	Cords	6,379	6,229	31,275	24,983
Bolts, etc. (hardwood)	"	725	1,162	3,850	5,677
Veneer and plywood	M surf.ft.	123	96	3,697	4,113
Barrels etc. purchased for repairing or remaking		-	-	18,247	27,375
All other materials, including wire hoops, containers and mill supplies	(Value only)	-	-	100,817	202,121
T O T A L		-	-	801,991	1,256,152

THE COOPERAGE INDUSTRY

Table 8. - Products Manufactured, 1932 and 1933.

		Quantity		Value	
		1932	1933	1932	1933
		No.	No.	\$	\$
T O T A L		-	-	1,514,223	2,209,532
Cooperage tight -					
Barrels, oil, vinegar, etc.		153,726	261,769	327,997	373,120
Barrels, whiskey, beer		36,846	62,263	161,123	421,573
Barrels, fish		11,288	32,531	13,017	29,680
Casks, wine, etc.		5,176	7,553	11,020	30,118
Kegs, beer, etc.		1,634	32,435	8,543	186,965
Kegs, fish		1,749	2,765	2,842	2,008
Staves tight sold	No.	153,000	340,699	7,196	7,976
Heading " "	sets	2,035	15,419	516	5,974
All other tight cooperage		-	-	119,611	150,493
Cooperage, slack -					
Barrels, apple, etc.		625,018	1,195,258	270,603	469,841
Barrels, flour, sugar, etc.		288,913	188,309	228,943	146,652
Kegs, nail, etc.		514,650	567,909	178,348	125,132
Butter tubs, ice cream tubs, tanks, etc.		883	657	2,613	2,159
(Staves	No.	4,261,500	8,930,497	47,249	76,622
(Heading	sets	267,130	811,344	27,533	43,930
(Hoops (wood)	No.	707,990	2,941,818	11,122	39,396
All other slack cooperage		-	-	40,368	31,660
Boxes, crates and cases		-	-	19,397	9,398
All other products		-	-	7,955	9,624
Barrels etc. repaired or remade		-	-	28,227	27,211

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.	\$
1932							
Ontario	171,594	8,200	88,045	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	805	7,070	25	1,994	9	180
Quebec	31,625	4,146	25,827	129	5,798	-	-
Prince Edward Island	288	22	198	1	90	-	-
T O T A L	486,464	38,946	290,309	2,347	154,225	3,812	41,930

THE COOPERAGE INDUSTRY

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

	Total Cooperage Stock	Staves		Heading		Hoops	
	\$	M.	\$	Sets	\$	M.	\$
<u>1 9 3 3</u>							
Ontario	175,637	7,768	74,926	710	51,781	4,573	48,930
Nova Scotia	187,750	20,145	117,009	1,201	69,207	179	1,534
British Columbia	95,292	6,353	56,465	434	38,827	-	-
New Brunswick	22,689	1,733	17,057	61	5,499	9	133
Quebec	61,783	8,933	60,583	30	1,200	-	-
Prince Edward Island	270	15	135	2	135	-	-
T O T A L	543,421	44,947	326,175	2,438	166,649	4,761	50,597

The following firms were engaged wholly or chiefly in the manufacture of barrels and other cooperage in 1933.

Prince Edward Island

St. John, Pat.

Souris, P.E.I.

Nova Scotia

Armstrong, L.M.	R.R. 6, Kingston, N.S.
Baker & Loomer,	Falmouth "
Barkhouse, A.S.	New Ross "
Bezanson, Geo.	44 Foster St., Berwick, N.S.
Boylan, L.E.	New Ross "
Burke, A.J. & Co.	138 Lower Water St., Halifax, N.S.
Chester Basin Shipbuilders,	Chester Basin "
Comeau, R.J.	Comeauville "
Cook, A.V.	Waterville "
Crossland, F.S.	Mahone Bay Box 235 "
Dominion Cooperage Co. Ltd.	Sydney "
Farmers Cooperage Co., Ltd.	Brown St., Berwick "
Hamlen, J.H. & Sons, Inc.	Weymouth "
Hartlen, W.C.	Milton "
Lantz, Chas.	Mahone Bay "
Lantz, Elmer C.	R.R. 1, Greenwich "
Lunenburg Cooperage	31 Montague St., Lunenburg "
Melanson Fruit Co. Ltd.	Melanson "
Melvin Bros.,	Cansing "
Miller, Nelson, M.	Lake Thomas "
Millett, Judson S.	Gaspereau "
North Kingston Co., Ltd.	North Kingston "
Port Williams Fruit Co., Ltd.	Greenwich "
Robin, Jones & Whitman Ltd.	114-120 Lower Water St., Halifax, N.S.

