

No. 740,399.

PATENTED OCT. 6, 1903.

I. E. CLUM.
POLE OR POST ANCHOR.
APPLICATION FILED OCT. 20, 1902.

2 SHEETS—SHEET 1.

NO MODEL.

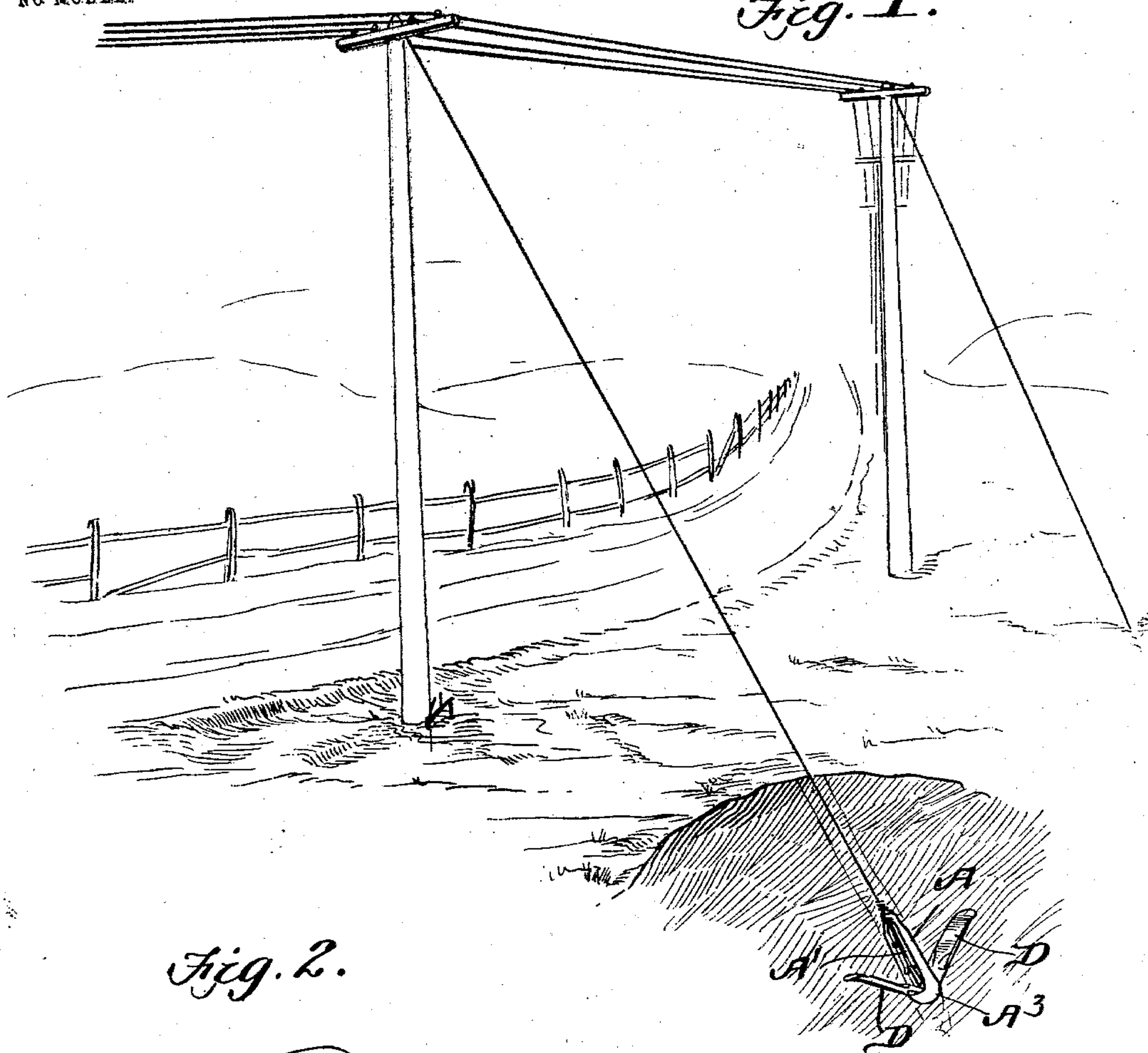


Fig. 2.

