

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

The lighthouse, 215 feet high, constructed of iron and sixteen sided, is painted white.

Position approximate on Admiralty Chart, lat. $2^{\circ} 31' 45''$ S., long. $107^{\circ} 39' 00''$ E.

[The bearings are magnetic. Variation $2\frac{1}{4}^{\circ}$ Easterly in 1883.]

By command of their Lordships,
Fredk. J. Evans, Hydrographer,
Hydrographic Office, Admiralty, London,
13th April, 1883.

This Notice affects the following Admiralty Charts:—Indian Ocean, No. 748*b*; Eastern Archipelago, No. 941*a*; Gaspar and Banka Straits, No. 2149; Carimata Strait, No. 2160 (2); Gaspar Strait, No. 2137. Also, Admiralty List of Lights in South Africa, &c., 1883, page 20; and China Sea Directory, Vol. I, 1878, pages 252, 284.

NOTICE TO MARINERS.

(No. 94.)—BORNEO—NORTH-EAST COAST.

Shoal Northward of Lankayan Islet.

INFORMATION has been received from Lieutenant and Commander Hon. F. Sandilands, H.M.S. "Mosquito," of the existence of shoal ground lying about 9 miles northward of Lankayan, Islet:—

This shoal ground, over the southern part of which the "Mosquito" passed in a least depth of 6 fathoms (the bottom being plainly seen), lies with the following bearings:—

Lankayan Islet, S. 9° E.

Billean Rocks, S. 69° W.

These bearings place the shoal in approximately lat. $6^{\circ} 39\frac{1}{2}'$ N., long. $117^{\circ} 54'$ E.

NOTE.—As the water was apparently shoaler northward of this position—Mariners should navigate in the vicinity with caution.

[The bearings are magnetic. Variation 2° Easterly in 1883.]

By command of their Lordships,
Fredk. J. Evans, Hydrographer,
Hydrographic Office, Admiralty, London,
13th April, 1883.

This Notice affects the following Admiralty Charts:—China Sea, southern portion, No. 2660*b*; Sulu Archipelago, No. 2576; Palawan Island, No. 967; Gaya Bay to Sandakan Harbour, No. 287. Also, Hydrographic Notice, No. 9, of 1883, page 1.

NOTICE TO MARINERS.

(No. 95.)—MEDITERRANEAN.—SPAIN—SOUTH COAST.

(1.) *Port Malaga—Extension of Breakwater in Progress.*

WITH reference to Notice to Mariners, No. 273 (1), of 14th December, 1882, on the extension of the Breakwater or East Mole at Port Malaga:—

The Spanish Government has given further notice, that on 15th February, 1883, the submerged portion of the works of the breakwater had advanced in a S $17^{\circ} 45'$ E. (true) direction for a distance of 261 yards beyond the extremity of the original mole; and the upper portion extended at low water, a distance of 268 yards from that extremity.

NOTE.—This extension must be borne in mind when entering or leaving the harbour.

GULF OF ATHENS.—ÆGINA.

(2.) *Alteration in Cape Plaka Light.*

The Greek Government has given notice, that on 27th February, 1883, the following alteration

would be made in the light exhibited at Cape Plaka (Plakakia), north-west extreme of the Island of Ægina:—

The red light is replaced by a white light, visible in clear weather from a distance of eight miles.

By command of their Lordships,
Fredk. J. Evans, Hydrographer,
Hydrographic Office, Admiralty, London,
16th April, 1883.

This Notice affects the following Admiralty Charts:—

(1.) Gibraltar to Alicante, No. 2717; Port Malaga, No. 1848. Also, Mediterranean Pilot, Part I, 1873, pages 68, 69.

(2.) Grecian Archipelago, No. 2386*a*; Ægina and Methana, No. 1514. Also, Admiralty List of Lights in the Mediterranean, 1883, No. 584; and Mediterranean Pilot, Vol IV, 1882, page 40.

NOTICE TO MARINERS.

(No. 96.)—UNITED STATES.—CHESAPEAKE BAY—KENT ISLAND.

(1.) *Fog Signal at Bloody Point Bar Lighthouse.*

THE United States Government has given Notice, dated 9th March, 1883, that a fog signal has been established on the west side of the lighthouse on Bloody Point Bar, northern side of entrance to Eastern Bay, St. Michael's River:—

The signal is a bell, struck by machinery, which, during thick and foggy weather, will give one blow at intervals of twelve seconds.

NORTH CAROLINA.—ALBEMARLE SOUND.

(2.) *Fog Signal at Wade's Point Lighthouse.*

Also, with reference to Notice to Mariners, No. 74 (1), of 19th March, 1883, on the establishment of a fog bell on the east side of the lighthouse at Wade's Point, west side of Pasquotank River Entrance, Albemarle Sound:—

Further notice has been given, dated 6th March, 1883, that during thick or foggy weather, the bell will give two blows in quick succession at intervals of twenty seconds.

By command of their Lordships,
Fredk. J. Evans, Hydrographer,
Hydrographic Office, Admiralty, London,
16th April, 1883.

This Notice affects the following Admiralty Charts:—Chesapeake Bay, Nos. 355*b*, 2843*e* (1); Albemarle Sound to Cape Fear, No. 267 (2). Also, Admiralty List of Lights in the United States, 1883, Nos. 225*b*, 260; and Sailing Directions for the Principal Ports of the United States, 1882, pages 170, 184.

NOTICE TO MARINERS.

(No. 97.)—NORWAY—WEST COAST—FRØ HAVET.

(1.) *Sunken Rock Westward of Flisa Islet.*

THE Norwegian Government has given notice, dated 28th February, 1883, of the existence of a sunken rock, with about one fathom water on it, lying between Brei Flue Rock and Flisa Islet, Fjeldværø (Fjeldværøen) Island.

Position on Admiralty Chart, lat. $63^{\circ} 38' 20''$ N., long. $9^{\circ} 18' 00''$ E.

NOTE.—Vessels navigating in this vicinity should pass eastward of Flisa Islet (Blomsterholm).

(2.) *Böröholm Light—Intended Alteration in Arc of Visibility.*

Also, that on 1st August, 1883, the arc of visibility of the light exhibited on Böröholm will be altered so that its western limit will lead one