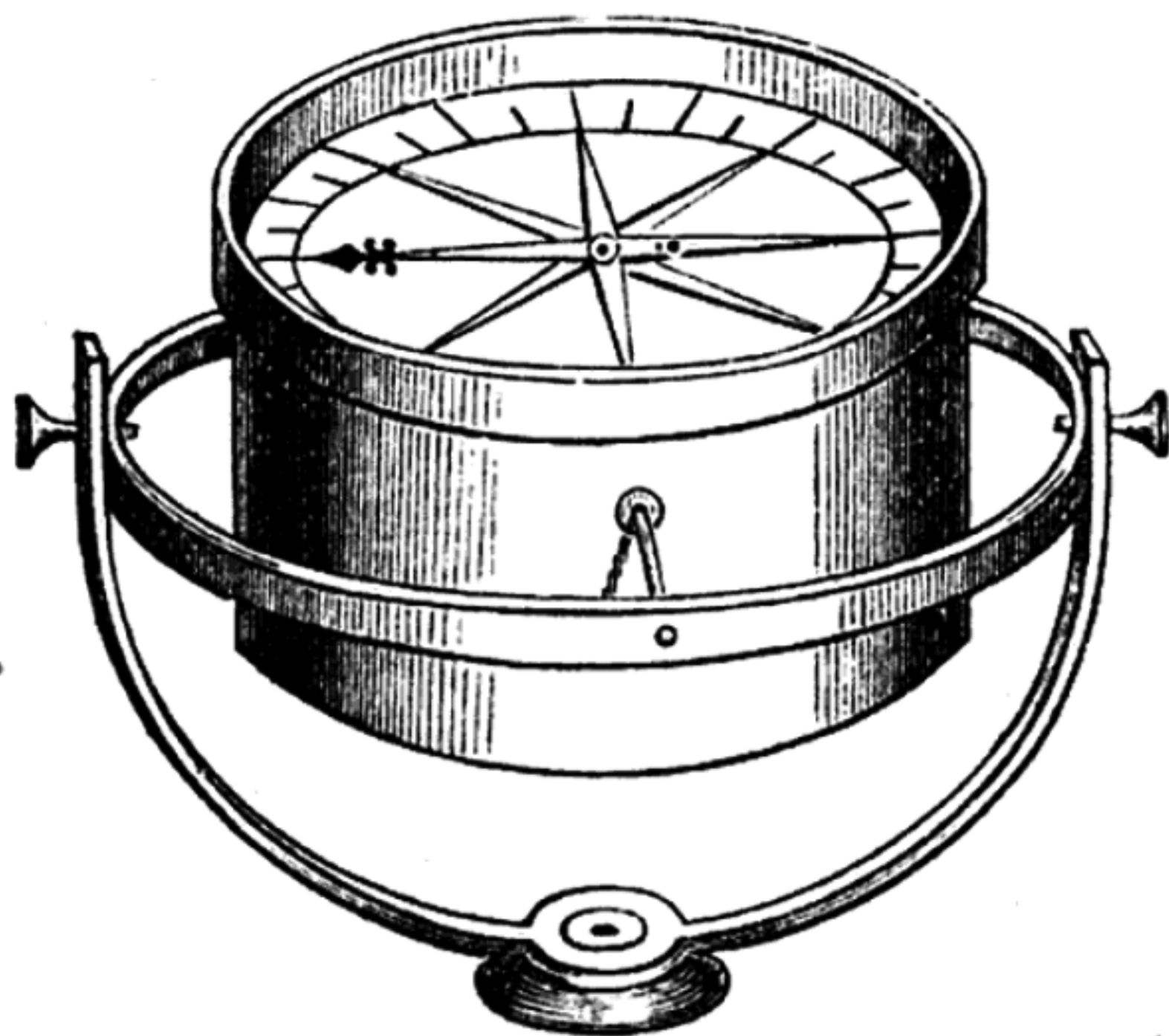


practical purposes ; but for scientific enquiry recourse must be had to a much more refined instrument called Gauss's magnetometer.

22. The Mariner's Compass can also be used as a declinometer.

Fig. 5.



It consists of a magnetised needle turning horizontally on a hard smooth pivot, which, in the Royal Navy, is of iridium ore, and enclosed within a shallow box with a glass cover. To this

needle and above it is attached a card, on which are marked the cardinal points at the four quadrants, the needle being placed so that its axis