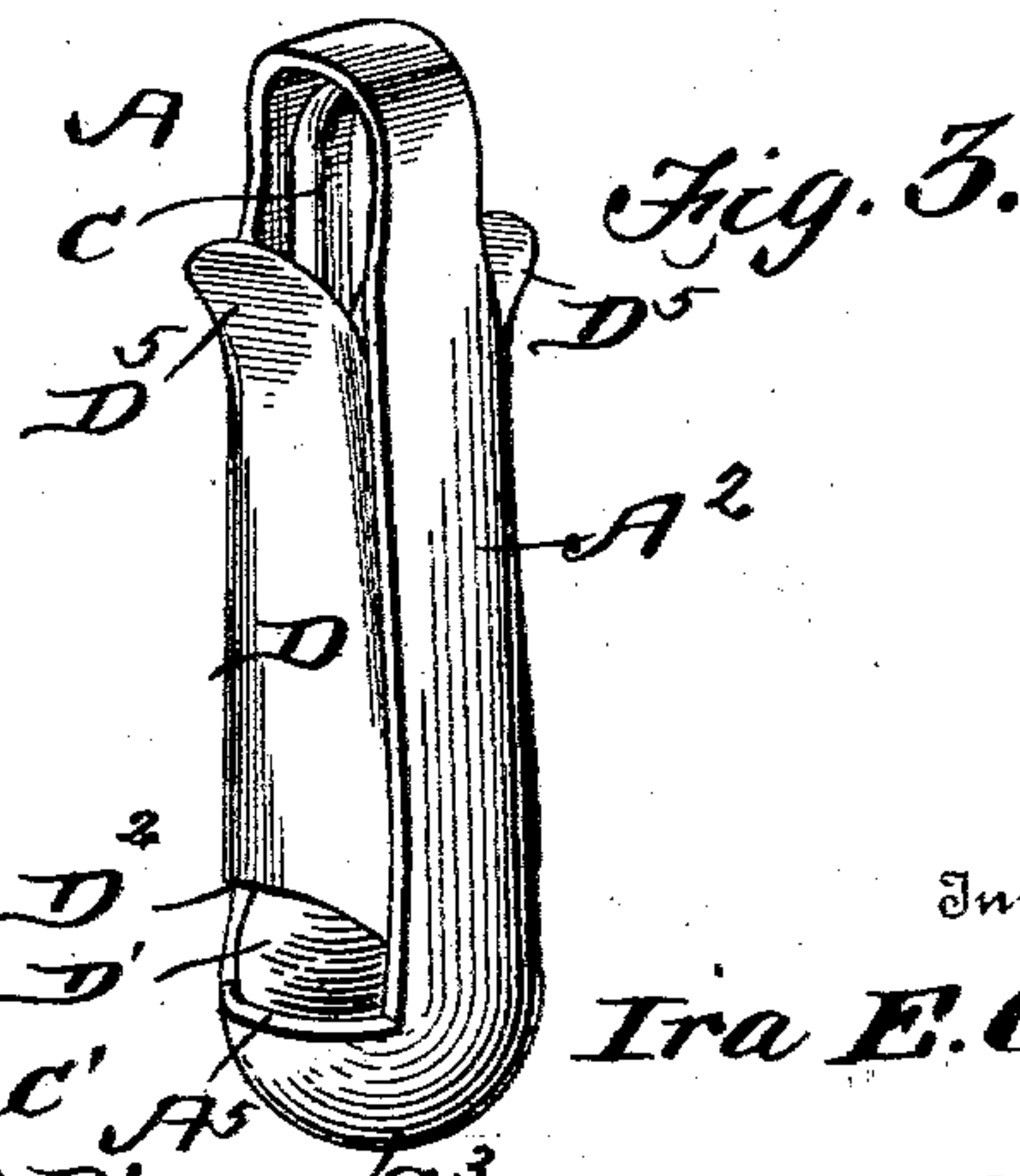
