

water (apparently a topmast), Great Orme Head bearing S.W. by S., distant about 7 miles.

Approximate position, lat.  $53^{\circ} 27\frac{1}{2}'$  N., long.  $3^{\circ} 49\frac{1}{2}'$  W.

NOTE.—A quantity of wreckage was also passed by the "Minlio," between Skerries and Liverpool Bar.

Also, that the Master of the steam-vessel "Egret" reports having passed, on 13th November, 1890, in a position dangerous to shipping, a mast, showing about 8 feet above water, and apparently attached to sunken vessel, N.W. Light-vessel bearing E.S.E., distant about 6 miles.

Approximate position, lat.  $53^{\circ} 31'$  N., long.  $3^{\circ} 41'$  W.

The above reports possibly refer to the same wreckage.

[Variation  $20^{\circ}$  Westerly in 1890.]

This Notice temporarily affects the following Admiralty Charts:—Ireland, east coast, No. 1824a; Irish Channel, No. 1825b; Holyhead to Liverpool, Nos. 1170a, b. Also, Sailing Directions for the West Coast of England, 1884, pages 116, 135.

#### No. 651.—AUSTRALIA STATION.

##### SOUTH PACIFIC OCEAN.

##### Auckland Islands—Provision Depôts.

INFORMATION has been received from the Government of New Zealand, that the undermentioned are now the only places in the Auckland Islands at which Depôts of provisions are maintained for the benefit of shipwrecked people; others formerly existing having been discontinued.

1. South side of Erebus Cove, Port Ross or Sarahs Bosom Harbour.

2. Camp Cove, north side of Western Arm, Carnley Harbour.

Note.—A boat is kept on Enderby Island, also on the north-west end of Adams or South Island.

This Notice affects the following Admiralty Plans: Auckland Islands and Camp Cove, on sheet No. 1114; Also, New Zealand Pilot, 1883, page 362.

#### No. 652.—CHINA, AUSTRALIA, AND PACIFIC STATIONS.

##### JAPAN.—STRAIT OF TSUGAR—EASTERN ENTRANCE.

##### Flashing Light on Yesan no Saki.

THE Japanese Government has given notice that on 1st November, 1890, a light would be exhibited from a lighthouse recently erected on Yesan no Saki (Cape Yesan), north side of Eastern entrance to the Strait of Tsugar:—

Yesan no Saki Light is a flashing light, showing alternately a red flash and a white flash every fifteen seconds, and visible through an arc of  $187^{\circ}$ , or from the bearing of S.  $14^{\circ}$  E., through West, to N.  $7^{\circ}$  W. It is elevated 144 feet above the sea, and should be seen in clear weather from a distance of 17 miles.

The illuminating apparatus is catoptric, or by reflectors, of the second order.

The lighthouse, 50 feet high, constructed of iron, and hexagonal in shape, is painted white.

Approximate position, lat.  $41^{\circ} 49' 5''$  N., long.  $141^{\circ} 10' 50''$  E.

[Variation  $6^{\circ}$  Westerly in 1890.]

This Notice affects the following Admiralty Charts:—North-west Pacific Ocean, No. 2459; Kuril Islands, No. 2405; Nipon Island, &c., 2347; Yezo Island, No. 452; Strait of Tsugar, No. 2441. Also, Admiralty List of Lights in South Africa, &c., 1890, page 112; and China Sea Directory, Vol. IV, 1884, page 573.

#### No. 653.—BALTIC STATION.

##### BALTIC.—SWEDISH COAST.

##### GOTLAND.—WEST COAST.

##### Skansudde and Utholmen—Particulars of Lights.

WITH reference to Notice to Mariners, No. 623 (1, 2) of 1890, on the exhibition of flashing lights on Skansudde and Utholmen, near Vestergarn, West coast of Gotland:—

The Norwegian Government has published the following further particulars concerning the lights which were exhibited on 1st November, 1890:—

1. Skansudde Light is a flashing light, showing white from the bearing of N.  $16^{\circ}$  E. to N.  $24^{\circ}$  E.; red from N.  $24^{\circ}$  E. to N.  $74^{\circ}$  E.; green from N.  $74^{\circ}$  E. to S.  $59^{\circ}$  E.; white from S.  $59^{\circ}$  E. to S.  $51^{\circ}$  E.; red from S.  $51^{\circ}$  E. to S.  $30^{\circ}$  E.; green from S.  $30^{\circ}$  E. to S.  $10^{\circ}$  E.; white from S.  $10^{\circ}$  E. to S.  $1^{\circ}$  W.; and red from S.  $1^{\circ}$  W. to about S.  $4^{\circ}$  W.

Approximate position, latitude  $57^{\circ} 26' 35''$  N., longitude  $18^{\circ} 7' 30''$  E.

2. Utholmen Light is a flashing light, showing white from the bearing of S.  $39^{\circ}$  W. to S.  $80^{\circ}$  W.; and red from N.  $23^{\circ}$  W. to N.  $74^{\circ}$  W.

The lighthouse, constructed of iron, and cylindrical in shape, is coloured white.

Approximate position, latitude  $57^{\circ} 26' 15''$  N., longitude  $18^{\circ} 6'$  E.

[Variation  $8^{\circ}$  Westerly in 1890.]

This Notice affects the following Admiralty Charts:—Baltic Sea, No. 2842b; Oland to Landsort, No. 2361; Gotland, No. 2250; Kalmar Sound and Oland Island, No. 2251. Also, Admiralty List of Lights on the Eastern Shores of the North Sea, &c., 1890, page 218; and Baltic Pilot, 1888, page 82.

#### No. 654.—BALTIC STATION.

##### GULF OF BOTHNIA.—SWEDISH COAST.

##### Auxiliary Light on Stor Jungfrun.

THE Swedish Government has given notice, that on 10th November, 1890, an auxiliary light would be exhibited from the lower part of the lighthouse on Stor Jungfrun:—

Stor Jungfrun Auxiliary Light is a fixed red light visible through an arc of  $32^{\circ}$ , or from the bearing of S.  $85^{\circ}$  W. to N.  $60^{\circ}$  W. (covering Stör Grundet). It is elevated 35 feet above the sea, and should be seen in clear weather from a distance of nine miles.

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

Approximate position, lat.  $61^{\circ} 10'$  N., long.  $17^{\circ} 21'$  E.

NOTE.—This light is intended to guide vessels requiring a pilot from Stor Jungfrun.

[Variation  $8^{\circ}$  Westerly in 1890.]

This Notice affects the following Admiralty Chart:—South Quarken to Hornslandet, No. 2296. Also, Admiralty List of Lights on the Eastern Shores of the North Sea, &c., 1890, No. 769; and Baltic Pilot, 1888, page 289.

#### No. 655.—ALL STATIONS.

##### ENGLAND.—EAST COAST.—RIVER THAMES ENTRANCE.—DUKE OF EDINBURGH CHANNEL.

##### Decreased Depths on Shingles Patch.

NOTICE is given, that it has been found from soundings recently taken, in H.M. surveying-vessel "Triton," on Shingles Patch, Duke of Edinburgh Channel, that there is not more than 19 feet in the vicinity of the 21 feet marked on the Admiralty Charts from soundings taken in 1889.

The depths given are at low water spring tides.