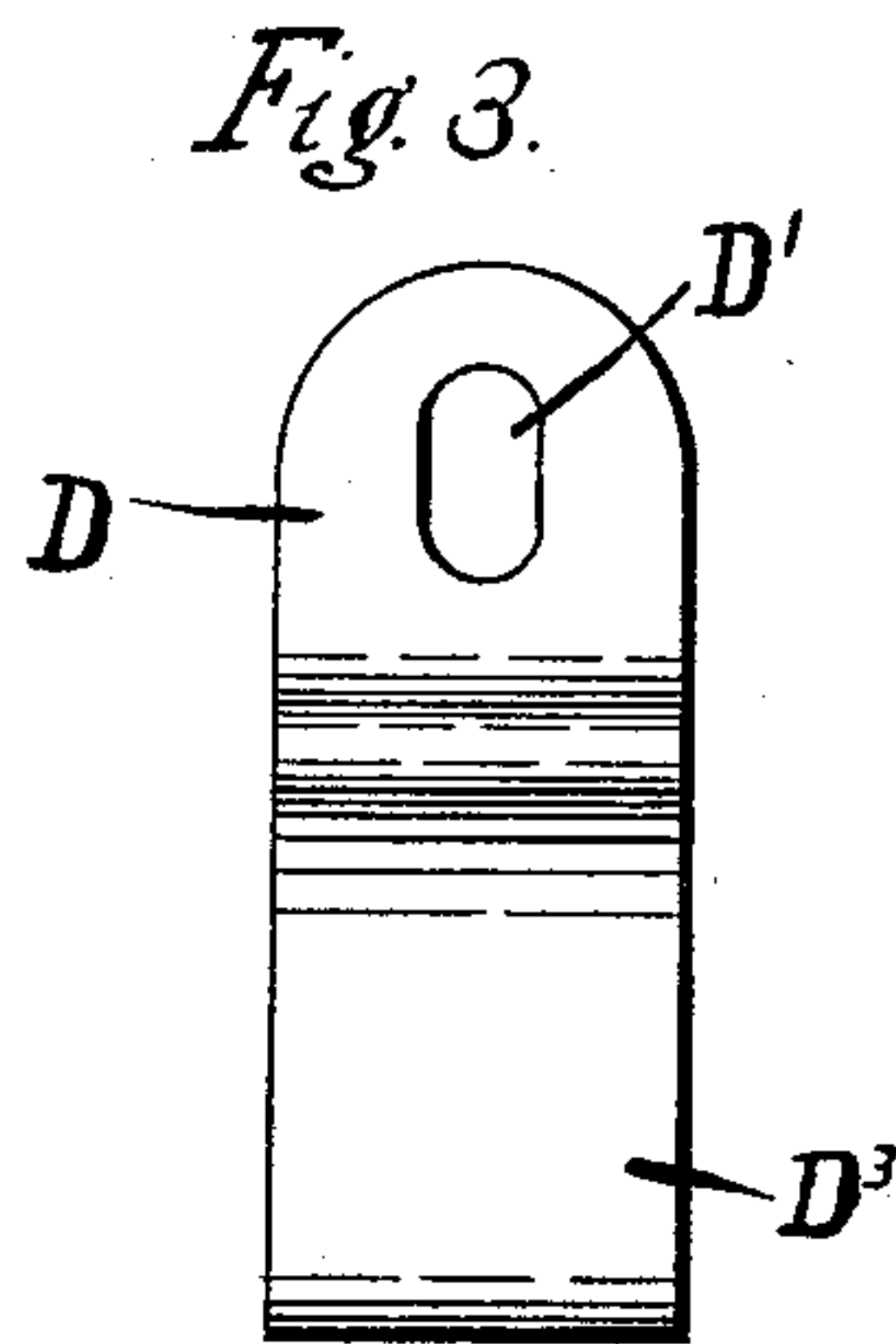
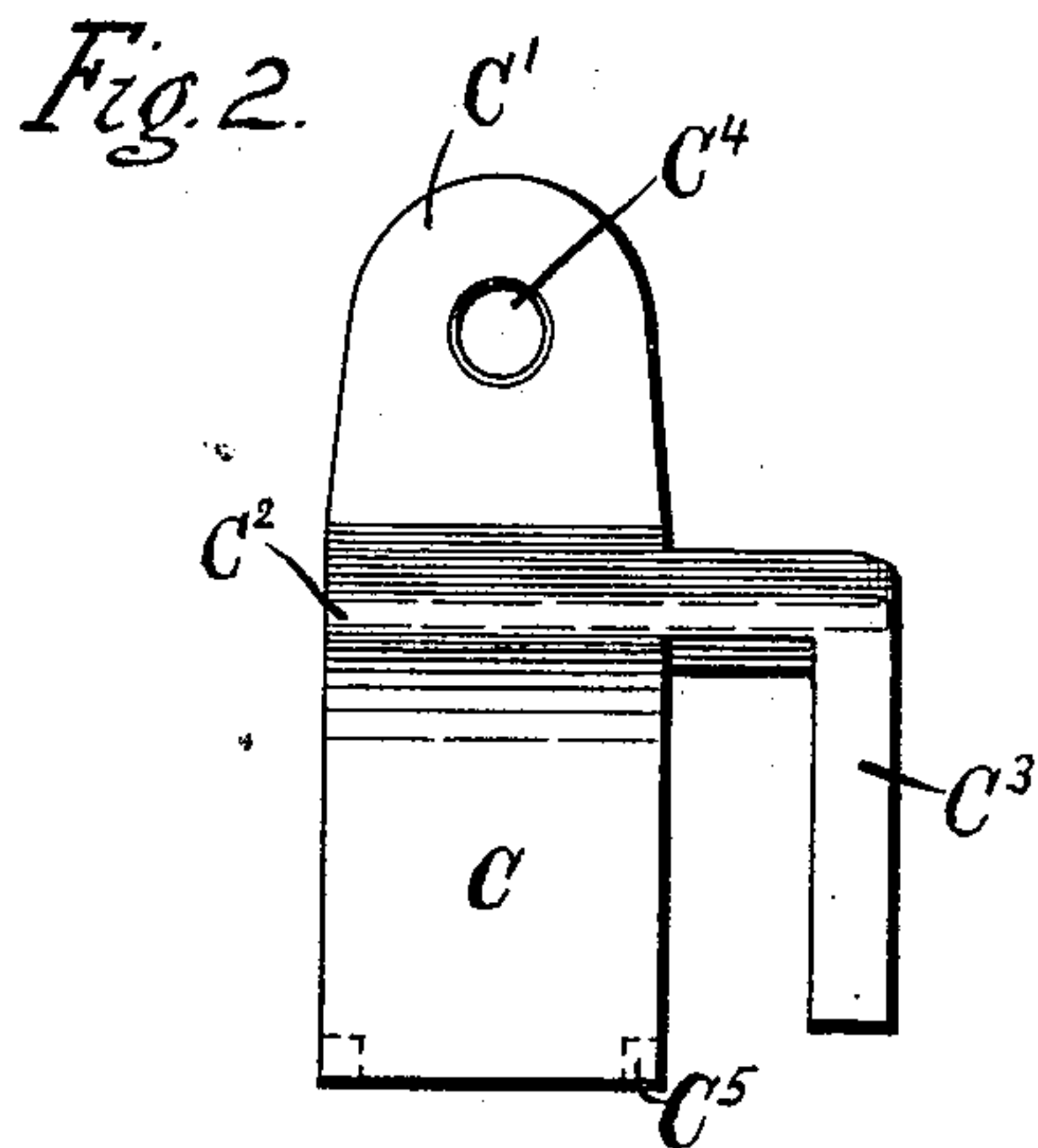
