

United States Ships to go via the St. Lawrence to the Sea.

During the ensuing navigation season 57 steamships of about 4,250 d.w. tons each and 26 ocean going ships built on the Great Lakes for the United States Shipping Board, Emergency Fleet Corporation, will be taken through the Welland Canal, Lake Ontario, and the St. Lawrence River and Canals to the sea. We are advised by the Emergency Fleet Corporation's Montreal office, E. Quack-

enbush, agent, and M. A. Baisaire, Port Captain, that 35 of the ships are ready for delivery at the opening of navigation, and that the following is the estimated expenditure on them preparatory to their sailing from Montreal:—

57 Ships of about 4,250 d.w. ton.	
Repairs, at \$300 each	\$17 100
Engineer stores, at \$300 each	17,100
Steward supplies, at \$2,000 each	114,000

Deck stores, at \$300 each	17,100
Fuel oil estimate	200,000
26 Ocean going tugs, coal burners.	
Fuel	\$ 6,000
Stores, engineers, deck and steward, etc	2,300
Repairs	1,500
Total	\$375,600

Following is a list of the ships and tugs. The number given of each is the Emergency Fleet Corporation's.—

No.	Builders.	Name.
1793	American Ship Bldg Co., Detroit	City of Flint
1794	"	Detroit-Wayne
1763	Saginaw Ship Bldg Co., Saginaw	Elmac
1880	Great Lakes Eng. Works, Ecorse	Elmont Lake
1882	"	Elmsford Lake
1888	"	Elmwood Lake
1888	"	Elsah Lake
1890	"	Elva Lake
1891	"	Elwin Lake
1799	American Ship Bldg. Co., Detroit	Falun Lake
1801	"	Fandango Lake
1802	"	Fandon Lake
1861	McDougal-Duluth Co., Duluth	Fargo
1825	American Ship Bldg Co., Lorain	Fenn Lake
1826	"	Feodora Lake
1841	Toledo Ship Bldg. Co., Toledo	Fillmore Lake
1852	Globe Ship Bldg Co., Superior	Flag Lake
1864	McDougal-Duluth Co., Duluth	Floravista Lake
1865	"	Florian Lake
1866	"	Floris Lake
1867	"	Flournoy Lake
1824	American Ship Bldg Co., Lorain	Franklin County
1761	Saginaw Ship Bldg. Co., Saginaw	Furnas Lake
1754	Manitowoc Ship Bldg Co., Manitowoc	Galien Lake
1755	"	Galisteo Lake
1760	Saginaw Ship Bldg Co., Saginaw	Ganado Lake
1763	"	Gano Lake
1764	"	Gara Lake
1765	"	Gardeau Lake
1775	American Ship Bldg Co., Chicago	Gert Lake
1776	"	Getaway Lake
1777	"	Geyser Lake
1778	"	Giddings Lake
2352	Globe Ship Bldg Co., Superior	Glaucus Lake
1863	McDougal Duluth Co., Duluth	Great Falls
2353	Globe Ship Bldg Co., Superior	Gunni Lake
2611	Manitowoc Ship Bldg Co., Manitowoc	Heresti Lake
1823	American Ship Bldg Co., Lorain	Henry County
1827	"	Indiana Harbor
1792	"	Inglenook Lake
1860z	"	McCreary County

1797	American Ship Bldg Co., Detroit	Hancock County
2354	Globe Ship Bldg Co., Superior	Harminia Lake
2355	"	Hector Lake
1844	Toledo Ship Bldg Co., Toledo	Pulaski
1747	Manitowoc Ship Bldg Co., Manitowoc	Ripon
1842	Toledo Ship Bldg Co., Toledo	Rushville
1759	Manitowoc Ship Bldg Co., Manitowoc	Sioux City
1862	McDougal-Duluth Co., Duluth	Sioux Falls
1881	Great Lakes Eng. Works, Ecorse	Slavi Lake
1800	American Ship Bldg. Co., Detroit	Tippah Lake
1798	"	Treba Lake
1843	Toledo Ship Bldg Co., Toledo	Union Liberty
1796	American Ship Bldg Co., Detroit	Vinton County
1758	Manitowoc Ship Bldg Co., Manitowoc	Wauwatosa
1860	McDougal-Duluth Company, Duluth	Lacrosse

Tubs to be delivered in 1920.

