

flash, 2 seconds; eclipse, 3 seconds; flash, 2 seconds; eclipse, 13 seconds.

Visibility.—10 miles.

Charts affected.—No. 2150, Giedser Odde to Bornholm; No. 2842a, Baltic Sea.

Publications.—List of Lights, Part III, 1910, No. 428; Baltic Pilot, Part I, 1904, page 288; Revised Supplement, 1910.

Authority.—Copenhagen Notice, No. 914 of 1910.

#### No. 710.—ENGLAND, SOUTH COAST— ISLE OF WIGHT.

##### *Sandown Bay—Existence of Shoal.*

Position.—Sandown Church, bearing N. 21° W., distant 11 cables, and Culver Cliff, N. 63° E.; lat. 50° 38½' N., long. 1° 8½' W.

Depth.—4½ fathoms.

Remarks.—A survey of the locality is in progress.

Variation.—16° W.

Charts affected.—No. 2045, Owers to Christchurch; No. 2450, Portland to Owers; No. 2675b, English Channel, middle sheet; No. 2675c, English Channel, eastern sheet.

Publication.—Channel Pilot, Part I, 1908, page 207.

Authority.—Portsmouth and Plymouth Survey, 4th May, 1910.

#### No. 711.—ENGLAND, SOUTH COAST.

##### *Spithead Eastern Approach—Alteration in Position of Target Buoys; Temporary Buoy Established.*

Position.—Nab Light-vessel, lat. 50° 42½' N., long. 0° 59½' W.

1. Target buoys:

Alteration.—The pair of target buoys formerly situated 16 cables, N. 15° E., from Nab light-vessel, have been moved to the southward, and are now situated in a position from which Dean Tail Buoy bears S. 70° E., distant 4½ cables, and Nab Light-vessel, S. 11° W.

2. Temporary buoy:

Position.—On the 2½-fathom patch situated westward of the Hounds Rocks, at a distance of 5¼ miles, N. 86° E., from Nab Light-vessel.

Description.—A black conical buoy with staff and cage.

Variation.—16° W.

Chart affected.—No. 2045, Owers to Christchurch.

Publication.—Channel Pilot, Part I, 1908, pages 215, 235.

Authority.—Admiral Superintendent, Portsmouth, 2nd May, 1910.

#### No. 712.—BAY OF BENGAL—INDIA.

##### *Madras Harbour—New Entrance; Alterations in Lighting.*

Position.—Cornwallis Monument, latitude 13° 5½' N., long. 80° 17½' E.

1. New entrance:

Details.—The old entrance to the harbour has been closed, and a new entrance, about 400 feet wide, has been opened through the northern

breakwater. A spur breakwater, now known as North Arm, has been constructed, and extends from the north-eastern corner of the northern breakwater in a N. 21° E. direction for a distance of about 1,350 feet.

2. Alterations in lighting:

Details.—The fixed red lights marking the old entrance have been discontinued, and the breakwaters are now marked by the undermentioned lights.

(a) Position.—On western side of new entrance, at a distance of 5½ cables, N. 72° E., from Cornwallis Monument.

Character.—A fixed red light.

Elevation.—35 feet.

Visibility.—6 miles.

Order.—6th. Dioptric.

Structure.—Cylindrical cement column, 25 feet in height.

(b) Position.—On eastern side of new entrance.

Character.—A fixed red light, similar in all respects to that described in paragraph (a).

(c) Position.—On outer end of new North Arm, at a distance of 7½ cables, N. 66° E., from Cornwallis Monument.

Character.—A fixed green light.

Elevation.—33 feet.

Visibility.—4 miles.

Order.—6th. Dioptric.

Structure.—Conical cement column, 23 feet in height.

Caution.—Considerable shoaling has taken place southward of the harbour since the date of the last survey, and the depths shown on the plan cannot therefore be relied on.

Note.—A new edition of Chart No. 575, showing the new entrance and the alterations in lighting, will very shortly be published.

Variation.—Nil.

Charts affected.—No. 575, Madras to Ramapatam, with Plan; No. 71, Madras to Calimere Point; No. 828, Cape Comorin to Cocanada.

Publications.—List of Lights, Part VI, 1910, Nos. 324, 325, and page 57; Bay of Bengal Pilot, 1901, pages 152, 151; Supplement, 1908.

Authority.—India Office, 23rd March, 1910.

#### No. 713.—SCOTLAND, ORKNEY ISLANDS— MAINLAND.

##### *Kirkwall Bay—Wreck.*

Position.—Near eastern shore of bay, at a distance of 2⅞ cables, S. 29° W., from the southern extreme of Thieves Holm; Thieves Holm, lat. 59° 1' N., long. 2° 56½' W.

Description.—Wreck of a small sailing vessel, with one mast showing above water.

Variation.—19° W.

Charts affected.—No. 1553, Kirkwall Bay; No. 2584, Approaches to Kirkwall; No. 2397b, Scotland, north and east coasts, plan on.

Publication.—North Sea Pilot, Part I, 1903, page 175.

Authority.—His Majesty's ship Blenheim, Hyd. Note, No. 1 of 1910.

#### No. 714.—BALTIC ENTRANCE, DENMARK— LIM FIORD ENTRANCE.

##### *Hals Bar—Lighthouse to be Constructed.*

Position.—At a distance of about 6 cables, N. 37° W., from Hals Light-vessel. Hals Light-vessel, lat. 56° 56½' N., long. 10° 26½' E.