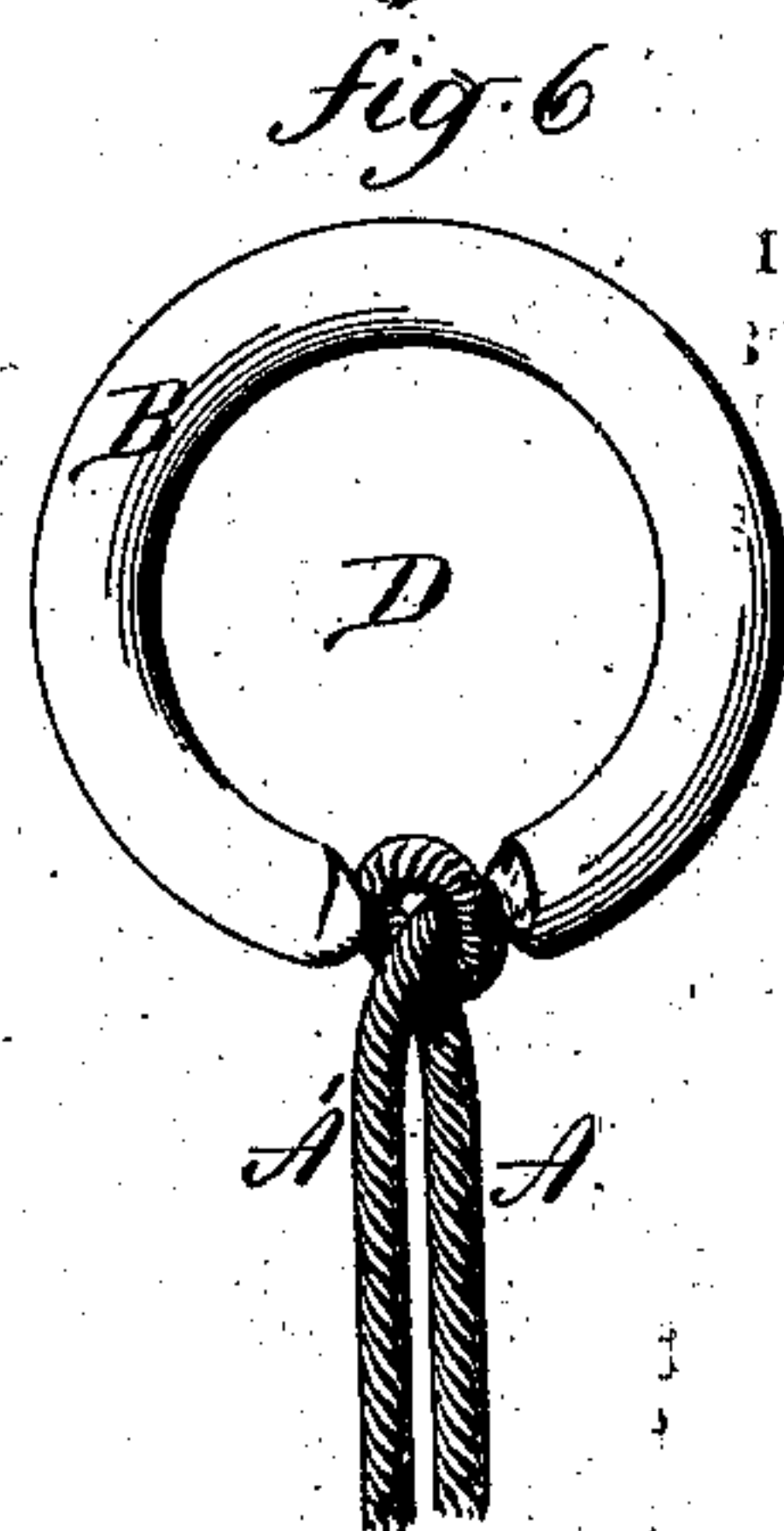
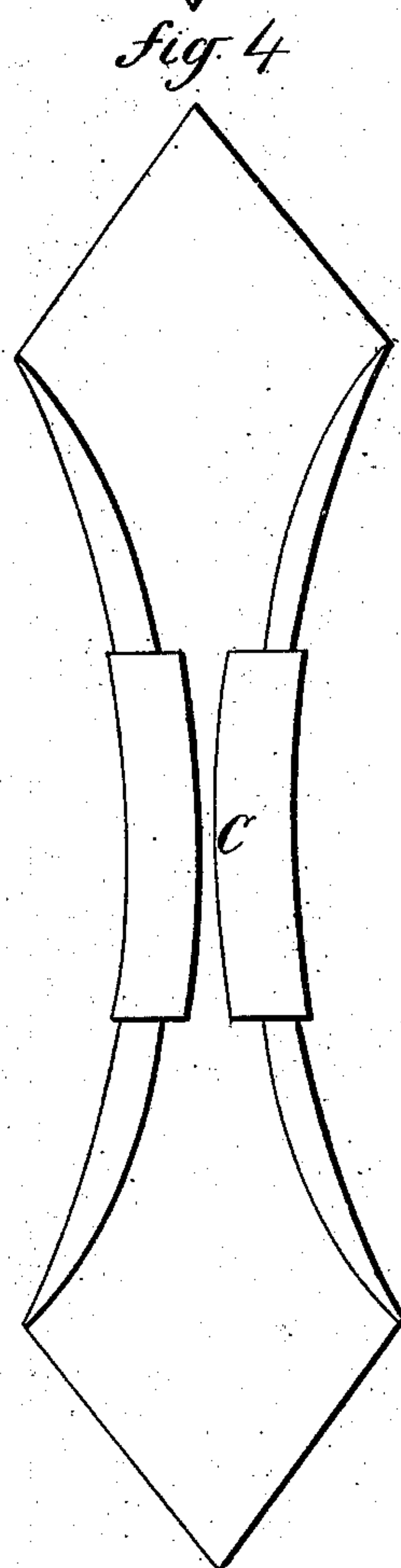
