No. 651,724. Patented June 12, 1900.

A. S. PETERSON.

ANCHOR.

(Application filed Sept. 23, 1899.)

(No Model.)

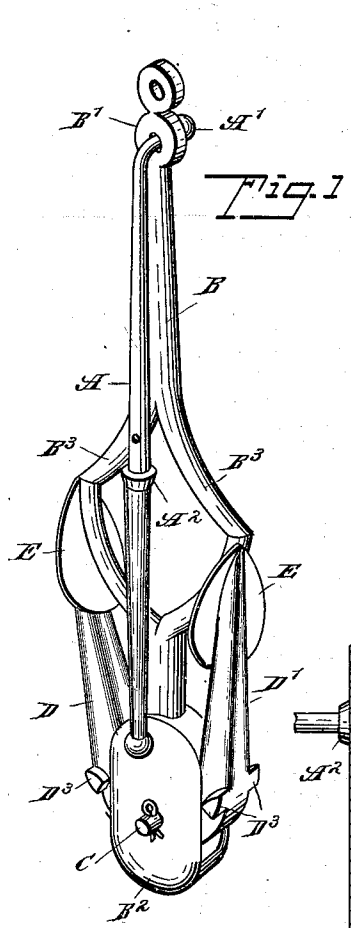


Fig. 1

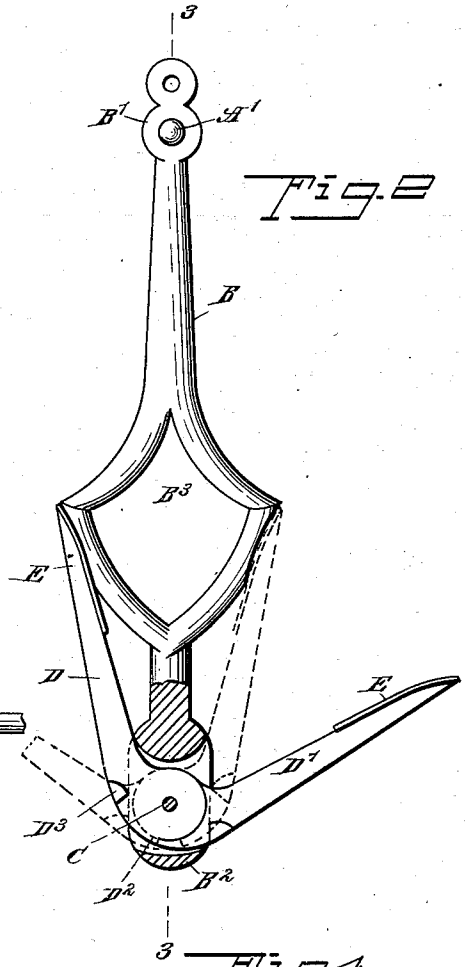


Fig. 2

Fig. 4

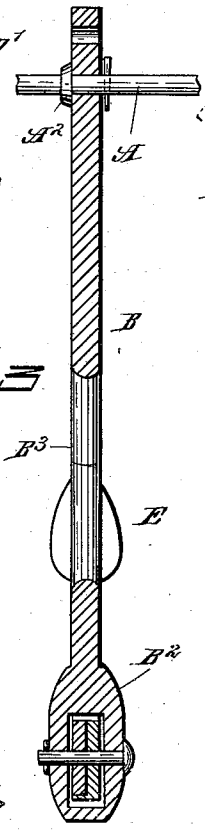
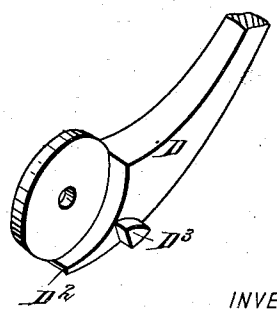


Fig. 3



WITNESSES:

J. A. Brophy

Geo. J. Kosters

INVENTOR

A. S. Peterson

BY Munn & Co

ATTORNEYS

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

AUGUST S. PETERSON, OF BATTLE LAKE, MINNESOTA, ASSIGNOR OF ONE-THIRD TO JOHN D. JOHNSON, OF ST. LOUIS, MISSOURI.

