

buoy, N.W., 6 cables; South Middle Brake, N. $\frac{1}{4}$ E., $1\frac{7}{10}$ miles; Gull light vessel N.N.E. $\frac{1}{4}$ E., 2 miles; N.W. Bunt buoy N.E. $\frac{1}{2}$ N., $1\frac{4}{10}$ miles; and the South Sand head light vessel S.S.W., 4 miles.

North-West Bunt Buoy.

A new buoy, chequered black and white, and marked North-West Bunt, has been placed in 6 fathoms, with Upper Deal mill in line with Deal castle, bearing W. by S. $\frac{1}{2}$ S.; St. Peter's church at Sandwich, in line with the south end of No. 2 battery, N.W. by W.; Gull light vessel north, 7 cables; N.W. Goodwin buoy, N.E. $\frac{1}{4}$ E., $2\frac{1}{10}$ miles; Bunt Head buoy S.W. $\frac{1}{2}$ S., $1\frac{4}{10}$ miles; South Brake buoy W.S.W., $1\frac{4}{10}$ miles; and the South Middle Brake buoy N.W. $\frac{1}{2}$ W., one mile.

The North-West Goodwin Buoy

has been moved to the north-westward 2 cables, and now lies in 12 fathoms, with St. Lawrence mill, in line with the obelisk at Ramsgate, bearing N.N.W. $\frac{1}{2}$ W.; Northbourne mill, in line with the south end of No. 1 battery, W. $\frac{3}{4}$ S.; North Bar buoy N. $\frac{1}{4}$ E., $1\frac{9}{10}$ miles; Gull buoy N.N.E. $\frac{1}{2}$ E., $2\frac{3}{10}$ miles; Goodwin Knoll buoy E.N.E., $2\frac{4}{10}$ miles; N.W. Bunt Buoy S.W. $\frac{1}{4}$ W., $2\frac{1}{10}$ miles; and the Gull light vessel S.W. by W. $\frac{3}{4}$ W., $1\frac{7}{10}$ miles.

[All bearings are magnetic. Variation $20^{\circ} 26'$ West in 1864.]

By command of their Lordships,

Geo. Henry Richards, Hydrographer.

Hydrographic Office, Admiralty, London,
28th September, 1864.

This Notice affects the following Admiralty Charts:—The Downs, No. 1828. Also, Channel Pilot, Part 1, pages 234—236.

NOTICE TO MARINERS.

(No. 47.)—ENGLAND—SOUTH-EAST COAST.

Gull Light Vessel.

THE Corporation of the Trinity House, London, has given notice, in pursuance of their advertisement, dated the 25th ultimo, that the Gull Light vessel has been moved $5\frac{1}{2}$ cables in a S.S.W. $\frac{1}{2}$ W. direction.

The vessel now lies in 8 fathoms water, with the South Foreland High light on with the south side of Old Stairs bay bearing S.W. $\frac{1}{4}$ W.; Ash church, one third from St. Peter's church towards St. Clement's church at Sandwich, N.W. by W. $\frac{1}{2}$ W.; Middle Brake buoy N. by W. $\frac{1}{4}$ W., distant $1\frac{3}{10}$ miles; North Bar buoy N.E. by N., $3\frac{1}{10}$ miles; Gull buoy N.E., $3\frac{2}{10}$ miles; Goodwin Knoll buoy E.N.E., $4\frac{2}{10}$ miles; N.W. Goodwin buoy N.E. by E. $\frac{3}{4}$ E., $1\frac{7}{10}$ miles; Goodwin light vessel E. by N. $\frac{1}{4}$ N., $5\frac{6}{10}$ miles; N.W. Bunt buoy South, 7 cables; Bunt Head buoy S.S.W. $\frac{1}{4}$ W. 2 miles; and South Brake buoy S.W. westerly, $1\frac{2}{10}$ miles.

Caution.—It is reported that the south-eastern edge of the Goodwin Sand has extended outwards, and that it is intended to move the buoys accordingly. Vessels are therefore warned to give this part of the Goodwin a wide berth.

WALES—MILFORD HAVEN..

Saint Ann's High Lighthouse.

Also, that a red strip of light is now shown from the High lighthouse on St. Ann's head, at the west side of entrance to Milford Haven, in the

direction of the Chapel and Harbour rocks, visible when bearing from N.W. $\frac{1}{4}$ N. to W. $\frac{1}{4}$ N.

[All bearings are magnetic. Variation in the Downs $20^{\circ} 26'$, and at Milford Haven $23^{\circ} 40'$ West in 1864].

By command of their Lordships,

Geo. Henry Richards, Hydrographer.

Hydrographic Office, Admiralty, London,
28th September, 1864.

This notice affects the following Admiralty Charts:—The Downs, No. 1828; and Milford Haven, No. 2393. Also, Channel Pilot, Part 1, page 234.

NOTICE TO MARINERS.

(No. 48.)—NORWAY—WEST COAST.

Fixed Light on Stangholm.

THE Royal Norwegian Marine Department at Christiania has given notice, that on and after the 19th day of September, 1864, a light would be exhibited from a lighthouse recently erected on Stangholm, close to Tranø, Vest Fiord, on the West Coast of Norway.

The light is a *fixed* white light, at an elevation of 42 feet above the mean level of the sea, and should be seen in clear weather from a distance of about eleven miles.

The illuminating apparatus is of the fourth order.

The tower is in lat. $68^{\circ} 10' 35''$ N., long. $15^{\circ} 38'$ East of Greenwich. The light will be shown from the 15th day of August to the 30th day of April.

By command of their Lordships,

Geo. Henry Richards, Hydrographer.

Hydrographic Office, Admiralty, London,
3rd October, 1864.

This Notice affects the following Admiralty Charts:—Coasts of Norway and Lapland, No. 2303; Norway, Sheets 9 and 10, Nos. 2311, 2312.

NOTICE TO MARINERS.

(No. 49.)—MEDITERRANEAN—ISLAND OF SARDINIA.

Fixed and Flashing Light on Cape Caccia.

THE Minister of Marine at Turin has given notice, that on and after the 1st day of October, 1864, a light would be exhibited from a lighthouse recently erected on Cape Caccia, the west point of entrance to Porto Conte, on the west coast of Sardinia.

The light is a *fixed* white light, varied by a *flash* every four minutes. It is placed at an elevation of 610 feet above the mean level of the sea, and in clear weather should be seen from a distance of 26 miles.

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

The tower is white, surmounted by a dark coloured lantern, and 82 feet high from base to vane. It is said to stand in lat. $40^{\circ} 33' 34''$ N., long. $8^{\circ} 10' 5''$ East of Greenwich, or about $5'$ east of that of the Admiralty Charts.

Fixed and Flashing Light on Cape Sandalo.

Also, that on and after the 1st day of October, 1864, a light would be exhibited from a lighthouse recently erected on Cape Sandalo, the