

Position.—Lat. $5^{\circ} 12\frac{1}{2}'$ S., long. $106^{\circ} 44\frac{1}{2}'$ E.

Character.—Occulting white.

Elevation.—33 feet.

Structure.—Skeleton beacon on screw piles, 26 feet in height.

Remarks.—The beacon with black conical topmark which formerly marked Arnemuiden Bank has been removed.

Charts affected.—No. 2056, Sunda Strait, &c.; No. 2149, Banka and Gaspar Straits; No. 941a, Eastern Archipelago, western portion; No. 1263, China Sea.

Publications.—List of Lights, Part VI, 1909, No. 470; China Sea Directory, Vol. I, 1906, page 441; Eastern Archipelago, Part II, 1904, page 62; and Supplement, 1906; Notice to Mariners, No. 1642 of 1908.

Authority.—Hague Notice, No. 548 of 1909.

No. 486.—EAST FALKLAND ISLAND,
PORT WILLIAM—STANLEY HARBOUR
ENTRANCE.

Forth Shoal—Buoy Established.

Subject.—A buoy of the undermentioned description has been established to mark Forth Shoal, Stanley Harbour entrance.

Position.—In a depth of 27 feet, with the south-western extreme of Tussac Point bearing S. 74° E., distant 2 cables, and the south-eastern extreme of Navy Point, S. 12° W.; lat. $51^{\circ} 40\frac{3}{4}'$ S., long. $57^{\circ} 49'$ W.

Description.—Barrel buoy, painted red.

Variation.— 11° E.

Charts affected.—No. 1614, Stanley Harbour; No. 1774, Stanley Harbour, &c.

Publications.—South American Pilot, Part I, 1902, pages 410, 411; Revised Supplement, 1908.

Authority.—Board of Trade, 22nd March, 1909.

No. 487.—UNITED STATES, ATLANTIC
COAST—SOUTH CAROLINA.

Winyah Bay, South Jetty—Lighthouse Erected.

Subject.—A lighthouse of the undermentioned description has been erected on South jetty, Winyah Bay.

Position.—On outer end of jetty; latitude $33^{\circ} 11\frac{1}{2}'$ N., long. $79^{\circ} 8'$ W.

Description.—Black pyramidal framework tower with gallery, about 25 feet in height.

Remarks.—A light will be established in this tower, of which further notice will be given.

Chart affected.—No. 2866, Winyah Bay.

Publications.—List of Lights, Part VIII, 1909, page 275; Sailing Directions for the East Coast of the United States, 1899, page 716.

Authority.—United States Commerce Notice, No. 671 of 1909.

No. 488.—UNITED STATES, PACIFIC
COAST—CALIFORNIA.

*San Pedro Bay—Completion of Breakwater ;
Depth on Bar.*

Subject.—The undermentioned information has been received with regard to San Pedro Bay.

Position.—Point Fermin Lighthouse, lat. $33^{\circ} 42\frac{1}{2}'$ N., long. $118^{\circ} 17\frac{3}{4}'$ W.

1. Completion of breakwater :

Details.—The breakwater on the southern side of San Pedro Bay is now completed. It extends for a distance of 6 cables further, in a N. 54° E. direction, than is now shown on the chart, and the red light, which has been moved to the outer end of the extension, is situated at a distance of $2\frac{1}{10}$ miles, N. 70° E., from Point Fermin Lighthouse.

2. Depth on bar :

Details.—The least depth on the bar and in the dredged channel leading to San Pedro is 20 feet.

Variation.— 14° E.

Chart affected.—No. 1082, Wilmington and San Pedro Harbours.

Publications.—List of Lights, Part VII, 1909, page 59; Sailing Directions for the West Coasts of Central America and the United States, 1907, page 343.

Authority.—Recent United States Government Chart; and United States Hydrographic Bulletin No. 1018, dated 3rd March, 1909.

No. 489.—UNITED STATES, PACIFIC
COAST—OREGON.

*Cape Gregory Light—Intended Alteration in
Character.*

Subject.—On or about the 1st July, 1909, the fixed and flashing white light shown from the lighthouse on Cape Gregory will be discontinued, and a light of the undermentioned character will be exhibited from a new structure erected on the point.

Position.—At a distance of $1\frac{1}{2}$ cables, S. 45° E., from the present lighthouse; lat. $43^{\circ} 20\frac{1}{2}'$ N., long. $124^{\circ} 22\frac{1}{2}'$ W., on Chart No. 2531.

Character.—Group flashing white light, showing a group of three flashes every twenty seconds, thus: flash, eclipse, 4 seconds; flash, eclipse, 4 seconds; flash, eclipse, 12 seconds.

Elevation.—86 feet.

Visibility.—15 miles, from the bearing N. 15° E., through east and south, to S. 49° W.

Structure.—Octagonal lantern on white octagonal tower rising from the southern side of the fog-signal station, a white one-story building.

Order.—4th.

Fog-signal.—On the same date, the fog-trumpet at the present lighthouse will be discontinued and replaced by a fog-siren, worked by compressed air, established in the new fog-signal building. The siren will give two blasts every minute, thus: blast, 5 seconds, silent interval, 12 seconds; blast, 3 seconds, silent interval, 40 seconds.

Note.—The position of this light given on the plan of Coos River entrance, Chart No. 2531, should be altered to lat. $43^{\circ} 20' 27''$ N., long. $124^{\circ} 22' 26''$ W.

Variation.— 20° E.

Charts affected.—No. 2531, Cape Mendocino to Vancouver Island, with plan; No. 3123, Cape Blanco to Yaquina River; No. 787, Cape Corrientes to Kadiak Island.

Publications.—List of Lights, Part VII, 1909, No. 505; Sailing Directions for the West Coasts of Central America and the United States, 1907, page 473.

Authority.—United States Commerce Notice, No. 677 of 1909.