

NOTICE TO MARINERS.

(No. 184.)—ENGLAND—WEST COAST.
MILFORD HAVEN.*Additional Temporary Light-Boat near Torpedo Ground in the Main Channel.*

WITH reference to Notice to Mariners, No. 173, dated 24th July, 1886, on the temporary exhibition of lights near the torpedo ground in the main channel at Milford Haven, further notice is given that an additional temporary light-boat is about to be placed 700 yards S.S.W. from the Stack Rock.

This light-boat will exhibit two red lights horizontal, visible about two miles, and, with the other temporary lights, marks the southern edge of the mine field and the northern limit of safe passage during the torpedo operations.

The light will be removed on the same date as those referred to in Notice to Mariners, No. 173, 1886.

[The bearing is magnetic. Variation $20\frac{3}{4}^{\circ}$ Westerly in 1886.]

By command of their Lordships,
W. J. L. Wharton, Hydrographer.
Hydrographic Office, Admiralty, London,
5th August, 1886.

This Notice affects the following Admiralty Charts (temporarily):—Bristol Channel, No. 1179; Bristol Channel to New Quay, No. 1410; Milford Haven, No. 2393; Irish Channel, No. 1825*b*. Also, Bristol Channel Pilot, 1884, page 59; Admiralty List of Lights in the British Islands, 1886, page 50.

NOTICE TO MARINERS.

(No. 185.)—SOUTH AMERICA—EAST COAST.

Rio de la Plata, Colonia; Shoal near San Gabriel Island.

INFORMATION has been received from Captain W. R. Kennedy H.M.S. "Ruby," of the existence of a rocky shoal lying near the fairway to Colonia Road:—

This shoal, Ruby Knoll, on which the "Ruby" grounded, is of small extent, has a depth of 11 feet (mean low river) with 17 feet close around, and lies with the following bearings and distance:—

Farallon Lighthouse, S. 67° W.

East point of San Gabriel Island, N. 20° W., distant $2\frac{1}{4}$ cables.

[The bearings are magnetic. Variation $8\frac{1}{2}^{\circ}$ Easterly in 1886.]

By command of their Lordships,
W. J. L. Wharton, Hydrographer.
Hydrographic Office, Admiralty, London,
4th August, 1886.

This Notice affects the following Admiralty Charts:—Sauce Point to Martin Garcia Island, No. 1751; Colonia Roads, No. 2004. Also, South America Pilot, Part I, 1885, page 195.

NOTICE TO MARINERS.

(No. 186.)—NORTH ATLANTIC OCEAN—BERMUDA ISLANDS.

Ireland Island—Time Signal.

NOTICE is hereby given, that according to the most recent determinations, the Greenwich mean time, corresponding with the drop of the time ball, at local mean noon, at H.M. Dockyard at Ireland Island, is 4h. 19m. 18.3s.

By command of their Lordships,
W. J. L. Wharton, Hydrographer.
Hydrographic Office, Admiralty, London,
4th August, 1886.

This Notice affects the following Admiralty Charts:—Bermuda Islands, No. 360; The Nar-

rows to Ireland Island, No. 867. Also, Admiralty List of Time Signals, 1880, pages 16, 17; and West India Pilot, Vol. II, 1876, pages 501, 534.

NOTICE TO MARINERS.

(No. 187.)—AFRICA—WEST COAST.

Cape Sierra Leone—Intended Alteration in Light.

INFORMATION has been received from the Colonial Government of Sierra Leone, that on about the 1st October, 1886, the following alterations will be made in the light exhibited from the lighthouse on Cape Sierra Leone:—

The existing fixed red light will be discontinued and will be replaced by two vertical lights.

The upper light will be a fixed white light, varied by a flash every thirty seconds, elevated 75 feet above the sea, and should be visible, in clear weather, from a distance of 14 miles.

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

The lower light will be a fixed red light, elevated 52 feet above the sea, and visible from seaward through an arc of $12\frac{1}{2}^{\circ}$ on either side of an imaginary line joining the Carpenter Rock and the light, or between the bearings of N. $84\frac{1}{2}^{\circ}$ E. and S. $70\frac{1}{2}^{\circ}$ E.

The illuminating apparatus of this light will be catoptric or by reflectors.

The lighthouse, 69 feet high, is white with red lantern.

[The bearings are magnetic, and are given from seaward. Variation 20° Westerly in 1886.]

By command of their Lordships,
W. J. L. Wharton, Hydrographer.
Hydrographic Office, Admiralty, London,
5th August, 1886.

This Notice affects the following Admiralty Charts:—North Atlantic Ocean, eastern part, No. 2060*a*; Gambia River to Cape Lopez, No. 594; Isles do Los to Sherbro Island, No. 601; Sierra Leone River, No. 616. Also, Admiralty List of Lights on the Western Shores of Europe and Africa, &c., 1888, No. 565; and African Pilot, Part I, 1885, page 198.

NOTICE TO MARINERS.

(No. 188.)—COCHIN CHINA.—PHAN-RANG BAY.

Rock Awash in Entrance to Na-van Bay.

THE French Government has given notice of the existence of a rock awash in the entrance to Na-van Bay, in the northern part of Phan-rang Bay:—

This rock lies near the five-fathoms line of soundings, with the following bearings and distance:—

Phan-rang Point, N. 59° E., distant $2\frac{3}{4}$ miles.

Cape Padaran, S. 18° W.

Position on Admiralty Chart, lat. $11^{\circ} 32' 30''$ N., long. $109^{\circ} 4' 50''$ E.

[The bearings are magnetic. Variation $2\frac{1}{2}^{\circ}$ Easterly in 1886.]

By command of their Lordships,
W. J. L. Wharton, Hydrographer.
Hydrographic Office, Admiralty, London,
5th August, 1886.

This Notice affects the following Admiralty Plan:—China Sea, southern portion, western sheet, No. 2660*a*; northern portion, western sheet, No. 2661*a*; Phan-rang Bay to Tong King Gulf, No. 1342; Saigon River to Phan-rang Bay, No. 1261. Also, China Sea Directory, Vol. II, 1879, page 351.