

(No Model.)

H. H. BUTLER.

PLow CLEVIS.

No. 344,245.

Patented June 22, 1886.

Fig. 1.

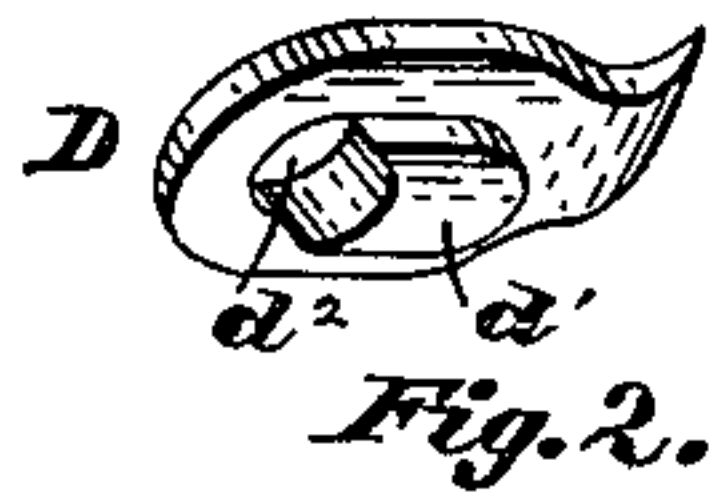
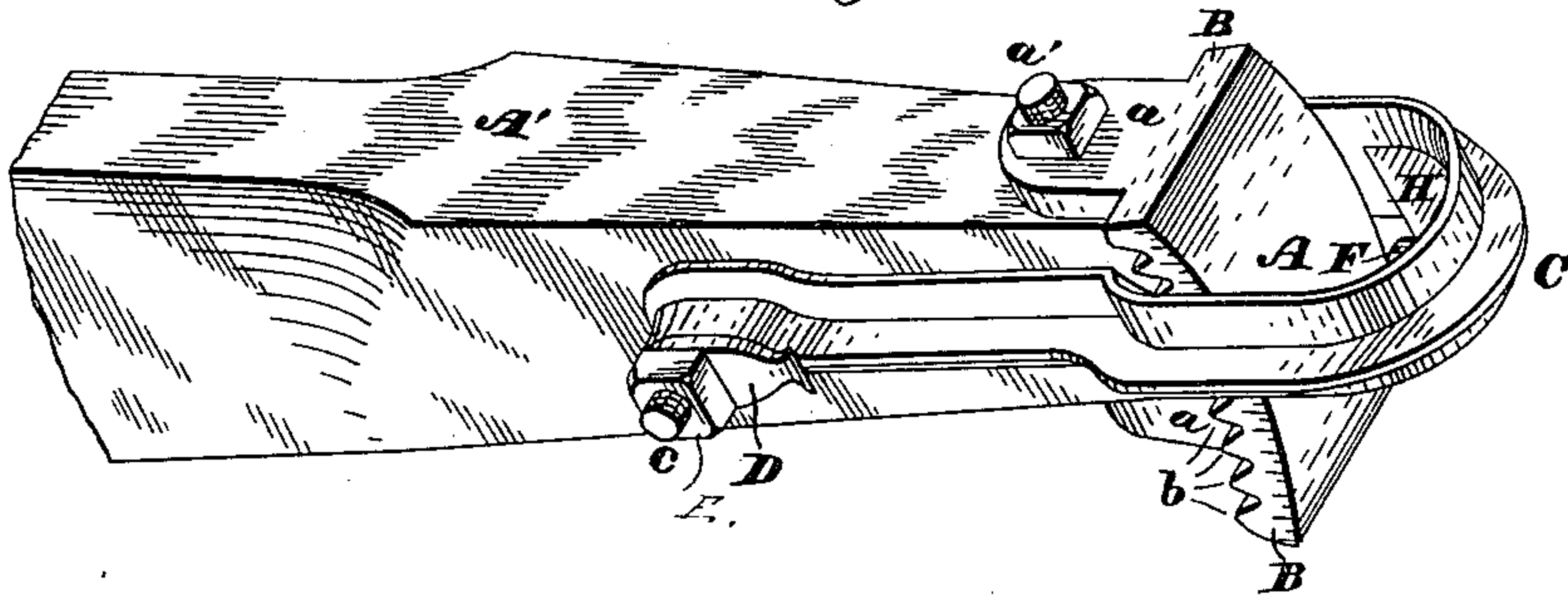


Fig. 2.

