

visible from the whistle buoy northward of Point d'Ailly to the coast southward, and covering all the dangers off Point d'Ailly.

Also, that the following alteration has been made in the position of the above whistle buoy:—

The whistle buoy northward of Point d'Ailly is painted red, and now moored with Point d'Ailly Lighthouse bearing south, distant $1\frac{1}{10}$ miles.

Position, lat. $49^{\circ} 56' 12''$ N., long. $0^{\circ} 57' 14''$ E.
[Variation 16° Westerly in 1890].

This Notice affects the following Admiralty Charts:—English Channel, Nos. 1598, 2675c; Dieppe to Boulogne, No. 2611; Trouville to Dieppe, No. 2612; Dieppe, No. 1073. Also, Admiralty List of Lights on the Western Coasts of Europe and Africa, 1890, No. 34; and Channel Pilot, Part II, 1888, pages 469, 473.

No. 311.—NORTH AMERICA AND WEST INDIES STATION.

UNITED STATES—NEW YORK.—NEW YORK LOWER BAY.

Main Ship Channel—Alterations in Buoyage.

THE United States Government has given notice, that on or about 19th June, 1890, the following alterations will be made in the buoyage of Main Ship Channel, New York Lower Bay, in order to mark the recent improvements in that channel:—

(1.) No. $8\frac{1}{2}$ Buoy, red can with perch and ball, will be moved about $3\frac{1}{2}$ cables, East, from its present position, and will be moored in 29 feet at low water, with Sandy Hook Lighthouse bearing S.E. $\frac{3}{4}$ S., distant $1\frac{1}{2}$ miles; and Romer Shoal Lighthouse, N.N.E. $\frac{1}{8}$ E.

(2.) No. 10 Buoy, red iron spar, marking the south-west spit, will be moved about one cable N.E. $\frac{1}{2}$ E. from its present position, and will be moored in 28 feet at low water, with Sandy Hook Lighthouse bearing S.E. $\frac{3}{4}$ E., distant $2\frac{2}{10}$ miles; and Romer Shoal Lighthouse, N.E. $\frac{1}{4}$ N.

(3.) The buoys marking the Chapel Hill Dredged Channel will be placed about 5 cables apart, instead of $3\frac{1}{2}$ cables, C¹ and C² Buoys remaining in their present positions.

(4.) C³ Buoy, black nun, will be moored in 23 feet at low water, with Romer Shoal Lighthouse, bearing N.E. by E. $\frac{1}{2}$ E., distant $1\frac{2}{10}$ miles; and Hook Beacon, S.E. $\frac{1}{8}$ E.

(5.) C⁴ Buoy, red can, will be moored in 28 feet at low water, with Romer Shoal Lighthouse bearing N.E. by E. $\frac{1}{4}$ E., distant $1\frac{3}{10}$ miles; and Hook Beacon, S.E. $\frac{1}{8}$ E.

(6.) C⁵ Buoy, black nun, will be moored in 25 feet at low water, with Romer Shoal Lighthouse bearing E. by N. $\frac{1}{4}$ N., distant $1\frac{6}{10}$ miles; and Hook Beacon, S.E. $\frac{3}{4}$ S.

(7.) C⁶ Buoy, red can, will be moored in 30 feet at low water, with Romer Shoal Lighthouse bearing E. by N. $\frac{1}{2}$ N., distant $1\frac{4}{10}$ miles; and Hook Beacon, S.E. by S.

(8.) No. 12 Buoy, red can, will be moved to a position about midway between the above position of C⁶ Buoy and the junction buoy of the Swash Channel, and will be moored in 29 feet at low water, with Romer Shoal Lighthouse bearing E. $\frac{1}{4}$ S. distant $1\frac{4}{10}$ miles; and Sandy Hook Lighthouse, S.S.E. $\frac{1}{8}$ E.

(9.) No. 11 buoy, black iron spar, marking west bank, will be withdrawn.

The above alterations will give a continuous line of red buoys at regular intervals on the star-board hand entering along the edges of the shoals from the junction of the Swash and Main Ship Channels to Sandy Hook, and to the Bayside Dredged Channel.

[Variation 8° Westerly in 1890.]

This notice affects the following Admiralty Charts:—Approaches to New York, No. 2491. Also, Sailing Directions for the Principal Ports of the United States, 1882, pages 132-134; and Hydrographic Notice, No. 7 of 1888, relating to Principal Ports of the United States, page 20.

No. 312.—AUSTRALIA STATION. NEW ZEALAND.—NORTH ISLAND—WEST COAST. KAIPARA HARBOUR.

Additional Leading Beacons on North Head.

THE Government of New Zealand has given notice, dated 9th April, 1890, that two additional leading beacons have been erected on the low sandhills seaward of the lighthouse on North Head, north side of entrance to Kaipara Harbour:—

The front beacon seaward of the lighthouse on North Head is 25 feet high, painted white, and situated S.W. by W. distant $1\frac{1}{4}$ miles from North Head Lighthouse.

The rear beacon is 25 feet high, painted white, and bears N.E. $\frac{1}{2}$ N., distant 390 yards from the front beacon.

These beacons in line, bearing N.E. $\frac{1}{8}$ N., lead northward of Tory Shoal; also over the bar, but on account of its distance from them, these beacons cannot always be seen from the bar, and therefore the beacons erected on the high land north-eastward of the lighthouse, should, as hitherto, be used for crossing the bar.

Vessels entering Kaipara Harbour, after passing Tory Shoal, should haul more to the eastward, to avoid getting too near the northern shore, both flood and ebb streams setting towards that shore.

A look-out should be kept for any signal shown from the Semaphore Station on North Head.

[Variation 14° Easterly in 1890.]

This Notice affects the following Admiralty Chart:—Kaipara Harbour, No. 2614. Also, New Zealand Pilot, 1883, page 212; and, Revised Supplement, 1887, relating to New Zealand Pilot, page 6.

No. 313.—CHANNEL AND WESTERN STATION.

FRANCE—WEST COAST.—CHENAL DU NORD.
Plateau du Four—Character of Buoy marking South End.

INFORMATION has been received through the Board of Trade, that the buoy marking the south end of Plateau du Four, west side of Chenal du Nord, approach to Loire River, is a bell-buoy.

Approximate position, lat. $47^{\circ} 15'$ N., long. $2^{\circ} 38\frac{1}{4}'$ W.

This Notice affects the following Admiralty Charts:—Bay of Biscay, No. 1104; Bourgneux to I. de Groix, No. 2646. Also, Sailing Directions for the West Coasts of France, Spain, and Portugal, 1885, page 57.

No. 314.—NORTH SEA AND BALTIC STATIONS.

NORTH SEA.
Wreckage Northward of Borkum Flat Light-vessel.

INFORMATION has been received that the Master of the Hamburg barque "Okeia" has reported having passed, in a position dangerous to shipping, a mast (apparently of a schooner) showing about ten feet above water at low tide, when about ten miles N. by W. from Borkum Flat Light-vessel, or in lat. $53^{\circ} 59'$ N., long. $6^{\circ} 10'$ E.

[Variation 14° Westerly in 1890.]

This Notice temporarily affects the following Admiralty Charts:—North Sea, No. 2182a;