

north shore of the Hook of Holland Canal, near the new harbour of refuge.

The lights are *fixed* white lights. The northern light is exhibited from a lamp post, the southern light from a watch house.

NOTE.—These lights kept in line lead through the upper entrance of the navigable channel, between the projecting point of the south shore near the red light, and black buoy No. 6.

EAST SCHELDE—WALCHEREN ISLAND.

(2.) *Re-Establishment of Oosterhoofd Light.*

Also, with reference to Notice to Mariners, No. 108, of August 23rd, 1876, on the discontinuance of Oosterhoofd Light; further notice has been given, that a light is now exhibited from a structure on the sand hill at Oosterhoofd, north side of Walcheren Island.

The light is a *fixed red* light, elevated 33 feet above the level of high water, and should be visible from seaward and over the Roompot in clear weather through an arc of 180°, between the bearings of E.N.E. and W.S.W., from a distance of 4 miles.

The illuminating apparatus is catoptric or by reflectors.

Position, lat. 51° 35' 30" N., long. 3° 33' 40" E. [The bearings are magnetic. Variation 17½° Westerly in 1877.]

By command of their Lordships,
Fredk. J. Evans, Hydrographer.
Hydrographic Office, Admiralty, London,
20th January, 1877.

This Notice affects the following Admiralty Charts:—

(1.) North Sea, Nos. 2339 and 2182 *a*; Dover and Calais to Orfordness, No. 1406; and Mouths of Maas River, No. 122: Also, Admiralty List of Lights in the North Sea, 1877, page 12; and North Sea Pilot, Part IV, 1871, page 138.

(2.) North Sea, Nos. 2339 and 2182 *a*; Dover and Calais to Orfordness, No. 1406; Dunkerque to the Schelde, No. 1872; and Schelde River from Sea to Antwerp, No. 120: Also, Admiralty List of Lights in the North Sea, 1877, No. 31; and North Sea Pilot, Part IV, 1871, page 109.

NOTICE TO MARINERS.

(No. 12.)—EASTERN ARCHIPELAGO—JAVA—SUNDA STRAIT.

(1.) *Revolving Light on First Point, Princes Channel.*

THE Netherlands Government has given notice, that a light will probably be exhibited in January, 1877, on First Point, Princes Channel, Sunda Strait.

The light will be a *revolving* white light, showing two flashes every minute, elevated 315 feet above the level of the sea, and should be visible in clear weather from a distance of 25 miles.

The lighthouse built of stone is painted white. The illuminating apparatus will be catadioptric, or by reflectors and lenses of the first order.

Position, lat. 6° 44' S., long. 105° 11' 30" E.

MADURA STRAIT.

(2.) *Intended Light on Meinders Reef.*

Also, that it is intended to exhibit a light from a lighthouse now in course of construction on Meinders Reef, Madura Strait.

The light will be a *fixed* white light, elevated 56 feet above the level of the sea, and should be visible in clear weather from a distance of 12 miles.

The lighthouse, 46 feet high, is constructed of iron on a screw pile foundation, and is in the form of a flat-topped octagonal pyramid with three galleries.

The illuminating apparatus will be catadioptric, or by reflectors and lenses of the fourth order.

Position, lat. 7° 41' 30" S., long. 114° 22' 30" E.

Proposed Lights at Panarukan, Bezukie, and Probolingo.

(3.) Also, that it is proposed to establish a harbour light at Panarukan.

The light will be a *fixed red* light, shown from an iron post 39 feet high, visible from seaward through an arc of 270°.

(4.) Also, that it is proposed to establish a harbour light at Bezukie.

The light will be a *fixed* white light, shown from an iron post 39 feet high, visible from seaward through an arc of 270°.

(5.) Also, that it is proposed to establish a harbour light at Probolingo.

The light will be a *fixed red* light, shown from an iron post 39 feet high, visible from seaward through an arc of 270°.

The illuminating apparatus of these several lights will be dioptric, or by lenses of the sixth order.

By command of their Lordships,
Fredk. J. Evans, Hydrographer.
Hydrographic Office, Admiralty, London,
20th January, 1877.

This Notice affects the following Admiralty Charts:—

(1.) Indian Ocean, No. 748 *a*; Eastern Archipelago, No. 941 *a*; Tyingkokh Bay to Sunda Strait, No. 2671; and Sunda Strait, No. 2056. Also, Admiralty List of Lights in South Africa, &c., 1877, page 18; and Seaman's Guide round Java, 1852, page 4.

(2), (3), (4), and (5). Indian Ocean, No. 748 *a*; Eastern Archipelago, No. 941 *b*. Also, Admiralty List of Lights in South Africa, &c., 1877, page 18; and Seaman's Guide round Java, 1852, pages 99, 100, and 103.

NOTICE TO MARINERS.

(No. 13.)—NORTH SEA—ELBE RIVER.

Alteration in Position of Light-Vessel near Cuxhaven.

WITH reference to Notice to Mariners, No. 156, of 11th December, 1876, on the replacing Elbe light-vessel No. 4 ("Ernst"), in her former position near the Ball beacon, below Cuxhaven—

The German Government has given further notice, that in consequence of the wreck of the English steamer "Gnome," sunk near buoy L, December 15th, 1876; Elbe light-vessel, No. 4, has been moved about 4½ cables south-eastward, and is now moored northward of and near buoy L.

NOTE.—Vessels entering or leaving the Elbe must pass northward of this light-vessel. The removal of the above wreck will be undertaken as soon as the weather permits, and shifting the light-vessel to her former position or otherwise will then be determined on.

By command of their Lordships,
Fredk. J. Evans, Hydrographer.
Hydrographic Office, Admiralty, London,
20th January, 1877.

This Notice affects the following Admiralty Chart:—Elbe River, No. 1875: Also, Admiralty Lists of Lights in the North Sea, &c., 1877, No. 161 *a*; and North Sea Pilot, Part IV, 2nd Edition, page 180.