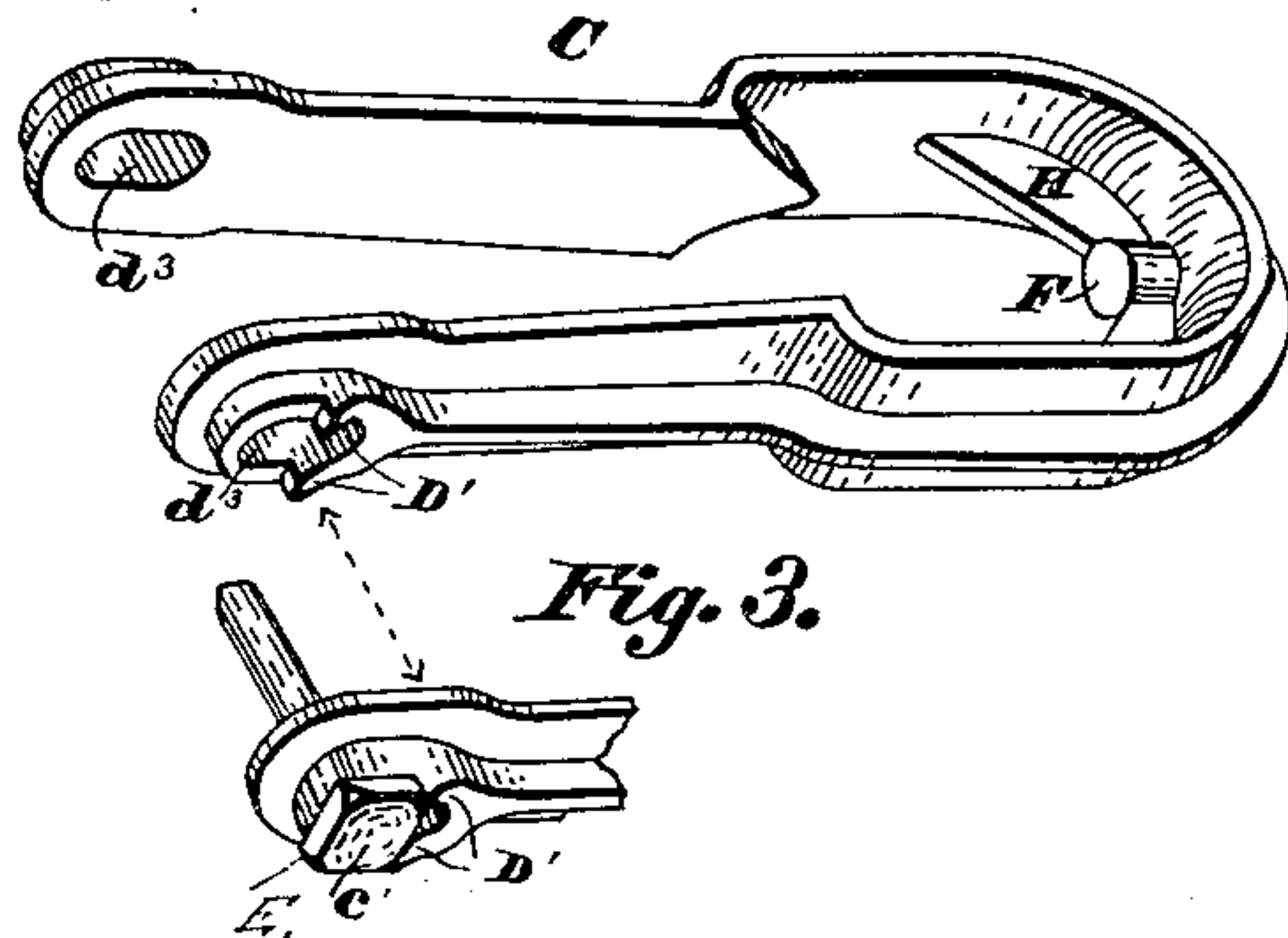


Fig. 3.