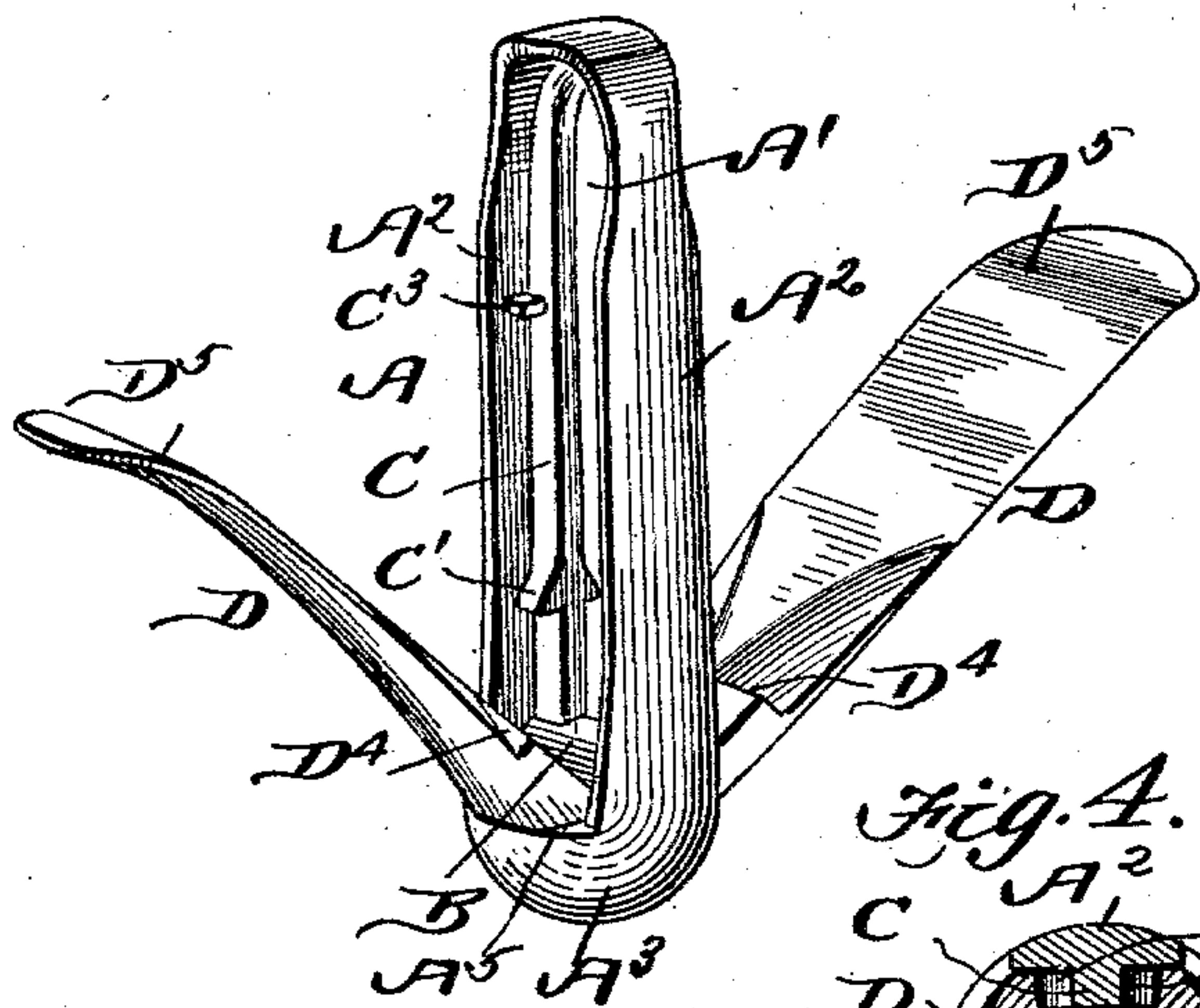
