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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

FOREST PRODUCTS BRANCH

REPORT

on the

COOPERAGE INDUSTRY

in

CANADA

1928 - 1929

(Subject to revision on further examination of individual reports)

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

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OTTAWA

1931

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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 - FOREST PRODUCTS BRANCH

OTTAWA - CANADA

Dominion Statistician:

R.H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.

Forest Products Statistics:

R.G. Lewis, B.Sc.F.

COOPERAGE AND COOPERAGE STOCK, 1928 and 1929.

Ottawa, March, 1931. - 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 1 while not complete, include most of this material manufactured in Canada in 1928 and 1929 as reported by stave, heading and hoop mills, sawmills, 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 1929 gave employment to 616 workers and paid \$667,672 in wages and salaries. The total capital invested was \$2,472,749 in 1929.

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 1929 was \$2,573,766 of which \$2,139,879 was paid for cooperage stock.

Table 5 gives details concerning the products of cooperages in 1929.

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 1929 was \$3,829,553.

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.

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THE COOPERAGE INDUSTRY

Section 1. - Cooperage Stock

Table 1.- Cooperage Stock Manufactured, 1928 and 1929.

	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
TOTAL	670,648	29,305	375,519	6,946	104,816	2,715	190,313
	Total Cooperage Stock	Staves		Heading		Hoops	
	\$	M.	\$	Sets	\$	M.	\$
<u>1929</u>							
Ontario	109,523	1,700	20,000	586	55,923	1,985	33,600
Nova Scotia	255,235	19,935	165,466	969	86,529	360	3,240
British Columbia	186,634	33,508	127,411	1,049	59,223	-	-
New Brunswick	50,228	3,025	34,586	206	15,382	18	260
Quebec	7,157	1,001	7,057	2	100	-	-
Prince Edward Island	796	45	571	2	225	-	-
TOTAL	609,573	59,214	355,091	2,814	217,382	2,363	37,100