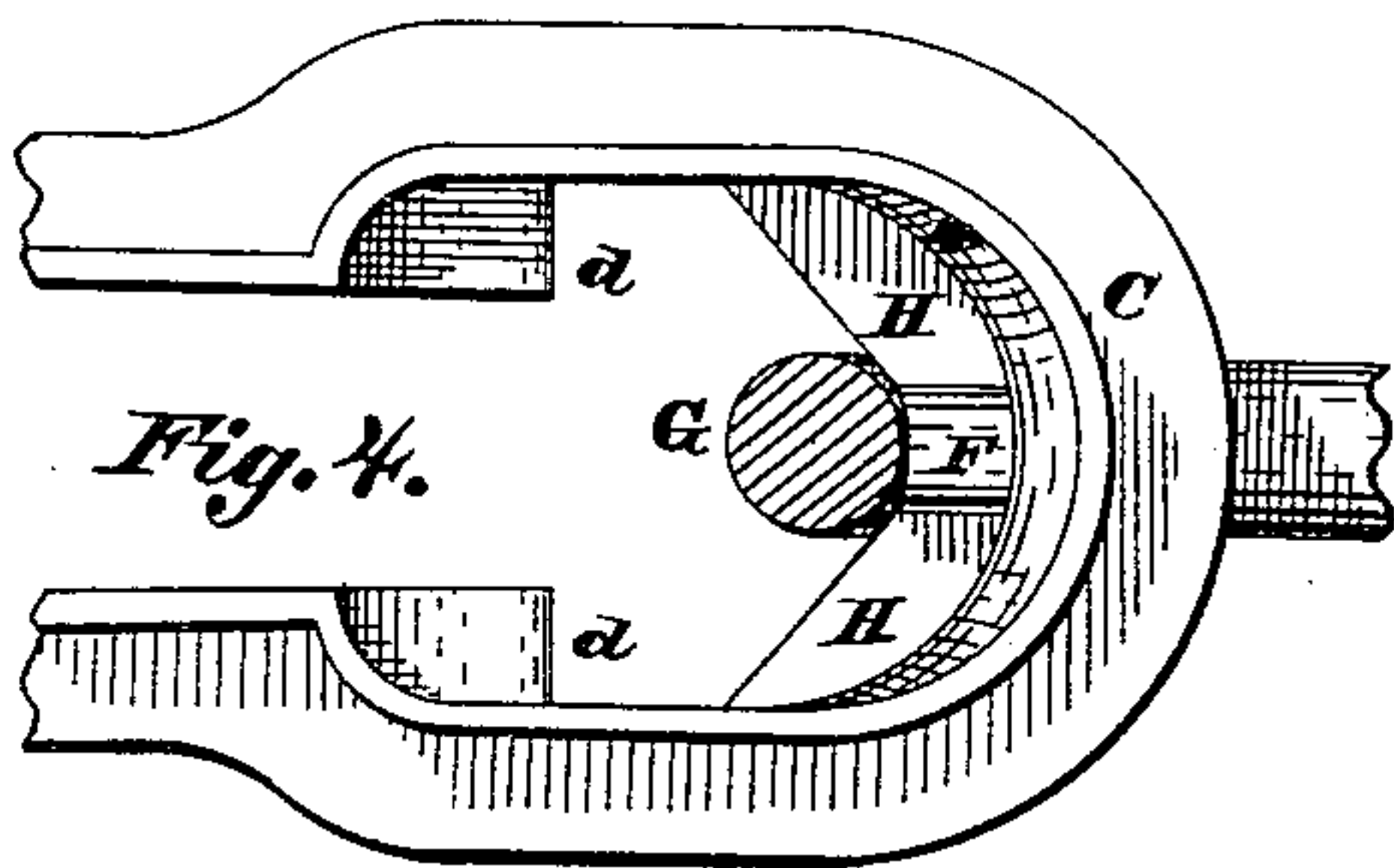


Fig. 4.