No.	Builders.	Name.
2811	Northwest Eng. Co., Green Bay	Allouez
2516	Dachel-Carter B. Co., Benton Harbor	Badger
2576	Burger Boat Co., Manitowoc	Beagle
2587	Leathern & Smith Tow & Wreck Co., Sturgeon Bay	Bear
2785	"	Bullock
2788	"	Burro
2789	"	Camel
2810	Northwest Eng. Co., Green Bay	Fort Howard
2517	Dachel-Carter C. Co., Benton Harbor	Leopard
2044	Whitney Bros. Co., Superior	Kaleen
2066	Northwest Eng. Co., Green Bay	Moositauke
2069	"	Outagamie
1786	Leathern & Smith Tow & Wreck Company, Sturgeon Bay	Ox
2574	Burger Boat Company, Manitowoc	Pointer
2809	Northwest Eng. Co., Green Bay	Pottawatamie
2070	"	Pyos
2575	Burger Boat Company, Manitowoc	Spaniel
2067	Northwest Eng. Co., Green Bay	Toopi
2065	"	Yallonia
2808	Northwest Eng. Co., Green Bay	Green Bay
2040	Whitney Bros. Co., Superior	Kipkee
2041	"	Kiron
2042	"	Kitchi
2043	"	Kolda
2573	Burger Bros. Co., Manitowoc	Setter
2807	Northwest Eng. Co., Green Bay	Tamah

Canadian Notices to Mariners.

The Marine Department has issued the following notices:—

British Columbia, Cousins Inlet, Wallace Bay.—T. S. Guns, a British Columbia pilot, Victoria, reports the existence of a rock near Wallace Bay, Cousins Inlet, about ½ mile, 128 degrees, from the light on Wearing Point, at a depth of 8 ft. The locality will be examined by the Hydraulic Survey as soon as possible.

British Columbia, Vancouver Island, Esquimalt Harbor.—Uncharted shoal spots have been found in Esquimalt harbor, at 4 points, at 21, 35, 34 and 33 ft. deep, respectively.

Nova Scotia, South Coast, Lunenburg Harbor.—The black can buoy on southeast point of Long shoal will be replaced by a black steel cylindrical gas buoy, showing an occulting white light, without further notice.

Ontario, Lake Erie, Pelee Passage.—During July the submarine bell, on the southeast shoal lightship, will be run continuously, to enable masters of ships equipped with submarine apparatus to test their apparatus and familiarize themselves with the use of submarine signals.

Ontario, Lake St. Clair.—At the mouth of the Thames River, at the outer end of the dredged cut, 1½ miles from the Thames River main light, the gas buoy is adrift; further notice will be given when it has been replaced.

Ontario, Lake Superior, Otter Island. It is proposed to establish a fog alarm at Otter Island light station on the north-

west end of the island, and the establishment of a light will be deferred until construction is commenced, which will be about midsummer.

Ontario, Presqu'île Bay.—The Brighton no. 1 range light tower has been blown down, and until it is re-erected, a temporary fixed white light, shown from a lantern on a pole, has been placed on the pier.

Ontario, Rideau Canal.—All lights on floats and tripods on the Rideau canal between Smiths Falls and Kingston have been discontinued.

Quebec, River St. Lawrence, Ile Verte. On the opening of navigation the fixed white range lights on Government wharf, 312 ft. from its outer end, will be changed to fixed red lights.

Quebec, River St. Lawrence, Ship channel between Quebec and Montreal.—On the opening of navigation, the spar buoy 79M, on the south side of the channel, south of Ile au Boeuf, will be replaced by a black, steel cylindrical gas buoy, showing an occulting white light.

Quebec, River St. Lawrence, Ship Channel between Quebec and Montreal.—On the opening of navigation, the buoys between curve 2 and curve 3, Lake St. Peter, were rearranged. The black spar buoys 45.1 and 69.1 were replaced by black steel cylindrical gas buoys showing occulting white lights. The black gas buoys 47.1 and 67.1 were replaced by wooden spar buoys. A black spar buoy 47 M. has been established on the east side of the channel, in Contrecoeur traverse curve, 1,400 ft. south of black gas buoy 45 M. and other buoys in this curve have been rearranged. At Pointe aux

Trembles, the buoys have been rearranged, and a red spar buoy has been established opposite black can buoy 163 M., and numbered 164 M.

United States, Detroit River.—On or about May 3, the fixed white light on the east shore of Grosse Isle will be replaced by a flashing white light, showing a flash every two seconds.

United States, St. Clair River.—On the opening of navigation, St. Clair Flats canal east pierhead light was discontinued, and the east channel gas buoy 4 was established in lieu thereof; light, occulting red every 10 seconds, at an elevation of 13 ft., in a depth of water of 22 ft. The east channel revetment will be dredged away at this point.

Hill & Co. (Exports & Imports) Ltd., has been incorporated under the Ontario Companies Act, with \$200,000 authorized capital and office at Toronto, to carry on a general import and export business in Canada, for British, colonial and foreign commercial houses, and to conduct a navigation, transportation and warehousing and grain elevating business, and in connection therewith, to own and operate steam and other ships, warehouses, wharves, docks and elevators. The provisional directors are: E. N. Armour, D. C. Skinner, N. F. Allan, H. R. Hollinshead and I. R. McKibbin.

Harbour Navigation Co. Ltd., has been incorporated under the British Columbia Companies Act, with \$100,000 capital, and office at Vancouver, to own and operate steam and sailing ships of every description and to carry on a general shipping and forwarding business.