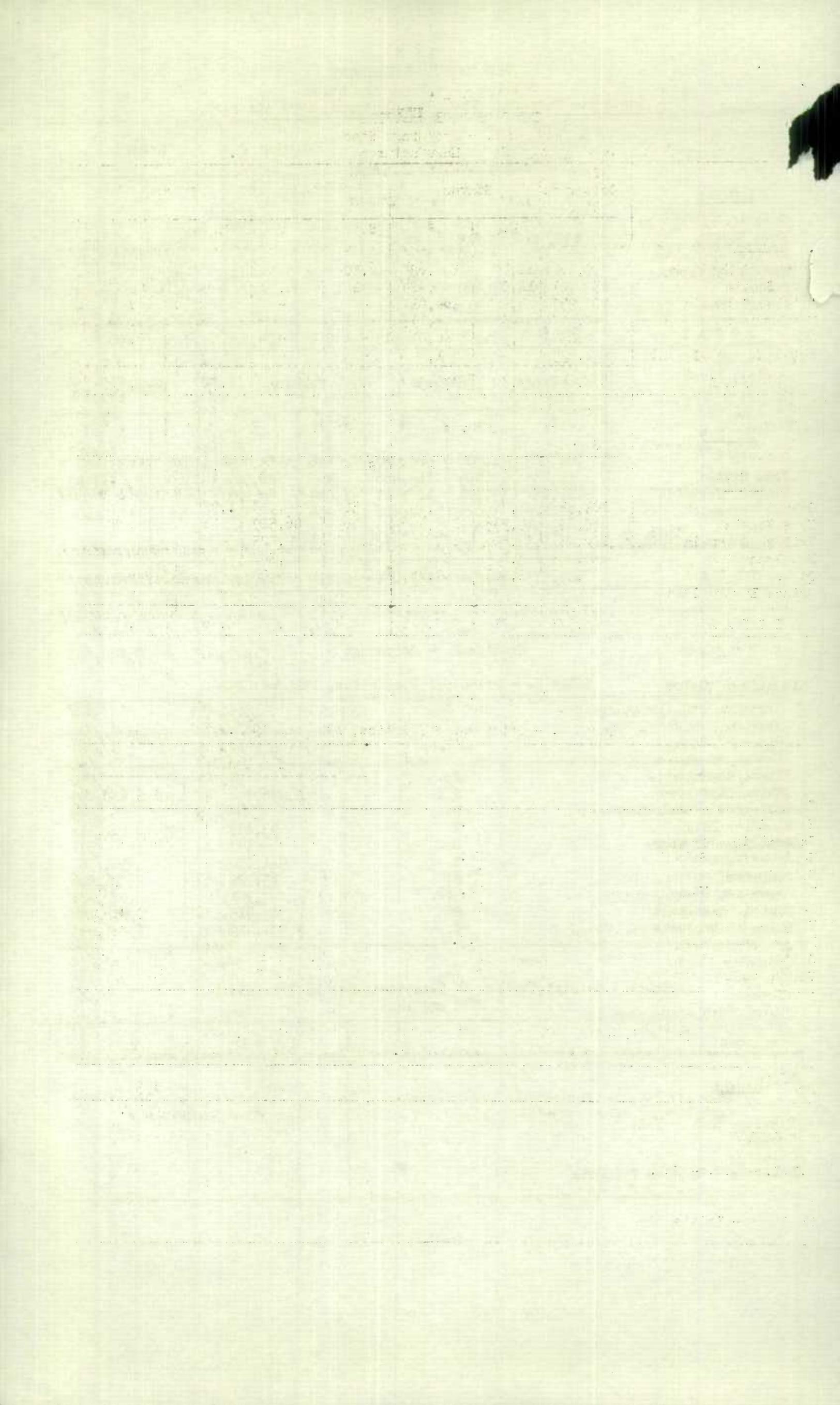
Section 2. - Cooperage

Table 2. - Principal Statistics, 1928 and 1929.

Items		TOTAL	
		1928	1929
Establishments	No.	77	82
Capital invested	\$	2,236,754	2,472,749
Employees on Salaries	No.	45	44
Salaries Paid	\$	93,899	107,312
Employees on Wages	No.	557	572
Wages Paid	\$	511,080	560,360
Fuel used	\$	15,128	16,326
Power employed	H.P.	2,381	1,881
Cost of materials	\$	2,382,415	2,573,766
Value of Products	\$	3,597,489	3,829,553

Table 3. - Distribution of Establishments by Provinces, 1928 and 1929.

Provinces	1928	1929
	No.	No.
CANADA	77	82
P.E.I. - N.S. - N.B.	34	32
Quebec	9	9
Ontario	28	37
Manitoba - British Columbia	6	4



THE COOPERAGE INDUSTRY

Section 2. - COOPERAGE

Table 4. - Materials Used - 1928 and 1929.

