

for a rock awash at low water, has been placed on the charts in the above position. *Note:* The rock is known as "Campbell Rock." *Variation:* Nil.

MALACCA STRAIT.—PENANG HARBOUR.

BAGAN JERMAL.—BEACON LIGHTS TO BE ALTERED IN COLOUR.—*Date of Alteration:* 15th May, 1914. *Position:* (a.) On the line of telephone cable, and close eastward of harbour mark on Bagan Jermal. (b.) On the line of telephone cable and at a distance of 3 cables westward from (a). Bagan Jermal, lat. 5° 25' N., long. 100° 22½' E. *Details:* The colour of the fixed lights exhibited on these beacons will be altered from white to red. *Remarks:* The other details of the lights will remain unaltered. *Note:* No further notice will be given.

AUSTRALIA.—NORTH-WEST COAST.

AIRLIE ISLAND.—LIGHT ESTABLISHED.—*Position:* On centre of island. Lat. 21° 19' 25" S., long. 115° 9' 50" E., on Chart No. 3187. *Abridged description:* Lt. gp. fl. (3) ev. 9 secs., 91 ft., vis. 15 m. (U). *Details:* Character—a group flashing white light showing a group of three flashes every nine seconds—thus, flash 0·3 sec., eclipse 0·9 sec.; flash 0·3 sec., eclipse 0·9 sec.; flash 0·3 sec., eclipse 6·3 secs. Elevation—91 ft. Visibility—15 miles. Structure—red framework tower, 61 ft. in height. *Note:* The light is unwatched. *Charts affected:* No. 3187, Mangrove Islands to North-west Cape; No. 3186, Mary Anne Passage; No. 1055, Bedout Island to Cape Cuvier; No. 2759a, Australia, northern portion. *Publications:* "List of Lights," Part vi, 1914, No. 2246a. "Australia Directory," vol. iii, 1905, page 249. *Authority:* Harbour and Light Department, Fremantle.

AUSTRALIA.—QUEENSLAND.

ERECTION OF LIGHTHOUSES.—*Details:* Lighthouses are in course of construction on the undermentioned islands and reefs; mariners are warned that camp fires, lights, &c., may be seen in these localities during the erection of the lighthouses:—

- (a.) Clerke Island. *Position:* On eastern end of island. Lat. 11° 58½' S., long. 143° 17¼' E.
 (b.) Piper Islands. *Position:* On eastern edge of eastern reef. Lat. 12° 15¼' S., long. 143° 15' E.
 (c.) Chapman Island. *Position:* On western edge of reef. Lat. 12° 53¼' S., long. 143° 35½' E.
 (d.) Tih Tih (tt) Reef. *Position:* Lat. 13° 9' S., long. 143° 36½' E.
 (e.) Heath Reef. *Position:* Lat. 13° 28½' S., long. 143° 40¼' E.
 (f.) Dhu (d.) Reef. *Position:* On eastern end of reef. Lat. 14° 7¾' S., long. 144° ¼' E.
 (g.) Coquet Island. *Position:* On western end of island. Lat. 14° 32½' S., long. 144° 59¼' E.

ENGLAND, SOUTH COAST PORTSMOUTH APPROACH.

OWERS LIGHT-VESSEL.—WRECK SOUTH-SOUTH-EASTWARD OF.—*Position:* At a distance of about 1½ miles south-south-eastward of Owers Light-vessel. Lat. 50° 36' N., long. 0° 39¼' W. *Description:* Sunken wreck of the S.S. "Carbioneer."

HAWAIIAN ISLANDS.

MAUI ISLAND.—KAUIKI HEAD LIGHT.—CHARACTERISTIC TO BE CHANGED.—NEW STRUCTURE.—About 20th April, 1914, the characteristic of the light at Kauiki Head, Maui Island, Hawaiian Islands, will be changed from fixed red to an unwatched flashing white light of 240 candle-power every 2 seconds—thus, flash 0·5 second, eclipsed 1·5 seconds.

The new light will be exhibited 85 ft. above high water and 12 ft. above the ground from a gray pyramidal concrete tower erected 5 yards 300' from the present light.

The old mast and service room will be removed on the same date.

Approx. position: Lat. 20° 45' 30" N., long. 155° 58' 30" W.

HILO BAY.—KUHIO BAY.—INTENDED CHANGES IN BUOYAGE.—About 8th May, 1914, the following changes will be made in the buoyage of Kūhio Bay, Hilo Bay, Hawaiian Islands:—

- Blonde Reef South End buoy 1 will be renamed Entrance buoy 1, without other change.
 Coconut Island Reef buoy 2 will be renamed Entrance buoy 2, moved 155 yards 84° from its present position and re-established in about 6¼ fathoms.
 Channel buoy 4, a second-class nun, will be established in about 6 fathoms.
 Channel buoy 6, a second-class nun, will be established in about 5½ fathoms.
 Channel buoy 3, a second-class can, will be established in about 5½ fathoms.

