

Gillard Island beacon, Cardero Channel. Approx. position : Lat. 50° 23' 38" N., long. 125° 11' W.

Helmcken Island beacon, Johnstone Strait. Approx. position : Lat. 50° 23' 51" N., long. 125° 52' 10" W.

Crane Islets beacon, New Channel, Queen Charlotte Sound. Approx. position : Lat. 50° 50' 42" N., long. 127° 31' 25" W.

Jorkins Point beacon, Finlayson Channel. Approx. position : Lat. 52° 26' 36" N., long. 128° 30' 15" W.

Watson Rock beacon, western entrance to Grenville Channel. Approx. position : Lat. 53° 55' 43" N., long. 130° 9' 56" W.

Pointer Rocks beacon, Chatham Sound. Approx. position : Lat. 54° 36' 19" N., long. 130° 32' W.

Cennis Islet beacon, Beaver Passage. Approx. position : Lat. 53° 45' 37" N., long. 130° 18' 45" W.

VANCOUVER ISLAND.—CLAYOQUOT SOUND.—TEMPLAR CHANNEL.—CHANGE OF BUOYS.—The Canadian Government has given notice of the following changes in the buoyage of Templar Channel Clayoquot Sound, Vancouver Island, British Columbia :—

The black spar buoy marking the western edge of the shoal south of Felice (Round) Island has been replaced by a black can buoy.

Approx. position : Lat. 49° 8' 56" N., long. 125° 55' 35" W.

The red spar buoy marking the northern extremity of the shoal ground in the middle of Templar Channel has been replaced by a red nun buoy.

Approx. position : Lat. 49° 8' 47" N., long. 125° 55' 39" W.

QUEEN CHARLOTTE ISLANDS.—HOUSTON-STEWART CHANNEL.—LIGHT TO BE MOVED.—The Canadian Government has given notice that the light on Flat Rock, western entrance of Houston-Stewart Channel, Queen Charlotte Islands, British Columbia, will be discontinued and the light and beacon moved to Separation Point, Tolmie Channel.

Further notice will be given when the change is made.

Approximate position of Flat Rock on H.O. Chart No. 1770 : Latitude 52° 6' 30" N., longitude 131° 10' W.

Approximate position of Separation Point : Latitude 52° 41' 20" N., longitude 128° 34' W.

STRAIT OF GEORGIA.—FRASER RIVER SAND HEADS.—FRASER RIVER LIGHT-VESSEL.—CHANGE IN FOG-SIGNAL.—The Canadian Government has given notice that a diaphone fog-alarm, which sounds 1 blast every 30 seconds—thus, blast 3 seconds, silent interval 27 seconds—has been established on Fraser River Light-vessel, off Fraser River Sand Heads, Strait of Georgia, British Columbia, and the fog-bell heretofore maintained has been discontinued.

The diaphone is installed in a white rectangular wooden deck-house between the masts.

Approx. position : Lat. 49° 6' 17" N., long. 123° 18' 15" W.

BURRARD INLET.—ATKINSON POINT LIGHT-STATION.—NEW LIGHT ESTABLISHED.—The Canadian Government has given notice that a 3rd order flashing white light of 55,000 candle-power, showing 2 flashes every 5 seconds—thus, flash  $\frac{1}{2}$  second, eclipsed  $\frac{3}{4}$  second ; flash  $\frac{1}{2}$  second, eclipsed  $3\frac{3}{4}$  seconds—has been established on Atkinson Point, Burrard Inlet, Strait of Georgia.

The new light is exhibited 108 ft. above high water from a white, hexagonal, reinforced-concrete tower, stiffened by six buttresses and surmounted by a red, circular, metal lantern erected near the site of the old tower, and is visible 16 miles.

The height of the tower from its base to the vane on the lantern is 60 ft. The illuminant is incandescent petroleum vapour.

Approx. position : Lat. 49° 19' 42" N., long. 123° 15' 54" W.

TOLMIE CHANNEL.—BOAT BLUFF.—OBSTRUCTION REPORTED.—Captain Simon Brunn, of the steamer "Northland," reports that on 29th November, 1912, an obstruction, consisting of two tree-stumps about 25 ft. high and 18 in. in diameter, apparently held in position by heavy roots, was observed about  $\frac{1}{4}$  mile 252° from Boat Bluff light, Tolmie Channel, British Columbia.

Approximate position of Boat Bluff light : Latitude 52° 38' 42" N., longitude 128° 32' W.

#### BAY OF BENGAL.

RANGOON RIVER.—FAIRWAY LIGHT-BUOY TEMPORARILY REPLACED BY UNLIGHTED BUOY.—On 11th November, 1912, the fairway light-buoy at the entrance to the Rangoon River, Bay of Bengal, was temporarily replaced by an unlighted first-class conical buoy, painted black and white in horizontal bands.

No light will be exhibited from this buoy until further notice.

Approx. position : Lat. 16° 17' N., long. 96° 16' 45" E.