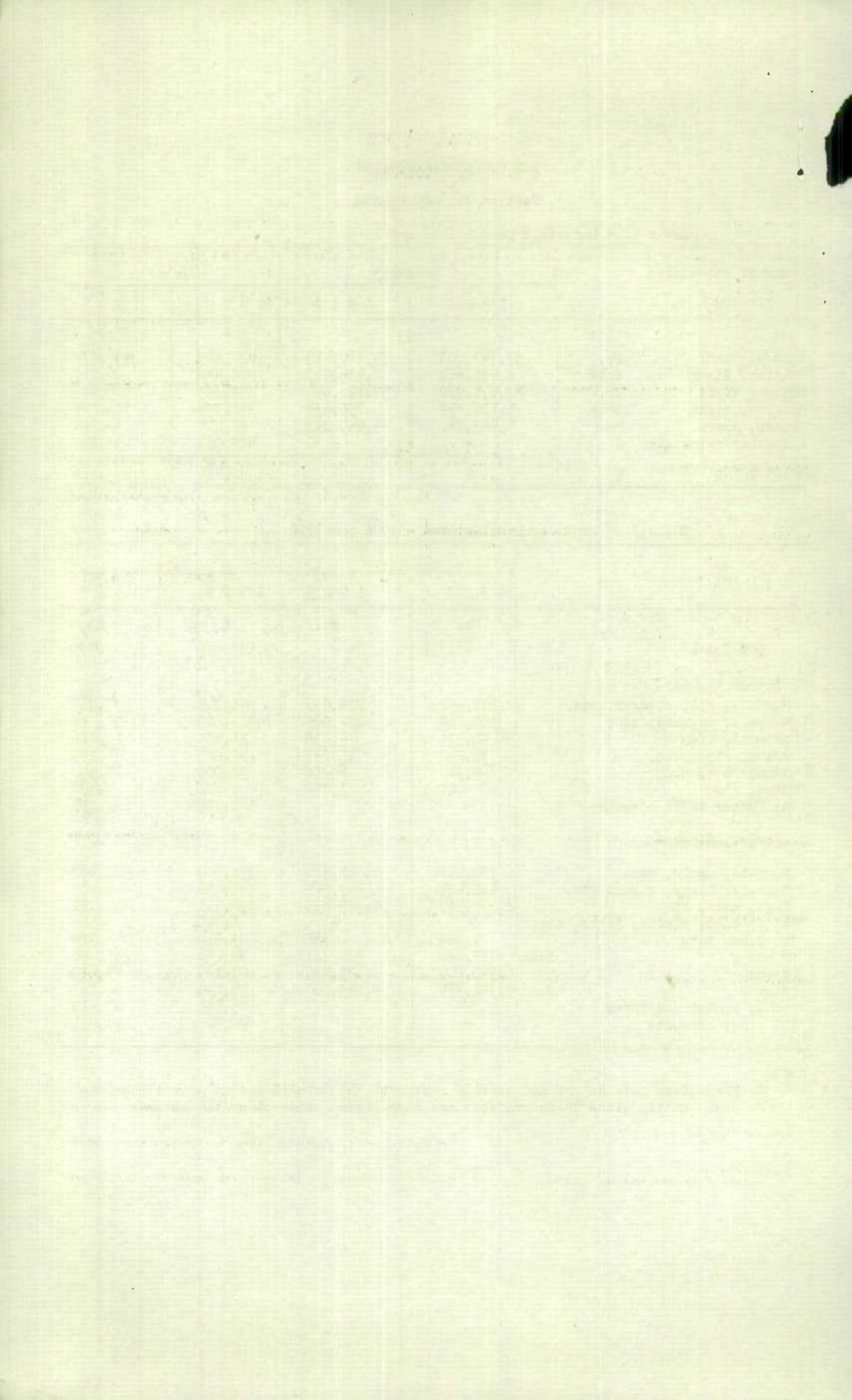
Kinds of Materials	Quantity		Value	
	1928	1929	1928	1929
			\$	\$
Staves, Slack No.	37,747,003	39,767,415	428,863	532,774
Heading, Slack Sets	2,651,667	2,535,937	208,488	286,219
Staves, tight No.	87,891,920	57,196,624	857,205	866,389
Heading, tight Sets	1,120,799	750,635	317,779	309,849
Wooden, hoops No.	6,483,762	9,949,042	82,015	144,848
All other materials \$	-	-	488,065	433,887
GRAND TOTAL \$	-	-	2,382,415	2,573,766

Table 5. - Products Manufactured - 1928 and 1929.

	Quantity		Value	
	1928	1929	1928	1929
	No.	No.	\$	\$
TOTAL	-	-	3,597,489	3,829,553
Cooperage tight:-				
Barrels, oil, vinegar, etc.	247,442	228,026	590,044	577,027
Barrels, whiskey, beer	200,166	211,009	1,316,070	1,239,213
Barrels, fish	10,911	9,236	11,485	14,916
Casks, wine, etc.	32,892	18,257	40,875	44,103
Kegs, beer, etc.	9,312	6,986	31,005	15,350
Kegs, fish	201	3,759	218	4,760
All other tight cooperage	-	-	340,708	247,759
Cooperage, Slack:-				
Barrels, apple, etc.	754,156	1,012,566	371,649	520,067
Barrels, flour, sugar, etc.	425,474	567,545	348,456	486,208
Kegs, nail, etc.	1,294,919	1,325,635	393,511	414,224
Butter tubs, churns, tanks, etc.	-	-	8,240	5,125
Ice Cream tubs	1,353	358	3,964	920
(Heading Sets	427,626	426,721	30,246	55,450
(Hoops No.	1,940,100	2,623,840	27,146	53,615
(Staves No.	3,381,330	4,093,550	35,049	46,167
Boxes, crates and cases	-	-	15,155	13,418
All other products	-	-	28,568	91,231

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, - 1928 and 1929.

