G. S. SIDELINGER.
Anchor.

No. 203,660. Patented May 14, 1878.

Fig. 1.

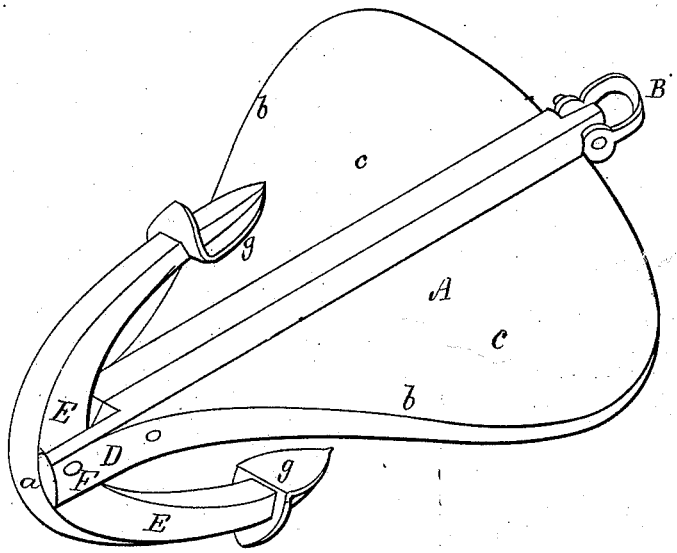


Fig. 2.

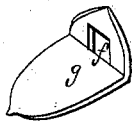
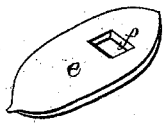


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

GORHAM S. SIDELINGER, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN ANCHORS.

Specification forming part of Letters Patent No. **203,660**, dated May 14, 1878; application filed April 11, 1878.

To all whom it may concern:

Be it known that I, GORHAM S. SIDELINGER, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Anchors, of which the following is a specification:

My improvements consist, first, in the peculiar construction of the body of the anchor, whereby I bring the weight of the same into close proximity to the flukes, in order not only to bury them into the earth or keep them down in place, but to prevent fouling of the cable about the stock of the anchor; and to this end this portion of my improvements consists in dispensing with the long shank and the stock disposed crosswise of the latter, as heretofore generally employed, and substituting for such parts a body composed of cast or wrought metal, of a length much less than the old shank, and of a width to practically equal the length of the old stock, the sides of this body, as it departs from the crown of the arms, being oblique or sloping, in order to prevent fouling of the chain, and the whole being substantially as and for purposes stated.

My improvements consist, secondly, in constructing the body of the anchor in two or more parts or sections, securely bolted or otherwise secured together, by which means an anchor may be transported in much smaller compass, or in parts, and the difficulty of handling it greatly lessened.

The drawings accompanying this specification represent, in Figure 1, a perspective view of an anchor embodying my invention. Figs. 2 and 3 are views of the fluke-palms detached.

In carrying out my invention, I construct the body of the anchor of a flat block, A, of metal, to the center of the broad end of which I affix an eyebolt or swivel, B, while the opposite end of such body A, I prolong into a narrower portion, D, which is slotted to receive the crown *a* of the arms E E, which are pivoted to the portion D by a bolt, F.

The body A increases rapidly in width as it departs from the portion D, and is practically triangular in shape. As a consequence, its sides *b b* are oblique or sloping, and fouling of the cable about the body of the anchor is practically impossible.

By shortening the length of the entire anchor, and thereby bringing the weight nearer to the flukes, the latter are buried in the earth, or held down in place with more certainty. As shown in the present instance, the body of the anchor is constructed in two halves, *c c*, united together by suitable means. In this manner an anchor may be packed in small compass or transported in parts, and the difficulty of transportation is greatly lessened.

The flukes of this anchor are constructed as follows: From a sheet of thin wrought metal I cut a planchet of the form shown at *e* in Fig. 2 of the drawings, which is practically that of an oval, and I create in this planchet an opening or orifice, *f*, to inclose the outer end of each arm, the larger or broader end of the planchet being bent at right angles to the palm *g*. The end of the arm E is passed through the orifice *f*, and the palm *g* of the planchet welded to such arm, thus completing the fluke.

I claim—

1. The solid flat shank-block A, formed as described, in combination with the fluke or flukes, as set forth.

2. The solid flat shank-block A, formed as described, and divided longitudinally into two parts, detachably connected, in combination with the fluke or flukes, as set forth.

GORHAM S. SIDELINGER.

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