ANCHOR.

SPECIFICATION forming part of Letters Patent No. 651,724, dated June 12, 1900.

Application filed September 23, 1899. Serial No. 731,388. (No model.)

To all whom it may concern:

Be it known that I, AUGUST S. PETERSON, of Battle Lake, in the county of Otter Tail and State of Minnesota, have invented a new and Improved Anchor, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved anchor which is simple and durable in construction and arranged to prevent entangling and fouling of the anchor chain or rope when a vessel swings around, at the same time forming no obstacle to passing vessels and when not in use permitting of folding, thereby occupying very little room on the deck of the vessel.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of my invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement. Fig. 2 is a side elevation of the same with parts in section. Fig. 3 is a transverse section of the same on the line 3 3 in Fig. 2, and Fig. 4 is an enlarged perspective view of the fulcrum end of one of the fluke-arms.

The improved anchor is provided with a suitable stock A, engaging an eye B′ on the shank B of the anchor, formed with an enlarged portion B^2, carrying a transverse pivot C, on which the fluke-arms D D′ are mounted to swing, said arms carrying at their outer ends suitable flukes E, as indicated in the drawings. The shank B between the pivot C and the eye B′ is formed with an enlargement B^3, extending in the direction of movement of the pivot-arms D D′, the side edges of the enlargement being adapted to be engaged by the flukes E, so that the latter can rest thereon when in a closed position, as indicated in Fig. 1. As the enlargement is in the direction of the movement of the fluke-arms, it is evident that when one of the latter is embedded in the ground the enlargement B^3 likewise passes into the ground in a vertical direction, so as to form an additional means for securely holding the anchor in position, especially when a sidewise pull is exerted on the shank B at the time a vessel swings around.

The fluke-arms D D′ are provided at their fulcrum ends with lugs D^2, adapted to engage one another, so that when one fluke-arm opens outward and embeds itself in the sand then its corresponding lug D^2 causes the arm to swing inward until its fluke rests against the side edge of the enlargement B^3. At this time the opened-up arm D or D′ rests with lugs D^3 against the sides of the portion B^2, so that further opening of the fluke-arm is prevented both by the fluke-arm and the said lugs D^3.

When the anchor is not in use and is hauled upon the deck of the vessel, both fluke-arms can be readily closed, so as to occupy as little room as possible. For the same reason the stock A is constructed to be folded to one side of the shank B, the stock having for this purpose an angular offset A′ at one end. When the stock is in use, it is shifted transversely in the eye B′ until it abuts with a collar or shoulder A^2 against one side of the eye B′ to hold the stock in proper position when raising or lowering the anchor.

By the arrangement described, especially by the closing of one fluke-arm by the action of the one that opens up, fouling or entangling of the anchor chain or rope is completely prevented and by the additional bearing-surface of the enlargement B^3 additional security is given to the anchor when in use to prevent dragging.

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

1. An anchor, comprising a shank having an enlargement at or near the middle portion, fluke-arms pivoted on said shank and mounted to swing in the plane of said enlargement, flukes on said fluke-arms, and adapted to rest on said edges of said enlargement, and lugs on the pivotal ends of said fluke-arms, and adapted to engage each other and cause the fluke-arms to act in unison when one opens and the other closes, but to permit independent closing of both fluke-arms, substantially as shown and described.

2. An anchor, having its arms pivotally mounted on the shank and movable inde-

pendently toward and from the same, each arm being formed with a lug or shoulder which lugs are capable of engaging each other, for the purpose specified.

3. An anchor, having its arms independently pivoted thereon, each arm having a lug or shoulder which lugs or shoulders are capable of interengagement at certain positions of the arms, and each arm further having a lug which is arranged to engage the shank to limit the outward movement of the arm.

AUGUST S. PETERSON.

Witnesses:
BRONSON STRAIN,
E. A. EVERTS.