

accuracy of the chart until the locality has been re-surveyed.

By command of their Lordships,
Geo. Henry Richards, Hydrographer.
 Hydrographic Office, Admiralty, London,
 31st July, 1869.

This notice will affect the following Admiralty Charts:—Owers to Christchurch, No. 2045; Spithead, No. 2050; Portland to Portsmouth, No. 2450; and Lynn and Boston Deep, No. 108; also, Channel Pilot, part 1, 3d edition, page 158.

NOTICE TO MARINERS.

(No. 47.)—UNITED STATES—MAINE.

Fog Signal at Cape Elizabeth.

THE United States Government has given notice, that a steam fog whistle has recently been erected on Cape Elizabeth, western side of entrance to Portland harbour, 267 yards to the southward of the lighthouse, from which, during thick and foggy weather and snow storms, the whistle will be sounded for *eight seconds*, once in *each minute*.

MASSACHUSETTS.

Fog Signal at Cape Ann.

Also, that a fog signal has been established at Cape Ann (Thatchers Island) light station, near the southern tower.

It consists of a trumpet, blown by an engine, and gives a blast of *seven seconds* duration, at intervals of *forty-three seconds*.

The trumpet turns from the direction of the Salvages on the north-east round to the vicinity of Eastern point, and will be heard more distinctly between these points than elsewhere.

By command of their Lordships,
Geo. Henry Richards, Hydrographer.
 Hydrographic Office, Admiralty, London,
 4th August, 1869.

This Notice affects the following Admiralty Charts:—Halifax to Delaware, No. 2670; Bay of Fundy to Long Island, No. 2492; Penmaquid point to Fletcher's neck, No. 2490; Portland and approaches, No. 2488; Fletcher's neck to Cape Codd, No. 2482; and Rockport harbour, No. 2895; also, United States Lights Lists, Nos. 39 and 52.

NOTICE TO MARINERS.

(No. 48.)—CHINA—EAST COAST.

Reported Shoal near Chin-Ha Point.

Information has been received that a shoal has been reported by the English steam ship *Erl King*, which ship touched on it while drawing 20 feet, lying S. by E. $2\frac{1}{2}$ miles from Chin-ha point.

Chapel Island, bearing ... S.E. $\frac{1}{2}$ E.
 Lantia Island " ... S.W. $\frac{1}{2}$ W.
 Position, lat. $24^{\circ} 14' 10''$ N., long. $118^{\circ} 8' 20''$
 East from Greenwich.

JAPAN—YEDO BAY.

Buoy on Saratoga Bank.

The Japanese Government has given notice, that a buoy has been placed at the western extremity of the Saratoga Spit in Yedo bay.

The buoy is an iron *red* buoy, surmounted by a staff and cage, the latter 33 feet above the sea; it

is moored in $8\frac{1}{2}$ fathoms, and can be approached without danger on the western side; from it, Manderin bluff bears N.N.W. $\frac{1}{4}$ W., Perry island N.E. by E., and Kanou-saki lighthouse South.

INDIA—WEST COAST—BOMBAY.

Flag Stag on Kennery Island.

The Master attendant at Bombay has given notice, that on the 15th day of May, 1870, a flag-staff with yard, 200 feet above the sea, will be erected on Kennery island N.E. $\frac{1}{2}$ E. 87 yards from the lighthouse.

[All Bearings are Magnetic. Variation at Chin-ha point 0° , variation at Yedo bay $2\frac{1}{2}^{\circ}$ Westerly in 1869].

By command of their Lordships,
Geo. Henry Richards, Hydrographer.
 Hydrographic Office, Admiralty, London,
 4th August, 1869.

This Notice affects the following Admiralty Charts:—China, east coast, sheet IV., No. 1760; Formosa Strait, No. 1968; Hong Kong to Lian-tung, No. 1262; Yedo Bay, No. 2657; and Bombay Harbour, No. 2621.

NOTICE TO MARINERS.

(No. 49.)—BRAZIL.

Alteration in Position of Light Vessel, Entrance of Pará River.

THE Provincial Government of Pará, Brazil, has given notice that the light vessel near the bend of the Braganza Bank, entrance of the River Pará, has been moved from the position given in Notice to Mariners No. 17, dated 9th March, 1869.

The light vessel is now moored in 15 fathoms, about one and a-half miles from the edge of the Braganza Shoal; from her the point of the Island of Tajoca bears S. by E. $\frac{1}{2}$ E., and Curaza Point S.E.: position, lat. $0^{\circ} 33' 25''$ S., long. $47^{\circ} 55'$ West from Greenwich.

Directions.—Ships coming from the eastward should, as soon as the light vessel bears west, steer for her; and, passing north, steer S.W. as soon as they have rounded her.

[All bearings are magnetic. Variation $1^{\circ} 50'$ Westerly in 1869.]

By command of their Lordships,
Geo. Henry Richards, Hydrographer.
 Hydrographic Office, Admiralty, London,
 5th August, 1869.

This notice affects the following Admiralty Charts:—South America, East Coast, Sheet III., No. 1803; and River Pará, No. 2186. Also, South American Pilot, Part I., page 261.

NOTICE TO MARINERS.

(No. 50.)—ENGLAND, SOUTH COAST.

Revolving Light on the Wolf Rock.

THE Trinity House, London, has given notice, that the lighthouse which for some time past has been in course of erection on the Wolf rock, off the Land's End, being now far advanced towards completion, it is intended on or about the 1st day of January, 1870 (unless prevented by unforeseen circumstances), to exhibit from it, at an elevation of 100 feet above high water, a *revolving* light,