

No. 710,167.

Patented Sept. 30, 1902.

J. A. PETTES.

ANCHOR.

(Application filed Jan. 10, 1902.)

(No Model.)

FIG. 1.

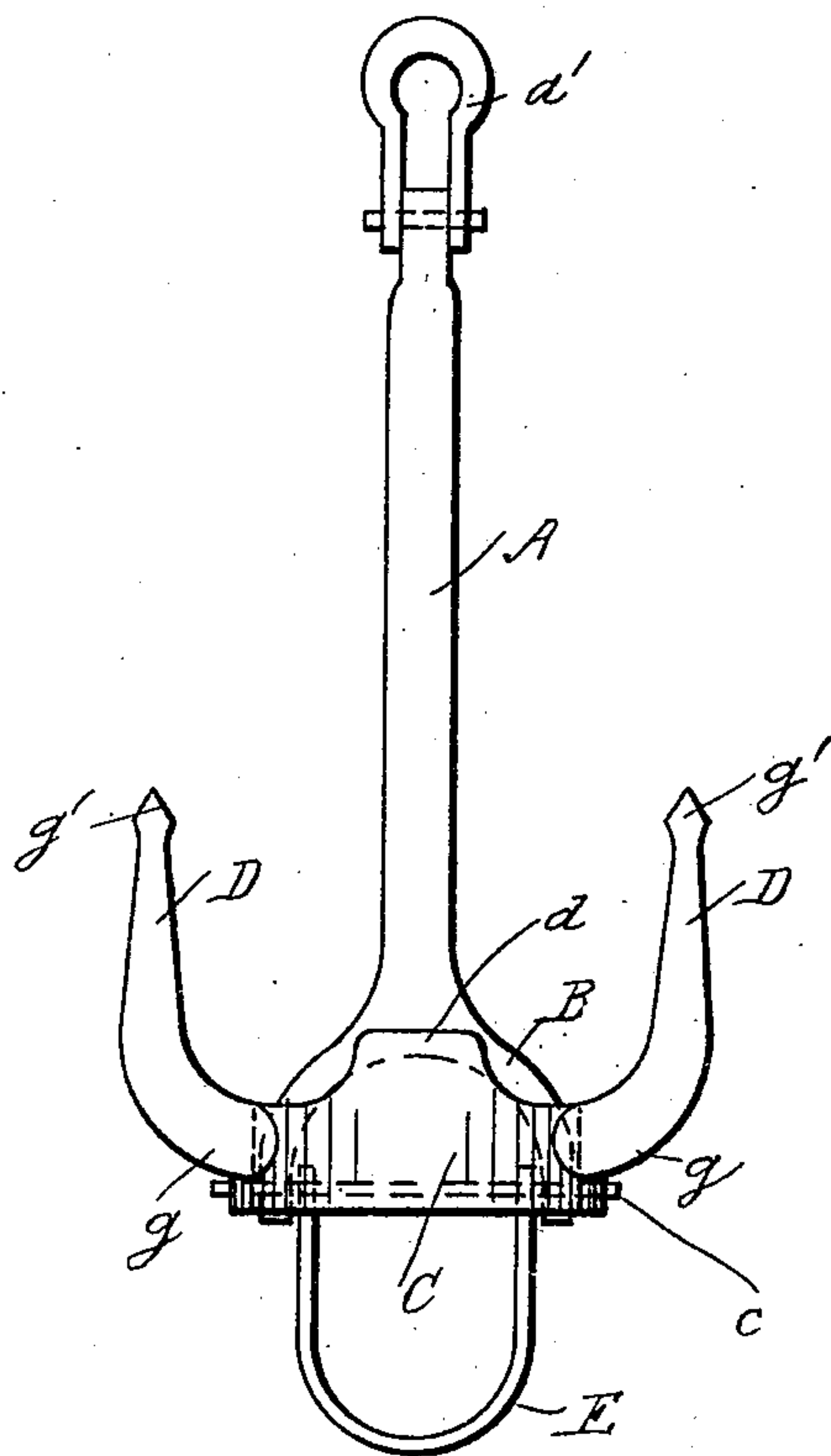


FIG. 3.

