

Charts affected.—No. 3164, Barrow Harbour ; No. 2010, Morecambe Bay.

Authority.—Furness Railway Company, 30th April, 1909.

No. 640.—BRAZIL, SOUTH-EAST COAST—
RIVER SAO FRANCISCO.

Samidoro Point—Light Established.

Subject.—A light of the undermentioned character has been established on Samidoro Point, River Saõ Francisco.

Position.—Lat. $26^{\circ} 10\frac{1}{2}'$ S., long. $48^{\circ} 34'$ W., on Chart No. 550.

Character.—Fixed white.

Elevation.—30 feet.

Visibility.—8 miles, from the bearing S. 78° W., through south and east, to N. 55° E.

Structure.—Iron column, 27 feet in height.

Remarks.—“Position approximate” has been placed against this light on the chart.

Variation.— 3° W.

Charts affected.—No. 550, Entrance of the River Saõ Francisco; No. 3326, Bom Abrigo Island to Arvoredo Island; No. 530, Victoria to Santa Catharina.

Publications.—List of Lights, Part VII, 1909, No. 140; South America Pilot, Part I, 1902, page 221; Revised Supplement, 1908.

Authority.—Brazilian List of Lights, 1908.

No. 641.—JAPAN—YEZO, WEST COAST.

Otaru Bay—Light-Buoy Established.

Subject.—On the 1st April, 1909, a buoy of the undermentioned description would be temporarily established to mark the outer end of the rubble foundation of the breakwater under construction, extending in a N. 12° W. direction from a position near Hiraiso Point, southern shore of Otaru Bay.

Position.—Hiraiso Point, lat. $43^{\circ} 11'$ N., long. $141^{\circ} 2'$ E.

Description.—Truncated pyramidal light-buoy, painted red, with spherical topmark, exhibiting two fixed red lights.

Remarks.—The buoy will be moved seaward as the work progresses.

Charts affected.—No. 993, Plan of Otaru Ko; No. 2981, Furubira Wan to Aikappu Misaki.

Publication.—Sailing Directions for Japan, &c., 1904, page 711.

Authority.—Tokyo Notice, No. 1321, dated 4th March, 1909.

No. 642.—KOREA, SOUTH-WEST COAST—
CHANJIKU CHANNEL.

*Won Do (Hacho To)—Light and Fog-Signal
Established.*

Subject.—On the 20th February, 1909, a light of the undermentioned character and a fog-signal

would be established on Won Do (Hacho To), Chanjiku Channel.

Position.—On north-east extreme of island; lat. $34^{\circ} 18' 39''$ N., long. $126^{\circ} 5' 20''$ E., on chart No. 3365.

(a) Light:

Character.—Flashing white light every ten seconds.

Elevation.—152 feet.

Visibility.—18 miles, from the bearing S. 46° E., through south and west, to N. 20° W.

Structure.—Cylindrical concrete tower, painted white, 40 feet in height from base to centre of lantern.

(b) Fog-signal:

Description.—Fog-siren, worked by compressed air, giving a blast of five seconds' duration every fifty-five seconds, thus:—Blast, 5 seconds; silent interval, 50 seconds.

Variation.— 4° W.

Charts affected.—No. 3365, Port Hamilton to Mackau Group; No. 104, Korean Archipelago, south portion; No. 3480, Shantung Promontory to Nagasaki; No. 2347, Nipon, Kiusiu, Shikoku, &c.; No. 1262, Hong Kong to Gulf of Liau Tung.

Publications.—List of Lights, Part VI, 1909, page 201; Sailing Directions for Japan, Korea, &c., 1904, page 83.

Authority.—Tokyo Notice No. 1319, dated 4th March, 1909.

No. 643.—JAPAN—NAIKAI (INLAND SEA).

Marugame—Wreck Northward of.

Subject.—A wreck lies sunk to the northward of Marugame, Inland Sea.

Position.—Summit of Kamima Shima, bearing S. 17° E., distant $1\frac{3}{8}$ miles, and summit of Shimoma Shima, S. 20° W.; lat. $34^{\circ} 19\frac{1}{2}'$ N., long. $133^{\circ} 46'$ E.

Description.—Wreck of a small sailing vessel.

Variation.— 5° W.

Charts affected.—No. 128, Channels between Bingo Nada and Ozuchi Jima; No. 2875, Naikai.

Publication.—Sailing Directions for Japan, &c., 1904, page 452.

Authority.—Tokyo Notice, No. 1323, dated 4th March, 1909.

No. 644.—CHILE—MAGELLAN STRAIT.

Great Orange Bank and Triton Bank Light-Buoys—Amended Details.

Subject.—Further details have been received with regard to the two light-buoys recently established in Magellan Strait, as undermentioned.

(a) Great Orange Bank Light-buoy:

Position.—On north extreme of Great Orange Bank, about half a cable south-eastward from the black can buoy; lat. $52^{\circ} 23' 42''$ S., long. $69^{\circ} 8' 35''$ W., on Chart No. 1336.

Character of light.—Flashing white light every fifteen seconds, thus: Flash, 5 seconds; eclipse, 10 seconds.

(b) Triton Bank Light-buoy:

Position.—On south-western edge of Triton Bank, about 2 cables south-eastward from the