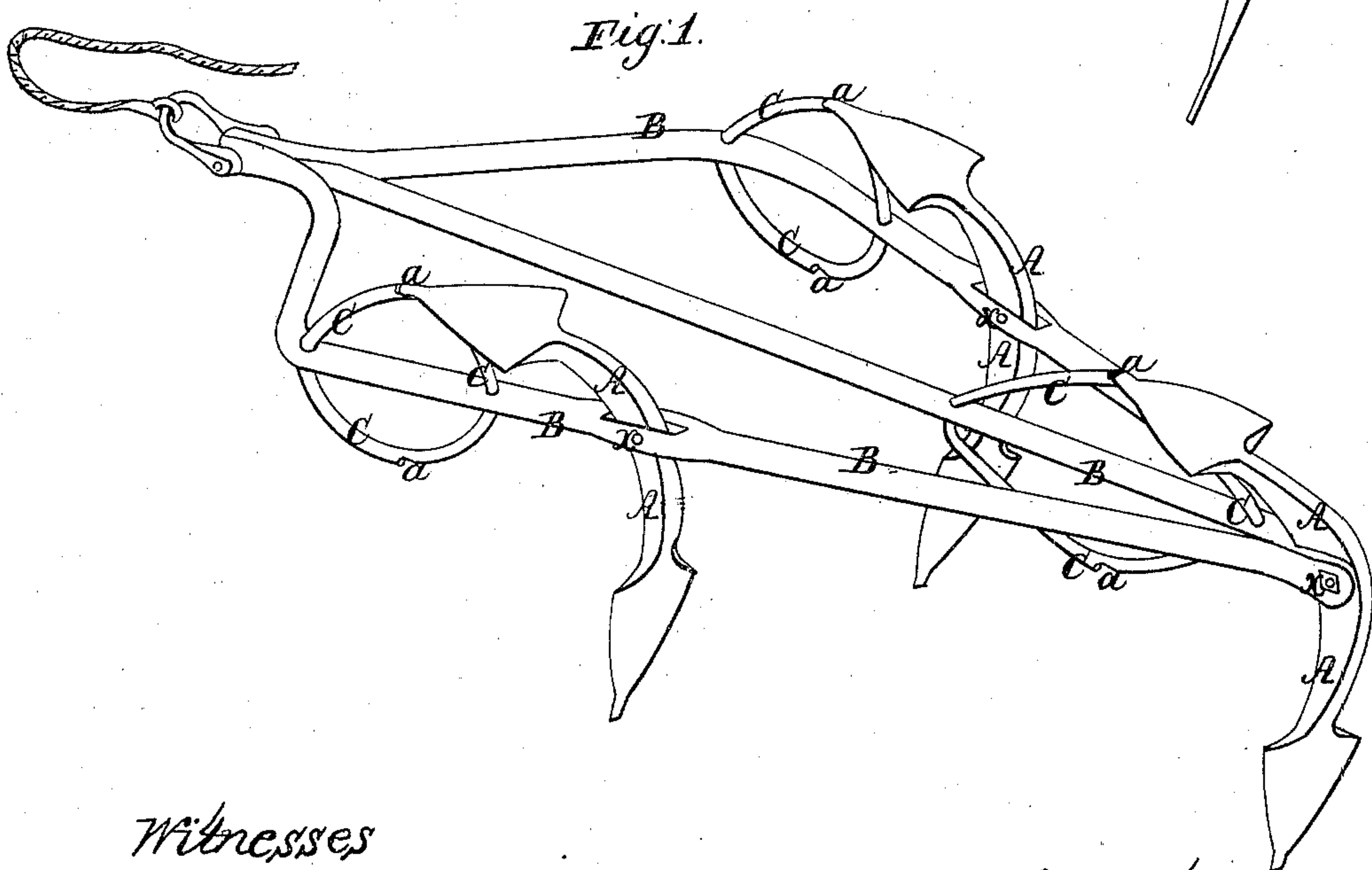
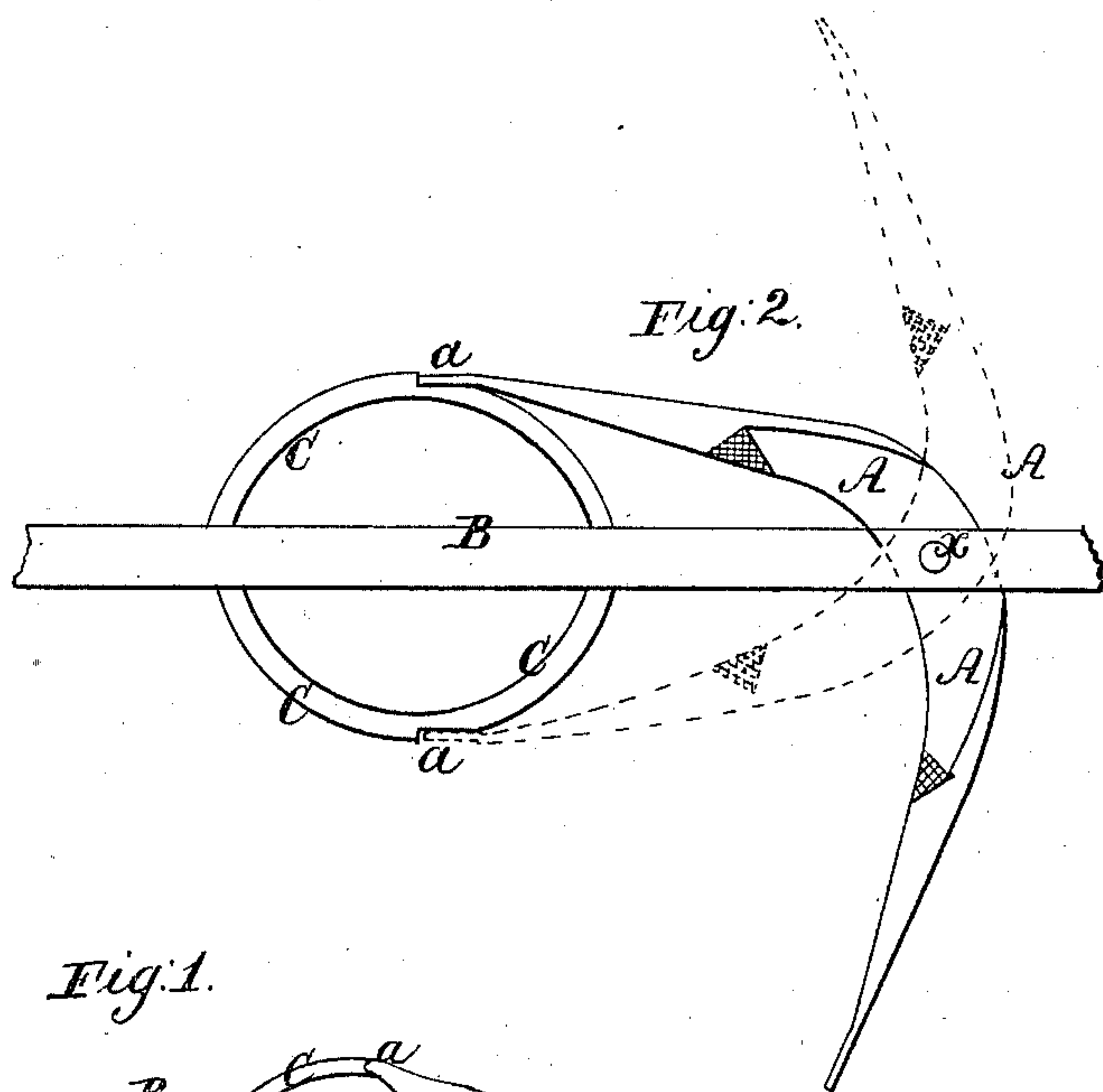


