

Also, Admiralty List of Lights in the North Sea, 1881, page 22, No. 204; and North Sea Pilot, Part IV, 1878, pages 200, 210.

(3.) Baltic, No. 2842a; North Sea, No. 2182a; Eider River to Blaavand Point, No. 1887. Also, Admiralty List of Lights in the North Sea, 1881, No. 228; and North Sea Pilot, Part IV, 1878, page 227.

NOTICE TO MARINERS.

(No. 113.)—ENGLAND.—EAST COAST—HUMBER RIVER.

(1.) *Light-Vessel marking Wrecks in Grimsby Road Withdrawn.*

WITH reference to Notice to Mariners, No. 44, of 25th March, 1881, on placing a light-vessel to mark the wrecks of the steam vessel "Progress" and the fishing smack "Sirius," sunk in Grimsby Road:—

The Trinity House, Hull, has given further notice, that on 14th June, 1881, the light-vessel was withdrawn, both wrecks having been removed.

WEST COAST—DEE RIVER.

(2.) *Buoyage.*

The Trinity House, London, has given notice, dated 18th June, 1881, that the following alterations have been made in the buoyage of Dee River:—

Greenfield Gut Buoy has been moved half a cable north, and now lies in 5 feet, with—

Llanacamoer Chimney in line with south end of wood on back land, West, Sly.

The Northern Low Chimney at Greenfield in line with south end of a large block of buildings at Holywell, S.W. $\frac{1}{2}$ W.

Bug Buoy No. 2 has been moved one cable E.S.E., and now lies in 4 feet, with—

Llanacamoer Chimney in line with south end of a wood on high back land, W. $\frac{3}{4}$ N.

Bug Buoy No. 1, N.W., distant 7 cables.

Bug Buoy No. 3 has been moved 2 cables S.W. by S., and now lies in 4 feet, with—

Llanacamoer Chimney in line with north end of a wood on high back land, W. by N.

Bagilt Chimneys in line, S.S.W.

Elbow Buoy has been moved 5 cables south, and now lies in 3 feet, with—

Flint Castle in line with clump of trees on back land, South.

A white flagstaff right of Heswell Church seen midway between two conspicuous clumps of trees in the centre of a wood, E. by N.

NOTE.—All depths given are at low water spring tides.

[The bearings are magnetic. Variation $20\frac{1}{4}^{\circ}$ Westerly in 1881.]

By command of their Lordships,
Fredk. J. Evans, Hydrographer.

Hydrographic Office, Admiralty, London,
5th July, 1881.

This Notice affects the following Admiralty Charts:—

(1.) English Channel, No. 2182a; Trusthorpe to Flamborough Head, No. 1190; Thames River to St. Abbs Head with plan of Humber Entrance, No. 2902a; Humber River, No. 109. Also, Admiralty List of Lights in the British Islands, 1881, page 22; and North Sea Pilot, Part III, 1874, page 95.

(2.) Holyhead to Liverpool, No. 1170b. Also, Sailing Directions for the West Coast of England, 1876, pages 121-125.

NOTICE TO MARINERS.

(No. 114.)—EASTERN ARCHIPELAGO.—JAVA—NORTH COAST.—BATAVIA ROAD.

(1.) *Fixed Light on Edam Island, Discontinuance of Alkmaar Island Light.*

THE Netherlands Government has given notice, under date 21st March, 1881, Batavia, that a light is exhibited on Edam Island, Batavia Road:—

The light is a fixed white light of the second order, elevated 169 feet above high water, and should be visible in clear weather from a distance of 17 miles, except where obscured by islands in the bay.

Also, that on 28th March, 1881, the temporary light on Alkmaar Island, Batavia Road, would be discontinued.

CHINA SEA—GULF OF SIAM.

(2.) *Light-vessel at Menom Chau-Phya (or Bangkok River) Entrance.*

Information has been received, under date 26th February, 1881, Bangkok, that a light-vessel has been placed at Bangkok River Entrance, on the stones known as the Middle or Second Sunken Junk, situated abreast West Point, and formerly marked by a conical buoy:—

The light is a fixed red light.

The vessel with mast carrying a ball is painted red; she is moored head and stern, and may be passed on either side.

By command of their Lordships,

Fredk. J. Evans, Hydrographer.

Hydrographic Office, Admiralty, London,
5th July, 1881.

This Notice affects the following Admiralty Charts:—

(1.) Eastern Archipelago, No. 941a; Sunda Strait, No. 2056; Batavia Road, No. 933. Also, Admiralty List of Lights in South Africa, &c., 1881, Nos. 176, 177.

(2.) Gulf of Siam, No. 2414; Koh-ta-kut to Cape Liant, No. 2720; Menam River, No. 999. Also, Admiralty List of Lights in South Africa, &c., 1881, page 22; and China Sea Directory, Vol II, 1879, page 325.

NOTICE TO MARINERS.

(No. 115.)—BLACK SEA—ODESSA.

Extension of Breakwaters and Exhibition of Lights.

WITH reference to Notice to Mariners, No. 139 (3), of 7th August, 1880, and No. 181, of 25th September, 1880, on the intended extension of the breakwater in Odessa Bay:—

The following further information relative to the extension of breakwaters and exhibition of lights has been received from Lieutenant and Commander Honourable W. H. Joliffe, Her Majesty's Ship "Antelope":—

The seaward breakwater, projecting from Vorontzovski Mole, has been completed by its extension in a W.N.W. direction for a distance of about 350 yards. A new breakwater, the south-east end of which bears S.W. by S., distant about $1\frac{1}{2}$ cables from the extremity of the seaward breakwater, is in course of construction, and already extends in a north-westerly direction for about 3 cables, the south-eastern portion being completed.

At the entrance between the seaward and new breakwaters, the depths are from 6 to 8 fathoms. A buoy is moored near the south-east extremity of the new breakwater.

There are exhibited from the extremity of Vorontzovski Mole three red lights, placed