

No. 892,966.

PATENTED JULY 7, 1908.

R. H. SULLIVAN.

CLEVIS.

APPLICATION FILED FEB. 8, 1908.

Fig. 1.

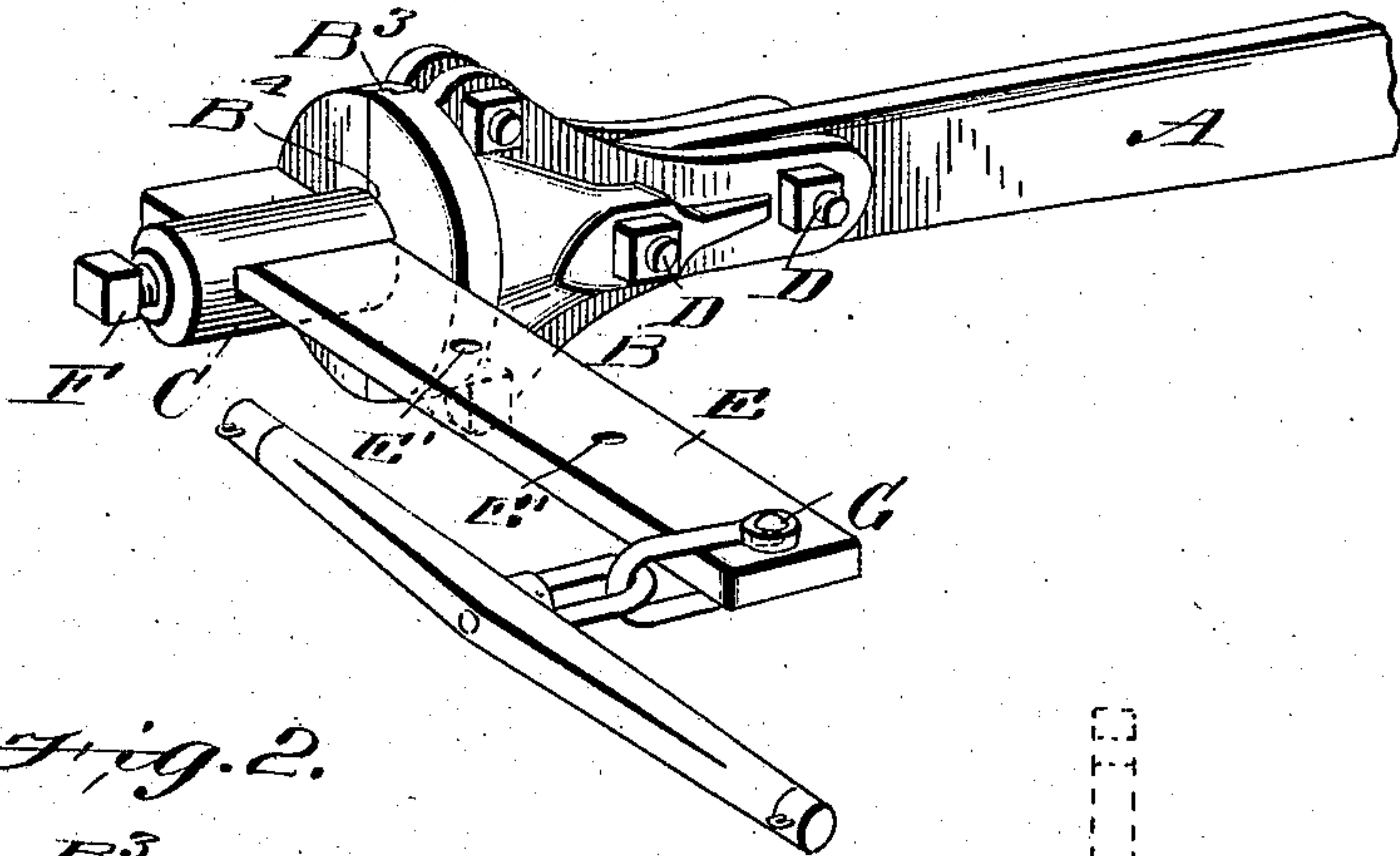


Fig. 2.