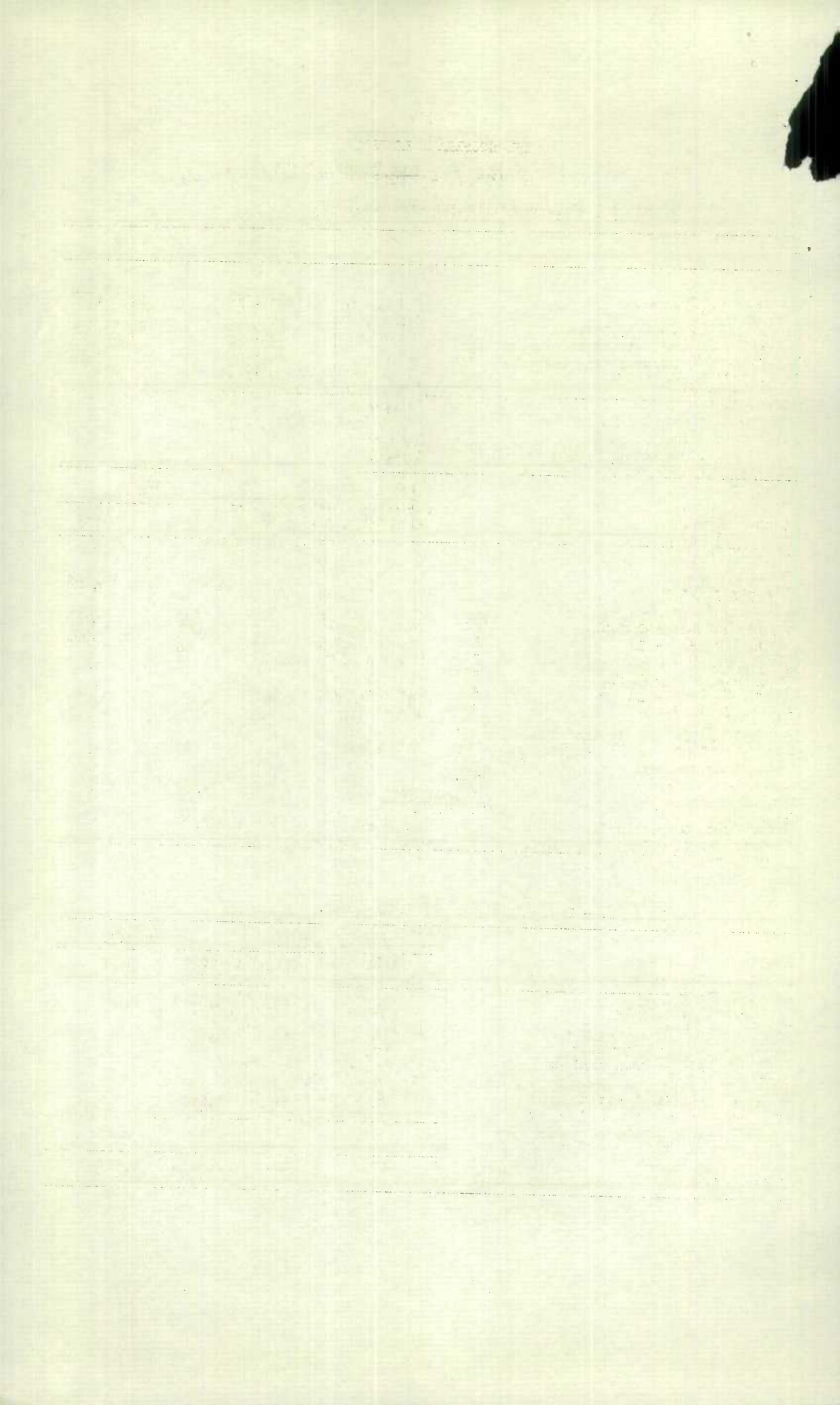
Items	1928	1929
	\$	\$
TOTAL	2,236,754	2,472,749
Land, buildings and fixtures	939,236	1,033,239
Materials on hand, stocks in process, etc.	767,776	831,694
Cash, trading and operating accounts	509,742	597,816

Table 7. - Fuel Used - 1928 and 1929.

Kinds of Fuel	Quantity		Value	
	1928	1929	1928	1929
			\$	\$
TOTAL	-	-	15,128	16,326
Bituminous coal - Canadian	ton 18	307	134	2,254
" " - Imported	" 550	710	4,009	4,439
Anthracite coal	" 3	27	51	375
Lignite coal - Canadian	" 6	-	72	-
" " - Imported	" -	-	-	-
Coal	" 331	428	3,995	3,834
Gasoline	gal. 337	410	101	113
Fuel oil and diesel oil (not including lubricating oil)	1,030	-	103	-
Kerosene or coal oil	gal. -	-	-	-
Wood	cord 367	435	4,563	2,592
Gas, manufactured	M. cu.ft. 200	127	200	135
Other fuel	-	-	2,700	2,584

Table 8. - Power Employed - 1928 and 1929.

