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REPORT

on the

COOPERAGE INDUSTRY

in

CANADA

1931

(Subject to revision on further examination of individual reports)

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OTTAWA

1933

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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.

DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY - FORESTRY BRANCH
OTTAWA - CANADA

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

COOPERAGE AND COOPERAGE STOCK, 1930 and 1931.

Ottawa, February, 1933.- 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 specialise 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 1 while not complete, include most of this material manufactured in Canada in 1930 and 1931 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.

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 1931 gave employment to 508 workers and paid \$468,821 in wages and salaries. The total capital invested was \$1,986,815 in 1931.

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 1931 was \$1,095,639 of which \$864,369 was paid for cooperage stock.

Table 5 gives details concerning the products of cooperage in 1931.

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 1931 was \$1,954,192.

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 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.

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

UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE ASSISTANT SECRETARY

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THE COOPERAGE INDUSTRY

Section 1. - Cooperage Stock

Table 1. - Manufactured by Stave, Heading, Hoop and Sawmills

	Total Cooperage Stock		Staves		Heading		Hoops	
	\$	M	\$	Sets	\$	M	\$	
	<u>1930</u>							
Ontario	135,606	4,599	55,676	517	49,278	1,736	30,652	
Nova Scotia	234,496	17,887	152,007	967	82,189	30	300	
British Columbia	138,040	18,532	89,231	785	48,809	-	-	
New Brunswick	90,507	5,777	60,747	363	29,500	18	260	
Quebec	19,262	1,001	7,007	291	12,240	1	15	
Prince Edward Island	1,307	77	1,055	2	252	-	-	
T O T A L	619,218	47,873	365,723	2,925	222,268	1,787	31,227	
	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	404	
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	

