

placed in an engine house attached to the light-house ; it will be sounded in thick weather, fogs, and snow storms.

Position as given, lat. $47^{\circ} 48' 30''$ N., long. $52^{\circ} 46' 50''$ W.

Also, that further particulars of the periods of sound and silence will be given.

By command of their Lordships,
Fredk. J. Evans, Hydrographer.
Hydrographic Office, Admiralty, London,
22nd October, 1877.

This Notice affects the following Admiralty Charts :—St. John to Halifax, No. 2666 ; Newfoundland Island, No. 232 *a* ; and Cape Bonavista to Bull's Bay, No. 296 ; also, Admiralty List of Lights on the Coasts and Lakes of British North America, 1877, page 4.

NOTICE TO MARINERS.

(No. 144.)—CANADA—PRINCE EDWARD ISLAND.
SOUTH COAST.

(1.) *Fixed Red Light at Little Sands.*

THE Government of the Dominion of Canada has given notice, that a light is now exhibited from the gable window of a house, 20 feet high, at Little Sands :—

The light is a fixed red light, elevated 50 feet above high water, and should be visible in clear weather from a distance of about five miles. Position lat. $45^{\circ} 57' 50''$ N., long. $62^{\circ} 39' 00''$ W.

The illuminating apparatus is catoptric, or by reflectors.

NORTH-EAST COAST.

(2.) *Leading Lights at Tignish River Entrance.*

Also, of the establishment of two leading lights at the Big Tignish River entrance :—

The lights are fixed white lights which when in line indicate the channel to the harbour ; they are shown from lanterns on masts, and in clear weather should be visible from a distance of about six miles.

The high light, elevated 26 feet above high water is situate on the shore at the south side of the harbour entrance. Position, lat. $46^{\circ} 57' 30''$ N., long. $63^{\circ} 59' 20''$ W.

The low light, 17 feet above high water, is shown from the extremity of the breakwater on the north side of the entrance, 1,035 feet eastward of the high light.

The illuminating apparatus of these lights is catoptric, or by reflectors.

By command of their Lordships,
Fredk. J. Evans, Hydrographer.
Hydrographic Office, Admiralty, London,
22nd October, 1877.

This Notice affects the following Admiralty Charts :—

(1.) St. John to Halifax, No. 2666 ; St. Lawrence Gulf, No. 2516 ; and Northumberland Strait, eastern part, No. 2034 ; also, Admiralty List of Lights on the Coasts and Lakes of British North America, 1877, page 30 ; and St. Lawrence Pilot, Vol. II, 1860, page 102.

(2.) St. Lawrence Gulf, No. 2516 ; and Northumberland Strait, western part, No. 1747 ; also, Admiralty List of Lights on the Coasts and Lakes of British North America, 1877, page 28 ; and St. Lawrence Pilot, Vol. II, 1860, page 114.

NOTICE TO MARINERS.

(No. 145.)—AFRICA—EAST COAST—DELAGOA BAY.

Fixed Light on Reuben Point.

THE Portuguese Government has given notice, that a light is now exhibited from a lighthouse recently erected on Reuben Point (Ponta Vermelha), north side of entrance to English River, Delagoa Bay :—

The light is a fixed white light, elevated 134 feet above high water, and should be visible in clear weather, through an arc of 215° , or between the bearings of S. 61° W. (through North) and S. 84° E., from a distance of 14 miles.

Position, lat. $25^{\circ} 58' 45''$ S., long. $32^{\circ} 38' 25''$ E. The illuminating apparatus is dioptric, or by lenses.

[The bearings are magnetic. Variation, $23\frac{1}{4}^{\circ}$ Westerly in 1877.]

By command of their Lordships,
Fredk. J. Evans, Hydrographer.
Hydrographic Office, Admiralty, London,
22nd October, 1877.

This Notice affects the following Admiralty Charts :—Indian Ocean, No. 748 *a* ; Hollams Island to Cape Corrientes, No. 596 ; Cape Corrientes to Juba Islands, No. 597 ; Sordwana Point to Delagoa Bay, No. 2090 ; Delagoa Bay, No. 644 ; and English River Entrance, No. 646 ; Also, Admiralty List of Lights in South Africa, &c., 1877, page 4 ; and African Pilot for South and East Coasts of Africa, 1865, page 92.

NOTICE TO MARINERS.

(No. 146.)—NORWAY.—WEST COAST.—CHRISTIANSUND.

(1.) *Fixed Light at Kvitnes.*

WITH reference to Notice to Mariners No. 100, of 11th August, 1877, on the intended establishment of a light at Kvitnes, entrance of northern channel to Christiansund :—

The Norwegian Government has given further notice, that the light will be exhibited on 10th November, 1877.

The light will be a fixed light of the fifth order, and will show red between the bearings of E.N.E. and S.E. by S. (on this bearing it will lead northward of Haask Rock) ; white between S.E. by S. and S. by W. $\frac{1}{2}$ W. (on this bearing it will lead about 3 cables westward of Golmodden) ; and red between S, by W. $\frac{1}{2}$ W. and W.S.W.

The light will be elevated 60 feet above the sea, and should be visible in clear weather from a distance of 9 miles.

The lighthouse, situated on the extremity of the point, is a wooden building painted white. Position as given, latitude $63^{\circ} 7' 75''$ N., long. $7^{\circ} 48' 50''$ E.

This light will be exhibited between 1st August and 15th May following ; for the remainder of the year it will not be shown.

SOUTH-WEST COAST.

(2.) *Fog Signal at Lister Lighthouse.*

Also, of the intended establishment, on the 10th November, 1877, of a fog horn at Lister Lighthouse.

The horn will give during thick and foggy