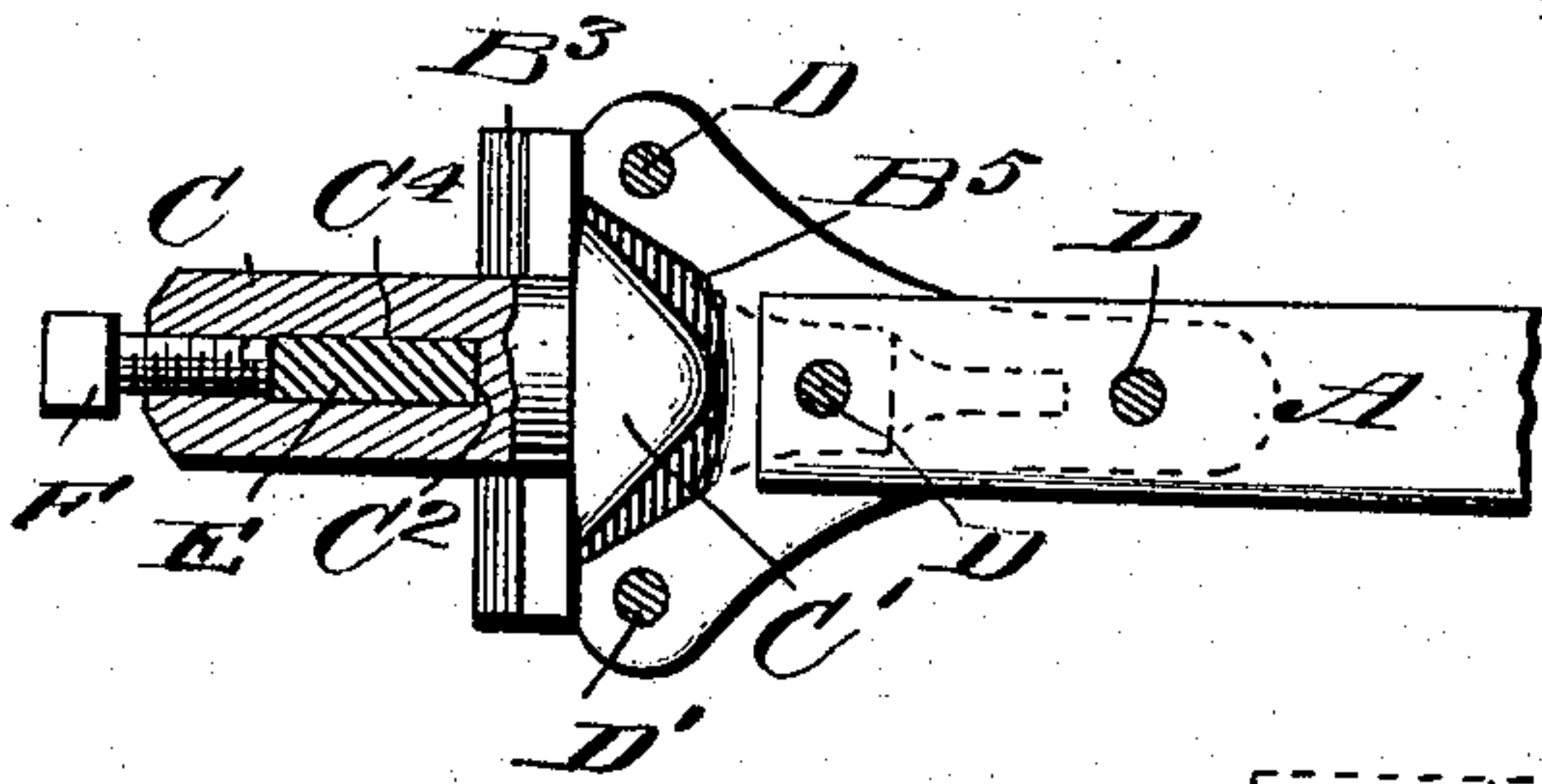


Fig. 4.