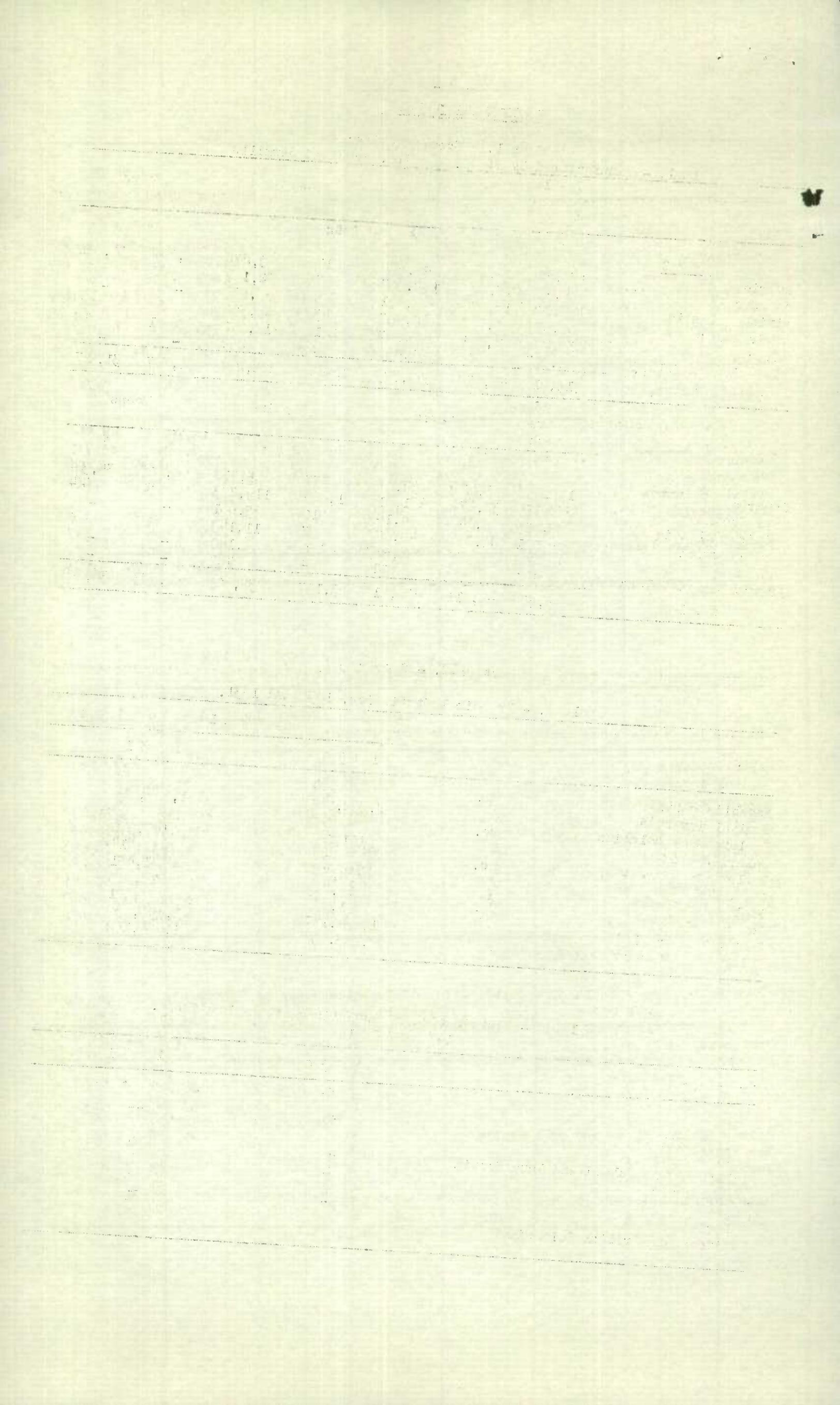
Section 2. - Cooperage

Table 2. - Principal Statistics, 1930 and 1931.

Items		T O T A L	
		1930	1931
		Establishments	No.
Capital invested	\$	2,332,065	1,986,815
Employees on salaries	No.	42	94
Salaries paid	\$	101,062	127,370
Employees on wages	No.	496	414
Wages Paid	\$	432,759	341,451
Fuel used	\$	16,723	13,985
Power employed	H.P.	1,878	1,961
Cost of materials	\$	1,634,157	1,095,639
Value of products	\$	2,523,694	1,954,192

Table 3. - Distribution of Establishments by Provinces, 1930 and 1931.

Provinces	1930	1931
	No.	No.
CANADA	74	73
Prince Edward Island and Nova Scotia	30	24
New Brunswick	4	4
Quebec	8	9
Ontario	27	31
Manitoba and British Columbia	5	5



THE COOPERAGE INDUSTRY

Section 2. - COOPERAGE

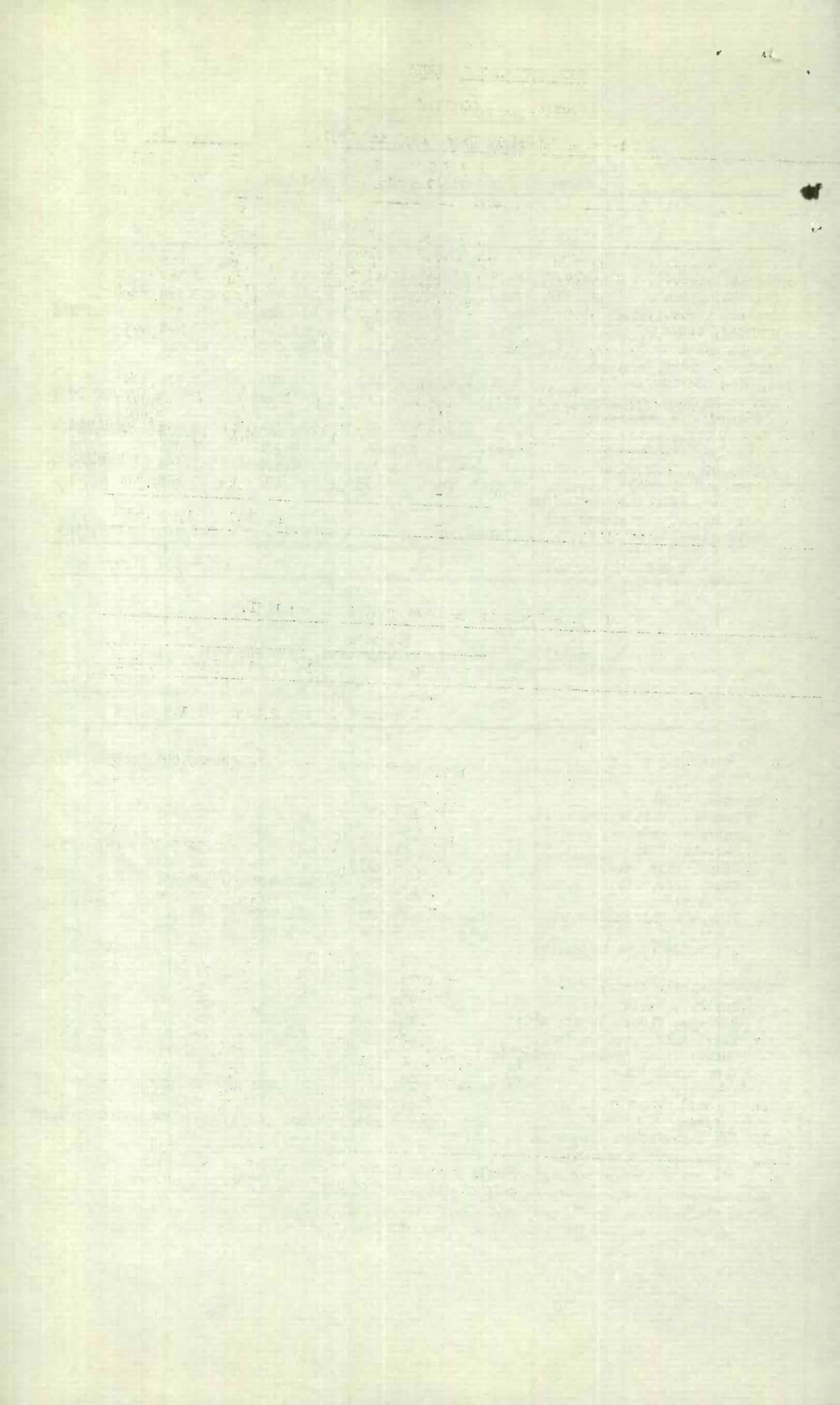
Table 4. - Materials Used, 1930 and 1931.

