

- Beacon No. 5. Marsh Island, white light.  
 Beacon No. 6. Drum Shoal, red light.  
 Beacon No. 7. Below Old Brunswick, red light.  
 Beacon No. 8. Old Brunswick, white light.  
 Beacon No. 9. Orton Point, white light.  
 Beacon No. 10. Above Orton Point, red light.  
 Beacon No. 11. Campbell Island, white light.  
 Beacon No. 12. End of First Jetty, white light.  
 Beacon No. 13. End of Second Jetty, red light.  
 Beacon No. 14. End of Third Jetty, white light.  
 Beacon No. 15. End of Fourth Jetty, red light.  
 Beacon No. 16. Hospital Point, red light.

24th [The bearing is magnetic. Variation  $\frac{1}{4}$ ° Westerly in 1885.]

By command of their Lordships,  
*W. J. L. Wharton*, Hydrographer.  
 Hydrographic Office, Admiralty, London,  
 24th March, 1885.

This Notice affects the following Admiralty Charts:—Cape Fear River, with plan of Southern Entrance, No. 2863. Also, Admiralty List of Lights in the United States, 1885, Nos. 266, 267, page 36; and Sailing Directions for the principal ports of the United States, 1882, pages 188, 189.

#### NOTICE TO MARINERS.

(No. 46.)—MEDITERRANEAN.—SICILY—  
 WEST COAST.

(1.) *Marsala—Re-Exhibition of Permanent Light on Mole, Discontinuance of Provisional Light.*

WITH reference to Notice to Mariners, No. 319 (1), of 20th October, 1883, on the exhibition of a provisional red light from the extremity of the mole at Marsala:—

The Italian Government has given further notice, that on 28th February, 1885, the permanent light would be re-exhibited on the mole, and the provisional light discontinued:—

The light is fixed white, varied by flashes every three minutes, elevated 65 feet above the sea, and should be visible in clear weather, the fixed light from a distance of 8 miles, the flashes from a distance of 14 miles.

The illuminating apparatus is dioptric, or by lenses, of the sixth order.

The lighthouse consists of a cylindrical tower above a one-storied dwelling.

#### SICILY—SOUTH COAST.

(2.) *Fixed and Flashing Light on Cape St. Marco.*

Also, has given notice, that on 1st March, 1885, a light would be exhibited from a lighthouse erected on Cape St. Marco:—

The light is fixed white, varied by flashes every thirty seconds, visible through an arc of  $216^\circ$ , or between the bearings of S.  $42\frac{1}{2}^\circ$  E., through north, and N.  $78\frac{1}{2}^\circ$  W.; it is elevated 10 feet above the sea, and should be seen in clear weather, the fixed light from a distance of 10 miles, the flashes from a distance of 14 miles.

The lighthouse, about 21 feet high, is painted white, and consists of a small octagonal tower with keeper's dwelling, of one story, attached.

Approximate position on Admiralty charts, lat.  $37^\circ 29' 25''$  N., long.  $13^\circ 2' 06''$  E.

[The bearings are magnetic. Variation  $10\frac{1}{2}^\circ$  Westerly in 1885].

By command of their Lordships,  
*W. J. L. Wharton*, Hydrographer.  
 Hydrographic Office, Admiralty, London,  
 26th March, 1885.

This Notice affects the following Admiralty Chart:—Mediterranean Sea, Nos. 449, 2158a, b; Adriatic Sea, No. 1410; Sardinia to Malta, No. 165; Cefalù to Mazzara, No. 170 (1); Trapani to Marsala, No. 189 (1); Mazzara to Palma, No. 186 (2). Also, Admiralty Lists of

No. 25459.

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Lights in the Mediterranean, 1885, No. 337, page 32; and Mediterranean Pilot, Vol I, 1873, pages 315, 319.

#### NOTICE TO MARINERS.

(No. 47.)—AUSTRALIA—CORAL SEA.  
 OUTER ROUTE.

*Reefs North-Westward of Willis Group.*

INFORMATION has been received from Commander W. U. Moore, H.M.S. "Dart," of the existence of two coral reefs lying north-westward of Willis Group, westward of the Outer Route to Torres Strait:—

These reefs (Moore Reefs) were passed in the forenoon of 1st January, 1885, distant 2 miles, weather bright; they were awash, and from the masthead appeared to be 3 to 4 miles apart, and to lie from each other in a N. by W. and S. by E. direction. The northern and smaller reef was estimated to be 2 miles long in a north and south direction, with a breadth of one mile.

The north-west extreme of Northern Moore Reef is in lat.  $15^\circ 53\frac{1}{2}'$  S., long.  $149^\circ 9\frac{3}{4}'$  E.

NOTE.—At 4 p.m. 21st January, 1885, the "Dart," from a position by observation, in lat.  $15^\circ 25'$  S., long.  $149^\circ 4'$  E., proceeded under steam S.S.W.  $\frac{1}{2}$  W. a distance of 8 miles; thence a south course was steered, passing over the charted position of the south-eastern of the two reefs seen by Bougainville in 1768. The weather at the time was not unfavourable for seeing breakers at the distance of 5 to 7 miles, but no indication of shoal water was discerned from the masthead. Although this tends to disprove the existence of a reef in the position assigned, it will for the present be retained on the Admiralty Charts.

[The bearings and courses are magnetic. Variation  $6\frac{1}{4}^\circ$  Easterly in 1885.]

By command of their Lordships,  
*W. J. L. Wharton*, Hydrographer.  
 Hydrographic Office, Admiralty, London,  
 26th March, 1885.

This Notice affects the following Admiralty Charts:—Indian Ocean, No. 2483; Pacific Ocean, Nos. 780, 2683; Australia, northern portion, No. 275a; Coral Sea, No. 2761. Also, Australia Directory, Vol. II, 1879, pages 446, 448; and Supplement to Australia Directory, Vol. II, page 75.

#### NOTICE TO MARINERS.

(No. 48.)—SCOTLAND—EAST COAST.  
 FIRTH OF FORTH.

*Group-Flashing Light on Fiddra Island.*

THE Commissioners of Northern Lighthouses have given notice, that on 15th April, 1885, a light will be exhibited from a lighthouse recently erected on Fiddra Island, southern shore of Firth of Forth.

The light will be a group flashing white light, showing two flashes in quick succession, with intervals of about fifteen seconds between the groups; it will be elevated about 113 feet above high water spring tides, and should be visible—where not obscured by the coast, Bass Rock, Craigeith, or Lamb Isle—from a distance of about 17 miles.

The lighthouse, 56 feet high, is situated near the summit of the island.

Position, lat.  $56^\circ 4' 20''$  N., long.  $2^\circ 46' 5''$  W.

By command of their Lordships,  
*W. J. L. Wharton*, Hydrographer.  
 Hydrographic Office, Admiralty, London,  
 26th March, 1885.

This Notice affects the following Admiralty