

It will be elevated 144 feet above high water.

The above leading lights in line, bearing W.  $\frac{1}{2}$  N. (N.  $85^{\circ}$  W.), will lead in midway between the pier heads.

[Variation  $18^{\circ}$  Westerly in 1895.]

This Notice affects the following Admiralty Chart:—River Tyne Entrance, No. 1934. Also, List of Lights, Part I, 1895, Nos. 237, 238, 238a, 240; and North Sea Pilot, Part III, 1889, pages 71–73.

#### No. 630.—FRANCE—WEST COAST.

##### *Gironde River Entrance—Intended Alterations in Lights.*

WITH reference to Notice to Mariners, No. 299 of 1895:—

The French Government has given further notice, that on 16th November, 1895, the under-mentioned alterations will be made in lights at the entrance of Gironde River:

1. (a.) Pte. de la Coubre Light will be altered from a fixed white light to a group flashing electric white light with a period of system of ten seconds, thus:—flash, a quarter of a second; eclipse, two and a half seconds; flash, a quarter of a second; eclipse, seven seconds. It will be elevated 197 feet above high water, 174 feet from the ground; illuminating power 1,000,000 to 2,000,000 becs Carcel (10,000,000 to 20,000,000 candles), and visible in clear weather from a distance of 21 miles.

The lighthouse is a cylindrical tower of masonry.

Approximate position, lat.  $45^{\circ} 41' 40''$  N, long.  $1^{\circ} 15' 15''$  W.

(b.) From the same lighthouse an auxiliary light will be shown, which will be a fixed light with the following sectors:—white from S.  $59^{\circ}$  E. to S.  $66^{\circ}$  E. (over the Passe du Nord); red from S.  $66^{\circ}$  E., through east, to N.  $62^{\circ}$  E. (over the Mattes du Grand Banc); and white from N.  $62^{\circ}$  E. to N.  $47^{\circ}$  E. (over the Passe du Matelier). It will be elevated 130 feet above high water, 108 feet above the ground; illuminating power of white light 81 becs Carcel (810 candles), red light 16 becs Carcel (160 candles), and in clear weather the white light will be visible 14 miles, and the red light 9 miles.

(c.) Also a fog signal will be established in a metal shed in the upper gallery of the above lighthouse:—

Pte. de la Coubre fog signal will consist of a siren, worked by compressed air, which during thick or foggy weather will give every two minutes, two blasts of equal strength, each of three seconds duration, and separated by a silent interval of three seconds, thus:—blast of three seconds duration; silence, three seconds; blast of three seconds duration; silent interval of one hundred and eleven seconds.

2. On the same date the light (fixed white) now shown from a wooden framework on Pte. de la Coubre; and the light (electric, red and green alternately) now shown from Palmyre Point, in approximately lat.  $45^{\circ} 4' 50''$  N., long.  $1^{\circ} 8' 30''$  W., will be discontinued.

[Variation  $16^{\circ}$  Westerly in 1895.]

This Notice affects the following Admiralty Charts:—North Atlantic Ocean, No. 2060a; British Islands to Mediterranean Sea, No. 1; Bay of Biscay, No. 1104; Pte. d'Arcachon to Pte. de la Coubre, No. 2634; De la Coubre Point to Les Sables d'Olonne, No. 2648. Also, List of Lights, Part IV, 1895, Nos. 311, 313; and Sailing Directions for the West Coasts of France, Spain, and Portugal, 1891, pages 121, 127.

#### No. 631.—SPAIN—NORTH-WEST COAST.

##### *Cape Villano—Intended Alteration in Light.*

THE Spanish Government has given notice, that about the middle of January, 1896, the undermentioned alteration will be made in the light shown from Cape Villano:—

Cape Villano Light will be altered from a fixed white to an electric, group-flashing white light, with a period of about twenty seconds, thus:—flash; eclipse of four seconds; flash; eclipse of fifteen seconds; elevated 330 feet above the sea, 84 feet above the ground, and visible between the bearings of N.  $52^{\circ}$  E., through east and south, and S.  $69^{\circ}$  W., from a distance of 25 miles in clear weather.

The lighthouse is an octagonal tower, painted yellow-gray, lantern white, with the keeper's dwellings, painted white, standing near, situated N.  $6^{\circ}$  E., distant 175 yards, from the old lighthouse.

Approximate position, lat.  $43^{\circ} 9\frac{1}{4}'$  N., long.  $9^{\circ} 13\frac{1}{4}'$  W.

[Variation  $19^{\circ}$  Westerly in 1895.]

This Notice affects the following Admiralty Charts:—North Atlantic Route Chart, No. 2058; North Atlantic Ocean, No. 2060a; British Islands to Mediterranean Sea, No. 1; Bay of Biscay, No. 1104; Cape Peñas to Pontevedra Bay, with Plan of Camariña Bay, No. 1053; San Cyprian Bay to Cape Finisterre, No. 1755. Also, List of Lights, Part IV, 1895, No. 418; and Sailing Directions for the West Coasts of France, Spain, and Portugal, 1891, page 298; and Hydrographic Notice, No. 2 of 1894, relating to that work, page 17.

#### No. 632.—SHETLAND ISLES.

##### *Intended Lights on Balta Island and Hillswick Ness.*

THE Commissioners of Northern Lighthouses have given notice that, on 11th November, 1895, the undermentioned new lights will be exhibited in the Shetland Isles:—

1. Ura Firth Light, on the southern extremity of Hillswick Ness, will be a fixed light of small power, showing the following sectors—white from about S.  $57^{\circ}$  W., through west and north, to S.  $67^{\circ}$  E.; red from S.  $67^{\circ}$  E. to S.  $46^{\circ}$  E. (over Dore Holm and the southern extremity of the Drongs). It will be elevated 110 feet above high water, and shown from the top of a small storehouse, constructed of masonry.

Approximate position, lat.  $60^{\circ} 27' 20''$  N., long.  $1^{\circ} 29' 50''$  W.

2. Balta Sound Light, on the southern extremity of Balta Island, will be a fixed light of small power, showing the following sectors—white from about S.  $86^{\circ}$  W., through west and north, to N.  $27^{\circ}$  E., red from N.  $27^{\circ}$  E. to N.  $75^{\circ}$  E. (over Vere Reef), and white from N.  $75^{\circ}$  E., through east, to S.  $14^{\circ}$  E. (up Balta Sound). It will be elevated 70 feet above high water, and shown from the top of a small storehouse, constructed of masonry.

Approximate position, lat.  $60^{\circ} 44' 25''$  N., long.  $0^{\circ} 47' 30''$  W.

NOTE.—As the above lights will not be constantly watched, they cannot be implicitly relied on.

[Variation  $20^{\circ}$  Westerly in 1895.]

This Notice affects the following Admiralty Charts:—Scotland, No. 2397a; the Shetland Isles, No. 1118a; Plan of Ura Firth on Sheet No. 606 (1). Also, List of Lights, Part I, 1895, page 98; and North Sea Pilot, 1894, pages 80, 67.

By command of their Lordships,

W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London.

9th November, 1895.