

(6. 66° E.), distant  $10\frac{6}{10}$  miles; and Ras Oswawembe N.E. by E.  $\frac{1}{2}$  E. (N. 58° E.).

Approximate position, lat. 6° 6' 30" S., long. 38° 57' 40" E.

4. Fungu Miko.—A white spar buoy, with the word "Miko" on it in black letters, and surmounted by two black triangles, points away from each other, has been placed in a depth of about 14 fathoms at the eastern end of Fungu Miko, with Ras Windi bearing N.W. by W.  $\frac{3}{4}$  W. (N. 61° W.), distant  $7\frac{1}{10}$  miles; and Ras Nunge S.W.  $\frac{3}{4}$  S. (S. 36° W.).

Approximate position, lat. 6° 15' 45" S., long. 38° 58' 30" E.

5. Bagamoyo Approach.—The buoy marking the north end of Kebañdahodi is a white spar buoy, with the word "Bagamoyo" on it in black letters, and surmounted by two black triangles, points upwards.

Approximate position, lat. 6° 24' 40" S., long. 38° 57' 15" E.

6. Mafia Channel.—A black conical buoy, with "1-Mafia" on it in white letters, has been placed in a depth of 12 fathoms, off the north-west extreme of the reefs surrounding Niororo Island, with Niororo Island north point bearing S.S.E. (S. 22° E.), distant  $1\frac{1}{10}$ ; and south point of Koma Island W. by N.  $\frac{3}{4}$  N. (N. 70° W.).

Approximate position, lat. 7° 35' 45" S., long. 39° 40' 45" E.

7. Fili.—A red spar buoy, with "A-Mafia" on it in white letters, and surmounted by a white "A," has been placed in a depth of about 11 fathoms on the eastern side of Fili, with Niororo Tree bearing N.E. by E. (N. 56° E.), distant  $4\frac{2}{10}$  miles; and Shungu Mbili Island S.E. (S. 45° E.).

Approximate position, lat. 7° 40' S., long. 39° 38' 30" E.

8. Wumi.—A red spar buoy, with "B-Mafia" on it in white letters, and surmounted by a white "B," has been placed in a depth of about eight fathoms on the eastern side of Wumi, with Shungu Mbili east extreme bearing E. by N.  $\frac{1}{2}$  N. (N. 73° E.), distant  $5\frac{1}{2}$  miles; and Ras Mbisi S.E. (S. 45° E.).

Approximate position, lat. 7° 45' S., long. 39° 36' 15" E.

9. Salim Bank.—A black conical buoy, with "2-Mafia" on it in white letters, has been placed in a depth of about five fathoms at the north-west extreme of Salim Bank, with White House on Mafia bearing S.E.  $\frac{3}{4}$  E. (S. 53° E.), distant  $5\frac{9}{10}$  miles; and Ras Kisimani S. by W.  $\frac{1}{4}$  W. (S. 14° W.).

Approximate position, lat. 7° 50' 30" S., long. 39° 36' E.

10. Al Hadjiri.—A black conical buoy, with "3-Mafia" on it in white letters, has been placed in a depth of about  $7\frac{1}{2}$  fathoms on the west side of Al Hadjiri, with White House on Mafia bearing E. by S. (S. 79° E.), distant  $6\frac{7}{10}$  miles; and Ras Kisimani S.  $\frac{1}{4}$  E. (S. 3° E.).

Approximate position, lat. 7° 53' S., long. 39° 34' 45" E.

11. Ras Kisimani.—A black conical buoy, with "4-Mafia" on it in white letters, has been placed in a depth of about 11 fathoms, at the western edge of the shoal ground southward of Ras Kisimani with Ras Kisimani bearing N.  $\frac{1}{2}$  E. (N. 5° E.), distant  $2\frac{4}{10}$  miles; and south extreme of Mafia Island E. by S.  $\frac{1}{2}$  S. (S. 73° E.).

Approximate position, lat. 7° 59' S., long. 39° 35' 45" E.

12. Fungu Marima.—A red spar buoy, with "C-Mafia" on it in white letters, and surmounted by a white C, has been placed in a depth of about 6 fathoms, at the south-east extreme of Fungu

Marima, with Ras Kisimani bearing N.N.E.  $\frac{3}{4}$  E. (N. 31° E.), distant  $8\frac{1}{2}$  miles; and Chechura village W.N.W. (N. 67° W.).

Approximate position, lat. 8° 5' S., long. 39° 32' 30" E.

[Variation 10° Westerly in 1893.]

This Notice affects the following Admiralty Charts:—Zanzibar to Malindi, No. 664 (1-5); Pangani to Ras Kimbiji, &c., northern sheet, No. 640b (1, 2, 3); southern sheet, No. 640a (4, 5); Kilwa Point to Zanzibar Channel, No. 662 (6-12); Mafia Island and Channels, No. 458 (6-12); Channels between Ras Tikwiri and Mafia Island, No. 1032 (11, 12); also, Africa Pilot, Part III, 1889, pages 357, 354, 351, 350, 347, 322, 319, 318, 317; and Revised Supplement, 1892, relating to Africa Pilot, Part III, pages 50, 51, 52.

#### No. 577.—CHANNEL AND WESTERN AND ALL FOREIGN STATIONS.

FRANCE—WEST COAST.

*Ile d'Yeu—Intended Experimental Light on Les Chiens Perrins.*

THE French Government has given notice, dated 28th October, 1893, that a light, not to be constantly watched, will shortly be experimentally exhibited from a lighthouse erected on Les Chiens Perrins, on the north-western side of Ile D'Yeu:—

Les Chiens Perrins Light will be a fixed light, showing white from S. 37° W., through south and east, to N. 7° E.; and green from N. 7° E. to N. 13° W.; it will be elevated 50 feet above high water.

Approximate position, lat. 46° 43 $\frac{3}{4}$ ' N., long. 2° 24 $\frac{1}{2}$ ' W.

Further notice will be given if the light is permanently exhibited.

[Variation 17° Westerly in 1893.]

This Notice affects the following Admiralty Chart:—Bay of Biscay, No. 1104; Les Sables D'Lonne to Bourgneuf, No. 2647. Also, List of Lights, Part III, 1893, page 58; and Sailing Directions for the West Coasts of France, Spain, and Portugal, 1891, page 100.

#### No. 578.—ALL STATIONS.

ENGLAND—SOUTH COAST.

*Portland Harbour—Intended Alteration in Light on Extremity of Breakwater.*

NOTICE is given that, about May, 1894, a flashing light of increased power will be substituted for the fixed red light now shown from the extremity of Portland Breakwater.

Portland Breakwater Light will be a flashing red light every five seconds, thus:—Flash, one second, darkness, four seconds.

Approximate position, lat. 50° 35' 5" N., long. 2° 24' 40" W.

Further notice will be given when this light has been established.

This Notice affects the following Admiralty Charts:—English Channel, Nos. 1598, 2675b; Portland to Owers, No. 2450; Weymouth and Portland, No. 2255; Portland Harbour, No. 2268. Also, List of Lights, Part I, 1893, No. 33; and Channel Pilot, Part I, 1893, page 187.

#### No. 579.—SOUTH-EAST AMERICA STATION.

SOUTH AMERICA—EAST COAST.—BRAZIL.

*Pernambuco Roads—Withdrawal of Buoys.*

INFORMATION has been received, dated 3rd October, 1893, that all the buoys in Pernambuco Roads have been withdrawn; and that vessels are not allowed to enter the port, or to carry on any loading or discharging of cargo, after sunset.