

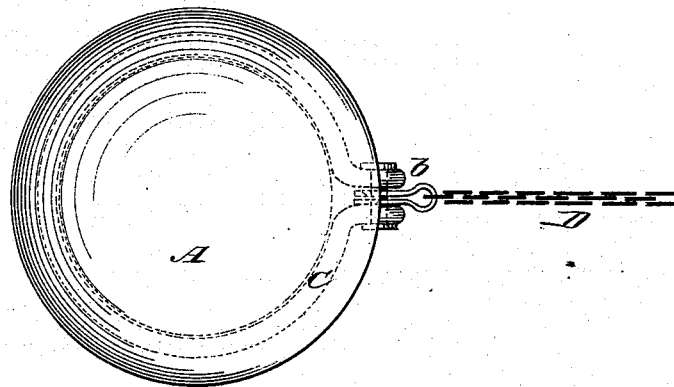
(Model.)

A. A. GOLDSMITH.  
MUSHROOM ANCHOR.

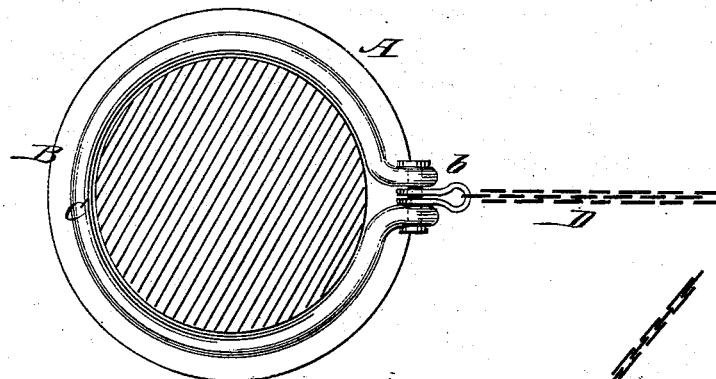
No. 261,334.

Patented July 18, 1882.

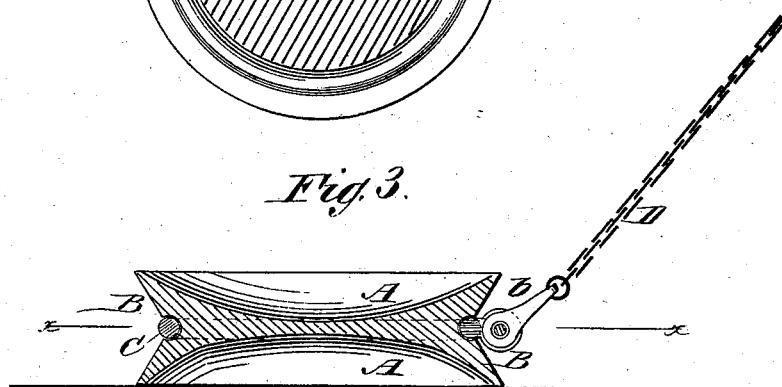
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

*Francis McAnis.*  
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# UNITED STATES PATENT OFFICE.

ABRAM A. GOLDSMITH, OF CHARLESTON, SOUTH CAROLINA.

## MUSHROOM-ANCHOR.

SPECIFICATION forming part of Letters Patent No. 261,334, dated July 18, 1882.

Application filed April 15, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, ABRAM A. GOLDSMITH, of Charleston, in the county of Charleston and State of South Carolina, have invented a new and useful Improvement in Anchors, of which the following is a full, clear, and exact description.

This invention relates to what are known, from their peculiar shape, as "mushroom-anchors," and which present a circular concave face that, when strain is on the anchor to drag it, exerts a sucking action, which, in addition to the weight of the anchor, operates to hold the vessel. My invention so far resembles this style of anchor by having the same sucker-like action; but it differs from the ordinary mushroom-anchor by being of a duplex character—that is, it has circular concave faces on its opposite sides, thus making it a double sucker. It also has its peripheral sides or portion V-grooved or concave, thereby giving an additional sucking-surface, and instead of the anchor-chain being attached to its top in an axial line with its face, said chain is fastened to a loose band arranged to encircle the peripheral portion of the anchor, whereby the chain is free to play with the tide without hauling the anchor around or fouling the chain.

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

Figure 1 represents a face view of my improved anchor; Fig. 2, a section taken immediately of its opposite faces on the line *x x* in Fig. 3, and Fig. 3 is a transverse section in a plane at right angles to Fig. 2.

In the drawings, A A indicate the opposite

concave faces or suckers of the anchor, which is of circular configuration, and B B are the V-shaped or concave peripheral sides of the same.

C is the loose band, arranged to lie within and encircle the peripheral portion of the anchor, as and for the purposes hereinbefore described, said band being provided with a shackle, *b*, at its meeting ends for attachment of the anchor-chain D.

This anchor is more particularly designed for use in shallow streams; but it is also adapted for deep water. When used in shallow water its form will not only protect it, but also the vessel which is moored by it, from being injured should the said vessel settle on it.

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

1. A circular anchor having opposite concave faces, substantially as shown and described.
2. A circular anchor having opposite concave faces and of V-shaped or concave form on its periphery, essentially as specified.
3. In combination with a circular anchor, the loose encircling band for attachment of the anchor-chain, substantially as specified.
4. The combination of the circular anchor having opposite concave faces A A and a V-shaped or concave periphery, B B, with the loose anchor-chain band C, arranged to encircle said anchor within its concave periphery, essentially as shown and described.

ABRAM ALEXANDER GOLDSMITH.

Witnesses:

THEODORE NATHAN,  
HOWARD JACKSON.