Pickford & Black, owners Steamers between Prince Edward Island and Halifax.

## ROBERT H. COGSWELL'S

[1898

Mark Point, St Croix River, Charlotte County, lat 45° 10' 10" N., lon 67° 12' 30" W., fixed white catoptric light 32 feet high, visible 10 miles, square white building, height 28 feet.

Head Harbor, E. Quoddy Head, N point of Campobello Island, l at 44° 57' 30" N., long 66° 54' 10" W. Fixed white light, dioptric, 64 feet high, visible 13 miles. Octagonal building, 34 feet, white with red cross, d welling attached, iron lantern red. Feg trumpet sounds blast of 8 seconds duration, with intervals of 35 seconds between them

MULLHOLIAND POINT, on E. side Lubec Narrows, Campobello Island, lat 44° 51′ 40″ N, long 66° 58′ 50″ W. Fixed white light, dioptric, 60 feet high, visible 13 miles from N. N. W. through E. to S. S. W. Building white octagonal wood, 44 feet.

SOUTH WEST WOLF ISLAND, on S. E. point of the island, lat 44° 56′ 30° N., lon 66° 44° 00° W., white catoptric light, revolving every 1½ minute, visible 17 miles, 111 feet high, building white, square, wood, height 35 feet. Lantern on dwelling; visible from all points of approach. An automatic whistling buoy is moored in 52 fathoms, 1½ miles S. S. E. from Wolf Island light.

Swallow Tail, N. E. part of Grand Manan, lat 44° 45° 46° N., lon 66° 44° 2° W., fixed white dioptric light, visible 17 miles, 148 feet high, white octagonal wooden building, height 50 feet. Visible between the bearings of S. W. round by S. to N. W.

Long Eddy Point Fog Whistle, extreme N. W. head of Grand Manan, 80 feet above high water, sounds blasts of 4 seconds duration, with intervals of 16 seconds; lat 44° 48′ 0"N., lon 66° 47′ 15" W.

Grand Harbor, Grand Manan, on Fish Fluke Point, lat 44° 40′ 2″ N, lon 66° 45′ 8″ W. fixed white catoptric light, visible 11 miles, 40 feet high, white, square wooden building, with dwelling attached, height 32 feet. Visible from all points seaward.

BIG DUCK ISLAND FOG HORN, S. end of Island, lat 44° 41° 5" N., long 66° 41° 40" W. Soun is blasts of 6 seconds duration, with intervals of 35 seconds.

SOUTH-WEST HEAD, Grand Manan, bridge of cliff, S. extremity of head, lat 44° 36′ 0″ N, lon 66° 54′ 16″ W, revolving red and white catoptric light; visible 20 miles, three red flashes 40 seconds, eclipse 20 seconds, 3 white flashes 40 seconds, eclipse 20 seconds, 200 feet high; white, square wooden building, with dwelling attached, height 43 feet.

GANNET ROCK, S. of Grand Manan, lat 44° 30° 38° N., lon 66° 6° 57° W., intermittent white light, 45 seconds, eclipse 5½ flash 4½, eclipse 5½ in every 60. Visible 12 miles. Vertical black and white stripes, octagonal, wood, 41 feet high—Cotton powder bombs exploded every 20 minutes. Dangerous rocks extend 4 miles eastward of the light house.

MACHIAS SEAL ISLAND, near middle of island, lat 44° 30° 7° N, lon 67° 6° 13° W. Fixed white light, dioptric, 54 feet high, visible 12 miles. Also, 64 yards S. E. from westerly light, fixed white light, dioptric, 66 feet high—Both buildings white, octagonal wood. In range N. W. will lead 4¾ miles S. of Murr Ledges. A tog whistle sounds 5 seconds in each half minute.

## SABLE ISLAND.

Sable Island, west end light house, lat 43° 56′ 40″ N., lon 60° 6′ 0″ W. A revolving white light, giving three flashes at intervals of half a minute, then a cessation of light during one and a-half minutes; visible 17 miles. White octagonal tower, 98 feet high. 2½ miles W. of Main Station.

Sable Island, 6 miles from east end, lat 43° 58′ 10″ N., lon 59° 46′ 20″ W., fixed white dioptric light, 2nd order, visible 18 miles, 128 feet high, octagonal building, white and brown alternately, height 86 feet. Telephone connects the two lights and four residential stations.

MACDONALD & CO., Manufacturer of Manrope Stanchions.—p. 4 cover