

Act, with a capital of \$8,000, to purchase the steamboat Forager and the business carried on therewith, by the Butler Freighting and Towing Co., Ltd., to acquire steam and other vessels, and carry on a general freighting and carrying business. The Forager was built at Victoria in 1904, and is a screw driven vessel with engine of 13 n.h.p. Her dimensions are: length, 84 ft.; breadth, 18.8 ft.; depth, 6.6 ft.; tonnage, 90 gross, 57 net.

The New Columbia River Lumber Co., Ltd., has been incorporated under the B.C. Companies Act, with a capital of \$5,000,000 to carry on the general business of lumbermen, and in connection therewith to own and operate steam tugs and vessels of all descriptions.

Capt. C. H. Nicholson, heretofore Traffic Manager Northern Navigation Co., Sarnia, Ont., has been appointed Manager G.T.P.R. Pacific Coast Steamship Lines, with headquarters at Vancouver. He will have supervision of all matters pertaining to the company's marine and steamship business on the Pacific coast, the operation and maintenance of steamers, docks, etc., and such other duties as may be assigned to him.

A vessel is under construction at New Westminster for Anglican Church mission work in Northern British Columbia and along the Pacific coast. The dimensions of the vessel are given as: length, 100 ft.; breadth, 17 ft.; depth, 10 ft. It is being built of fir, with oak ribs and oak stern post, and will be equipped with two gasoline engines of 100 n.h.p. each, and carrying a small gasoline launch. It will be steam heated and lighted by electricity, and fitted up with all the requirements of a modern hospital.

We are advised that the contract which the Dominion Government has entered into with the G.T.P.R., for a steamboat service on the Pacific coast, calls for a fortnightly service from Nov. 1 to Mar. 31, and a weekly service from Apr. 1 to Oct. 31, each year, and that it expires Mar. 31, 1915. For this service, the G.T.P.R. has chartered Mackenzie Bros.' s.s. Henriette, which it hopes to replace by one of its own vessels about March. The Henriette, which was formerly a sailing vessel, has an engine of 32 n.h.p. driving a screw. Her dimensions are: length, 160 ft.; breadth, 30 ft.; depth, 18 ft. 9 ins.; tonnage, 763 gross, 518 net.

SAULT STE. MARIE CANALS TRAFFIC.

The following commerce passed through the Sault Ste. Marie Canals during 1909 :

ARTICLES.	CANADIAN CANAL	U. S. CANAL	TOTAL
Copper.....Eastbound.....Net tons	8,823	118,889	127,212
Grain.....".....Bushels	28,528,222	17,984,646	46,512,868
Building stone.....".....Net tons		1,784	1,784
Flour.....".....Barrels	2,508,392	4,580,473	7,088,865
Iron ore.....".....Net tons	21,128,194	18,866,499	39,994,693
Pig iron....."....."....."	4,414	36,240	40,654
Lumber.....".....M. ft. B.M.	34,686	517,694	552,380
Wheat.....".....Bushels	74,814,845	38,438,716	113,253,561
General merchandise.....".....Net tons	65,060	98,099	163,159
Passengers.....".....Number	14,751	15,126	29,877
Coal, hard.....Westbound.....Net tons	351,634	1,060,753	1,412,387
Coal, soft....."....."....."	2,377,099	6,150,540	8,527,639
Flour.....".....Barrels	4,950	360	5,310
Grain.....".....Bushels	833	5,750	6,583
Manufactured iron.....".....Net tons	154,408	327,219	481,627
Iron ore....."....."....."	20,285		20,285
Salt.....".....Barrels	201,114	449,977	651,091
General merchandise.....".....Net tons	479,720	497,465	977,185
Passengers.....".....Number	17,461	12,610	30,071
Vessel passages.....Number	6,401	12,803	19,204
Registered tonnage.....Net	17,812,254	28,939,463	46,751,717
Freight—Eastbound.....Net tons	24,350,318	22,028,768	46,379,086
—Westbound....."....."	3,412,457	8,103,603	11,516,063
Total freight....."	27,762,775	30,132,374	57,895,149

COMPARATIVE STATEMENT FOR THE SEASONS OF 1908 AND 1909.

