

moored in 12 feet water,  $3\frac{1}{2}$  cables N.E. by E. from Garvel House, Greenock.

From the light-vessel is exhibited an occulting white light, in periods of eight seconds:—showing a light of four seconds' duration, followed by two short eclipses in the next four seconds.

NOTE.—The temporary red light, formerly shown from a barge moored off Garvel Point, is discontinued.

By command of their Lordships,

*Fredk. J. Evans*, Hydrographer.

Hydrographic Office, Admiralty, London,

20th August, 1879.

This Notice affects the following Admiralty Charts:—

(1.) Firth of Clyde and Loch Fyne, No. 2159, and Toward Point to Whitefarland Point, No. 2132, scale  $m = 2.5$  inches: Also, Admiralty List of Lights in British Islands, 1879, page 38, and Sailing Directions for West Coast of Scotland, 1877, page 290.

(2.) Ireland, East Coast, No. 1824a; Firth of Clyde and Loch Fyne, No. 2159, and Greenock to Dumbarton, No. 2006, scale  $m = 4.6$  inches: Also, Admiralty List of Lights in British Islands, 1879, No. 347, and Sailing Directions for West Coast of Scotland, 1877, page 292.

#### NOTICE TO MARINERS.

(No. 119.)—SOUTH AMERICA—BRITISH GUIANA.

*Alteration in Position of Demerara Light-vessel.*

THE Government of British Guiana has given notice, that from the present position of the light-vessel, stationed off the entrance to Demerara River, the lighthouse at George Town bears S.  $28\frac{1}{2}^{\circ}$  W. distant 12 miles. When the light-vessel is taken into harbour for repairs, a schooner is put in her place.

Position as given, lat.  $6^{\circ} 59' 30''$  N., long.  $58^{\circ} 5' 30''$  W.

*Red Light at George Town Lighthouse.*

Also, that a red light is shown from the lighthouse in the fort at George Town, east side of entrance to Demerara River.

This light (shown in the direction of the breakwater at the north-west angle of the fort) is visible between the bearings of S. by E. and S.E., it should be seen in clear weather from a distance of 3 or 4 miles.

NOTE.—When this red light is in sight, a vessel will be to the westward and clear of the end of the breakwater.

[The bearings are magnetic. Variation  $1\frac{1}{4}^{\circ}$  Easterly in 1879.]

By command of their Lordships,

*Fredk. J. Evans*, Hydrographer.

Hydrographic Office, Admiralty, London,

28th August, 1879.

This Notice affects the following Admiralty Charts:—South America, East Coast, sheet 1, Trinidad to Surinam, No. 1801; approaches to Demerara and Essequibo Rivers, No. 527; and George Town and mouths of Demerara and Essequibo Rivers, No. 533: Also, Admiralty List of Lights in the West India Islands and adjacent Coasts, 1879, Nos. 90, 91; Admiralty List of Lights in South America, &c., 1879, Nos. 3, 4; and West India Pilot, Vol. I., 1872, page 50.

#### NOTICE TO MARINERS.

(No. 120.)—WEST INDIES—BRITISH HONDURAS.

BELIZE HARBOUR.

THE Government of British Honduras has given notice of the following alterations in the

lights exhibited in the approaches to Belize Harbour:—

1. *Range of Visibility of Half-moon Cay Light.*—The fixed white light, shown from the lighthouse on Half-moon Cay, is exhibited from an elevation of 70 feet above high water, and should be visible in clear weather from a distance of 12 miles. The skeleton iron light tower, from which the light is exhibited, is 80 feet high.

2. *Range of Visibility of Cay Bokel Light.*—The two fixed lights (white and red) shown from a mast on Cay Bokel, south extreme of Turneffe Islands, are exhibited from an elevation of 60 feet above high water, and should be visible in clear weather from distances of 8 and 5 miles respectively.

3. *Alteration in English Cay Light.*—From a mast, painted white, erected on English Cay, a fixed white light is exhibited from an elevation of 45 feet above high water, visible in clear weather from a distance of 7 miles. The two lights previously shown have been discontinued.

By command of their Lordships,

*Fredk. J. Evans*, Hydrographer.

Hydrographic Office, Admiralty, London,

29th August, 1879.

This Notice affects the following Admiralty Charts:—

West India Islands and Caribbean Sea, sheet 3, No. 763; West Indies, sheet 14, Belize to Cape Catoche, No. 1204; West Indies, sheet 13, Cape Gracias to Belize, No. 1219; Negro Head to Turneffe Cays, No. 1797; Central America, west coast, Coiba Island to Mangrove Bluff, No. 587; and Belize Harbour, No. 522; Also, Admiralty List of Lights in the West India Islands and adjacent coasts, 1879, Nos. 106, 107, and 108, and West India Pilot, Vol. I., 1872, pages 324, 326.

#### NOTICE TO MARINERS.

(No. 121.)—BAL TIC ENTRANCE.—KATTEGAT.

(1.) *Alteration in Colour of Warberg Lighthouse.*

THE Swedish Government has given notice, that Warberg Lighthouse, Kattegat, hitherto painted red and white chequered, would be painted red with two white bands.

SOUND.—EL SINORE.

(2.) *Alteration in Fog Signal at Kronborg Castle.*

The Danish Government has given notice, that the existing fog signal (gong) at Kronborg Castle would be discontinued on 1st September, 1879, and from that date, during thick and foggy weather, a fog-horn will be sounded, giving one blast of nearly eight seconds' duration every minute.

COPENHAGEN.

(3.) *Fog Signal at Tre Kroner Battery.*

Also, that a fog-horn has been established on the north-east corner of Tre Kroner Battery, instead of the gong heretofore in use.

The horn will be sounded during thick and foggy weather, giving one blast of nearly eight seconds' duration every thirty-five seconds.

KIEL BAY.

(4.) *Fog Signal near Marien Lighthouse.*

The German Government has given notice, that on 15th August, 1879, a fog signal would be established near Marien Lighthouse, north-east extreme of Femern Island, Kiel Bay.

The signal is a siren, which, during thick and foggy weather, will give two blasts of three seconds' duration each, separated by an interval of six seconds, and followed by an interval of from sixty to seventy seconds.

By command of their Lordships,

*Fredk. J. Evans*, Hydrographer.

Hydrographic Office, Admiralty, London,

29th August, 1879.