THE COOPERAGE INDUSTRY

Nova Scotia - Con.

Romans, H.M.	R.R. 1, Bedford, N.S.
Sawler, M.D.	Somerset "
Smith, J. Chandley	Dock St., Shelburne, N.S.
Wentzell, Chas.	Mahone Bay "
Weston Fruit Co., Ltd.	Weston "
Wood & Porter	Centreville "
Zwicker, J.M.	Mahone Bay "

New Brunswick

Hubbard, R.D.	R.R. 1, Oromocto, N.B.
International Cooperage Co. of Can. Ltd.	St. John "
Little, C.	Harvey Sta. "
River Valley Lumber Co., Ltd.	Oromocto "
St. John Cooperage Co.	268 Chesley St., St. John, N.B.

Quebec

Athelstan Cooperage Co.	298 Charron St., Montreal, Que.
Cote, Louis Enr'g.	83 rue Sault-au-Matelot, Quebec, Que.
Dominion Cooperage Co.	4254 St. Lawrence Blvd., Montreal, Que.
Imperial Cooperage Co.	20 King St., Montreal "
International Cooperage Co. of Can. Ltd.	30 Seigneurs St., Montreal "
International Cooperage Co. of Can. Ltd.	H.O. Box 41, Niagara Falls, Ont.
	Montreal (Sugar Shop)
Leduc, H.E.	Mont, St. Hilaire, Que.
McCunn, Donald, Cooperage	254 St. Martin St., Montreal, Que.
Paxton Cooperage	298 Charron St., Montreal "
Paxton, John & Co. Ltd.	5435 Casgrain St., Montreal "
Turner, H.	1215 William St., Montreal "

Ontario

Canada Barrels & Kegs Ltd.	Shantz Ave., Waterloo, Ont.
Crosbie, E.A.	87 Water St., Simcoe "
Cuntz, J.H.	Conestogo "
Davies (Mrs.) D.	Mill St., Waterdown "
Edwards, Geo. A.	Colborne "
Edwards, Ira	Colborne "
French J.G.	Melville, R.R. 1 "
Hayne, John	Sarnia "
Hoar, Fred C.	Concession St., Bowmanville, Ont.
International Cooperage Co. of Can. Ltd.	Amherstburg, Hamilton, "
	Tillsonburg, Toronto, Haliburton,
	Cardinal, Wallaceburg,
	H.O. 41, Niagara Falls, Ont.
Johnson, E.	Elizabeth & Clark Sts., Grimsby, Ont.
Kingdon, G.S.	Peterboro "
Lake of the Woods Milling Co., Ltd.	Keewatin
Landreville, Jos. & Sons Ltd.	133 Tecumseh St., Toronto 3 "
Leggett Bros.	Box 464 Collingwood "
London & Petrolia Barrel Co., Ltd.	763 Little Simcoe St., London.

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Ontario - Con.

McElroy, H.	Blyth, Ont.
McNish, J.	1 Quarry St., Smith's Falls,
McVittie, E.	231 Young St., Hamilton
Milligan, G. Leo, Co.,	Lacie & Neywash Sts., Orillia,
Pickell, Wm.	McHenry St., Forest
Pringle, W.E.	R.R. 5, Picton
Queen City Cooperage Co.	159-161 Ossington Ave., Toronto
Reid Bros.	Bridge St., Picton
Ribson, Walter J.	Waterdown
Snelgrove, Fred	Box 28, Brighton
Stanton, T.C.	Brighton
Toronto Cooperage Co.	2197 St. Clair Ave. W., Toronto
Trenton Cooperage Mills, Ltd.	Wragge St., Trenton

Manitoba

Western Canada Flour Mills Co. Ltd.	St. Boniface, Man.
Western Cooperage	1351 Notre Dame, Winnipeg, Man.

British Columbia

Canadian Western Cooperage, Ltd.	Industrial Reserve Vittoria.
Reid, W.F.	Ft. of Smythe St., Vancouver,
Vancouver Barrel & Keg Co.	1549 Main St., Vancouver
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