

the exhibition of a light on a lighthouse erected on Mersey Bluff, westward of River Mersey Entrance:—

The Government of Tasmania has published the following amended particulars concerning the light, dated 7th September, 1889:—

The light shows a fixed white light seaward, through an arc of 105°, and a ray of red light, through an arc of 35°, on each side of the white arc. The northern limits of the red rays warn Mariners when they are within one mile of the outer extreme of Horse Shoe Reef to the eastward, and within five-eighths of a mile from the outer extreme of the rocks off Don Bluff to the westward.

The light is elevated 122 feet above the sea, and should be visible in clear weather from a distance of 16 miles.

Approximate position, lat. 41° 9½' S., long. 146° 23½' E.

AUSTRALIA—EAST COAST.—CLEVELAND BAY.

(2.) Ross Creek—Alterations in Eastern Breakwater Light.

The Government of Queensland has given notice, dated 25th August, 1889, that the temporary light at the head of the Eastern breakwater, Ross Creek, has been replaced by a permanent light.

The light is a fixed red light, visible from the bearing of E. ¼ S., through south, to W. ¼ N., and elevated 23 feet above high water.

The illuminating apparatus is catadioptric, or by reflectors and lenses, of the sixth order.

The lighthouse, 21 feet high, is circular in shape, and painted white.

Position, lat. 19° 15' S., long. 146° 50' E.

NOTE.—The outer end of the Eastern breakwater is now about 400 yards N.N.W. ¾ W. from the position heretofore shown on plan of Cleveland Bay, No. 1102. The Western breakwater has also been extended 300 yards.

[The bearings are magnetic, and are given from seaward. Variation 7° Easterly in 1889.]

By command of their Lordships,

W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London,
26th October, 1889.

This Notice affects the following Admiralty Charts:—Bass Strait, Sheet I, No. 1695a (1); Tasmania, No. 1079 (1); Cleveland Bay, No. 1102 (2). Also, Admiralty List of Lights in South Africa, &c., 1889, Nos. 802a, 775; Australia Directory, Vol. I, 1884, pages 454–456; Revised Supplement, 1889, relating to Australia Directory, Vol. I, No. 802a, page 110; Australia Directory, Vol. II, 1879, page 213; and Revised Supplement, 1887, relating to Australia Directory, Vol. II, page 63, No. 492, page 146.

NOTICE TO MARINERS.

(No. 378 of the year 1889.)

MEDITERRANEAN.

(1.) *Alboran Island Light—Irregular Exhibition.*
INFORMATION has been received from Lieutenant and Commander Chapman, Her Majesty's ship "Goshawk," that on 18th September, 1889, between the hours of eight and eleven P.M., when passing Alboran Island (the distance varying from twelve miles when first sighted, to four miles when abeam), the light, fixed white, was extinguished on four occasions for a period of fifteen to twenty minutes each time.

ADRIATIC.

GULF OF CATTARO—CATENE CHANNEL.

(2.) *St. Domenica Point Light—Proposed Alteration in Colour.*

With reference to Notice to Mariners, No.

327 (1), of 7th September, 1889, on alteration in the colour of the light exhibited on St. Domenica Point, western side of southern entrance to Catene Channel:—

The Austrian Government has given further notice, dated 8th October, 1889, that as the light, fixed white, is with difficulty distinguished from the lights of the adjacent houses, it is proposed shortly to replace it by a coloured light.

Position, lat. 42° 27½' N., long. 18° 41' E.

By command of their Lordships,

W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London,
26th October, 1889.

This Notice affects the following Admiralty Charts (1 temporarily):—Mediterranean Sea, Nos. 449, 2158a (1); British Islands to Mediterranean, No. 1 (1); Gibraltar to Alicante, with plan of Alboran Island, No. 2717 (1); Curzola to Cattaro, No. 2713 (2); Port Molonta to Malaluka Bay, No. 1463 (2). Also, Admiralty List of Lights in the Mediterranean, 1889, Nos. 25, 1160, 706; Mediterranean Pilot, Vol. I, 1885, page 78; and Mediterranean Pilot, Vol. III, 1880, page 237.

NOTICE TO MARINERS.

(No. 379 of the year 1889.)

NORTH SEA—GERMAN COAST.

JADE RIVER ENTRANCE.

(1.) *Minsener Sand Light—vessel Temporarily Replaced by a Reserve Light-vessel.*

THE German Government has given notice, that on 12th October, 1889, Minsener Sand Light-vessel was withdrawn from her station at Jade River Entrance for repairs, and has been replaced by a reserve light-vessel with one mast, and the name "Minsener Sand" in white letters on her sides.

The light, fog signal, and top mark of the reserve light-vessel are of the same character as those of the permanent light-vessel.

Further notice will be given in due course as to replacing the permanent light-vessel in position.

BALTIC—RUSSIAN COAST.

(2.) *Libau—Harbour Lights on Pier Heads.*

Information has been received that a harbour light is now exhibited from each of the pier heads at Libau:—

The lights are fixed white lights elevated about 20 feet above the sea.

Position, lat. 56° 31' N., long. 20° 59' E.

By command of their Lordships,

W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London,
28th October, 1889.

This Notice affects the following Admiralty Charts (1 temporarily):—Elbe, Weser, and Jade Rivers, No. 1875 (1); Baltic Sea, with plan of Libau, No. 2842b (2); Memel to Libau, No. 2371 (2). Also, Admiralty List of Lights on the Eastern Shores of the North Sea, &c., 1889, No. 209, page 148; North Sea Pilot, Part IV, 1887, page 213; and Baltic Pilot, 1888, page 188.

NOTICE TO MARINERS.

(No. 380 of the year 1889.)

MEDITERRANEAN.

ADRIATIC—WESTERN SHORE.

BRINDISI HARBOUR ENTRANCE.

Fort Mare—Red Light Discontinued.

THE Italian Government has given notice, that on 16th October, 1889, the fixed red light