ITEMS.	1908	1909
Vessels :		
Steamers.....Number	12,553	16,463
Sailing....."....."	1,355	1,787
Unregistered....."....."	1,273	954
Total....."	15,181	19,204
Lockages....."	10,685	13,571
Tonnage, Registered.....Net	31,091,730	46,751,717
—Freight....."	41,390,557	57,895,149
Passengers.....Number	53,287	59,948
Coal, hard.....Net tons	1,384,743	1,412,387
—soft....."	8,517,717	8,527,639
Flour.....Barrels	5,704,375	7,094,175
Grain.....Bushels	103,041,873	113,253,561
Manufactured and Pig Iron.....Net tons	43,458,588	46,519,451
Salt.....Barrels	289,308	522,281
Copper.....Net tons	547,223	651,091
Iron Ore.....Net tons	101,735	127,212
Lumber.....M. ft. B. M.	24,650,340	40,014,978
Building Stone....."	453,761	552,380
General Merchandise.....Net tons	1,019	1,784
	842,901	1,140,344

The U. S. canal was opened Apr. 20, and closed Dec. 11, 1909; season, 236 days.

The Canadian canal was opened Apr. 21, and closed Dec. 16, 1909; season, 240 days.

The Purchasing Agents' Guide

To the Manufacturers of and Dealers in Steam and Electric Railway, Marine, Grain Elevator, Express, Telegraph Telephone and Contractors' Supplies, &c.

Aerated Waters
E. L. Drewry Winnipeg.

Air Brakes and Fittings
Allis-Chalmers-Bullock Ltd. Montreal.
Canadian Westinghouse Co. Hamilton, Ont.

Ales
E. L. Drewry Winnipeg.

Angle Bars
Hamilton Steel & Iron Co. Hamilton, Ont.
Montreal Rolling Mills Co. Montreal.
Nova Scotia S. & C. Co., New Glasgow, N.S.

Anti Rail Creepers
The Holden Co., Ltd. Montreal.

Axes
Hamilton Steel & Iron Co. Hamilton, Ont.
James Smart Mfg. Co. Brockville, Ont.

Axles
James Hutton & Co. Montreal.
Nova Scotia S. & C. Co., New Glasgow, N.S.
Jas. W. Pyke & Co. Montreal.
Rhodes, Curry Co., Ltd. Amherst, N.S.

Beacons
International Marine Signal Co. Ottawa.

Bearings, Side
Chicago Railway Equipment Co. Chicago.
Dominion Car and Foundry Co. Montreal.
Union Draft Gear Co. Chicago, Ill.

Blankets and Bedding
The Hudson Bay Co.

Boilers
Babcock & Wilcox, Ltd. Montreal.
Polson Iron Works, Ltd. Toronto.
Robb Engineering Co., Ltd. Amherst, N.S.

Boilers, Portable
Babcock & Wilcox, Ltd. Montreal.
Polson Iron Works, Ltd. Toronto.
Robb Engineering Co., Ltd. Amherst, N.S.

Boilers, Stationary and Marine
Babcock & Wilcox, Ltd. Montreal.
I. Matheson & Co. New Glasgow, N.S.
Polson Iron Works, Ltd. Toronto.
Robb Engineering Co., Ltd. Amherst, N.S.

Boller Staybolt Iron or Steel Bars
Falls Hollow Staybolt Co. Cuyahoga Falls.

Boilers, Steam
Babcock & Wilcox, Ltd. Montreal.
Polson Iron Works, Ltd. Toronto.
Robb Engineering Co., Ltd. Amherst, N.S.

Boilers, Water Tube
Babcock & Wilcox, Ltd. Montreal.
Polson Iron Works, Ltd. Toronto.
Robb Engineering Co., Ltd. Amherst, N.S.

Bolsters
Dominion Car and Foundry Co. Montreal.

Bolts, Bridge
Montreal Rolling Mills Co. Montreal.
Toronto Bolt and Forging Co. Toronto.

Bolts, Carriage and Machine
Toronto Bolt and Forging Co. Toronto.

Bolts, Track
Montreal Rolling Mills Co. Montreal.
Nova Scotia S. & C. Co., New Glasgow, N.S.
Toronto Bolt and Forging Co. Toronto.

Books
Engineering News Book Dept. New York.
Renouf Publishing Co. Montreal.

Borers, Car Wheel
John Bertram & Sons Co. Dundas, Ont.

Braces, Cross Arm
Montreal Rolling Mills Co. Montreal.
Toronto Bolt and Forging Co. Toronto.

Brake Beams
Chicago Railway Equipment Co. Chicago.
Dominion Car and Foundry Co. Montreal.

Brake Shoes
Am. Brake Shoe & Fdry Co. Mahwah, N.J.
Canada Iron Corporation, Ltd. Montreal.
The Holden Co., Ltd. Montreal.