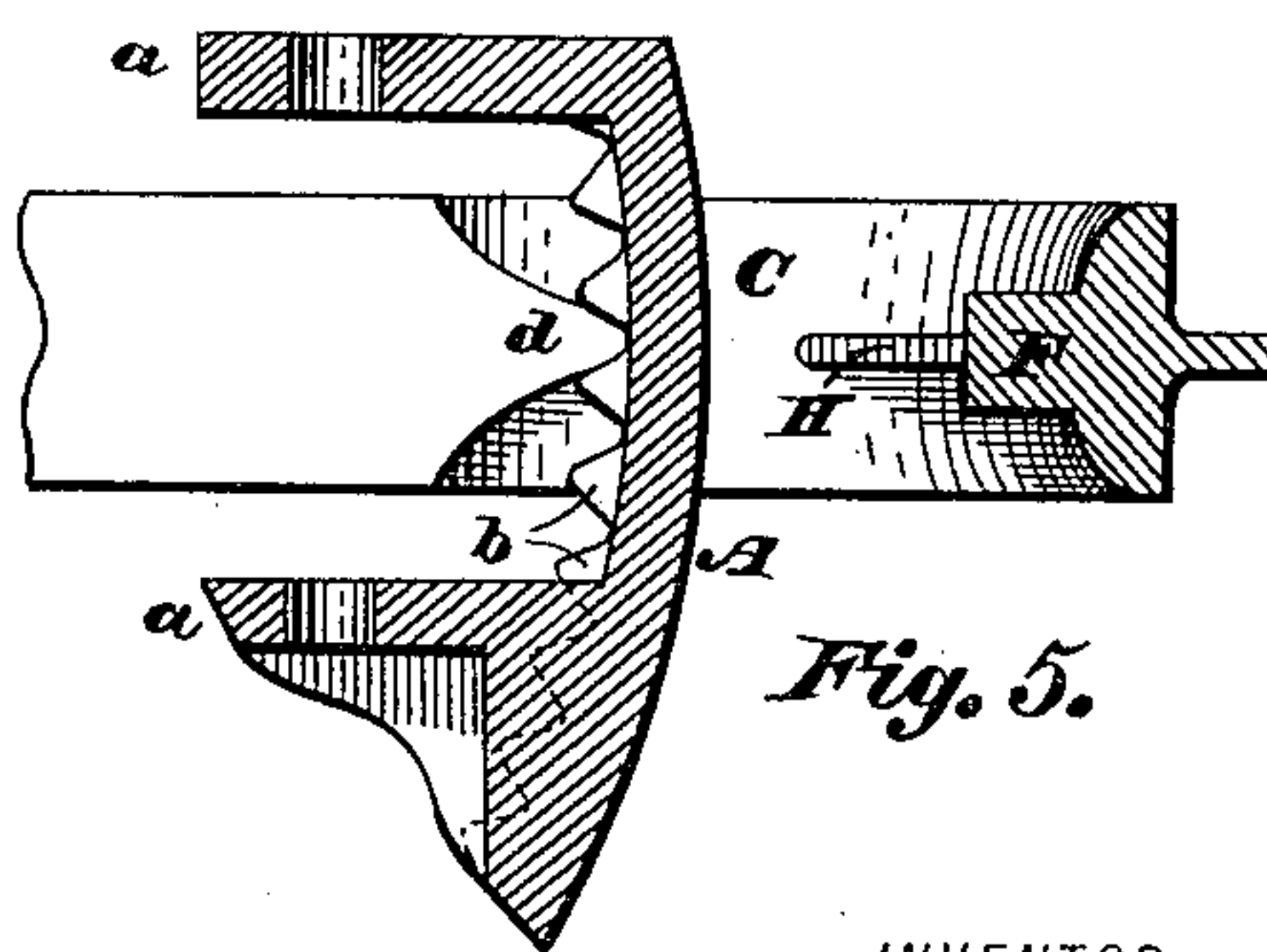


Fig. 5.

WITNESSES

Harry Frease
Edw

INVENTOR,

Howard H. Butler.
By his Attorney,
Fred W. Burch

UNITED STATES PATENT OFFICE.

HOWARD H. BUTLER, OF CANTON, OHIO.

PLOW-CLEVIS.

SPECIFICATION forming part of Letters Patent No. 344,245, dated June 22, 1886.

Application filed January 21, 1886. Serial No. 189,335. (No model.)

