

## NOTICES TO MARINERS.

(Nos. 667 to 683 of the year 1909.)

[The Astronomical positions are only approximate unless seconds are given. The bearings are Magnetic, and those relating to lights are given from seaward. The visibility of lights is that in clear weather. Fog signals are sounded only during thick or foggy weather unless otherwise stated. The depths given are at low-water ordinary springs. The heights given are above high water.]

## No. 667.—SOUTH INDIAN OCEAN, COMORO ISLANDS—JOHANNA ISLAND.

*Pomoni Harbour—Information with regard to beacons, &c.*

Subject.—The undermentioned information has been received with regard to beacons and landmarks at Pomoni Harbour, Johanna Island.

Position.—Iron beacon, lat.  $12^{\circ} 15\frac{1}{2}'$  S., long.  $44^{\circ} 24\frac{1}{2}'$  E.

## 1. Beacons established :

Bearing and distance from Iron Beacon.	Description.
(a) N. $8^{\circ}$ E., 8 cables.	White iron cylinder.
(b) S. $68^{\circ}$ E., $7\frac{7}{10}$ cables.	White iron cylinder.

Remarks.—These beacons are elevated about 165 feet above the sea level and are very conspicuous.

## 2. Landmarks disappeared :

Bearing and distance from Iron Beacon.	Description.
(a) N. $86^{\circ}$ E., $7\frac{3}{10}$ cables.	Isolated cocconut tree.
(b) S. $48^{\circ}$ E., $8\frac{1}{2}$ cables.	Flag staff.

Remarks.—The leading marks for the harbour entrance, which are easy to distinguish, consist of two loop-holed walls situated nearly at the same level.

Variation.— $8^{\circ}$  W.

Charts affected.—No. 2066, Plan of Pomoni Harbour; No. 563, Johanna Island, &c.

Publication.—Africa Pilot, Part III, 1905, page 554.

Authority.—Paris Notice, No. 590 of 1909.

## No. 668.—UNITED STATES, ATLANTIC COAST—NEW YORK LOWER BAY.

*Coney Island Channel—Buoy Replaced by Light-buoy and Bell-buoy.*

Subject.—On or about the 1st May, 1909, the undermentioned alterations would be made in the buoyage of Coney Island Channel, New York Lower Bay.

Position.—Coney Island Lighthouse, latitude  $40^{\circ} 34\frac{1}{2}'$  N., long.  $74^{\circ} 0\frac{3}{4}'$  W.

## 1. Buoy withdrawn :

Name.—Coney Island Channel Buoy No. 4.

Position.—Coney Island Lighthouse, bearing N.  $10^{\circ}$  W., distant  $4\frac{1}{10}$  cables.

## 2. Buoys established :

(a.) Name.—Coney Island Point Gas-buoy, No. 4.

Position.—Coney Island Lighthouse bearing N.  $2^{\circ}$  W., distant  $3\frac{1}{2}$  cables, and Centennial Tower, S.  $88^{\circ}$  E.

Description.—Light-buoy, painted red, exhibiting an occulting white light every twenty

seconds, thus:—Light, 10 seconds; eclipse, 10 seconds.

(b.) Name.—Coney Island Point Bell-buoy, No. 4.

Position.—Alongside the above-mentioned light-buoy.

Description.—Painted red.

Remarks.—These buoys will be withdrawn during the winter months, and their position marked by a spar buoy of the same colour and number, kept in position all the year.

Variation.— $9^{\circ}$  W.

Charts affected.—No. 3204, New York Bay and Harbour; No. 2491, Approaches to New York.

Publication.—Sailing Directions for the East Coast of the United States, 1899, page 499; Revised Supplement, 1908.

Authority.—United States Commerce Notices, Nos. 796, 797 of 1909.

## No. 669.—BALTIC ENTRANCE—THE SOUND.

*Pinhattan Shoal—Intended Light-Buoy.*

Subject.—Towards the end of May, 1909, a buoy of the undermentioned description will be established to mark Pinhattan Shoal, The Sound.

Position.—On western side of shoal; lat.  $55^{\circ} 45' 25''$  N., long.  $12^{\circ} 51' 55''$  E., on Chart No. 790.

Description.—Light-buoy, painted red, exhibiting a flashing white light every three seconds.

Remarks.—It is not stated whether the red spar buoy, at present marking the western side of this shoal, will be retained in position. Further information will be published when received.

Charts affected.—No. 790, Approaches to Copenhagen; No. 2115, The Sound; No. 2360, Falsterbo Point to Kalmar Sound; No. 2114, The Kattegat; No. 2842a Baltic Sea.

Publication.—Baltic Pilot, Part I, 1904, page 259.

Authority.—Stockholm Notice, No. 694 of 1909.

## No. 670.—ENGLAND, EAST COAST—RIVER THAMES ENTRANCE.

*Kentish Knock—Shoal Southward of.*

Subject.—A recent survey shows the Kentish Knock to have extended to the south-south-westward, and that a dangerous shoal has formed on this extension, in the undermentioned position.

Position.—About  $1\frac{3}{4}$  miles south-westward, from Middle Knock Buoy; lat.  $51^{\circ} 35' 55''$  N., long.  $1^{\circ} 36' 0''$  E., on Chart No. 1975.

Depth.—11 feet.

Description.—The shoal, within the 3-fathom line, is about three-quarters of a mile long in a north-east and south-west direction, and a quarter of a mile wide, the least water being near the centre. Between the shoal and the south-eastern extreme of the Kentish Knock there are depths of from 19 to 22 feet; south-westward from the position given above, depths of less than 5 fathoms extend to a distance of half a mile.

Remarks.—Further details showing the results of the survey will shortly be published.

Charts affected.—No. 1975, Kentish Knock to the Naze; No. 1607, North Foreland to the