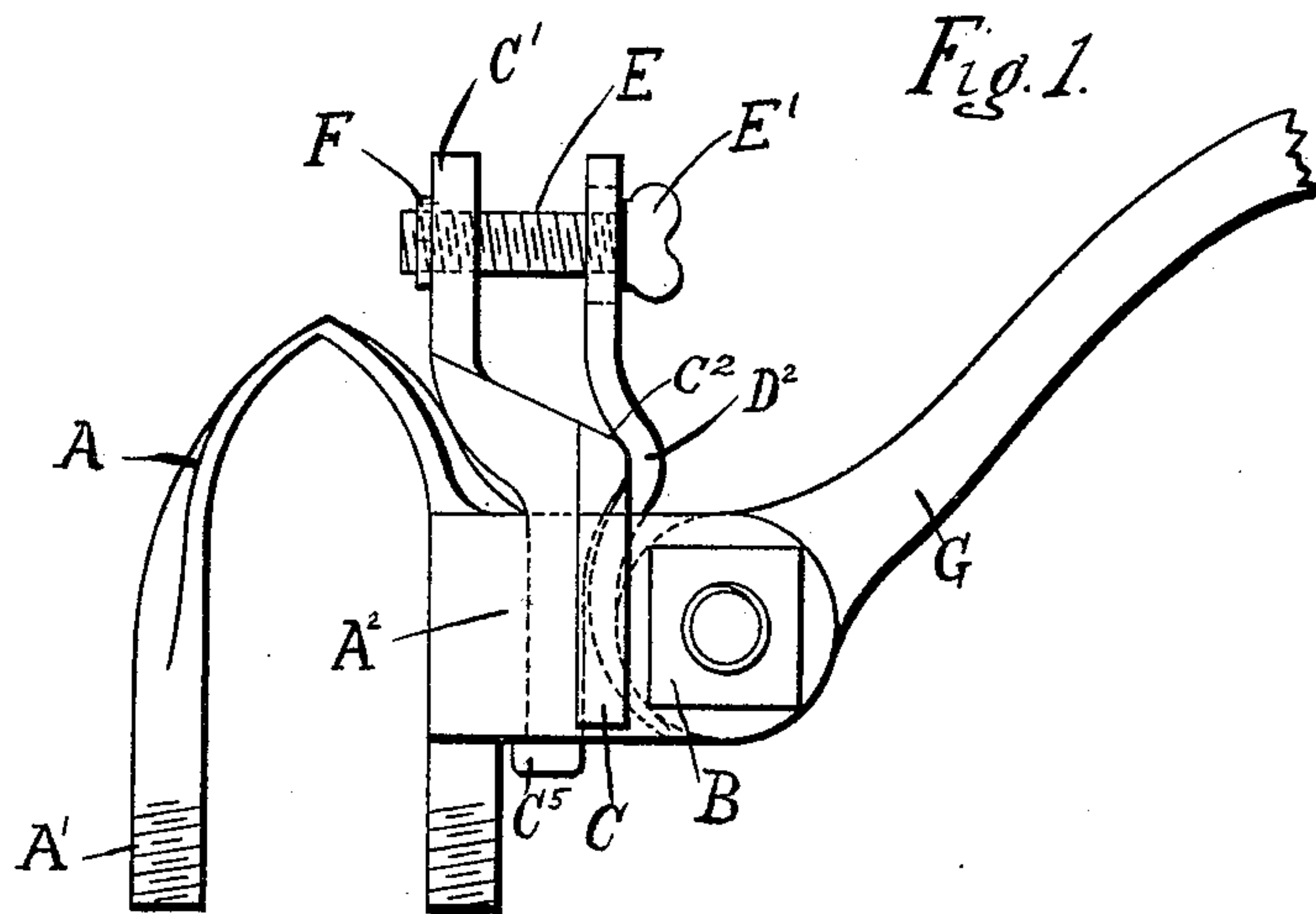


