No. 759,759. PATENTED MAY 10, 1904.

M. SHEPARD & T. S. WIMPENNEY.

MOORING ANCHOR.

APPLICATION FILED APR. 14, 1903. RENEWED APR. 7, 1904.

NO MODEL.

Fig. 1.

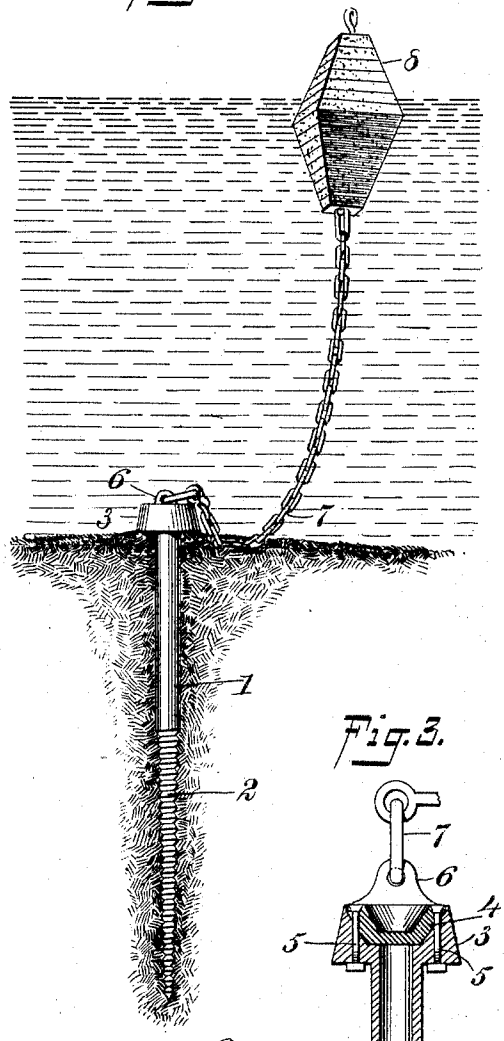


Fig. 2.

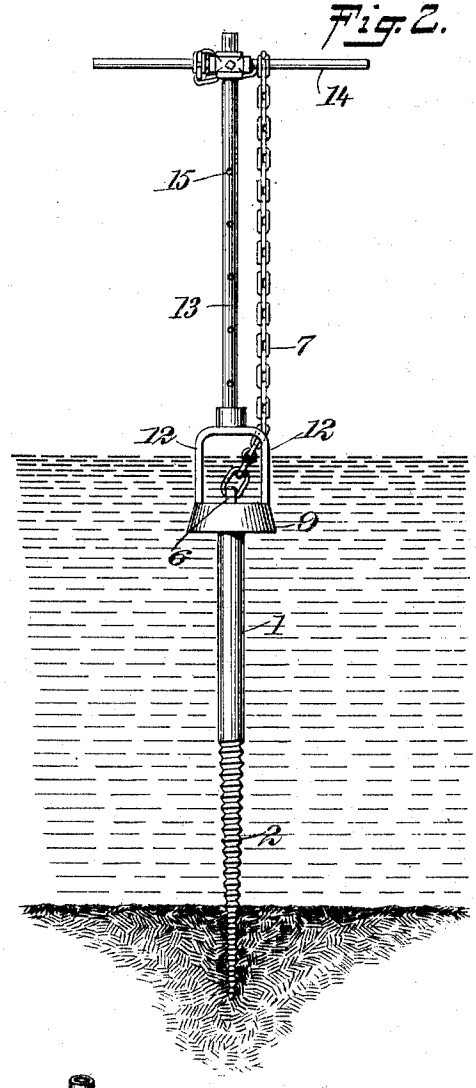


Fig. 3.

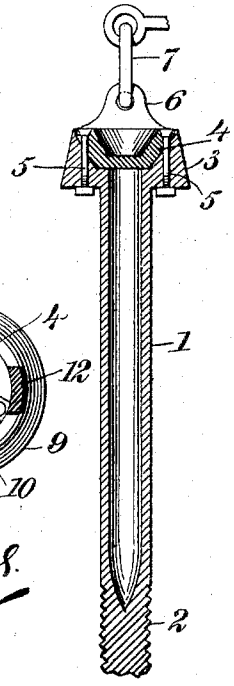


Fig. 4.