To all whom it may concern:

Be it known that I, HOWARD H. BUTLER, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Plow-Clevises; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon, in which—

Figure 1 is a perspective view showing the clevis properly attached to a plow-beam. Fig. 2 is a detached view of the locking block or plate. Fig. 3 is a perspective view of the clevis-link, showing the crown-head and plow-beam removed; also showing a portion of the double-tree clevis. Fig. 4 is a top view of the clevis-link, showing the double-tree clevis properly located on the forward end of said clevis-link. Fig. 5 is a section of the crown-head, showing the beam removed and the clevis-links properly locked.

The present invention has relation to plow-clevises designed and calculated to be attached to the front or forward end of a plow-beam; and its nature consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents the crown-head, which is substantially of the form shown in the drawings, and is securely attached to the forward end of the beam A' by means of the lips or extensions *a a* and the clamping-bolt *a'*. The crown-head A is provided with the cogs or teeth *b*, which cogs or teeth are formed in the side flanges, B, and are located substantially as shown in the drawings. The inner faces of the flanges B fit against the side faces of the beam A', thereby assisting in holding the crown-head A in proper position on the end of the beam A'. The clevis-link C is substantially of the form shown in the drawings, and is attached to the beam A' by means of the clamping-bolt *c*. This clevis-link C is provided with the cogs or wards *d*, which are located upon the inner faces of said clevis-link, and are for the purpose of engaging the cogs or teeth *b*, and also adjusting the clevis-

link, either up or down, within the limits of the cogs or teeth *b*.

For the purpose of locking the clevis-link C at any desired point, the locking block or plate D is provided, which may be substantially of the form shown in Fig. 2, and, as shown, is provided with the side lug or ear, *d'*, located in front of the aperture *d''*, and is for the purpose of fitting in the elongated slot *d'''*, thereby locking the clevis link C in proper position.

In use, when it is desired to change the location of the clevis-link C, the nut E is loosened sufficiently to permit the lug or ear to be withdrawn from the elongated slot *d'''*, when the clevis-link C can be forced backward, thereby disengaging the front or forward end of said clevis-link, when the same can be adjusted as desired, and the locking block or plate D placed in proper position. The front or forward end of the clevis-link C is provided with the inwardly-projecting lug or pin F, which may be substantially of the form shown in the drawings, and is for the purpose of receiving the rear portion of the double-tree clevis G, as shown in Fig. 4, thus providing a bearing-point for the double-tree clevis that will permit the plow to keep a perfectly straight line, and will not cause the plow to vibrate by reason of any vibration of the double-tree.

For the purpose of keeping the double-tree clevis on the lug or pin F when draft is applied, the fins or extensions H are located substantially as shown, so as to cause said double-tree clevis G to automatically adjust itself on the lug or pin F. The clevis-link C is provided upon one side with the extensions or shoulders D', which are for the purpose of abutting against the bolt-head *c'*, and thereby assisting in holding the clevis-link C in proper position. It will be seen that the clevis-link C will be securely held in proper position by means of the extensions or shoulders D', independent of the locking-block D.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the plow-beam A', having crown-head A, provided on its inner surface with a vertical series of rearward-projecting cogs, *b b*, of the clevis-link C, adjustably secured to said plow-beam and provided with forward-projecting lugs *d d*, to engage

the cogs on the inner surface of the crown-head, substantially as described.

2. The combination, with the plow-beam A' and clevis-link C, having cogs \bar{d} \bar{d} and elongated slots \bar{d}^3 \bar{d}^3 , of the bolt c and locking-plates D D, having apertures \bar{d}^2 and side lugs, \bar{d}' , substantially as described.

3. The combination, with the plow-beam and attached crown-head A, having a vertical series of rearward-projecting cogs, b b , of the clevis-link C, having forward-projecting lugs \bar{d} \bar{d} , to engage said cogs, and provided with elongated slots \bar{d}^3 \bar{d}^3 and shoulders D' D', and the bolt c , substantially as described.

4. The combination, with a plow-beam and attached crown-head having rearward-projecting cogs b b , of the clevis-link C, having elongated slots \bar{d}^3 , cogs \bar{d} , and pin F, formed with side fins, H, substantially as described.

5. The combination, with the plow-beam A and a double-tree clevis, G, of the adjustable clevis-link C, having a rearward-projecting pin, F, and lateral fins H, inclined outward and rearward from said pin, to form a seat for the double-tree clevis to adjust itself upon, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HOWARD H. BUTLER.

Witnesses:

JOSEPH FREASE,
FRED W. BOND.