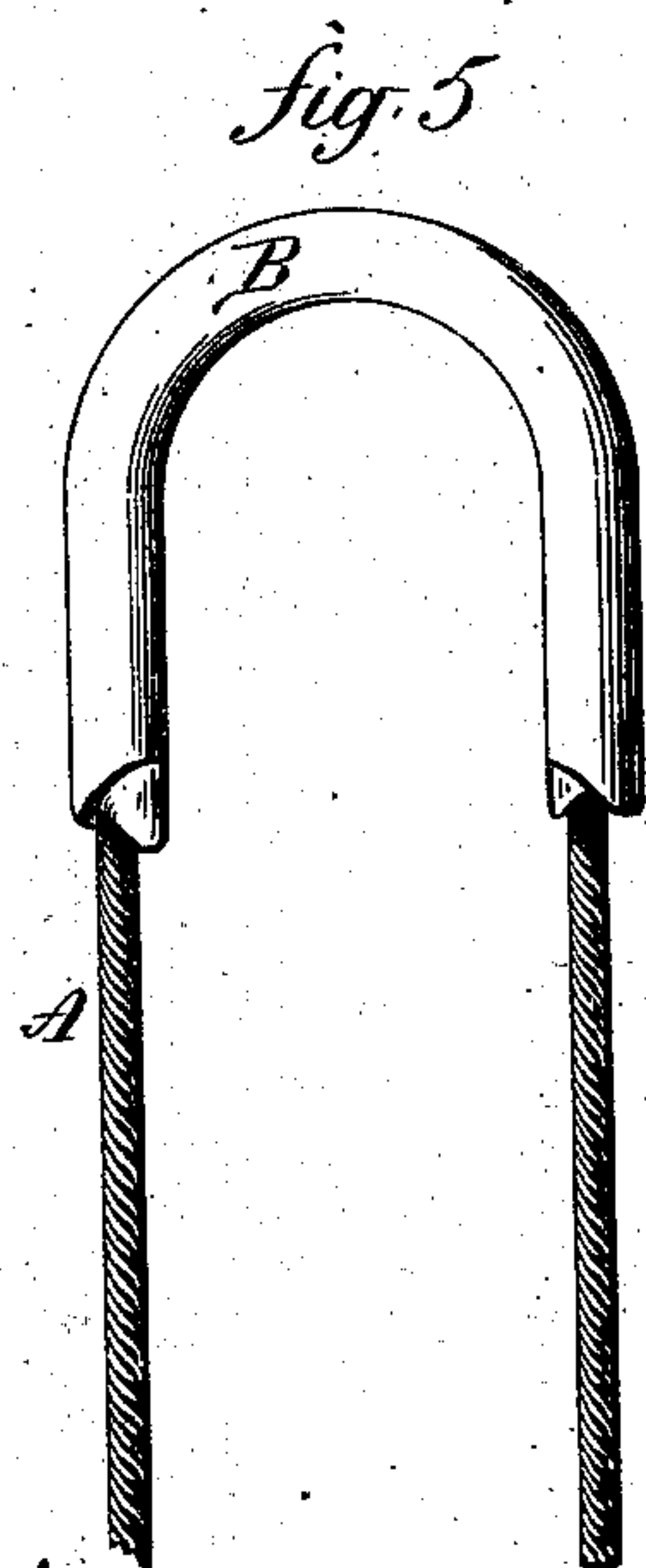
