

(No Model.)

J. W. BYRNE.
ANCHOR.

No. 503,694.

Patented Aug. 22, 1893.

Fig. 1.

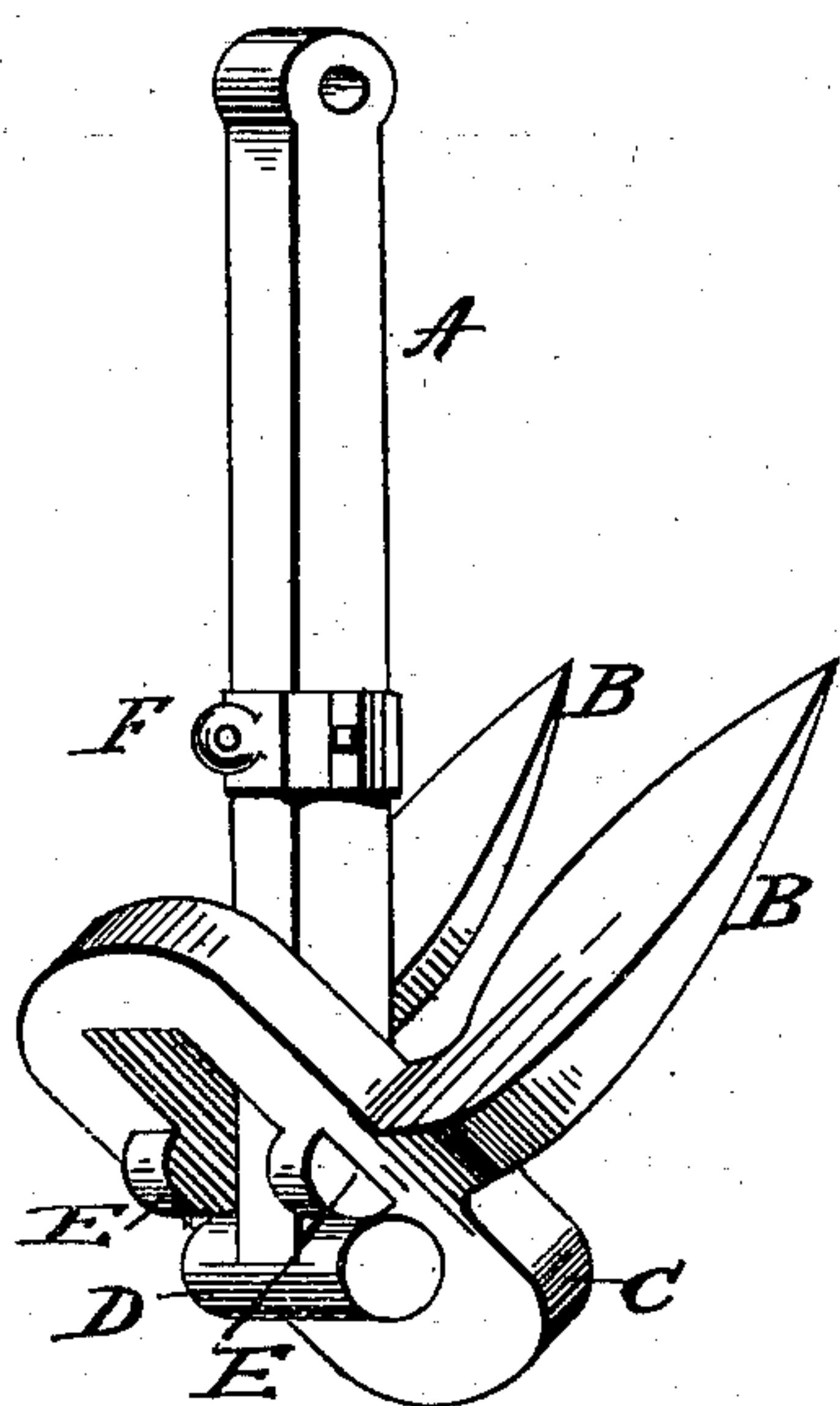


Fig. 2.