	Number of Units		Total H.P.	
	1928	1929	1928	1929
Total Power Used	98	85	2,361	1,861
Steam engines and turbines	16	12	1,046	995
Oil, gas and gasoline engines	7	4	58	37
Hydraulic turbines or water wheels	3	3	157	83
Electric motors purchased power	72	66	1,120	766
Electric motors generated power	2	1	115	25
Boilers installed	17	17	1,377	1,587



COOPERAGE WAS THE PRINCIPAL PRODUCTS OF THE FOLLOWING FIRMS IN 1929.

PRINCE EDWARD ISLAND

St. John, Pat.

Souris

NOVA SCOTIA

Armstrong, Leslie H.
Baker and Loomer
Barkhouse, A.S.
Boylan, F.E.
Burke, A. J. & Co.
ComEAU, R. J.
Cook, A. V.
Dartmouth Cooperage Co.
Farmers Cooperage Ltd.
Greif Bros. Cooperage Co.
Hartlen, Wallace, C.
Hutt, Chas. O.
Kinsman, John
Lantz, Elmer, C.
Lunenburg, Cooperage
Melanson Fruit Co. Ltd.
Melvin Bros.
Millett, Harvey
Millett, Judson S.
North Kingston Co. Ltd.
Orde, Owen
Robin, Jones and Whitman Ltd.
Sawler, H. D.
Smith, J. Chandley
Weston Fruit Co. Ltd.
Wood and Porter
Zwicker, F. B.

Bloomington and Wilmot Sts., Forbrook Mines.
Falmouth
New Ross
New Ross
135 Lower Water St., Halifax
ComEAUville
Waterville
109 Upper Water St., Halifax
Berwick
Sydney
Milton
Grafton
Sheffield Mills
R. R. # 1, Greenwich
31 Montague St., Lunenburg
Melanson
Canning
Chester Basin
Gaspereaux
North Kingston
Annapolis Royal
Water St., Halifax
Somerset
Dock St., Shelburne
Weston
Centreville
Mahone Bay

NEW BRUNSWICK

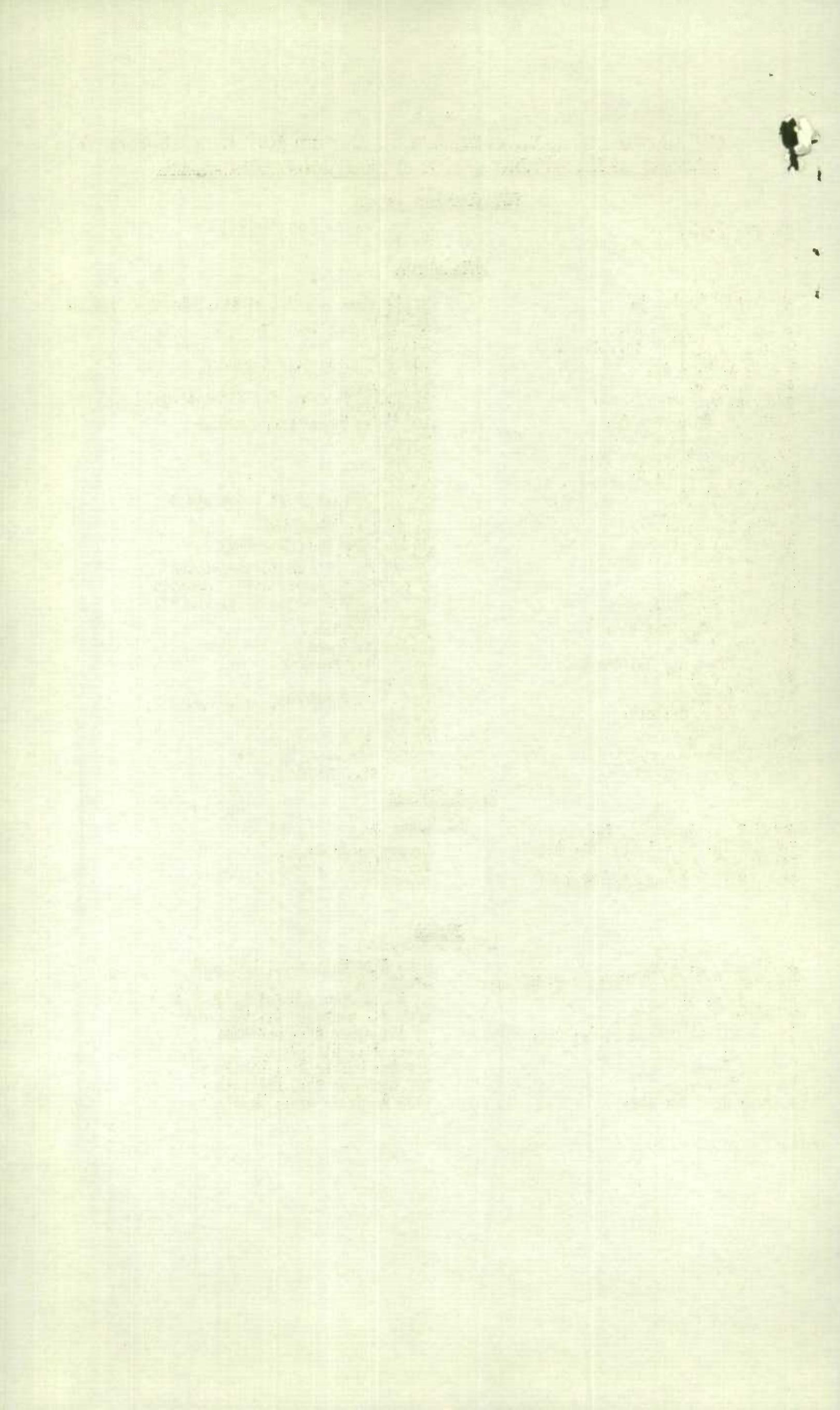
Grief Bros. Cooperage Co.
Hubbard, R. D. - Burton Co. Ltd.
Little, Clarence
River Valley Lumber Co. Ltd.