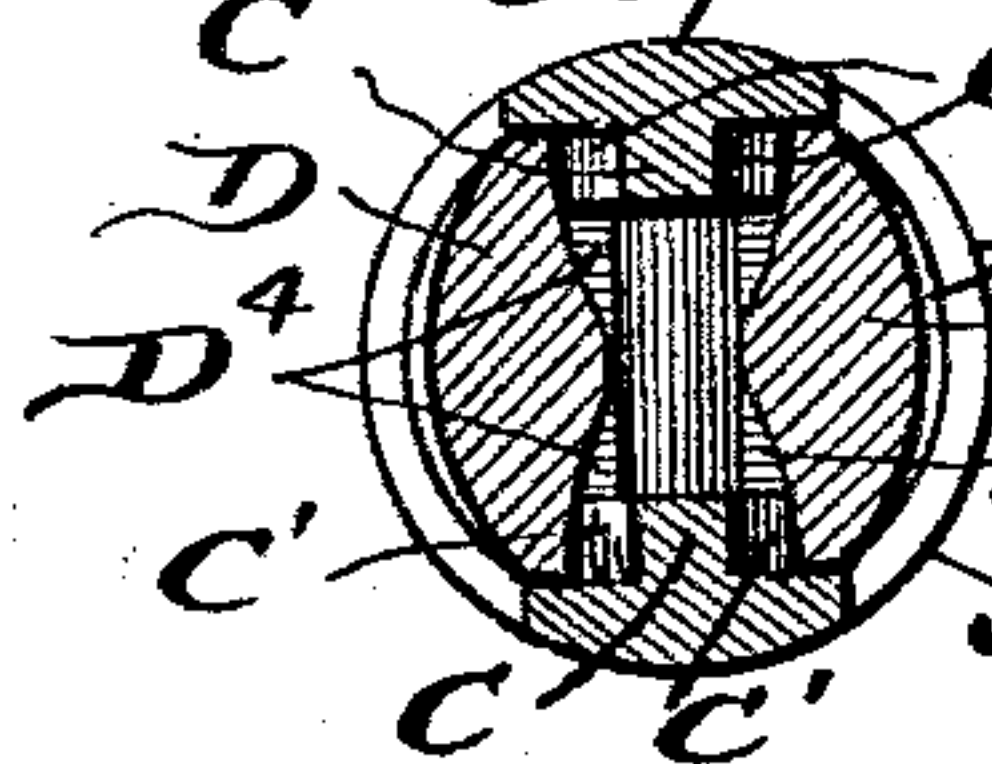