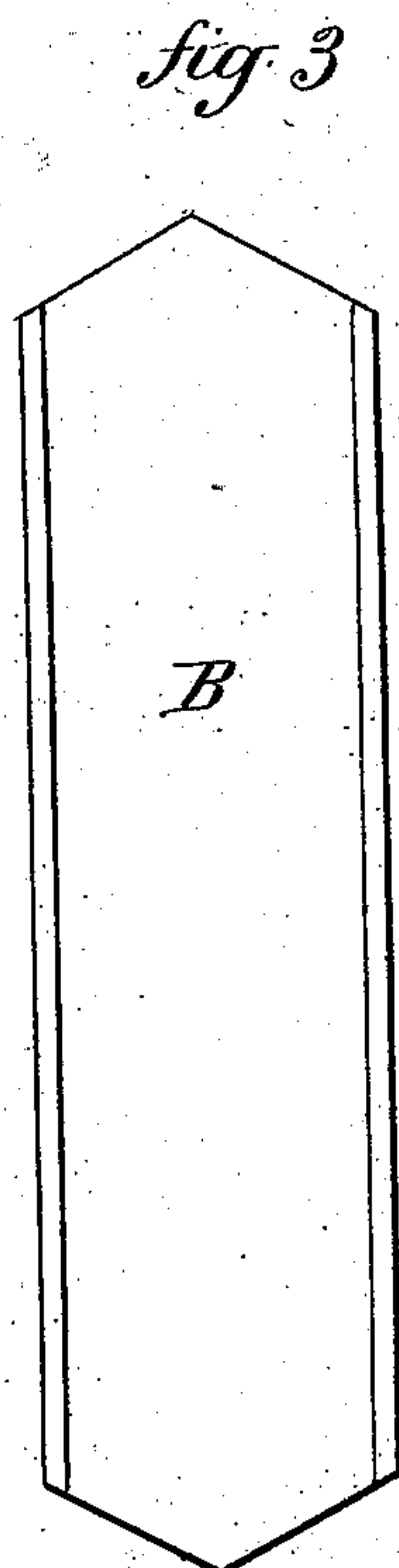
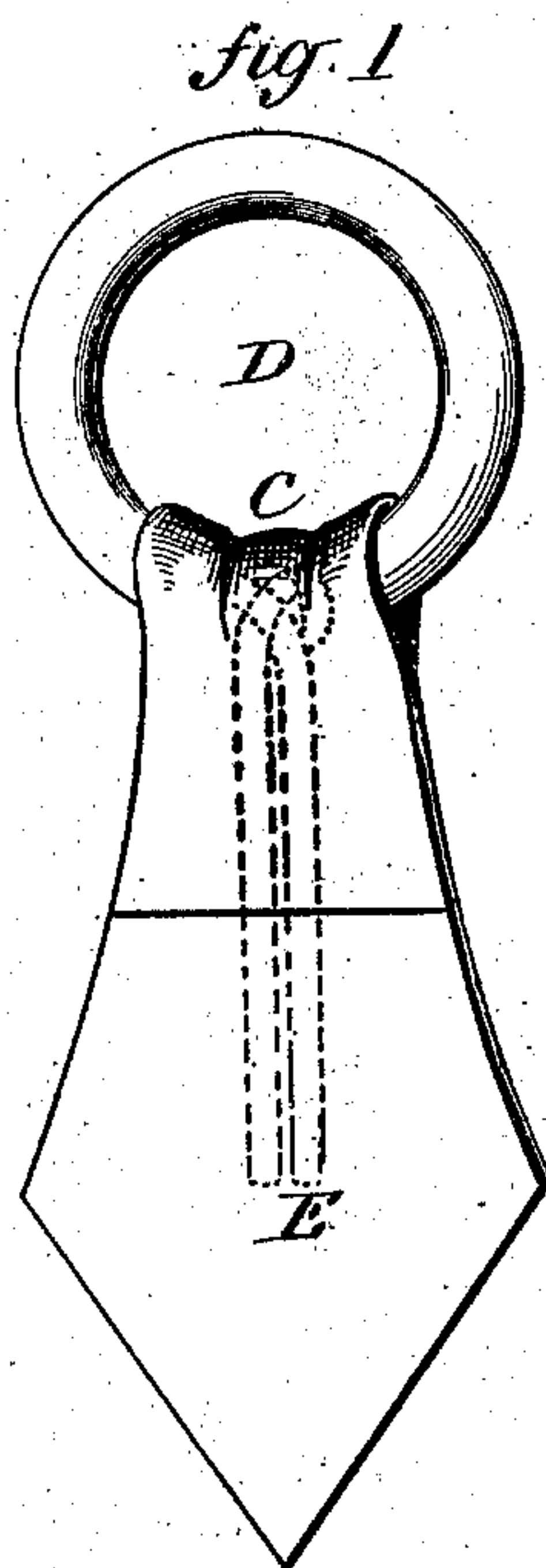