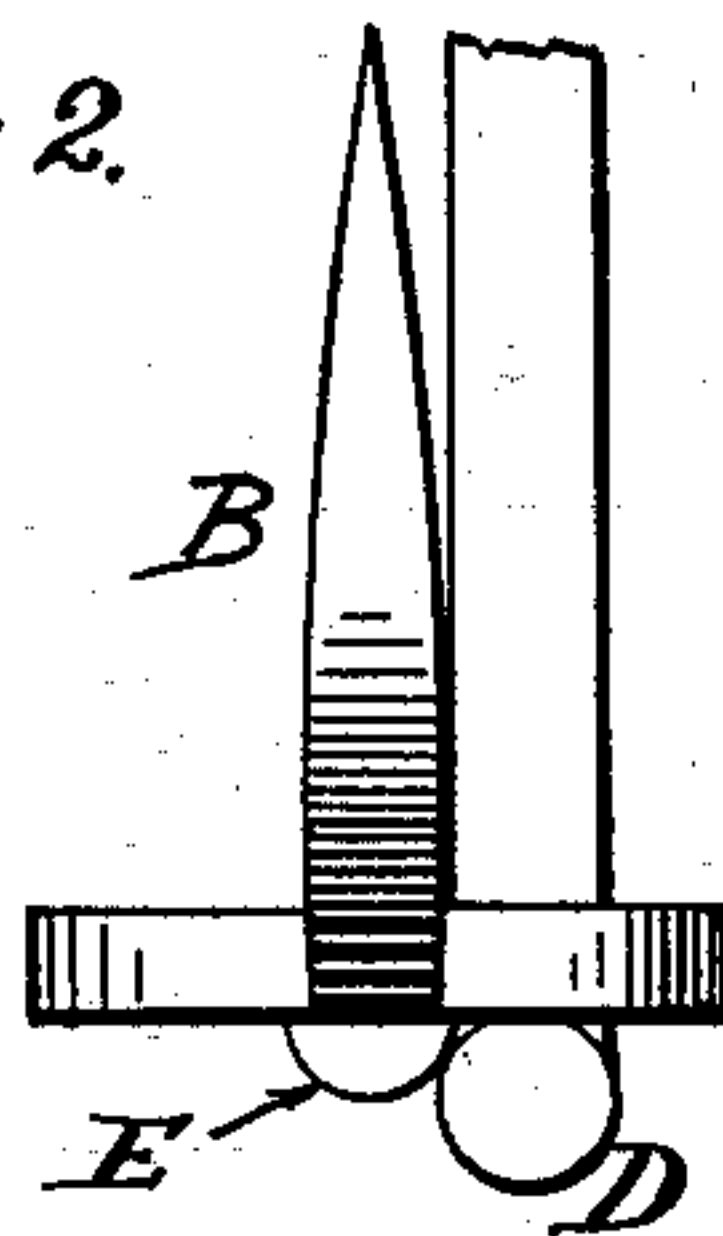


Fig. 3.

