

This Notice affects the following Admiralty Charts:—Gulf of Bothnia, No. 2252; South Quarken to Hornsland, No. 2296 (1 only); Hornsland to Stiernö Point, No. 2299 (1 only); Torne Point to Tanvö Gulf, No. 2302 (2 only). Also, Admiralty List of Lights in the North Sea, &c., 1880, pages 54, 56; and Bothnia Pilot, 1855, pages 20-22, 52.

#### NOTICE TO MARINERS.

(No. 161.)—ENGLAND—EAST COAST—THAMES RIVER ENTRANCE—SEA REACH.

##### (1.) *Chapman Light—Intended Alteration in Character.*

THE Trinity House, London, has given notice, that in January, 1881, Chapman Light, North Bank of Sea Reach, Thames River, will be made occulting:—

The light will be under occultation twice in quick succession every half-minute:—That is to say, it will suddenly disappear for three seconds, and then, as suddenly, re-appear at full power for three seconds; again suddenly disappear for three seconds, and then re-appear at full power for the remainder of the half-minute.

##### (2.) *Mucking Light—Intended Alteration in Character.*

Also, that in January, 1881, Mucking Light, North Bank of Sea Reach, Thames River, will be made occulting:—

The light will be under occultation once in every half-minute:—That is to say, it will, once in every half-minute, suddenly disappear for three seconds, and then, as suddenly, re-appear at full power.

WEST COAST.—BRISTOL CHANNEL.

##### (3.) *Flatholm Light—Intended Alteration in Character.*

Also, that in January, 1881, the light exhibited on Flatholm, Bristol Channel, will be made occulting:—

The light will be under occultation twice in quick succession every half-minute:—That is to say, it will suddenly disappear for three seconds and then, as suddenly, re-appear at full power for three seconds; again suddenly disappear for three seconds, and re-appear at full power for the remainder of the half-minute.

##### (4.) *Avon Light—Intended Alteration in Character.*

Also, that in January, 1881, the light exhibited on the east side of Avon River Entrance, Bristol Channel, will be made occulting:—

The light will be under occultation once in every half-minute:—That is to say, it will, once in every half-minute, suddenly disappear for three seconds, and then, as suddenly, re-appear at full power.

Further notice will be given when these alterations have been effected.

By command of their Lordships,

*Fredk. J. Evans*, Hydrographer.

Hydrographic Office, Admiralty, London,

9th September, 1880.

This Notice affects the following Admiralty Charts:—

(1.) and (2.) North Sea, No. 2182a; English Channel, No. 2675a; Sea Reach, No. 1185; Gravesend Reach, No. 2151 (2 only). Also, Admiralty List of Lights in the British Islands, 1880, Nos. 118, 119; and North Sea Pilot, Part IV, 1878, pages 7, 8.

(3.) and (4.) Ireland, General, No. 1824a; English Channel, No. 2675b; Bristol Channel, No. 1179; Nash Point to New Passage, No. 2682; King Road, No. 1859 (4 only). Also, Admiralty

List of Lights in the British Islands, 1880, Nos. 483, 491; and Sailing Directions for the Bristol Channel, 1879, pages 116, 135.

#### NOTICE TO MARINERS.

(No. 130.)—ENGLAND—EAST COAST.

THAMES RIVER ENTRANCE.

##### *Swin Middle Light—Intended Alteration in Period of Revolution.*

THE Trinity House, London, has given notice, that in November 1880, the following alteration will be made in Swin Middle Light, Thames River Entrance:—

The period of revolution will be altered from a flash every minute to a flash every half-minute.

By command of their Lordships,

*Fredk. J. Evans*, Hydrographer.

Hydrographic Office, Admiralty, London,

9th September, 1880.

This Notice affects the following Admiralty Charts:—English Channel, Nos. 1598 and 2675a; British Islands to Mediterranean, No. 1; North Sea, No. 2182a; Thames River to St. Abbs Head, No. 2902a; North Foreland to Orfordness, No. 1610; Kentish Knock to West Swin, No. 1975. Also, Admiralty List of Lights in the British Islands, 1880, No. 123; and North Sea Pilot, Part III, 1874, page 216.

#### NOTICE TO MARINERS.

(No. 163.)—IRELAND—SOUTH-EAST COAST.

CARNSORE POINT.

##### *Light-Vessel off Barrels Rock.*

WITH reference to Notice to Mariners, No. 58, of 13th April, 1880, on the intended placing a light-vessel two miles south of Barrels Rock, situated to the south-west of Carnsore Point:—

The Commissioners of Irish Lights have given further notice, that the light-vessel has been placed in position, and that on 1st September, 1880, the light was exhibited:—

The light is a red light, showing two flashes in quick succession every thirty seconds; the flashes occupy about eight seconds, followed by about twenty-two seconds of darkness.

The light-vessel is painted black with narrow white streak, and the words Barrels Rock in large white letters on her sides—a black barrel (vertically placed) is carried at the main-mast head.

CAUTION.—Mariners are warned that passing inside this light-vessel will be attended with danger.

[The bearing is magnetic. Variation  $21\frac{1}{2}^{\circ}$  Westerly in 1880.]

By command of their Lordships,

*Fredk. J. Evans*, Hydrographer.

Hydrographic Office, Admiralty, London,

10th September, 1880.

This Notice affects the following Admiralty Charts:—North Atlantic, No. 2060a; British Islands to Mediterranean, No. 1; English Channel, No. 2675b; Ireland, General, No. 1824a; Irish Channel, No. 1825b; Brattin Head to Wexford, No. 2049. Also, Admiralty List of Lights in the British Islands, 1880, page 58; and Sailing Directions for the Coast of Ireland, Part I, 1877, page 68.

#### NOTICE TO MARINERS.

(No. 164.)—EASTERN ARCHIPELAGO.

SUNDA STRAIT—SUMATRA.

##### *Flashing Light on Flat Cape.*

WITH reference to Notice to Mariners, No. 153 (1), of 22nd November, 1877, on the intended establishment of a light on Flat Cape