

(No Model.)

C. H. EATON.
ANCHOR.

No. 477,745.

Patented June 28, 1892.

Fig. 1.

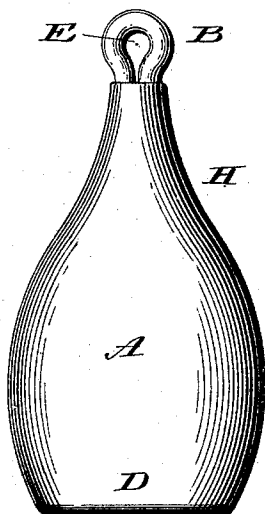


Fig. 2.

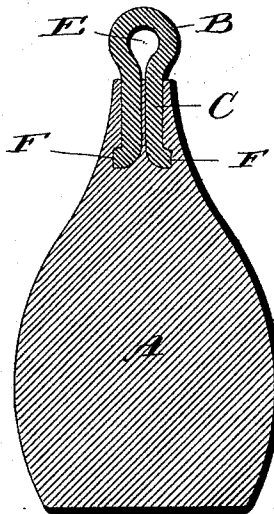


Fig. 4.

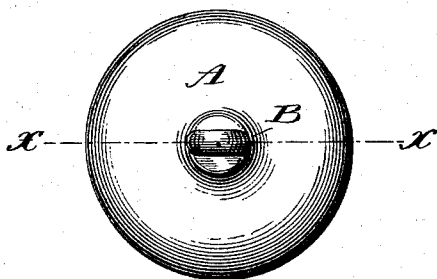
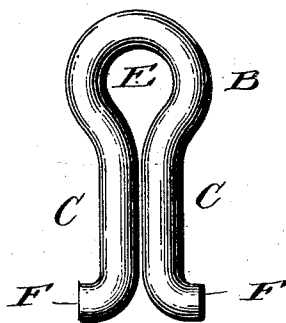


Fig. 3.



Witnesses:
L. C. Hills.
E. A. Bond.

Inventor:
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UNITED STATES PATENT OFFICE.

CHARLES H. EATON, OF BATAVIA, ILLINOIS.

ANCHOR.

SPECIFICATION forming part of Letters Patent No. 477,745, dated June 28, 1892.

Application filed April 16, 1891. Serial No. 389,238. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. EATON, a citizen of the United States, residing at Batavia, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Anchors; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

Figure 1 of the drawings represents an elevation of my improved anchor; Fig. 2, a sectional elevation taken on line *xx* of Fig. 4; Fig. 3, a detail view, on an enlarged scale, of the wire eye; Fig. 4, a top plan view of the anchor.

The present invention has for its object to provide an anchor of such shape that it will readily free itself from the grass, weeds, rushes, snags, and the like when the anchor is being elevated out of the water, there being no projections thereon that would tend to catch or hold onto such bodies, as above described, and render the anchor difficult to raise, and the peculiar shape of the anchor securing compactness and economy of space when in the boat, while in many respects it possesses material advantages over the anchors in common use. These several objects I attain by the construction substantially as shown in the drawings and hereinafter described and claimed.

In the accompanying drawings, A represents the anchor, of pear shape, which is constructed of suitable metal and has a flat bottom D, so as to form a better supporting-base when resting on the bottom of the river or other stream of water. The pear shape of the anchor renders it easily controlled and handled and conveniently and readily elevated to the boat, where it can be placed away in a comparatively small space without taking up unnecessary room or being in the way of the occupants of the boat, while its peculiar shape materially enhances its usefulness as an anchor.

As a means for connecting the rope or chain

to the anchor I provide an eye B, which is preferably of copper, so that when a rope is used there will be no danger of its rusting and weakening at the point where it is connected to the eye and comes in contact with the metal. The eye B is preferably constructed of wire bent upon itself to form an opening E, of sufficient size to admit the rope or chain, and the shank C is formed by the two wires coming together, thus providing increased strength where most required. The extremities of the wires extend outward to provide laterally-projecting ends F, and when the eye is thus bent in shape it is placed in the mold and the metal from which the anchor is to be made cast around it, thereby forming a very rigid and strong connection between the anchor and eye. From the point H to the upper end of the anchor there is a gradual taper, which renders the anchor more easily disengaged with any obstruction and raised out of the water.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A pear-shaped anchor having an eye connected thereto by casting the metal around it, the eye being of greater diameter than the adjacent end of the anchor to which it is attached, whereby no obstruction is presented, substantially as and for the purpose set forth.

2. The combination, with an anchor, of an eye constructed of wire bent, as shown, to form a double shank, and having laterally-extending ends, and connected to the anchor by casting the metal thereof around it while forming the anchor, the eye being of equal or greater diameter than the smaller end of the anchor and thus avoiding a flat surface or projection for the catching of articles, substantially as and for the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES H. EATON.

Witnesses:

JAMES O. MCCLELLAN,
CLAUDE L. EATON.