(No Model.)

J. PETERS.
THILL COUPLING.

No. 390,188.

Patented Sept. 25, 1888.



WITNESSES:

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JOHN PETERS, OF POTTSTOWN, PENNSYLVANIA, ASSIGNOR OF ONE-HALF
TO IRWIN Y. KRAUSE, OF SAME PLACE.

THILL-COUPLING.

SPECIFICATION forming part of Letters Patent No. 390,188, dated September 25, 1888.

Application filed February 10, 1888. Serial No. 263,598. (No model.)

To all whom it may concern:

Be it known that I, JOHN PETERS, a citizen of the United States, residing at Pottstown, in the county of Montgomery and State of Pennsylvania, have invented certain new and useful Improvements in Thill-Couplings; and I do 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 ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

15 My invention is adapted particularly to be used with the ordinary form of thill-coupling, consisting of a clip secured to the fore axle and having a bifurcated arm to which the thill-iron is coupled by means of a horizontal bolt.

20 It consists of a gib and adjustable liner adapted to be placed between the head of the thill-iron and the clip.

Figure 1 is a side view of an ordinary thill-coupling with my device in position. Fig. 2 is a front view of the gib-piece, and Fig. 3 a similar view of the liner.

A represents the axle clip of the thill coupling formed with bifurcated arm A².

30 B is the nut on the draft-bolt connecting the thill iron G with the coupling.

C is a gib adapted to be placed in the bifurcated arm and formed with a projection, C², and a lug, C¹, with tapped hole C¹; also with a bent arm, C³, and heel-pieces C⁵.

35 The liner D is curved at the bottom D³ to correspond with the head of the thill-iron, slightly dished at D², and provided with an oblong hole, D¹, at the top.

40 The screw E is preferably formed with a convenient head, E¹, for ready adjustment, and is provided with a jam-nut, F, to lock it when properly adjusted, if desired.

45 The bent arm C³ of the gib is adapted to span one side of the bifurcated arm A² and run close to the side of the nut B, so as to prevent the latter from turning, thus serving as a lock to the draft-bolt.

The device may be attached or removed readily while the thills are coupled. The combined thickness of the gib and liner on line 50 with the draft-bolt is designed to be somewhat less than the space between the thill-head and the clip, so that the gib may first be put in position, the liner then entered in a slanting direction and the dished part D placed over the 55 projection C² of the gib, which serves as a fulcrum for the liner. The adjusting-screw is then passed through the oblong hole D² and screwed into the gib-hole C¹ until the lower curved face, D³, touches the head of the thill- 60 arm. This curve extends under the head so as to prevent the device from lifting out of position, though the heel-pieces C⁵ on the gib may be used as an additional guard.

When desirable, the gib and liner can be in- 65 serted from the bottom instead of the top without material change.

The construction shown may be varied from and yet involve the main points of my invention, as set forth in the following claims, which 70 I desire to secure—

1. In a thill-coupling, the gib C, with intermediate fulcrum, C², in combination with the liner D, fulcrumed on said gib, and with an adjusting-screw, all arranged and adapted to 75 operate substantially as set forth.

2. In a thill-coupling, the gib C, with intermediate fulcrum, C², and heel C⁵, in combination with the liner D, fulcrumed on said gib, and with an adjusting-screw, substantially as 80 and for the purpose set forth.

3. In a thill-coupling, the gib C, with nut-lock arm C³, in combination with the adjustable liner D, substantially as and for the purpose set forth. 85

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

JOHN PETERS.

Witnesses:

W. G. STEWART,
HERBERT R. GREEN.