R. T. WINDLE.

ANCHOR.

APPLICATION FILED JULY 12, 1919.

1,356,481. Patented Oct. 19, 1920.

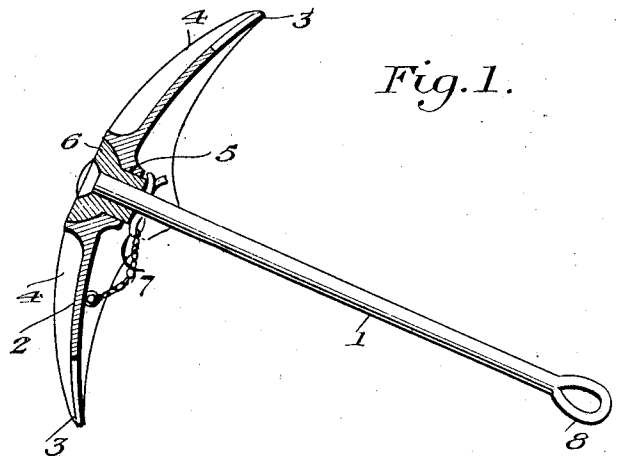


Fig. 1.

Fig. 2.

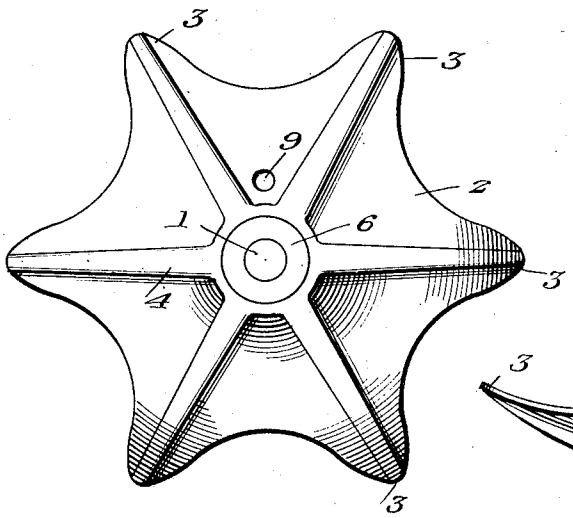
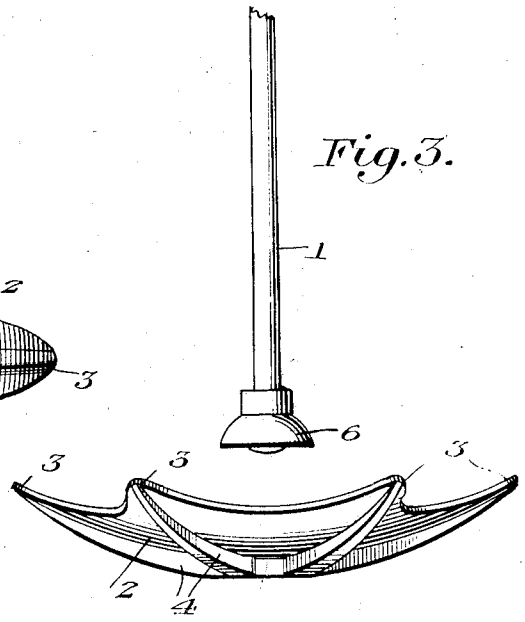


Fig. 3.



Witnesses

Fred. Ackmann Jr.

Inventor

R. T. Windle

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

RANDOLPH T. WINDLE, OF NEW YORK, N. Y.

ANCHOR.

1,356,481. Specification of Letters Patent. Patented Oct. 19, 1920.

Application filed July 12, 1919. Serial No. 310,342.

To whom it may concern:

Be it known that I, RANDOLPH T. WINDLE, a citizen of United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Anchors, of which the following is a specification.

This invention relates to improvements in anchors and one of the objects of the invention is to swivel the head to the shank so as to prevent the cable from becoming wrapped around the anchor due to the movement of the ship.

Another object of the invention is to provide means whereby the head of the anchor may be connected with a cable so that the stem may be raised first.

Still another object of the invention is to provide means for detachably connecting the head with the shank so that the anchor will occupy but little space when not in use.

The invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is an elevation of the anchor with parts in section;

Fig. 2 is an end view of the same;

Fig. 3 is a view of the parts of the anchor detached from each other.

In these views 1 indicates the shank of the anchor and 2 indicates the head thereof. This head is of convexo-concave shape and provided with a number of star-shaped points 3 which constitute the flukes. The head is also strengthened by the ribs 4 formed on both faces of the head with those on the inner face being of greater depth than those on the outer. The head is provided with a central opening 5 which has a flaring outer portion and a cylindrical inner portion, as shown. A bushing 6 fits within this opening and this bushing is also provided with a flaring portion to engage the flaring portion of the opening and with a cylindrical portion to engage the cylindrical portion of said opening. This bushing is detachably connected to the end of the shank by means of an enlarged part formed on the end of the shank and the pin 7 passing through a hole in the shank. The free end of the shank is provided with an eye 8 for receiving the cable and the head is provided with a hole 9 for receiving a cable so that the anchor will be inverted and thus more easily raised. By having the head swiveled to the shank, the cable will not foul the anchor due to the shifting of the position of the boat by the tides and winds. By making the shank detachable from the head, the anchor will occupy but the minimum amount of space when not in use.

What I claim is:—

An anchor of the class described comprising a shank having an eye at one end and an enlarged head at the other end, a bushing carried by the head end of the shank, said bushing being formed with a cylindrical part and a flaring part, an anchor head of convexo-concave shape and having an opening formed with the cylinder part and the flaring part to receive the bushing, said anchor head having interior and exterior radially extending ribs with the webs between the ribs provided with concave edges for forming points at the outer ends of the ribs, one of said webs having an opening therein to receive a hoisting cable.

RANDOLPH T. WINDLE.