*G. C. Pattison,
Anchor.*

N^o 58,128.

Patented Sep. 18, 1866.



Witnesses

*H. H. Young
Gilbert B. Towles*

Inventor

G. C. Pattison

*By David A. Burr
att'y*

UNITED STATES PATENT OFFICE.

G. C. PATTISON, OF BALTIMORE, MARYLAND.

IMPROVED ANCHOR.

Specification forming part of Letters Patent No. 58,128, dated September 18, 1866.

To all whom it may concern:

Be it known that I, GOURNEY C. PATTISON, of the city and county of Baltimore, and State of Maryland, have invented a new and Improved Anchor; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a perspective view of one form of anchor with my improvements attached; and Fig. 2, an elevation of a portion of the anchor-frame, illustrating in red lines the movement of the fluke and its position within the recess on the stationary guards.

Similar letters indicate like parts in each of the figures.

The nature of my invention consists in the combination of projecting rests and guards with the pivoted arms and flukes of an anchor in such a manner as that the uppermost flukes of the pivoted arms shall receive support, while the lower flukes are embedded or caught, and be so guarded as that the chain or cable cannot catch or foul therewith; also, in the combination of two or more pivoted fluke-arms in a rectangular, triangular, elliptical, or other suitable frame, the upper part being so formed as to fend off from the flukes the cable or chain, whereby I avoid the use of the iron or wooden stock, and obtain with a greatly reduced weight of metal greater strength in the anchor and better grappling capacity.

The fluke-arms A of my improved anchor are pivoted at *x* in slots formed for the purpose in the shanks B, so as to swing or work freely therein.

Upon opposite sides of the shanks B, I secure curved guards and rests C, having on their upper and lower face a suitable notch or recess, *a*, to receive the pointed end of the flukes and protect them from the chain or cable. The guards serve to arrest the movement of the fluke-arms A, and at the same time act as rests or supports therefor, retaining them in either of the positions illustrated in Fig. 2 of the drawings.

I contemplate, when desirable, making the curved guards C solid, instead of having them of round iron, as illustrated in the drawings, though in either case their opposite faces will be curved and provided with the notch or recess *a*.

Three fluke-arms, A, are shown pivoted to the shanks B at *x*, though I contemplate the use of one or more, intending to employ either one or more shanks, to vary in number and form according to the shape of anchor desired.

By the use of my improved recessed curved guard-rests, in connection with the pivoted fluke-arms, all liability to the chain or cable catching or hooking in any part of the anchor is obviated, for when the vessel at anchor changes her position with the wind, or when the cable, from any cause whatever, is traversing either face of the anchor, it cannot in any way hook or catch in the points or ends of the flukes, but, being compelled to pass over the guards, is permitted to swing clear of every part where there is any liability to its fouling.

One of the principal advantages derived from the use of my improvements, as described, consists in the diminution in the weight of metal required to manufacture my improved anchor for any given sized vessel, as its superior grappling capacity is such as to render it unnecessary to employ the immense weight of metal heretofore used.

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

Providing the flukes of an anchor having pivoted arms with stationary guards, substantially as and for the purpose herein described.

The foregoing specification of my improved anchor signed by me this 29th day of May, A. D. 1866.

G. C. PATTISON.

In presence of—

H. H. YOUNG,
EDM. F. BROWN.