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DIAGRAM OF A DISCOVERY WITH RESPECT TO MAGNETISM.

BY CAPTAIN NOLLOTH, R.N.

Captain NOLLOTH, R.N., exhibited and explained the annexed Diagram, showing the deviations of the standard compasses of eleven of H.M. ships when last swung; the amount of east, or west, deviation observed at each compass-direction of the ships' heads being marked on the point of the compass accordingly.

It appears that, by this method of graphical delineation, a convenient means is afforded of comparing various forms of deviation curves, and of considering them in connexion with the circumstances of magnetic influence under which they respectively occur.

It is also suggested that, in practice, vessels may find this mode of marking (effaceably) the compass card more convenient than reference to a table of figures.

No. in Diagram.	Ships' Names.	Guns.	Tons.	H.P.	—
I.	Trident . . .	6	850	450	Paddle steam-vessel (iron —wooden beams)
II.	Ajax . . .	60	1761	450	Screw steamer, guard-ship
III.	Adventure . . .	2	1965	400	Screw steamer, store-ship
IV.	Retribution . . .	28	1641	400	Paddle-wheel steam-frigate
V.	Conqueror . . .	101	3265	800	Screw steam-ship
VI.	Thunder . . .	14	1469	150	Screw floating battery (iron)
VII.	Blenheim . . .	58	1838	450	Screw steamer, guard-ship
VIII.	Pearl . . .	21	1466	400	Screw steam-corrètte
IX.	Amethyst . . .	26	923	—	Sailing-vessel
X.	Vulcan . . .	6	350	800	Screw steamer, store-ship (iron)
XI.	Victoria and Albert	2 (brass.)	2342	600	Screw steam-yacht

EXAMPLES.

Head by Compass.	Ships.	Deviation.
N.E. by E.	Conqueror . . .	10 50 E.
	Vulcan . . .	0 0
	Trident . . .	19 30 E.
	Blenheim . . .	9 0 E.
W. by N.	Conqueror . . .	5 30 W.
	Vulcan . . .	4 20 E.
	Trident . . .	23 20 W.
	Blenheim . . .	12 40 W.

(The ticked lines in diagram denote east, and the full lines west, deviation.)