Fig. 3.

Fig. 4.



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Witness

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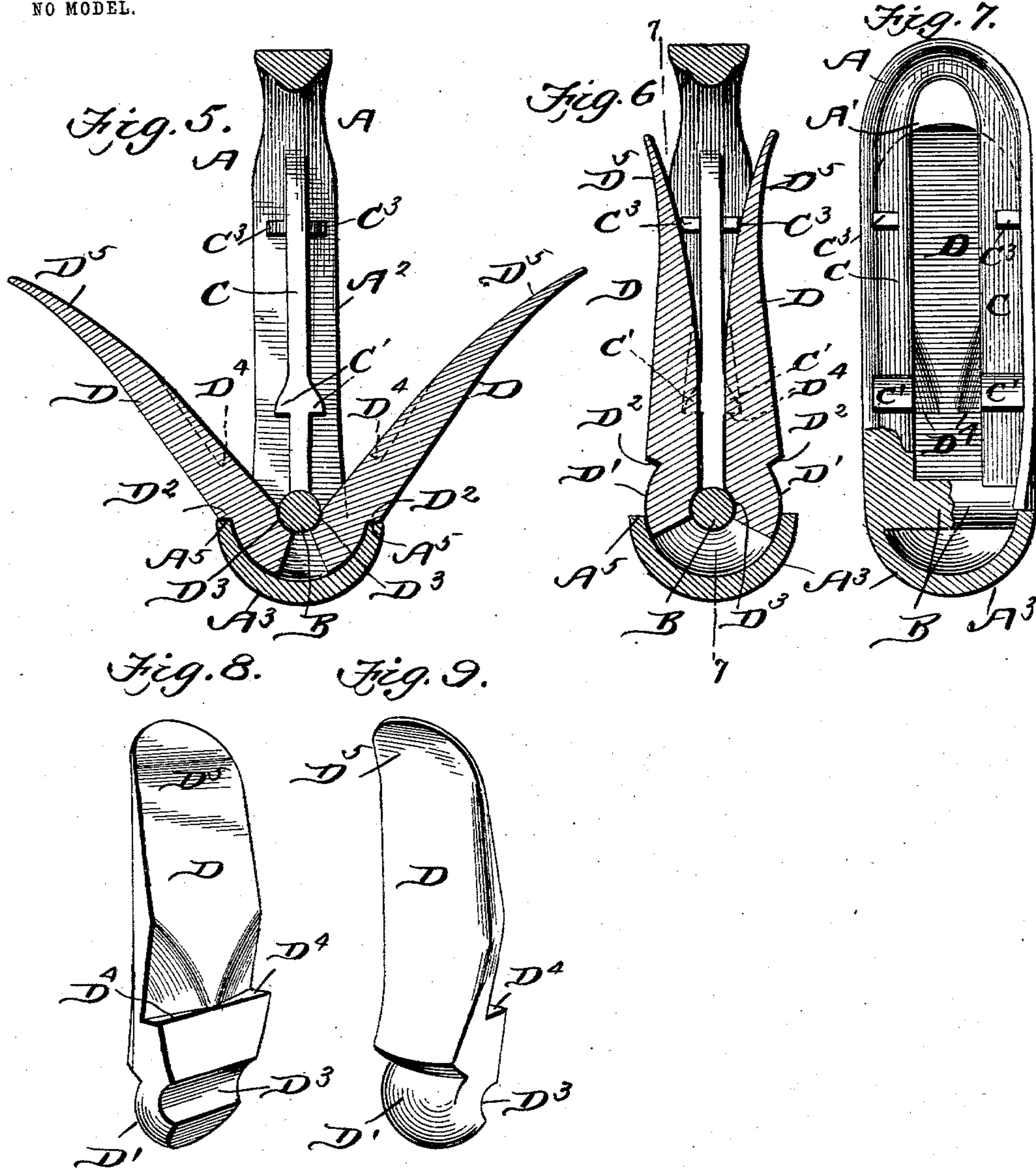
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UNITED STATES PATENT OFFICE.

IRA ELLSWORTH CLUM, OF LIMA, OHIO.

POLE OR POST ANCHOR.

SPECIFICATION forming part of Letters Patent No. 740,399, dated October 6, 1903.

Application filed October 20, 1902. Serial No. 127,959. (No model.)

To all whom it may concern:

Be it known that I, IRA ELLSWORTH CLUM, a citizen of the United States, residing at Lima, in the county of Allen and State of Ohio, have invented a new and useful Pole or Post Anchor, of which the following is a specification.

This invention relates to an improvement in anchors for telephone and telegraph poles, fence-posts, and the like; and the object of the device is to provide a cheap, simple, durable, and effective anchor for holding and bracing such poles and posts when subjected to the severe strains that are likely to be placed upon them.

With these briefly-stated objects in view my invention comprises certain details of construction and novelties of combination and arrangement, as will be fully set forth in the following specification and pointed out in the claims, reference being had to the drawings, in which—

Figure 1 is a view showing the practical application of my invention. Fig. 2 is an enlarged detail perspective view of one of the anchors, the flukes being shown open. Fig. 3 is a similar view with the flukes closed. Fig. 4 is a horizontal sectional view drawn through the anchor, the flukes also being closed, the line of the section being drawn immediately above the locking-lugs. Fig. 5 is a vertical section of the anchor with the flukes open. Fig. 6 is a similar view with the flukes closed. Fig. 7 is a sectional view drawn on about the line 7 7 of Fig. 6. Figs. 8 and 9 are detail views of one of the flukes.