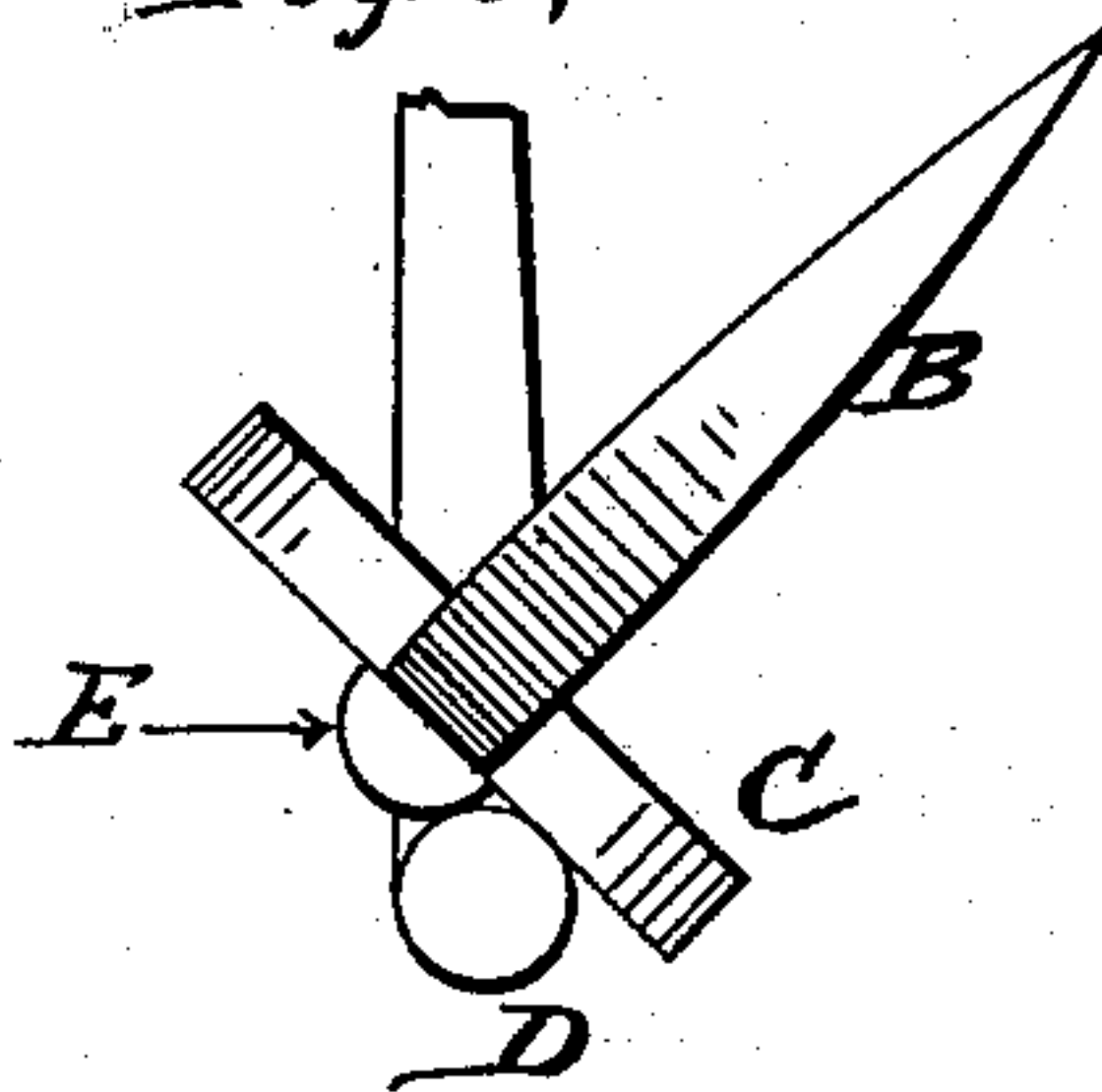


Fig. 6.

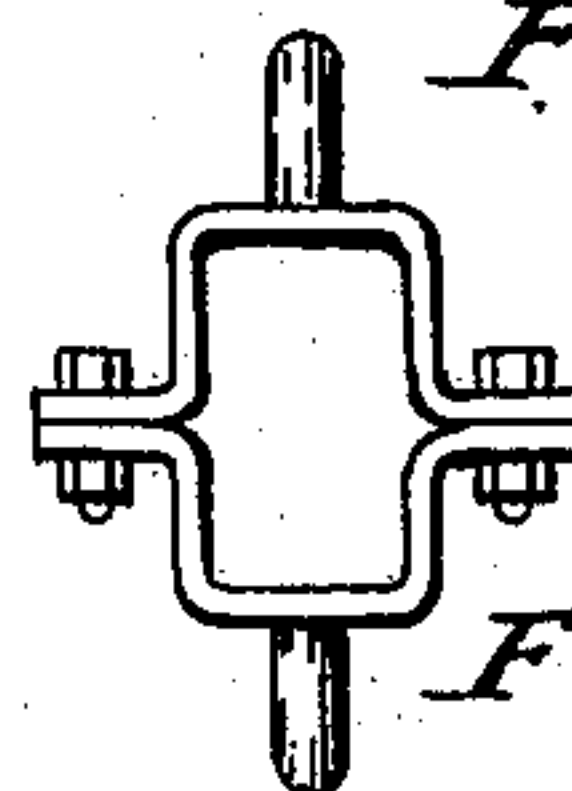


Fig. 4.

