

## NOTICE TO MARINERS.

(No. 108.)—AUSTRALIA—SOUTH COAST.  
SPENCER GULF.

(1.) *Middle Bank—Beacon, Reported Extension.*  
THE Government of South Australia has given notice, dated 9th April, 1885, that a pile beacon, painted red and black chequered, and surmounted by a large circular head, has been placed on Middle Bank, Spencer Gulf, in 18 feet at low water spring tides, with Barn Hill bearing E.  $\frac{1}{2}$  N.

Approximate position, lat. 33° 36' S., long. 137° 35 $\frac{1}{2}$ ' E.

Also, that the Master of the steam vessel "Governor Musgrave" has reported that Middle Bank extends nearly four miles farther northward than was previously shown on the Admiralty Charts.—Soundings of 3 to 4 fathoms having been obtained at that distance from the supposed northern edge of the bank.

(2.) *Shoal Reported North-East of Four-Fathoms Patch.*

Also, that the Master of the steam vessel "Governor Musgrave" has reported the existence of a shoal lying in the fairway of Spencer Gulf, westward of Jarrold Point, and about 3 miles E.N.E. of Four Fathoms Patch Buoy.

This shoal, with a depth of four fathoms at low water spring tides and seven to eight fathoms close around, extends about one mile in a north and south direction, with a breadth of about three quarters of a mile.

Position, lat. 33° 15' S., long. 137° 39' E.

(3.) *Beacon on Western Shoal.*

Also, that a pile beacon, painted black, and surmounted by a large square head, has been placed on an outlying patch of Western Shoal, Spencer Gulf, in 19 feet at low water spring tides, with the following bearings:—

Mount Young, W.N.W.

Mount Laura, N.N.W.  $\frac{1}{4}$  W.

Hummock Hill, N.  $\frac{1}{2}$  W.

Position, lat. 33° 9' S., long. 137° 36' E.

AUSTRALIA.—NORTH COAST.

CARPENTARIA GULF.

(4.) *Light-Vessel off Norman River Bar.*

The Government of Queensland has given notice, dated 25th March, 1885, that a light-vessel has been placed off Norman River Bar, south shore of Carpentaria Gulf:—

The light is a fixed white light, elevated 34 feet above the sea, and should be visible in clear weather from a distance of 11 miles.

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

The light-vessel, painted red, is moored in 12 $\frac{1}{2}$  feet at low water, one cable N.W. by N. from the position of the Fairway Buoy.

Approximate position, latitude 17° 22 $\frac{1}{2}$ ' S., longitude 140° 48' E.

NOTE.—When vessels require to cross the bar, the depth of water is shown by the following Code of Signals, made from the yard-arms of the light-vessel.

5 feet, flag a yard-arm, by day; white light, by night.

5 feet 6 inches, flag at yard-arm, dipped, by day; red light, by night.

6 feet, flag at each yard-arm, by day; green light, by night.

6 feet 6 inches, flag at each yard-arm, dipped, by day; white over red, by night.

7 feet, two flags at yard-arm, by day; red over white, by night.

7 feet 6 inches, two flags at yard-arm, dipped, by day; green over white, by night.

8 feet, ball at yard-arm, by day; white over green, by night.

8 feet 6 inches, ball at yard-arm, dipped, by day; red over green, by night.

9 feet, ball at each yard-arm, by day; green over red, by night.

9 feet 6 inches, ball at each yard-arm, dipped, by day; red at one yard-arm, white at the other, by night.

10 feet, two balls at yard-arm, by day; green at one yard-arm, white at the other, by night.

10 feet 6 inches, two balls at yard-arm, dipped, by day; green at one yard-arm, red at the other, by night.

11 feet, cone at yard-arm, by day; red at each yard-arm, by night.

11 feet 6 inches, cone at yard-arm, dipped, by day; green at yard-arm, by night.

12 feet, cone at each yard-arm, by day; white at each yard-arm, by night.

12 feet 6 inches, cone at each yard-arm, dipped, by day; two white vertical, by night.

13 feet, two cones at yard-arm, by day; two red vertical, by night.

13 feet 6 inches, two cones at yard-arm, dipped, by day; two green vertical, by night.

14 feet, cone at one yard-arm, ball at other, by day; two white vertical at one yard-arm, and one red at the other, by night.

14 feet 6 inches, cone at one yard-arm, ball at other, cone dipped, by day; two red vertical at one yard-arm and one white at the other, by night.

15 feet, cone at one yard-arm, ball at other, ball dipped, by day; two green vertical at one yard-arm and one white at the other, by night.

[The bearings are magnetic. Variation (1)—(3), 4 $\frac{1}{4}$ °; (4), 4 $\frac{1}{4}$ ° Easterly in 1885.]

By command of their Lordships,

W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London,

10th June, 1885.

This Notice affects the following Admiralty Charts:—

(1.)—(3.) Australia, southern portion, No. 2759b; St. Vincent and Spencer Gulfs, No. 2389b. Also, Australia Directory, Vol. I, 1884, pages 159, 160, 166.

(4.) Carpentaria Gulf, Nos. 1043, 1807. Also, Admiralty List of Lights in South Africa, &c., 1885, page 46; and Australia Directory, Vol. III, 1881, pages 47, 48.

## NOTICE TO MARINERS.

(No. 109.)—ENGLAND—WEST COAST.

BRISTOL CHANNEL.

*Shoal Eastward of Steepholm.*

INFORMATION has been received from Staff Commander Archdeacon, in charge of Admiralty Survey, of the existence of a small rocky shoal lying in the fairway of the navigable channel eastward of Steepholm, Bristol Channel:—

This shoal, with a depth of 3 fathoms at low water spring tides, and 6 fathoms around, lies with the following bearings:—

Bairnbach Islet, East.

North extreme of Steepholm, N. 75° W.

Flatholm Lighthouse, N. 28° W.

NOTE.—Wick St. Lawrence Church in line with north end of Bairnbach Islet, bearing E.  $\frac{1}{2}$  N., leads southward of the shoal.

[The bearings are magnetic. Variation 19 $\frac{1}{4}$ ° Westerly in 1885.]

By command of their Lordships,

W. J. L. Wharton, Hydrographer.

Hydrographic Office, Admiralty, London,

11th June, 1885.