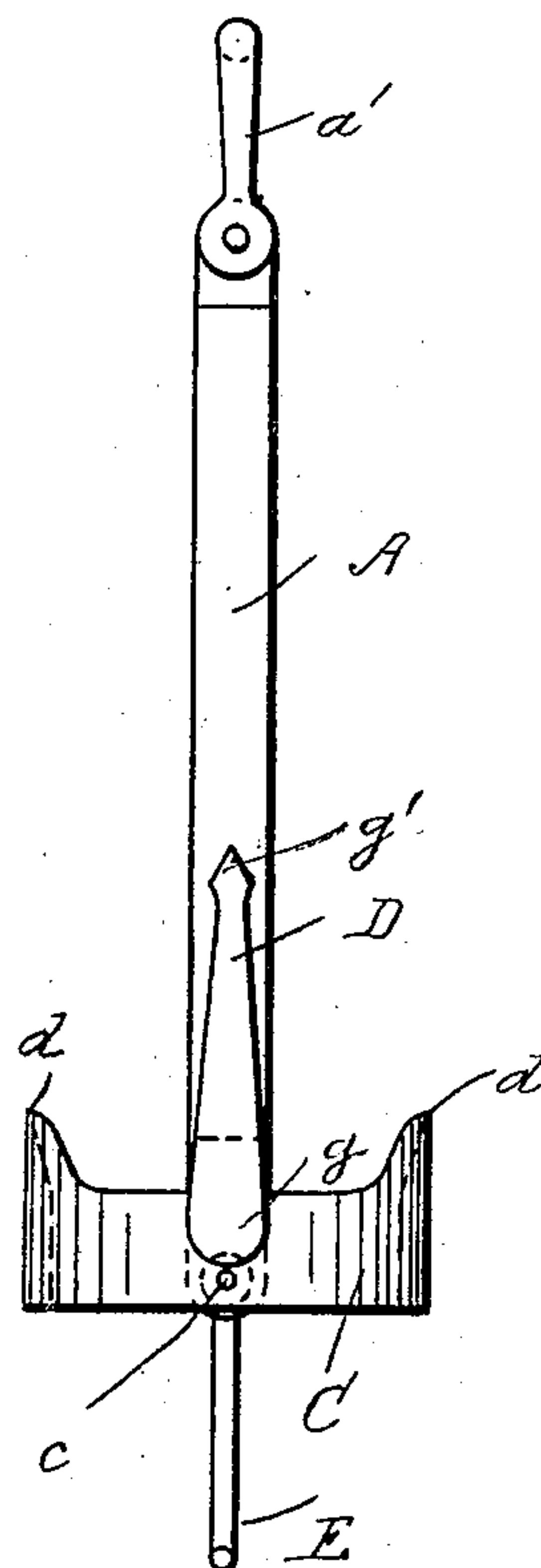
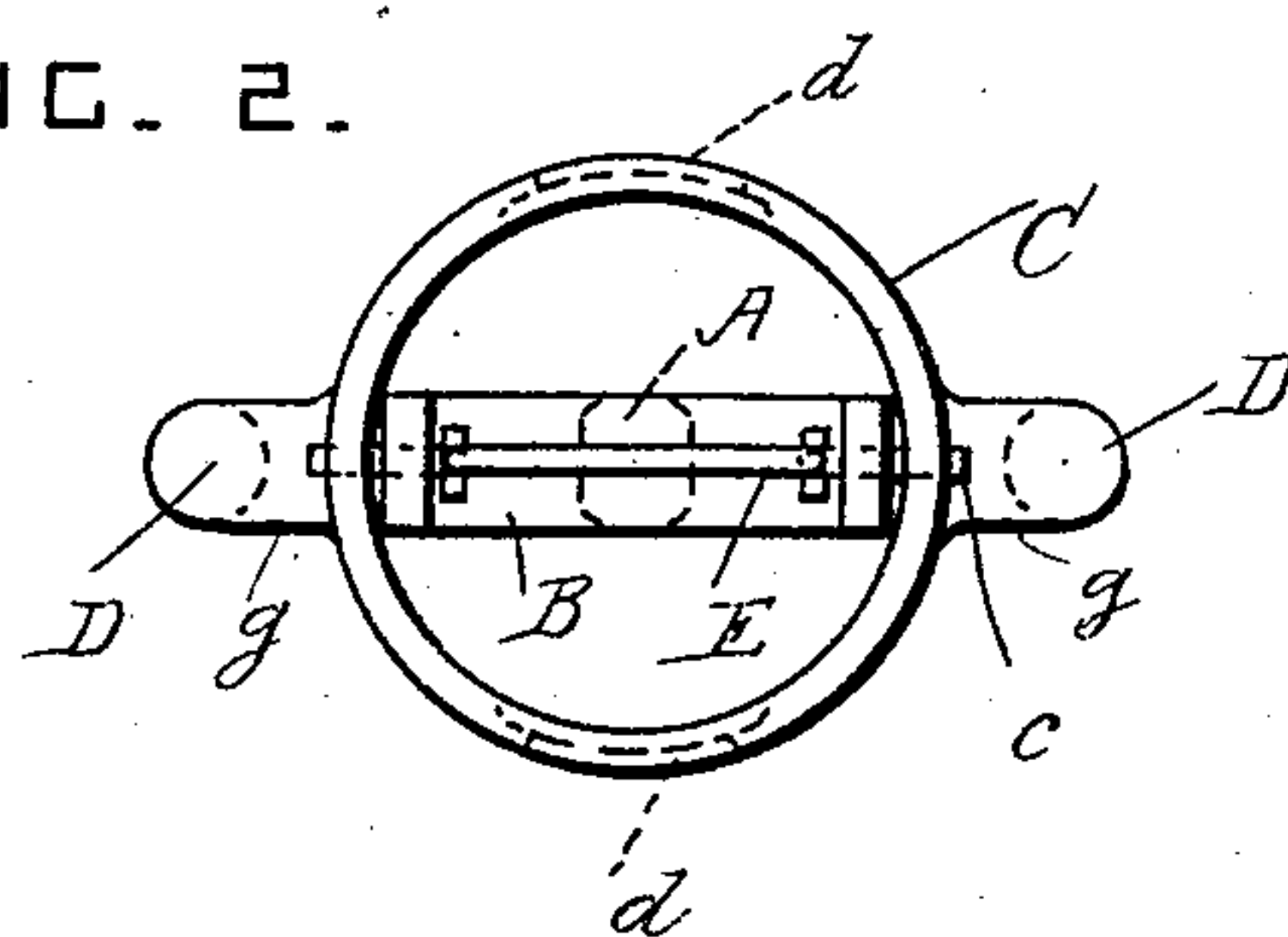