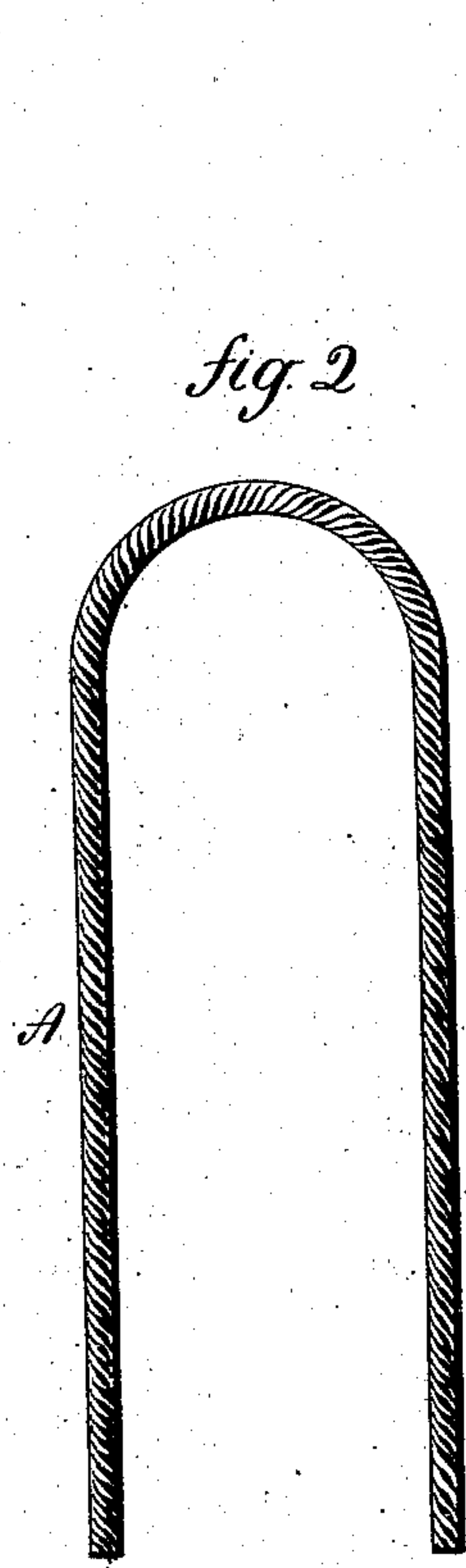