In carrying out my invention I employ an elongated metallic body A, substantially oval in shape and centrally cut out, as at A', and the side members A², formed by the said cut-out portion, terminate at their lower ends in and are united by a semicircular base A³, that is interiorly recessed, as shown. Immediately above the said base the arms A² are connected by an integral bar B, and the inner sides of the arms A² are provided with ribs C, that have their lower ends terminating at the said cross-bar B. Immediately above the said bar the ribs are provided with oppositely-projecting lugs C', that form locking members for the flukes, as will be described later on. Flukes or wings D are carried by the said body A. Each of the said flukes has its

lower end formed with a curved portion D', that is adapted to contact with a hollow portion of the base, and adjacent the said curved portion each fluke is provided with a shoulder D², that is adapted for engagement with the upper edge A⁵ of the base when the flukes are extended, as clearly shown in Fig. 5 of the drawings. The inner portion of each fluke opposite the curved outer face D' is concaved, as at D³, and is adapted for engagement with the cross-bar B. Each fluke is also provided with shoulder portions D⁴ D⁴, that are arranged to fit under the lugs C' when the said flukes are folded against the ribs, as shown in Fig. 6. This arrangement forms a locking device that securely and firmly holds the flukes against vertical movement when the anchor is being lowered into the ground, and inasmuch as the hole into which the anchor is dropped is of such diameter that the anchor will snugly fit the same when lowered therein it will be readily seen that there is no possible danger of the flukes being disconnected when dropped into the hole. I also provide the ribs C with lugs C³, against which the upper and outwardly-flaring portions D⁵ of the flukes rest when in a folded position, as will be most clearly seen in Fig. 6 of the drawings.

In operation two flukes or wings are placed in the body portion of the anchor and upon opposite sides of the same and are folded within the said body portion, as shown in Figs. 3 and 6 of the drawings, and when the wings are in such position their upper outwardly-curved ends D⁵ will project slightly outward. The guy-rope having in the meantime been secured in the upper end of the anchor, the latter is then lowered into a hole that has been previously bored in the ground, and after the anchor has reached the bottom of the hole the hole is filled in with dirt or gravel, and by drawing upon the cable or guy-rope the wings will be forced or spread outwardly and embedding themselves into the side of the hole will firmly and securely lock the anchor therein.

From the foregoing it will be seen that I provide an exceedingly cheap, simple, and efficient device for the purposes described, and it will be particularly noted that by providing a locking means for the wings that will

prevent vertical movement thereof when the anchor is lowered in the ground all possible danger of the wings being disengaged is positively avoided.

5 Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A post-anchor, comprising the body portion centrally cut away to form a recess and
10 having a semicircular base formed at its lower end, flukes loosely arranged within the base and adapted to fold within the recess of the body portion of the anchor and lugs integral with the body portion adapted to engage the
15 said flukes and lock them against vertical movement, substantially as shown and described.

2. An anchor comprising a body portion centrally cut away, a recessed base portion,
20 a cross-bar connecting the side portions adjacent the base portion, inner vertical ribs on the side portions, lugs formed on opposite sides of said ribs adjacent the cross-bar, flukes having their lower ends adapted to fit
25 into the recessed base said flukes being recessed on their inner face adjacent their lower ends, said recess bearing against the cross-bar, and shoulders formed on the flukes above the said recess said shoulders being adapted
30 to engage the lugs on the ribs.

3. In a post-anchor, the combination of a body portion centrally cut away, the sides of

the body portion terminating in a base that is provided with a recess, ribs formed upon the inner sides of the body portion, lugs formed
35 upon each side of the ribs, flukes carried by the body portion and having shoulders arranged thereon that are adapted to engage the said lugs when the flukes are closed, substantially as and for the purpose specified. 40

4. In a post-anchor, the combination of a body portion having a centrally cut-out portion, the sides of the body terminating at their lower ends in a base that is recessed upon its upper side, a cross-bar connecting
45 the said sides, flukes having their lower ends provided with a curved portion each being adapted to fit within the recess of the base, the said flukes also having a recess that engages the said cross-bar, a shoulder formed
50 upon the flukes adjacent the outer curved surface, said shoulders being adapted for engagement with the base when the flukes are in an open position, lugs formed upon the inner sides of the body portion, shoulders on
55 the flukes arranged for engagement with the lugs when the said flukes are in a closed position, all substantially as and for the purpose set forth.

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Witnesses:

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