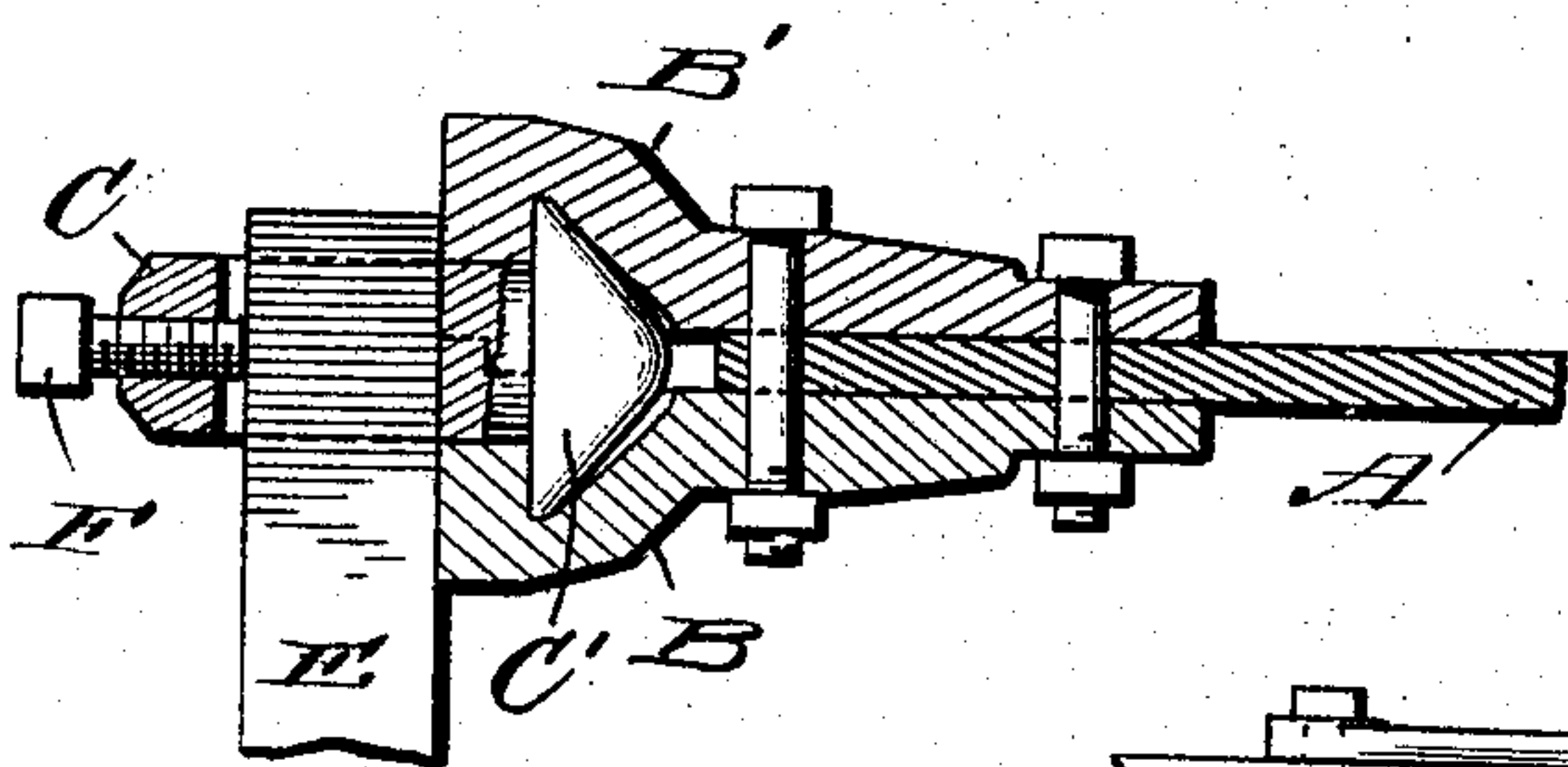


Fig. 3.