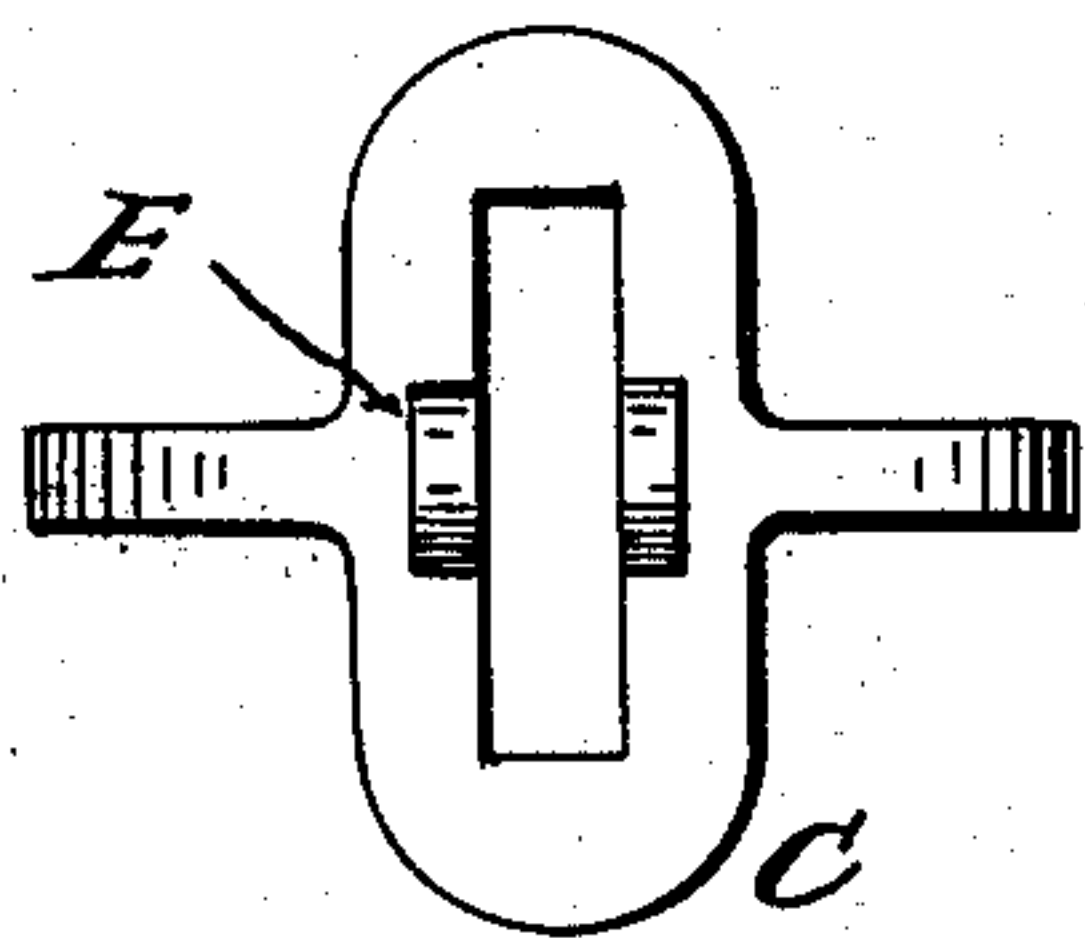
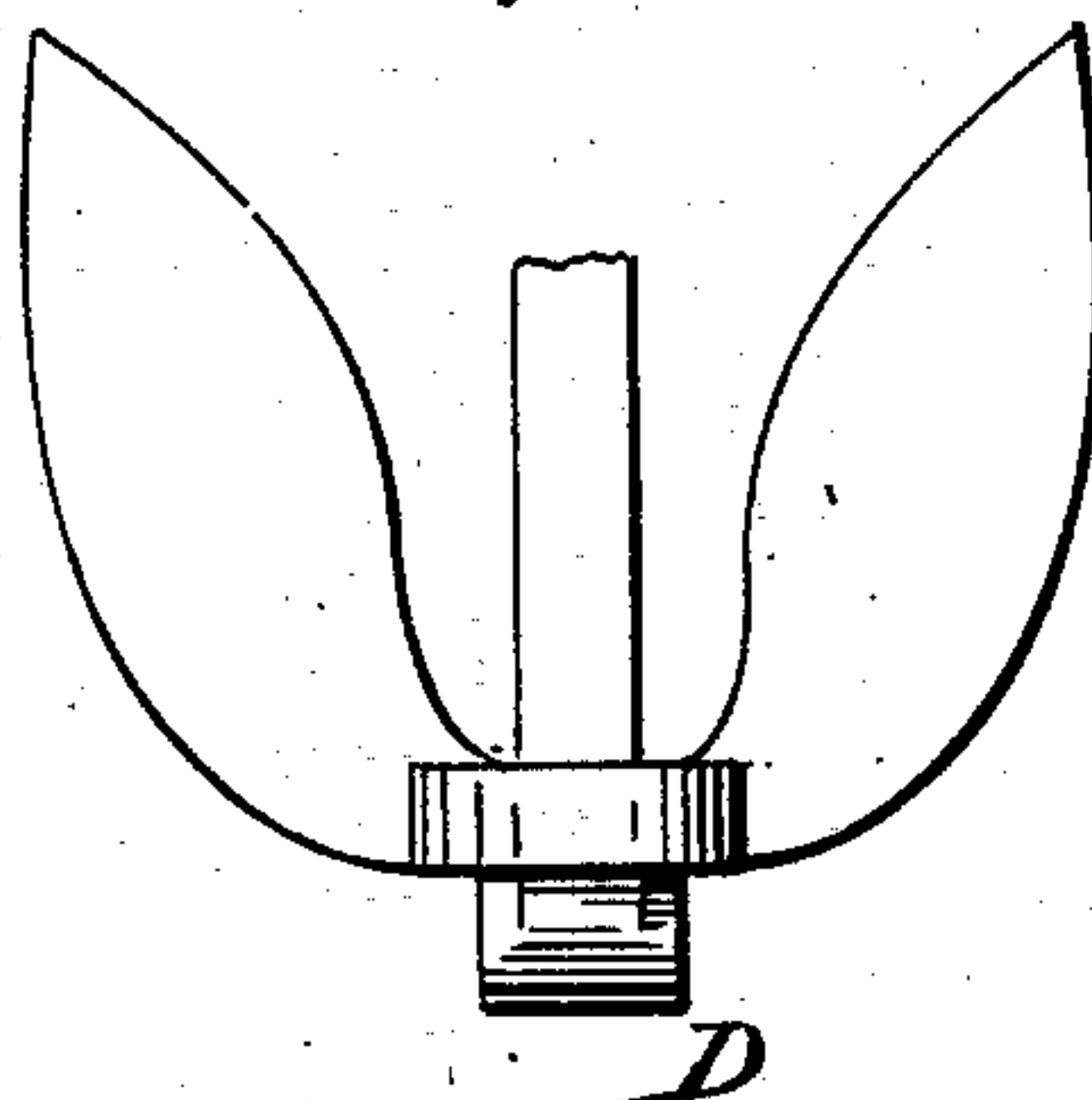


