

NOTICE TO MARINERS.

(No. 219 of the year 1887.)

SPAIN—WEST COAST.—AROSA BAY ENTRANCE.
Salvora Island Anchorage—Sunken Rock South-Eastward of Area De Bois Point.

INFORMATION has been received from the Spanish Government of the existence of a sunken rock lying near the anchorage-ground north-eastward of Salvora Island, Arosa Bay Entrance:—

This rock (Tangonas Rock), of small extent, with a depth of $2\frac{1}{2}$ fathoms, lies with the following bearings and distances:—

Nero Island Summit, N.E. $\frac{1}{2}$ E.

Area de Bois Point, N.W. by N., distant $1\frac{1}{2}$ cables.

[The bearings are magnetic. Variation $19\frac{3}{4}$ ° Westerly in 1887.]

By command of their Lordships,

W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London,
 27th August, 1887.

This Notice affects the following Admiralty Charts:—Cape Finisterre to Vigo Bay, No. 1756; Arosa and Pontevedra Bays, No. 1758. Also, Sailing Directions for the West Coasts of France, Spain, and Portugal, 1885, page 241.

NOTICE TO MARINERS.

(No. 220 of the year 1887.)

ENGLAND—WEST COAST.—BRISTOL CHANNEL.

(1.) *Swansea Harbour.—Alteration in Lights on Entrance Piers.*

THE Swansea Harbour Trustees have given notice, that on 1st September, 1887, the lights on the eastern and western entrance piers of Swansea Harbour, will be exhibited as follows:—

The distinguishing red light on the western pier head will be exhibited all night, without regard to times, or state of tide.

The distinguishing white electric light on the eastern pier head will be exhibited at night, when there is a depth of 16 feet water at the piers, from 1st December to 1st April; and during the other months, when there is a depth of 14 feet water at the piers.

The black ball will, as heretofore, be shown on the western pier head, when there is a depth of 16 feet water at the piers from 1st December to 1st April; and during the other months, when there is a depth of 14 feet at the piers.

(2.) *Nash Point High Lighthouse.—Alteration in Colour.*

The Trinity House, London, has given notice, dated 20th August, 1887, that with a view of rendering the high (eastern) lighthouse at Nash Point more distinctly visible during the day, the tower (white) is about to be painted with black horizontal bands.

By command of their Lordships,

W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London,
 27th August, 1887.

This Notice affects the following Admiralty Plan:—Swansea Bay, No. 1161 (1). Also, Admiralty List of Lights in the British Islands, 1887, Nos. 473, 474, 481; and Sailing Directions for the Bristol Channel, 1884, pages 106, 118.

NOTICE TO MARINERS.

(No. 221 of the year 1887.)

NORTH SEA.—GERMAN COAST.
 WESER RIVER ENTRANCE.

THE German Government has given notice, that on 15th August, 1887, the undermentioned

lights would be exhibited from lighthouses recently erected on Eversand and Meyers Ledge, also from a beacon at Salzhörn, northern shore, Weser River Entrance:—

(1.) *Fixed Light on Eversand.*

The high light on Eversand is a fixed white light, visible between the bearings N. $50\frac{1}{2}$ ° E., through north, and N. $26\frac{1}{2}$ ° W.; it is elevated 96 feet above high water, and should be seen in clear weather from a distance of 10 to 12 miles.

The low light on Eversand is a fixed white light, visible from N. $1\frac{1}{2}$ ° E., through north, to N. $29\frac{1}{2}$ ° W.; it is elevated 51 feet above high water, and should be seen in clear weather from a distance of 10 to 12 miles.

These lights, 1,312 yards apart, kept in line bearing S. $19\frac{1}{2}$ ° E., indicate the course through Wester fairway.

The illuminating apparatus of each of these lights is dioptric, or by lenses, of the third order.

The lighthouses, constructed of iron and painted black, consist of four main pillars, with square shaped tower above, which decreases in size towards the top. The high lighthouse, 113 feet high, has a black lantern; the low lighthouse, 69 feet high, has a white lantern.

Position of high lighthouse, lat. $53^{\circ} 45' 00''$ N., long. $8^{\circ} 20' 50''$ E.

Position of low lighthouse, lat. $53^{\circ} 44' 30''$ N., long. $8^{\circ} 21' 25''$ E.

(2.) *Fixed and Flashing Light on Meyers Legde.*

The light on Meyers Legde, serving for the navigation of Dwars Gat, is visible from N. $82\frac{1}{2}$ ° E., through east, to S. $64\frac{1}{2}$ ° E., and shows fixed white in the fairway of the gat from S. $70\frac{1}{2}$ ° E. to S. $76\frac{1}{2}$ ° E.; flashing white with two flashes in succession followed by an eclipse of about four seconds' duration from S. $70\frac{1}{2}$ ° E. to S. $64\frac{1}{2}$ ° E.; flashing white with two flashes in succession followed by an eclipse of about four seconds' duration from S. $76\frac{1}{2}$ ° E. to S. $87\frac{1}{2}$ ° E.; and again fixed white from S. $87\frac{1}{2}$ ° E. to N. $82\frac{1}{2}$ ° E.

The light is elevated 61 feet above high water, and should be seen in clear weather from a distance of 8 to 10 miles.

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

The lighthouse, 79 feet high, constructed of iron and painted black (lantern red), consists of four main pillars, with square shaped tower above, which decreases in size towards the top.

Position, lat. $53^{\circ} 43' 30''$ N., long. $8^{\circ} 24' 30''$ E.

(3.) *Fixed Light at Salzhörn.*

The light at Salzhörn is a fixed light, visible from S. $77\frac{1}{2}$ ° E., through east, to N. $57\frac{1}{2}$ ° E., and shows white from S. $89\frac{1}{2}$ ° E. to N. $70\frac{1}{2}$ ° E.; red from S. $77\frac{1}{2}$ ° E. to S. $89\frac{1}{2}$ ° E.; and again red from N. $70\frac{1}{2}$ ° E. to N. $57\frac{1}{2}$ ° E. It is elevated 48 feet above high water, and should be visible in clear weather from a distance of 6 to 8 miles.

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

The lighthouse, 59 feet high, consists of a wooden beacon, painted red.

Position, lat. $53^{\circ} 41' 5''$ N., long. $8^{\circ} 29' 5''$ E.

NOTE.—Salzhörn Light serves for the channel from the course indicated by Eversand leading lights into that indicated by Bremerhaven leading lights.

Fog Signals.

Also, that the following fog signals would be established at Eversand High and Low; and Meyers Legde Lighthouses:—

At Eversand High Lighthouse, during thick or foggy weather, a bell will be sounded twice