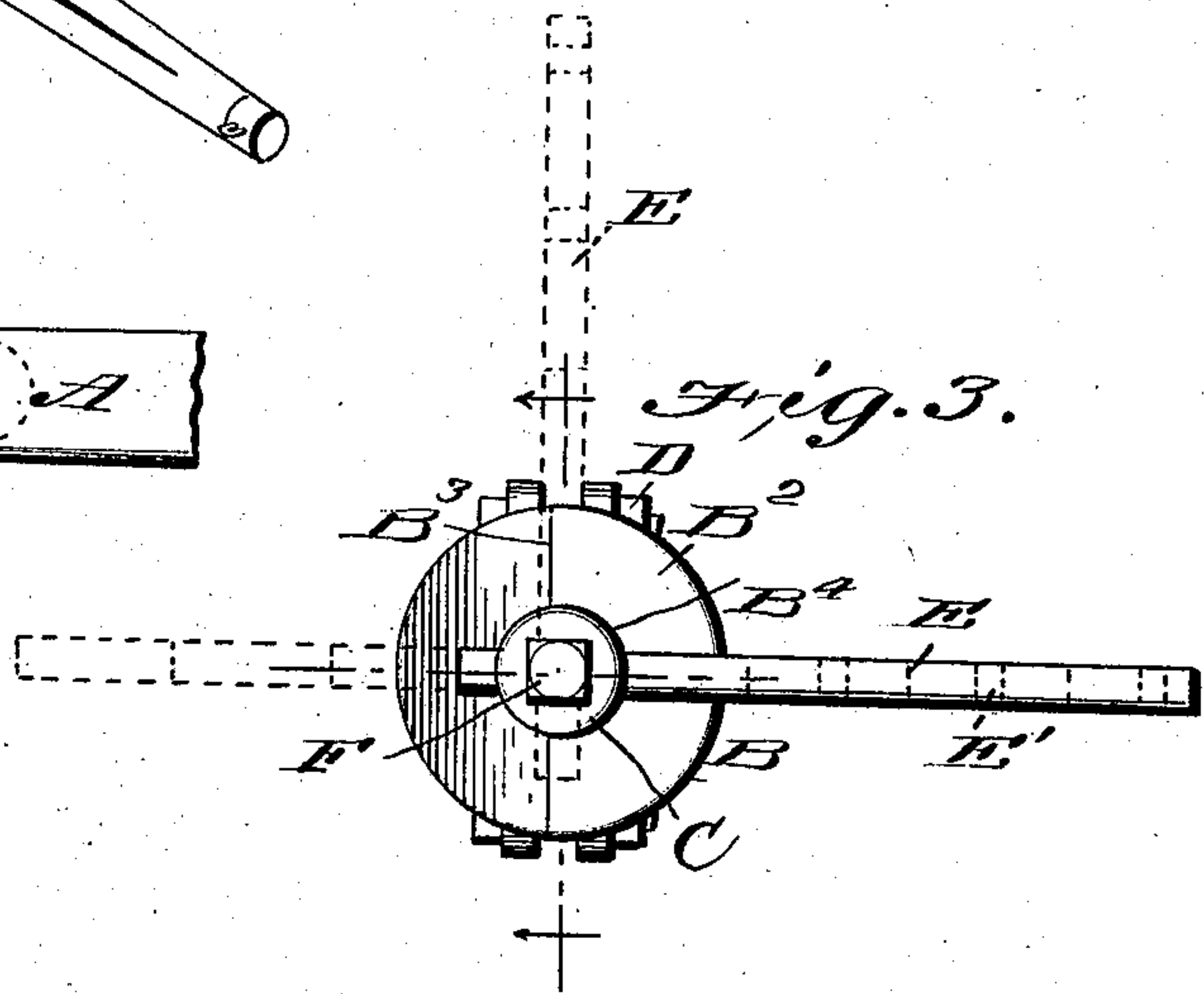


Fig. 5.

