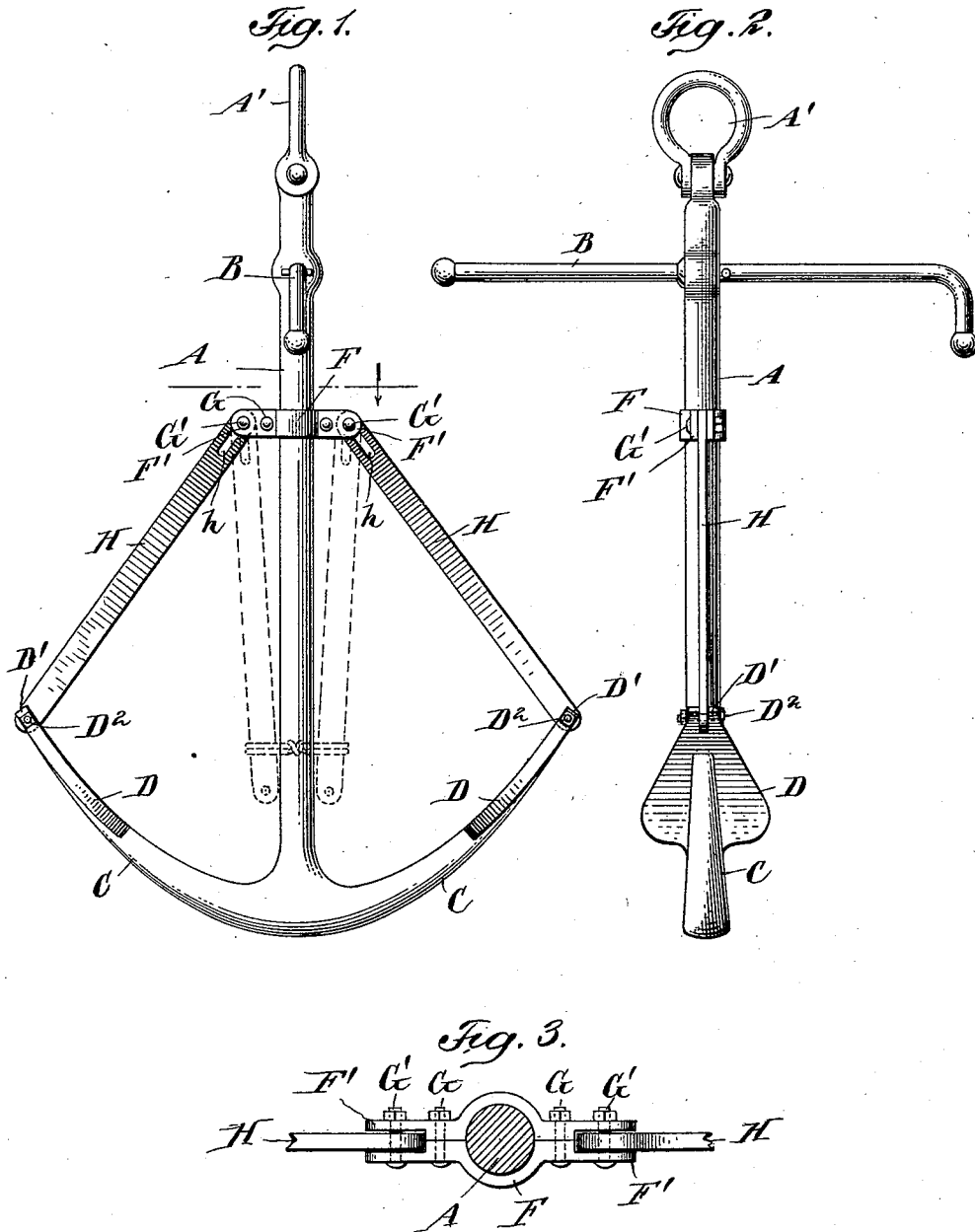


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ANCHOR.

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1,008,318.

Patented Nov. 14, 1911.



Witnesses:
Julius K. Metz
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UNITED STATES PATENT OFFICE.

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ANCHOR.

1,008,318.

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To all whom it may concern:

Be it known that I, FERDINAND E. FORSTER, a citizen of the United States, residing in the city of New York, borough of Manhattan, in the county and State of New York, have invented a certain new and useful Improvement in Anchors, of which the following is a specification.

The invention relates to ships' anchors, and the object of the invention is to provide an anchor which may serve as usual or may be readily conditioned to avoid fouling or engagement with submarine cables, wrecks and the like, and to be dragged along the bottom when it is desired to allow the vessel to drift slowly as is sometimes required in fishing operations.

The invention consists in certain novel features and in details of construction and arrangement by which the above object is attained, to be hereinafter described.

The accompanying drawings form a part of this specification and show an approved form of the invention.

Figure 1 is a face view of the improved anchor. Fig. 2 is a side view. Fig. 3 is a plan view of certain portions on a larger scale, partly in horizontal section.

Similar letters of reference indicate the same parts in all the figures.

The anchor to which my improvement is applied may be of the usual type having the shank A, ring A¹ for attachment of the cable, stock B, arms C C and flukes D D.

On the shank A below the stock is a clamp F made in two parts encircling the shank, held together by bolts G and having outwardly projecting lugs F¹ separated to receive between them the upper ends of thin bars H extending from the lugs to the points D¹ D¹ of the flukes D D.

The points D¹ are notched to receive the lower ends of the bars, and the latter are removably fastened to the flukes by bolts D² extending through the points from side to side and through holes in the bars.

At the upper ends of the bars are longitudinal slots *h* receiving the bolts G¹, affording

sufficient endwise movement when the lower ends of the bars are released, to permit the bars to be lifted from the notches and swing inward to the shank A and be lashed thereto, as indicated by the dotted lines in Fig. 1. Thus conditioned the anchor serves as usual.

When the bars are unlashed and spread they extend angularly from the shank to the points of the flukes; the latter are thus protected by the bars and the danger of fouling a cable is avoided, and as the flukes are no longer free to engage the bottom, the anchor may be dragged.

It will be noted the usual ship's anchor may be equipped with the invention by simply notching the points of the flukes and drilling them transversely to take the bolts D², and attaching the clamp and bars to the shank.

The lugs F¹ may be formed on the shank as permanent parts of the latter if preferred.

I claim:—

1. In an anchor, a shank with flukes, means thereon with lateral extensions, bars having slotted upper ends having limited endwise movement on said extensions and their lower ends having detachable gravitating engagement with the flukes, said bars constructed to be folded parallel with the shank.

2. In an anchor, a clamp attached to the shank, lugs on said clamp, bolts extending through said lugs, bars having slots in their upper ends receiving said bolts and pivotally mounted on the latter, flukes having notches in their points adapted to receive the lower ends of said bars, and bolts extending through said points and bars, all arranged to serve substantially as and for the purposes set forth.

In testimony that I claim the invention above set forth I affix my signature, in presence of two witnesses.

FERDINAND E. FORSTER.

Witnesses:

CHARLES R. SEARLE,
WALLY E. YOUNG.