

7. A dangerous rock with 3 fathoms on it, lies directly in the track of vessels passing through Jack Sound, to or from Milford Haven, it lies nearly $\frac{1}{4}$ mile W. by S. $\frac{1}{2}$ S. from the Bench rocks, with the outer point of Gateholm Island, bearing S.E. by S. 1,733 yards distant.

8. A rock also lies off Long point, bearing W.N.W. $\frac{1}{4}$ N., three quarters of a mile distant, with $4\frac{1}{2}$ fathoms on it, the outer part of Gateholm Island, bearing N. by W. $\frac{1}{4}$ W.

[All bearings magnetic. Var. $24^{\circ} 40'$ W. in 1857, decreasing $6'$ annually.]

By Command of their Lordships.

John Washington, Hydrographer.

Hydrographic Office, Admiralty, London,
17th August, 1857.

This notice affects the following Admiralty Charts:—Irish Channel, No. 1824; Bristol Channel to New Quay, No. 1410, Jack Sound, No. 37.

NOTICE TO MARINERS.

(No. 27.) **MEDITERRANEAN, BLACK AND RED SEAS.**

Variation of the Compass, 1857.

THE following information respecting the Variation of the Compass in the Mediterranean, Black and Red Seas, is made public in order to apprise mariners of the gradual decrease in the variation, which in many places, since the commencement of the present century, has amounted to more than half a point.

The average rate of annual decrease at the present time appears to be about $3'$ at the western limits of the Mediterranean, $5'$ in the central portion, $6'$ in the eastern limits and the Black Sea, and about $7'$ in the Red Sea:—

Spain, France, and Italy.

Gibraltar	- - - -	20 ° W.
Cape de Gat	- - - -	19 ° „
Cape Antonio and Tarragona	- - - -	18 $\frac{1}{2}$ ° „
Barcelona and Cape Creux	- - - -	18 ° „
Marseille and Toulon	- - - -	17 ° „
Genoa	- - - -	15 $\frac{1}{2}$ ° „
Leghorn	- - - -	15 ° „
Naples	- - - -	13 $\frac{1}{4}$ ° „
Cape Spartivento	- - - -	12 $\frac{1}{2}$ ° „
Gulf of Taranto	- - - -	12 ° „

Principal Islands.

Port Mahon (Minorca)	- - - -	17 ° W.
Corsica and Sardinia	- - - -	15 $\frac{1}{2}$ ° „
Pantellaria, and West Coasts of Sicily	- - - -	14 ° „
Malta	- - - -	13 $\frac{1}{4}$ ° „
East Coasts of Sicily	- - - -	12 $\frac{3}{4}$ ° „
Ionian Islands	- - - -	10 $\frac{1}{2}$ ° „

North Coast of Africa.

Cape Spartel	- - - -	20 ° W.
Cape Ferrat	- - - -	18 ° „
Algiers	- - - -	17 $\frac{1}{4}$ ° „
Cape Serrat and Galita Island	- - - -	15 $\frac{1}{4}$ ° „
Cape Bon and Skerki Shoals	- - - -	14 $\frac{1}{2}$ ° „
Tripoli	- - - -	13 $\frac{3}{4}$ ° „
Ben Ghazi	- - - -	11 ° „
Bombah	- - - -	9 $\frac{3}{4}$ ° „
Alexandria	- - - -	7 $\frac{1}{4}$ ° „

Coasts of Greece, &c.

Corinth and Cerigo Island	- - - -	9 $\frac{1}{2}$ ° W.
Athens	- - - -	9 $\frac{1}{4}$ ° „
Archipelago in general	from 9° to 8° W.	

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Coasts of Asia Minor.

Dardanelles and Smyrna	- - - -	8 ° W.
Alaya in Karamania and West end of	- - - -	} 5 $\frac{1}{2}$ ° „
Cyprus Island	- - - -	
Iskanderun Gulf	- - - -	4 ° „
Acre	- - - -	5 ° „

Black Sea.

Entrance to Bosphorus and Constanti-	- - - -	} 7 ° W.
nople	- - - -	
Mouths of Danube	- - - -	6 $\frac{1}{2}$ ° „
Odessa	- - - -	6 ° „
West Coasts of Krimea	- - - -	5 ° „
Kertch Strait	- - - -	3 $\frac{1}{2}$ ° „
Eastern or Circassian Coast	- - - -	2 $\frac{1}{2}$ ° „
Sinope	- - - -	4 ° „

Red Sea.

Suez	- - - -	6 ° W.
Kosseir	- - - -	5 $\frac{1}{2}$ ° „
Seberget Island	- - - -	4 $\frac{1}{2}$ ° „
Jibbel Teer	- - - -	4 ° „
Perim Island	- - - -	4 $\frac{1}{4}$ ° „
Aden	- - - -	2 $\frac{3}{4}$ ° „

By command of their Lordships,

John Washington, Hydrographer.

Hydrographic Office, Admiralty, London,
19th August, 1857

NOTICE TO MARINERS.

(No. 28.) **HARBOUR LIGHT, SANTA CRUZ.—TENERIFE.**

Red Light on Mole Head.

THE Spanish Government has given notice, that on the 1st of July last a fixed red light was established on the outer extreme of the Mole at Santa Cruz, Tenerife.

The light is $21\frac{1}{2}$ feet above the level of high water, and is visible at the distance of 4 miles.

As soon as the light is shown, all others on the Mole are screened.

Masters of vessels approaching the anchorage from the southward are informed that the light bears S.W. from it, and they are cautioned to keep it well open on the port hand, and to be careful of nearing the shore to the southward of the Mole within a depth of 25 fathoms, in order to avoid some sunken rocks recently reported there: Spring tides rise $8\frac{1}{2}$ feet, neaps 6 feet.

[Variations in 1857, 21° W.]

By Command of their Lordships,

John Washington, Hydrographer.

Hydrographic Office, Admiralty, London,
28th August, 1857.

This notice affects the following Admiralty Charts:—Africa, General, Sheet 1, No. 1226; Tenerife Island, No. 1870; Santa Cruz Port, 1856; Spanish Light Book, No. 218*.

NOTICE TO MARINERS.

(No. 29.) **IRELAND—WEST COAST.**

Lights on the Arran Islands.

THE Port of Dublin Corporation has given notice that two new lighthouses have been erected on the Arran Islands, off the west coast of the county of Galway, from which lights will be exhibited on the night of the 1st of December, 1857, and thenceforth will be lighted every night from sunset to sunrise.

Arran Islands North Lighthouse is built on Eragh or Ruck Island, the outermost of the chain,