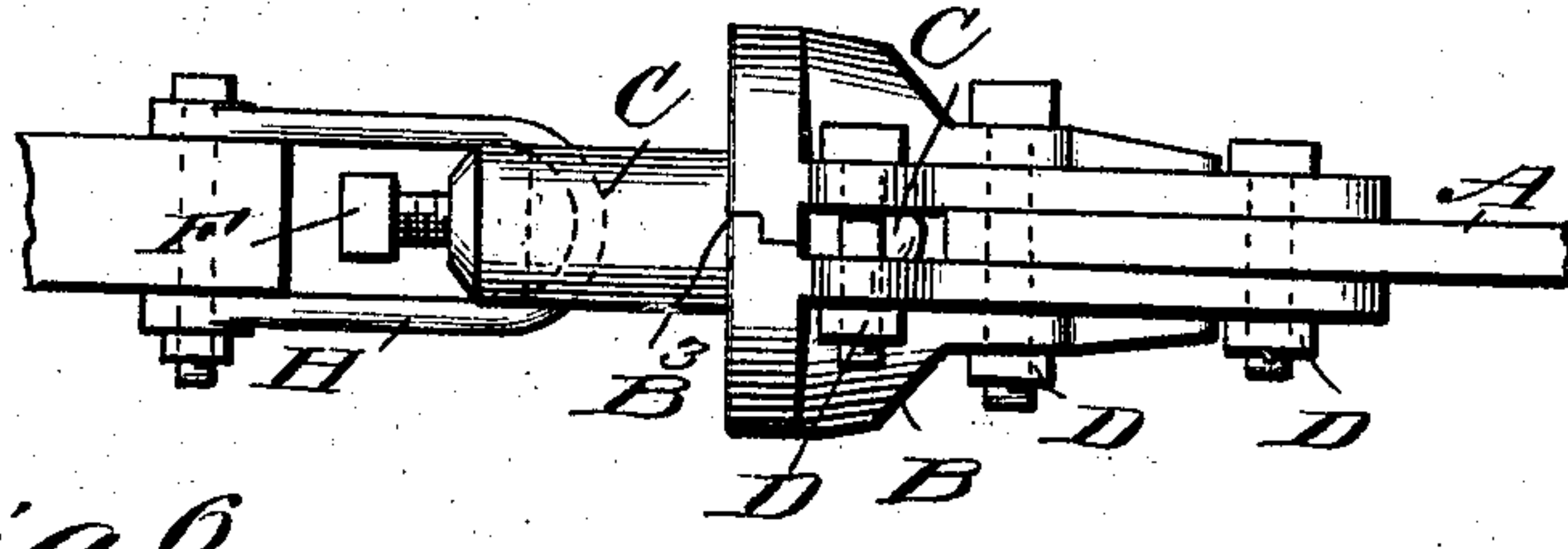
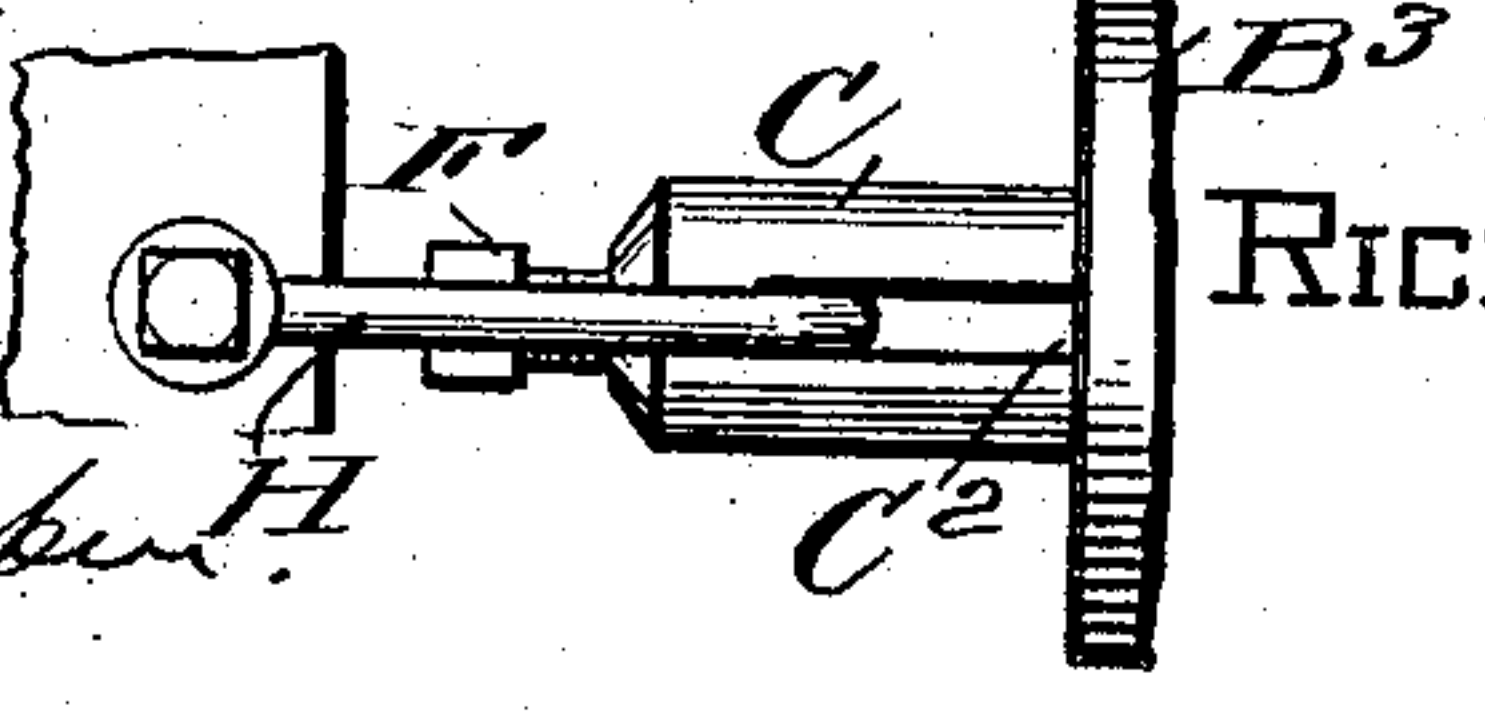