Fig. 5.



Witnesses
Frank H. Seavey.
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JOSEPH W. BYRNE, OF BOSTON, MASSACHUSETTS.

ANCHOR.

SPECIFICATION forming part of Letters Patent No. 503,694, dated August 22, 1893.

Application filed July 16, 1892. Serial No. 440,284. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH W. BYRNE, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and
5 useful Improvements in Anchors, of which the following, taken in connection with the accompanying drawings, is a specification.

The object of my invention is to construct an anchor, that may be readily forged or cast,
10 of such a form that the maximum amount of holding power may be obtained with a given weight. This object I attain by means of the mechanism shown in the accompanying drawings, in which—

15 Figure 1 is a general view of anchor; Figs. 2, 3, 4 and 5, elevation of crown and palms. Fig. 6 is a clamp.

The shank, A, Fig. 1, is furnished with a head, D, forming one piece with shank. The
20 shank is made of a thickness to allow it to play easily in slot (shown in Figs. 1 and 4). The head, D, is made larger than width of slot. The purpose of this head is to prevent the shank being detached from crown, C.

25 I will now state the object of the lugs, E, Figs. 2, 3 and 4. In the position of crown, C, shown in Figs. 1 and 3, the lugs, E, Figs. 3 and 4, engage the head, D, and prevent this head from slipping toward center of crown, thus

holding the palms rigidly at the required an- 30
gle with the shank, A, to cause the palms, B
B, Figs. 1 and 3, to penetrate the ground on
which the anchor may be dropped.

In the position of crown and palms, shown
in Figs. 2 and 5, the lugs, E, again engage the 35
head, D, as shown in Fig. 2, thus holding the
palms, B, in an upright position, when the an-
chor is suspended by chain.

F, Figs. 1 and 6, represents clamps placed
upon shank, by bolting, or other suitable de- 40
vice, their object being to prevent the shank
being unshipped.

I claim—

In an anchor, the combination of a shank,
having a head D at its palm end, a clamp F 45
mounted on said shank, a slotted crown C hav-
ing lugs E and palms B, said shank being
adapted to pass through the slot in the crown,
the head D serving to hold said crown, sub-
stantially as and for the purpose set forth. 50

In testimony whereof I have signed my
name to this specification, in the presence of
two subscribing witnesses, on this 8th day of
April, A. D. 1892.

JOSEPH W. BYRNE.

Witnesses:

FRANK G. PARKER,
WILLIAM H. PARRY.