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

QUEBEC

Arshinoff, A. & Son
Athelstan Cooperage Mills - H. Hampson
Cote, J. R. E.
Dominion Cooperage Co.
International Cooperage Co. Ltd.
Leduc, A.
McCum, Donald
Paxton Cooperage
Paxton, John Co. Ltd.

4436 City Hall Ave., Montreal
Athelstan
33 Rue Sault-au-Matelot, Quebec
4254 St. Lawrence W., Montreal
30 Seigneurs St., Montreal
Mont. St., Hilaire
254 St. Martin St., Montreal
519 Richmond St., Montreal
5435 Casgrain Ave., Montreal



COOPERAGE WAS THE PRINCIPAL PRODUCT OF THE FOLLOWING FIRMS IN 1929 (Concluded)

ONTARIO

Barr, W. G. & Son	21 Balfour St., St. Catharines
Canada Barrels and Kegs Limited	Shantz Ave., Waterloo
Cole and Cole	Mary St. West, Picton
Crosbie, E. A.	98 Water St., Simcoe
Curtz, J. H.	Conestogo
Davis, D.	Waterdown
Dominion Cooperage Co.	159 Ossington Ave., Toronto
Dominion Cooperage Co., J. Hayne	Brigden
French, J.G.	Melville R. R. 2. - Consecan
Gordon, H. H.	Pickering
Grief Bros. Cooperage Co.	Hamilton, Cardinal and Kincardine
Hargaden, Owen	Walnut St., Brantford
International Cooperage Co. of Canada Ltd.	Tillsonburg
Johnson, E. S.	Grimsby
Kingdom Bros.	Peterboro
Lake of the Woods Milling Co. Ltd.	Keewatin
Landreville, Jos. & Sons, Ltd.	129-135 Tecumseth St., Toronto 3
London and Petrolia Barrel Co. Ltd.	763 Simcoe St., London
McElroy, H.	Blyth
McFish, J.	Smith's Falls
McVeigh, J. L.	948 Fourth Ave. East, Owen Sound
McVittie, John	H. O. 106 Gladstone Ave., Hamilton
Milligan Co., G. Leo.	Lacie St., Orillia, P. O. Box 527
Pickell, Wm.	McHenry St., Forest
Pringle, W. E.	Picton
Reid Bros.	Bridge St., Picton
Rish, E. H. & Son	Dundas
Snodgrove, Fred	Brighton
St. Mary's Cooperage	Queen and James Sts., St. Mary's
Stanton, T. C.	Brighton
Sutherland, Innes Co. Ltd.	Chatham & Wallaceburg
Toronto Cooperage Co.	77 Ritchie Ave., Toronto
Trenton Cooperage Mills	Wragge St., Trenton

MANITOBA

Manitoba Cooperage, J. Kane	Empress St., Winnipeg
Western Canada Flour Mills Co. Ltd.	Winnipeg, H. O. Toronto, Ont.

BRITISH COLUMBIA

Canadian Western Cooperage Co.	Ft. of Smythe St., Vancouver & Industrial Reserve, B.C.
Reid, W. F.	1549 Main St., Vancouver

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