Fig. 6.

WITNESSES
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UNITED STATES PATENT OFFICE.

RICHARD H. SULLIVAN, OF MOUNT VERNON, WASHINGTON, ASSIGNOR OF ONE-HALF TO CARROLL BARRETT, OF MOUNT VERNON, WASHINGTON.

CLEVIS.

No. 892,966.

Specification of Letters Patent.

Patented July 7, 1908.

Application filed February 8, 1908. Serial No. 414,887.

To all whom it may concern:

Be it known that I, RICHARD H. SULLIVAN, a citizen of the United States, and a resident of Mount Vernon, in the county of Skagit and State of Washington, have invented certain new and useful Improvements in Clevises, of which the following is a specification.

This invention is an improvement in clevises and has for an object to provide a construction which will facilitate the application of the draft in any desired manner; and the invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing Figure 1 is a perspective view of the clevis as in use, the plow beam being broken away. Fig. 2 is a vertical longitudinal section thereof. Fig. 3 is a front view of the clevis, the different positions of the draft bar being indicated in dotted lines. Fig. 4 is a horizontal section of the clevis with the draft bar applied, and Figs. 5 and 6 are detail views showing a somewhat different construction from that presented in the other figures.

The beam A may be any ordinary plow beam, the invention being designed for application to any of the common forms of plow beams in ordinary use. To this plow beam is applied a holder B, preferably at its front end, and a broad face plate B² composed of two halves or sections, one being on each of the sections B' as shown. The face plate sections have a rabbeted joint at B³, and the face plate is provided with a central opening B⁴ in which journals the revolving shaft C whose head C' operates in a socket B⁵ within the holder, the said head C' bearing back of the face plate B², as best shown in Fig. 2 of the drawing.

The sections B' of the holder lap on opposite sides of the beam A and are secured thereto by bolts D, which also pass through the beam A, as shown in Figs. 1, 2 and 4 of the drawing, and bolts D' connect the sections B' in advance of the beam, on opposite sides of the head C' and comparatively close to the face plate B², as shown in Fig. 2 of the drawing. By this construction the holder is fastened securely to the beam A, and the shaft C carried by the holder is free to turn in the face plate and is held thereto as against forward movement by the bearing of the head C' back of the said plate.