Kind	Quantity		Value		
	1930	1931	1930	1931	
			\$	\$	
Staves, slack	No.	35,036,931	25,843,850	402,369	264,666
Heading, slack	Sets	2,996,937	2,166,485	213,538	150,194
Staves, tight	No.	27,860,300	9,472,620	475,374	277,755
Heading, tight	Sets	569,780	313,514	163,648	96,482
Wooden hoops	No.	6,364,197	5,689,048	91,666	75,272
Lumber or logs, softwood (pine, spruce, etc.) ..	M ft. b.m.	129	220	1,576	4,593
Lumber or logs, hardwood (birch, oak, basswood, etc.)	M ft. b.m.	327	959	18,702	29,884
Bolts, etc. (softwood)	Cords	1,660	4,731	8,296	25,971
Bolts, etc. (hardwood)	"	1,350	1,400	7,350	8,600
Veneer and plywood	M surf. ft.	93	157	5,198	6,824
All other materials, including wire hoops, containers and mill supplies	(Value only)	-	-	246,480	155,398
TOTAL		-	-	1,634,157	1,095,639

Table 5. - Products Manufactured, 1930 and 1931.

	Quantity		Value		
	1930	1931	1930	1931	
	No.	No.	\$	\$	
TOTAL	-	-	2,523,694	1,954,192	
Cooperage tight -					
Barrels, oil, vinegar, etc.	167,826	154,170	466,029	331,253	
Barrels, whiskey, beer	96,707	64,718	535,038	305,524	
Barrels, fish	21,391	14,567	34,953	28,693	
Casks, wine, etc.	9,033	5,795	21,474	13,222	
Kegs, beer, etc.	13,749	10,502	30,891	27,041	
Kegs, fish	2,222	2,505	2,081	2,639	
Staves tight sold	No.	78,500	10,000	1,307	650
Heading " "	sets	5,292	1,075	1,220	345
All other tight cooperage	-	-	191,423	108,539	
Cooperage, slack -					
Barrels, apple, etc.	685,623	827,715	340,549	387,842	
Barrels, flour, sugar, etc.	466,409	335,821	403,574	289,976	
Kegs, nail, etc.	904,158	778,246	286,082	236,618	
Butter tubs, churns, tanks, etc.	-	-	6,530	4,345	
Ice cream tubs	163	71	375	127	
(Heading	sets	262,421	217,280	26,117	21,544
(Hoops	No.	1,578,650	1,508,000	33,166	31,285
(Staves	No.	3,432,905	6,308,550	41,904	74,418
All other slack cooperage	-	-	46,573	41,813	
Boxes, crates and cases	-	-	29,678	11,835	
All other products	-	-	211,750	43,483	

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



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THE COOPERAGE INDUSTRY

Section 2. - COOPERAGE

Table 6. - Capital Invested, 1930 and 1931.