SPIT LIGHT-VESSEL TEMPORARILY WITHDRAWN FROM STATION.—RELIEF LIGHT-VESSEL.—The deputy conservator of the Port of Rangoon has given notice that on 12th November,

1912, the Spit Light-vessel, Rangoon River, Bay of Bengal, would be temporarily withdrawn from her station, and the station would be marked by a relief light-vessel showing a flashing white light every 45 seconds—thus, flash 5 seconds, eclipsed 40 seconds.

Further notice will be given when the regular light-vessel is replaced on her station and the relief light-vessel withdrawn.

Approx. position : Lat. 16° 27' N., long. 96° 22' 15" E.

WRECK GAS-BUOY RELIGHTED.—Information has been received that the light on the gas-buoy marking the wreck 300 yards north-eastward of the eastern end of Hastings Shoal, Rangoon River, Bay of Bengal, which was extinguished 24th September, 1912, has been re-exhibited.

Approximate position on B.A. Chart No. 833 : Latitude 16° 45' 16" N., longitude 96° 12' 10" E.

CHITTAGONG RIVER.—WRECK BUOY WITHDRAWN.—Notice is given that the buoy marking the wreck of the small schooner sunk 1,000 ft. 51° from Ring Bar buoy, Chittagong River, Bay of Bengal, has been withdrawn. There is now a depth of 16 ft. over the wreck at low-water ordinary springs.

Approximate position of Ring Bar buoy : Latitude 22° 19' 10" N., longitude 91° 49' 29" E.

RANGE BEACON MOVED.—DEPTHS.—Information has been received that the "black diamond," constituting the rear leading-beacon for crossing the bar at the Chittagong River, Bay of Bengal, has been moved 66 ft. 91° 30'.

"White disc," in line with "black diamond," leads over the outer and inner bars in 12 $\frac{1}{2}$  and 11 $\frac{1}{2}$  feet respectively.

"Drum on tripod," in line with "black diamond," leads over Goaptu Crossing in 15 ft.

H.O. Chart No. 1593.

B.A. Charts Nos. 859 and 84.

Bay of Bengal Pilot, 1910, page 322.

AMMAPATAM.—LIGHT PERMANENTLY EXHIBITED.—The Government of India has given notice that the fixed white light at Ammapatam, east coast of India, is now permanently exhibited from the flagstaff. This light is a 6th-order dioptric light, elevated 30 ft. above the water, and is visible 10 miles over an arc of 180° from 220° to 40°. It serves as a guide to the anchorage.

Approx. position : Lat. 10° 1' N., long. 79° 14' E.

#### CHILE.

MAGELLAN STRAIT.—FIRST NARROWS.—MENDEZ POINT.—LIGHT TO BE ESTABLISHED.—A lighthouse is in course of construction on Mendez Point, southern shore of the First Narrows, Magellan Strait, Chile. An unwatched acetylene light will be exhibited from the lighthouse when it is completed.

Further notice will be given.

Approx. position : Lat. 52° 32' 15" S., long. 69° 34' 45" W.

H.O. Charts Nos. 1132, 823, 454, 443, and 444.

H.O. Light List, Vol. 1, 1912, No. 1397.

H.O. Publication No. 89, West Coast of South America, 1905, page 68.

Sailing Directions for Magellan Strait from West to East (supplement to H.O. Publication No. 89), 1912, page 25.

ENGLISH REACH.—RUPERT ISLAND.—LIGHT TO BE ESTABLISHED.—A lighthouse is in course of construction on Rupert Island, English Reach, Strait of Magellan.

An unwatched acetylene light will be exhibited when the lighthouse is completed, of which further notice will be given.

Approx. position : Lat. 53° 39' 45" S., long. 72° 12' 30" W.

H.O. Charts Nos. 823, 454, 445, and 2453.

H.O. Light List, Vol. 1, 1912, No. 1401.

H.O. Publication No. 89, West Coast of South America, 1905, page 92.

Sailing directions for Magellan Strait from West to East (supplement to H.O. Publication No. 89), 1912, page 21.

CAPE COOPER KEY.—LIGHT ESTABLISHED.—FURTHER INFORMATION.—Notice is given that the 4th-order, unwatched, flashing white light every 5 seconds—thus, flash  $\frac{1}{2}$  second, eclipsed  $4\frac{1}{2}$  seconds—recently established on Cape Cooper Key, Magellan Strait, is exhibited 106 ft. above the sea from a cylindrical iron tower, 7 ft. high, painted red and white in horizontal bands.

The light is visible 12 miles over an arc of 183° from 312° to 135°.

Approx. position : Lat. 53° 15' S., long. 73° 13' W.

#### Conception Bay.

(1.) TUMBES POINT.—Amended description of fog-signal :—

Position.—Lat. 36° 36 $\frac{1}{4}$ ' S., long. 73° 7 $\frac{1}{4}$ ' W.

Description.—A siren, worked by compressed air, giving one blast of ten seconds' duration every minute.