This shaft C has a transverse slot C⁴ whose bottom wall C² is distant from the shoulder of the head C' less than the thickness of the face plate so that when the draft bar E is passed through the slot C⁴ and is clamped by the screw F at the front end of the shaft C, the shaft will be held in position and the draft bar E will be held in said shaft, the screw F securing both such results, as will be understood from Figs. 1, 2 and 3 of the drawing.

The draft bar E is preferably provided with a series of openings E' for the passage of the bolt G securing the draft devices in connection with the bar, and such draft devices may be a swingle-tree, double-tree or other suitable construction, as will be understood from the drawing.

By loosening the screw F the draft bar may be turned vertically above or below the coupling or arranged to project laterally to either side, see full and dotted lines Fig. 2, and may be clamped in such position by tightening the screw F. This enables me to exert a down draft, an up-draft or any desired side draft, and also permits one to plow close to a fence or alongside any other obstruction by properly arranging the draft bar so as to move out of the line of such obstruction.

When the central draft is desired, the draft bar E may be removed and a clevis H be applied to the shaft as shown in Figs. 5 and 6.

Manifestly the draft bars E may be supplied in different lengths and used interchangeably to secure the extent of side draft desired.

By the improved device I am able to secure a greater scope of action at the side, bottom or top, and the hitch may be adjusted to any desired extent without unhitching the team and this adjustment can be easily accomplished in the field or elsewhere.

I claim—

1. The combination substantially as herein described of a beam, a holder composed of opposite sections fitting on opposite sides of the beam and having at their front ends a face plate formed partially on each of the sections with a rabbeted joint at the juncture of the face plate sections, the said face plate having a shaft opening, and a socket in rear thereof, a shaft journaled in said opening and having in rear of the face plate a head

fitting in the socket of the holder, the said shaft having a transverse slot in advance of the face plate adapted to receive a draft bar, a draft bar fitting in said slot, and a clamping screw turning through the front end of the shaft and engaging the draft bar whereby to clamp the same and the journaled shaft in position, substantially as set forth.

2. The combination of a holder having a face plate provided with a shaft opening and with a socket in rear of said face plate, a shaft journaled in said opening and having a head in the socket of the holder and bearing against the back of the face plate thereof, the said shaft having a slot in advance of the face plate, a draft bar in said slot, and clamping means, substantially as set forth.

3. The improvement in clevises herein described comprising a holder having a face plate with a shaft opening and a socket in rear thereof, a shaft journaled in said opening and having a head in rear of the face plate, and a transverse opening in advance thereof in which a draft bar may be adjusted laterally, substantially as set forth.

4. In a clevis, the combination of a holder composed of sections and having at its front end a face plate formed partially on the sections with a rabbeted joint between the sections of the face plate, and a shaft opening in the face plate, and a shaft journaled in the said opening and held to the face plate and having means for connection of draft devices, substantially as set forth.

5. A clevis comprising a holder, a shaft journaled in the holder and having a trans-

verse slot in advance of the holder, a draft bar movable longitudinally in the said slot, and a clamp operating upon the draft bar and adapted to clamp the same and the shaft in position, substantially as set forth.

6. The combination in a clevis of a holder composed of sections, bolts connecting said sections and adapted to secure the same to a plow beam, bolts connecting the sections outside the plow beam, the sections having at their front ends plates combining to form a face plate provided with a central opening, a shaft journaled in said opening and having a transverse slot, a draft bar operating in said slot, and clamping means, substantially as set forth.

7. The improvement in clevises herein described comprising a holder having a face plate with a shaft opening, and a socket in rear of said face plate, a shaft journaled in said opening and having a head in the socket and bearing against the back of the face plate thereof, said shaft extending in advance of the face plate, and having a slot in its forwardly projecting portion, a draft bar in said slot and bearing at its rear edge against the face plate, and a screw turning through the front end of the shaft against the draft bar and pressing the latter against the face plate, all substantially as and for the purposes set forth.

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Witnesses:

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