Manufacturers of Brass Binnacles and Stands.—See adv. p. 3 cover.

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MACDONALD

Offer Wadham Island, lat 49 16 N, lon 53 45 W, fixed white light, 100 feet high, visible 10 miles, circular brick tower, dwelling white and detached. Cabot, Stinking Island, Bonavista Bay, lat 49 10 26 N, lon 53 21 21 W,

white light, making one complete revolution in a minute, appearing about 11 seconds and 9 seconds dark. Iron light tower in centre of square wooden building. Roofs flat; sides banded horizontally, red and white

Puffin Island, Greenspond, lat 49 3 37 N, lon 53 37 27 W, fixed red light,

Pulmi Island, Greenspond, lat 49 3 37 N, lon 53 37 27 W, fixed red light, 85 feet high, visible 10½ miles, lighthouse granite with dwelling attached. The light is visible N by E through S to W by N by compass.

Cape Bonavista, lat 48 41 50 N, lon 53 5 20 W, revolving light, alternately white and red every 90 seconds, 150 feet high, visible 15 miles. By keeping this light open with Cape L'Argent it will carry you clear of the Flower Rocks.

Green Island, at the entrance of Catalina Harbor, Trinity Bay, lat 48 30 16 N, lon 53 2 40 W, fixed white light, 92 feet above high water, visible from E N E seaward to S W 11 miles. Vessels bound northward by keeping this light open with the North Head of Catalina until Bonavista light opens with Cape LeJean, will give the Flower Rocks an ample berth; or when coming from northward and bound for Catalina, by giving the N Head a moderate berth, will clear the Brandies Rocks by steering from Green Island Light.

Fort Point, Trinity, lat 48 21 55 N, lon 53 20 51 W, fixed white light visible 11 miles, upon a wooden tower painted white, 75 feet high. This light illuminates the arc of the horizon of 320°. In entering the harbor the light must be kept on the port hand.

Baccalieu Island, northern end, lat 48 8 51 N, lon 52 47 50 W, white revolving light, showing a flash every 20 seconds, height 443 feet above high water, visible 24 miles, brick tower, dwelling white with red roof, detached from the tower. When the southern end of the island bears N N E the light will not be visible when nearer the island than 8 miles.

Carbonear Island, lat 47 44 24 N, lon 53 9 22 W, fixed white light, 195 feet high, visible 16 miles, tower and dwelling in one building; the whole horizon is illuminated.

Harbor Grace Island, lat 47 42 45 N, lon 53 8 15 W, revolving light, 2 white flashes followed by one red, each attains its greatest brilliancy

every 30 seconds, visible 15 miles. Harbor Grace Beach Beacon and light, lat 47 41 28 N, lon 53 12 35 W, fixed white light, 40 feet high, in a white tower on the point of beach at the entrance of Harbor Grace; visible  $7\frac{1}{2}$  miles. Entering it with a fair or leading wind, bring it to bear W or W by S, and by keeping the light or building a little on the starboard bow, it will bring you clear of the bar, on which at low water there is not more than 8 feet of water.

Green Point, Bay Roberts, on Point, lat 47 37 N. lon 53 10 W, one white light fixed, visible 8 miles. Building circular, red and white bands. Immediately beneath the principal light is a projecting lantern from which 3 lights are exhibited. The two outer lights show white and the centre light in line with Southern Rocks bearing S W ½ W show red. Cape St. Francis, lat 47 48 30 N, lon 52 46 50 W, fixed red light, 123 feet high visible 12 miles.

high, visible 12 miles.

Cape St. Francis Fog Alarm.—During thick weather and snow storms a

powerful Siren Trumpet will be sounded 5 seconds—5 seconds and silent 45 seconds in each minute. The buildings are of wood, painted white,

the roofs flat, lantern on higher roof elevated above it on a square block; the lower building is the fog alarm house.

Fort Amherst, at the entrance of St. John's, lat 47 35 54 N, lon 52 40 18 W, fixed white light, 114 feet high, visible 12 miles. When Cape Spear is enveloped in fog a heavy piece of ordinance is also discharged at this fort every hour during daylight, to assist vessels in making the harbor.