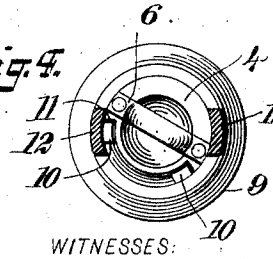
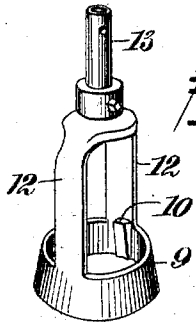


Fig. 5.



WITNESSES:

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No. 759,759. Patented May 10, 1904.

UNITED STATES PATENT OFFICE.

MARSHALL SHEPARD AND THEODORE SEDGEWICK WIMPENNEY, OF EDGARTOWN, MASSACHUSETTS.

MOORING-ANCHOR.

SPECIFICATION forming part of Letters Patent No. 759,759, dated May 10, 1904.

Application filed April 14, 1903. Renewed April 7, 1904. Serial No. 202,078. (No model.)

To all whom it may concern:

Be it known that we, MARSHALL SHEPARD and THEODORE SEDGEWICK WIMPENNEY, citizens of the United States, and residents of Edgartown, in the county of Dukes and State of Massachusetts, have invented a new and Improved Mooring-Anchor, of which the following is a full, clear, and exact description.

This invention relates to improvements in mooring-anchors for vessels, an object being to provide a mooring-anchor of simple construction that may be readily set in a water-bed or taken from the water-bed at any time and that will be practically impossible to draw out by the strain or pull of a vessel attached thereto.

We will describe a mooring-anchor embodying our invention and then point out the novel features in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is an elevation of a mooring-anchor embodying our invention and showing the same in position. Fig. 2 is an elevation illustrating a means for placing the anchor. Fig. 3 is a longitudinal section of the upper portion of the anchor. Fig. 4 is a top view, and Fig. 5 indicates a tool that may be employed for placing the anchor.

The anchor comprises a shank 1, designed to be forced into the ground or bed of the water. The lower portion of the shank is screw-threaded, as at 2, so that by turning the anchor it will readily feed into the ground. The upper portion of the shank is tubular, thus making the device comparatively light to handle, and yet giving it sufficient strength. At the upper end of the shank is an annular flange or head 3, the interior of which, as here shown, is cup-shaped to receive a correspondingly-shaped closure 4, the closure being held in place by means of bolts 5, passing through said closure and through the head 3. On the closure 4 is a bail 6, to which the cable 7 is attached, the upper end of said cable being secured to a float 8. As a means for turning the anchor-shank into the ground I employ a tool consisting of a ring or collar 9, having lugs 10 on its inner side for engaging in channels 11, formed in the periphery of the head 3. This ring or collar 9 is connected by means of arms 12 with a tubular rod 13, on which arms or levers 14 are adjustably mounted. The arms 14 extend from a collar which receives the rod 13, and a bolt passing through said collar may engage in any one of a series of perforations 15, formed in the rod. By making the arms 14 adjustable it is obvious that they may be moved upward to convenient position as the anchor is forced into the ground. In placing the anchor-shank in the ground the lugs 10 are to be engaged in the channels 11 and the cable 7 carried up and turned once or twice around the arms 14, and thus the inserting-tool and anchor will be held together while turning the anchor into the ground. Of course after inserting the shank to the desired depth the chain is to be released from the inserting-tool and attached to the float.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

A mooring-anchor comprising a shank, tubular at its upper portion and threaded below the tubular portion, a cup-shaped annular flange on the upper end of the shank, a closure for said cup-shaped flange, bolts passing through the closure and flange, and means on the closure for engaging a chain.

In testimony whereof we have signed our names to this specification in the presence of the subscribing witnesses.

MARSHALL SHEPARD.
THEODORE SEDGEWICK WIMPENNEY.

Witnesses to the signature of Marshall Shepard:

F. W. HANAFORD,
EVERARD BOLTON MARSHALL.

Witnesses to the signature of Theodore S. Wimpenney:

H. S. WIMPENNEY, 2d,
JOHN E. WHITE.