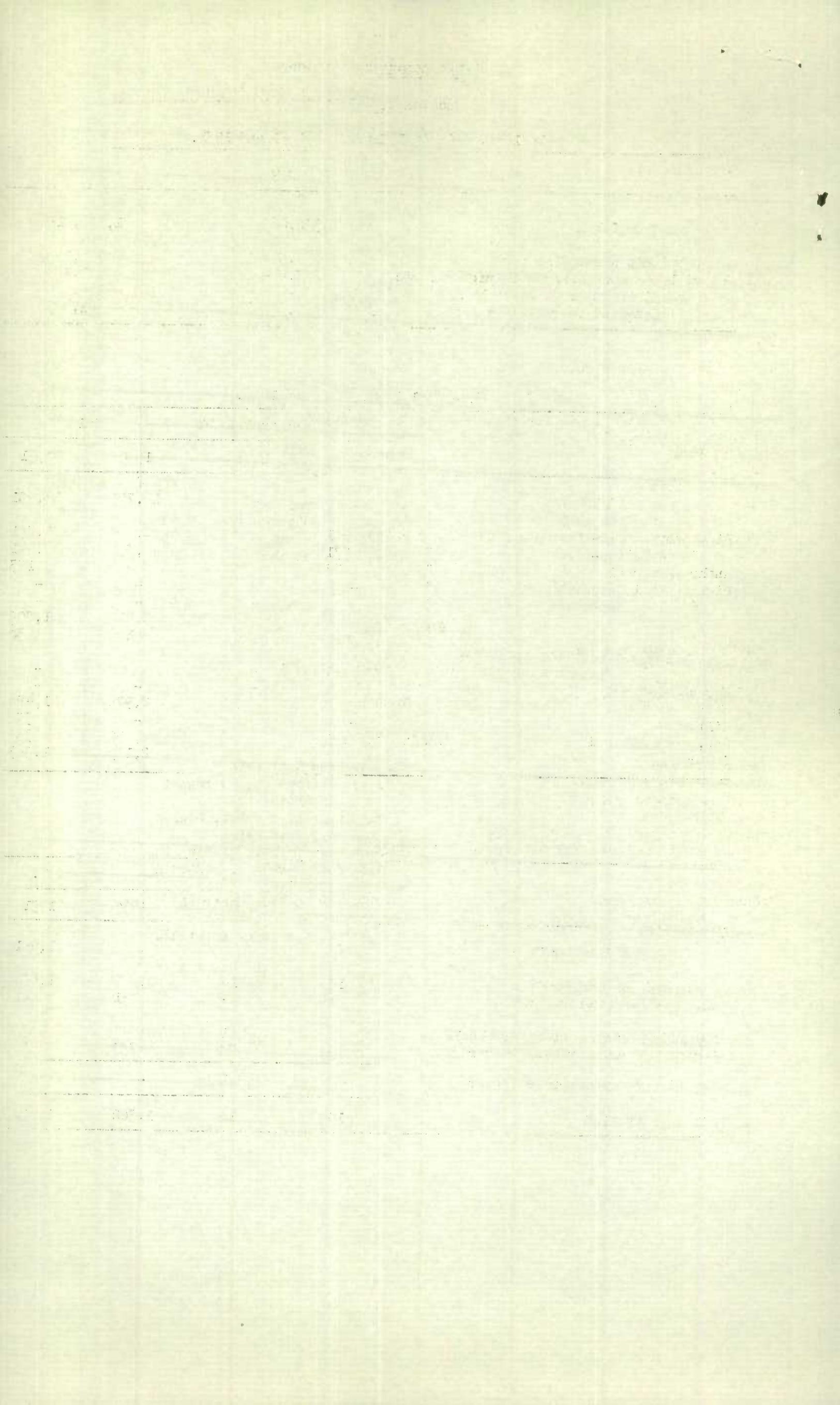
Items	1930		1931	
	\$		\$	
TOTAL	2,332,065		1,986,815	
Land, buildings and fixtures	947,568		776,966	
Materials on hand stocks in process, etc.	717,864		441,480	
Value of finished products on hand	-		106,906	
Cash, trading and operating accounts	666,633		661,463	

Table 7. - Fuel Used, 1930 and 1931.

Kinds of Fuel	Quantity		Value		
	1930	1931	1930	1931	
			\$	\$	
TOTAL	-	-	16,777	13,991	
Bituminous coal - Canadian	Ton	401	254	2,934	1,751
" " - Imported	"	931	986	5,759	6,441
Anthracite coal	"	27	14	435	183
Lignite coal - Canadian	"	-	-	-	-
" " - Imported	"	-	-	-	-
Coke	"	253	185	2,211	1,808
Gasoline	gal.	460	126	125	36
Fuel oil and diesel oil (not including Lubricating oil)		441	-	62	-
Kerosene or coal oil	gal.	-	-	-	-
Wood	Cord	862	307	2,972	1,496
Mill waste		-	-	-	378
Gas, manufactured	M. cu. ft.	100	335	90	335
Other fuel		-	-	2,189	1,563

Table 8. - Power Employed, 1930 and 1931.