Channel buoy 5, a second-class can, will be established in about 5½ fathoms.

Channel buoy 7, a second-class can, will be established in about 4¼ fathoms.

Channel buoy 9, a second-class can, will be established in about 6 fathoms.

WASHINGTON.

PUGET AND WASHINGTON SOUNDS.—BUOYS TO BE ESTABLISHED.—About 1st May, 1914, the following buoys will be established in Puget and Washington Sounds, Washington:—

Double Bluff buoy 1, a first-class iron spar, in 10 fathoms of water, on the bearings: Double Bluff, left tangent, 6° 45'; Double Bluff, right tangent, 71°; Foulweather Bluff, tangent, 238°.

Possession Point buoy 1, a first-class iron spar, in 10 fathoms of water, on the bearings: Muckilteo Lighthouse, 45° 30'; Point No Point Lighthouse, 278° 45'; Possession Point, left tangent, 332°.

West Point Buoy 1, a first-class wooden spar, in 5 fathoms of water, on the bearings: West Point Lighthouse, 52°; Alki Point Lighthouse, 171° 15'; Wing Point, tangent, 222°.

COLUMBIA RIVER.—SAND ISLAND LIGHT TO BE DISCONTINUED.—On 1st May, 1914, Sand Island light, Columbia River, Washington, will be permanently discontinued.

Approx. position: Lat. 46° 15' 35" N., long. 123° 57' 50" W.

CHINA.

YANGTZE RIVER.—LANGSHAN CROSSING.—NORTH TREE LIGHT-BEACON MOVED.—The Chinese Government has given notice that North Tree lighted beacon, Langshan Crossing, Yangtze River, China, has been moved 2 miles 345° 45' from its former position and re-established 3·63 miles 311° from Langshan Pagoda.

H.O. Charts Nos. 529 and 1305.

B.A. Charts Nos. 1262 and 2809.

H.O. Light List, Vol. ii, 1912, No. 511.

H.O. Publication No. 124, Asiatic Pilot, Vol. iii, 1909, page 215.

JAPAN.

SOUTHERN ISLANDS.—VOLCANO (KAZAN) ISLANDS.—SAN AUGUSTINO ISLAND (MINAMI IWO JIMA).—VOLCANIC ISLAND TO EASTWARD.—FURTHER INFORMATION.—The Japanese Government has given notice that the new volcanic island which has recently risen eastward of San Augustino Island (Minami Iwo Jima), Volcano (Kazan) Islands, Southern Islands, Japan, is about 400 ft. high, instead of 1,000 ft. as previously stated, and is located 3 miles 17° 20' from San Augustino Island in (approximately) latitude 24° 16' 30" N., longitude 141° 29' E.

A shoal with a depth of 10 fathoms over it has been discovered 2·9 miles 20° 20' from the volcanic island.

This shoal has been placed on the charts and marked "P.D."

CALIFORNIA.

SAN FRANCISCO BAY.—ALVISO CHANNEL.—BEACON DESTROYED.—Alviso Channel beacon No. 10, San Francisco Bay, California, was destroyed 14th April, 1914. This beacon will be rebuilt as soon as practicable.

Approx. position: Lat. 37° 29' 33" N., long. 122° 5' 22" W.

U.S. Coast Survey Charts Nos. 5500, 5530, and 5531.

U.S. Coast Pilot, Pacific Coast, 1909, page 70.

OREGON.

COLUMBIA RIVER ENTRANCE.—CLATSOP SPIT.—GAS AND BELL BUOY ESTABLISHED.—BUOY DISCONTINUED.—On 10th April, 1904, Clatsop Spit gas and bell buoy 12, cylindrical, with pyramidal skeleton superstructure, showing a flashing red light of about 50 candle-power every 3 seconds—thus, flash 0·3 second, eclipsed 2·7 seconds—was established at the entrance to the Columbia River, Oregon, on the bearings—

Entrance range front light	..	..	71°
South Jetty, tank	..	..	155°
Cape Disappointment Lighthouse	..	..	325°

The illuminating apparatus is a 200-millimeter lens lantern burning acetylene gas.

Clatsop Spit buoy 12, a first-class nun, was discontinued on the same date.

COLUMBIA RIVER ENTRANCE.—CLATSOP SPIT GAS AND BELL BUOY MOVED.—On 13th April, 1914, Clatsop Spit gas and bell buoy 12, Columbia River entrance, Oregon, was moved about 260 yards 189°, and re-established in 5 fathoms of water on the bearings—

Entrance range front light	..	..	68° 30'
South Jetty, tank	..	..	152° 0'
Cape Disappointment Lighthouse	..	..	327° 0'