(Model.)

L. ELLIOTT.
Boot Strap.

No. 239,470.

Patented March 29. 1881.



Witnesses
J. H. Murray.
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Lewis Elliott.
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UNITED STATES PATENT OFFICE.

LEWIS ELLIOTT, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE L.
CANDEE & CO., OF SAME PLACE.

BOOT-STRAP.

SPECIFICATION forming part of Letters Patent No. 239,470, dated March 29, 1881.

Application filed February 19, 1881. (Model.)

To all whom it may concern:

Be it known that I, LEWIS ELLIOTT, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Boot-Straps; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which
10 said drawings constitute part of this specification, and represent, in—

Figure 1, the strap complete; Figs. 2, 3, and 4, the three parts of which the strap is composed. Figs. 5 and 6 illustrate the method of
15 manufacture.

This invention relates to an improvement in boot-straps, with special reference to india-rubber boots, the object being to make a strong and durable strap having the shape of a ring; and the invention consists in the construction
20 as hereinafter described, and particularly recited in the claim.

I first take a piece of strong cord, A, Fig. 2, of the required length and cover the middle
25 or central portion of it with a thick coating of rubber or combination of rubber and fabric. This covering B (shown detached in Fig. 3) is placed around the cord in Fig. 5. The extent of this covering is such that when the two extremes are brought together, as in Fig. 6, they
30 will form a ring-shape of sufficient size for the insertion of the finger in pulling on the boot. The ends of the cord project to a considerable extent beyond the extremes of the covering B, and when the extremes of the covering are
35 brought together, as in Fig. 6, the two strands A A' are interlaced, as by a knot, at the point where the two extremes of the covering come together, as seen in Fig. 6. A loop is next
40 formed, substantially as seen in Fig. 4, from prepared fabric and rubber, made strong at its center, C, and gradually expanding there-

from, but thinner toward the ends. This piece is passed through the ring D and doubled over the interlaced part of the cords, as seen
45 in Fig. 1, the two ends of the loop brought together, one each side the two strands A A' of the cord and so as to inclose those strands, as indicated in broken lines, Fig. 1. This completes the strap. It is applied to the boot in
50 the usual manner of applying straps, preferably so that the ring will stand above the top edge of the leg, the doubled ends E of the loop between the two thicknesses of which the leg is composed.
55

It will be understood that the material of which the loop is composed is of such a nature, or prepared so that it will adhere to the parts of the leg, and so that the process of
60 vulcanization will make the attachment permanent. Rivets, however, may be applied, if desirable.

The strands of the cord extending directly downward between the ends of the loop adhere to the parts of the loop, so that in pull-
65 ing upon the ring the strain is taken both by the central part, C, of the loop and the strands A A'. This construction makes the strap simple, cheap, and of a most desirable character.

I claim—

The herein-described boot-strap, consisting of a cord covered a portion of its length, the covered portion bent into ring-shape, and the two strands of the cord united at the meeting
70 ends of the covering, combined with a loop over said meeting ends of the covering and union of the strands, said loop constructed for attachment to the boot, substantially as described.

LEWIS ELLIOTT.

Witnesses:

JOHN E. EARL,
L. D. ROGERS.