	Number of Units		Total H. P.	
	1930	1931	1930	1931
Total Power Used	88	91	1,878	1,961
Steam engines and turbines	15	14	1,067	1,070
Oil, gas and gasoline engines	6	4	51	41
Hydraulic turbines or water wheels	2	1	7	35
Electric motors purchased power	65	72	753	815
Electric motors generated power	-	1	-	25
Boilers installed	14	18	1,302	1,502



COOPERAGE WAS THE PRINCIPAL PRODUCTS OF THE FOLLOWING FIRMS IN 1931.

PRINCE EDWARDS ISLAND.

St. John, Jas.	Souris
St. John, Patrick	Souris

NOVA SCOTIA

Armstrong, Leslie M.	R.R. #6 Kingston
Baker and Loomer	Falmouth
Barkhouse, A. S.	New Ross
Beganson, George R.	Berwick
Boylan, F.E.	New Ross
Burke, A. J. & Co.	138 Lower Water St., Halifax
Comeau, R. J.	Comeauville
Cook, A. V.	Waterville
Greif Bros. Cooperage Co.	Sydney
Hartlon, Wallace C.	Milton
Lantz, Elmer C.	R. R. #1, Greenwich
Lunenburg, Cooperage (C.W. Seaboyer)	31 Montague St., Lunenburg
Melanson Fruit Co., Ltd.	Melanson
Melvin Bros.	Canning
Millett, Harvey	Chester Basin
Millett, Judson S.	Gaspereau
Orde, Owen	Annapolis Royal
Robin, Jones and Whitman Ltd.	Lower Water St., Halifax
Sawler, M. D.	Somerset
Smith, J. Chandley	Dock St., Shelburne
Weston Fruit Co. Ltd.	Weston
Wood and Porter	Centreville

NEW BRUNSWICK

Grief Bros. Cooperage Co.	Saint John
Hubbard, R. D. H.	Oromocto, R.R. 1
Little, Clarence	York Mills
River Valley Lumber Co. Ltd.	Oromocto

QUEBEC

Asselin, Adrien	St. Marc des Carrieres
Athelstan Cooperage Mills (H.A. Hampson and A.N. Paxton)	H.O. 298 Charron St., Montreal Athelstan
Cote, Louis, Enrg.	83 rue Sault-au-Matelot, Quebec
Imperial Cooperage Co. (A.F. Addison)	20 King St., Montreal
International Cooperage Co. of Canada	H.O. Niagara Falls, Ontario 30 Seigneurs St., Montreal
Leduc, Azarie	Mont St., Hilaire
McCunn (Mrs.) Georgina	254 St. Martin St., Montreal
Paxton Cooperage	298 Charron St., Montreal
Paxton, John & Co. Ltd.	5435 Casgrain Avenue, Montreal.

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COOPERAGE WAS THE PRINCIPAL PRODUCT OF THE FOLLOWING FIRMS IN 1933 (Concluded).

ONTARIO

Canada Barrels and Kegs Limited	Shantz Ave., Waterloo
Crosbie, E. A.	87 Water St., Simcoe
Cuntz, J. H.	Conestogo
Davis, D.	Waterdown
Edwards, Geo. A.	Colborne
Edwards, Ira	Colborne
Grief Bros. Cooperage Co.	Hamilton, Cardinal, Kincardine, Wallaceburg and Chatham
Hargadon, Owen	52 Walnut St., Brantford
International Cooperage Co. of Can. Ltd.	Tillsonburg
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.
Landreville, Jos. & Sons, Ltd.	133 Tecumseth St., Toronto 3
London and Petrolia 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.	Lacie and Neywash Sts., Orillia,
Pickell, Wm.	McHenry St., Forest
Pringle, W. E.	R. R. No. 5, Picton
Reid Bros.	Bridge St., Picton
Snelgrove, Fred	Brighton
Stanton, T. C.	Brighton
Toronto Cooperage Co.	77 Ritchie & 155 Ossington Aves., Toronto
Trenton Cooperage Mills Ltd.	Wragge St., Trenton
French, J. Garfield	Melville

MANITOBA

Manitoba Cooperage, (J. Kane)	Empress St., off Dublin Ave. Notre Dame East and Notre Dame Winnipeg.
Western Canada Flour Mills Co. Ltd.	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.

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