FIG. 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JAMES A. PETTES, OF GRAND MANAN, CANADA.

## ANCHOR.

SPECIFICATION forming part of Letters Patent No. 710,167, dated September 30, 1902.

Application filed January 10, 1902. Serial No. 89,193. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES A. PETTES, a citizen of the United States, residing at Grand Manan, New Brunswick, Canada, have invented certain new and useful Improvements in Anchors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to anchors; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a front view of the anchor. Fig. 2 is a plan view from below. Fig. 3 is a side view of the anchor.

A is the shank of the anchor, and *a'* is a chain-shackle of approved construction pivoted to its upper end. The shank A has a forked portion B at its lower end, and C is a ring which encircles the portion B and is pivoted to it by a pin *c*. The ring C is provided with two flukes D, projecting upwardly from it above the ends of the pivot-pin *c* and arranged substantially parallel with each other. The flukes D have curved lower portions *g*, which project laterally from the sides of the

ring C and have barbed points *g'* at their upper ends. The ring C has also two scoop-shaped projections *d* on its upper edge between the flukes. These projections strike the shank when the ring is tilted on its pivot, and they limit the extent to which it can be tilted.

E is a shackle which is pivoted on the pin *c* between the forked portions at the lower end of the shank.

What I claim is—

In an anchor, the combination, with a shank, of a ring pivoted to the lower end of the shank and having scoop-shaped projections on its upper edge, and flukes having curved lower portions which project laterally from the sides of the said ring between the scoop-shaped projections, said flukes being arranged at a greater distance from the shank than the said projections and terminating in barbed points, substantially as described and shown.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES A. PETTES.

Witnesses:

ALICE J. MURRAY,  
FREDK. K. DAGGETT.