

(No Model.)

2 Sheets—Sheet 1.

A. W. BECKER.

COMBINED BOLT HOLDER AND PIPE WRENCH.

No. 336,985.

Patented Mar. 2, 1886.

Fig. 1.

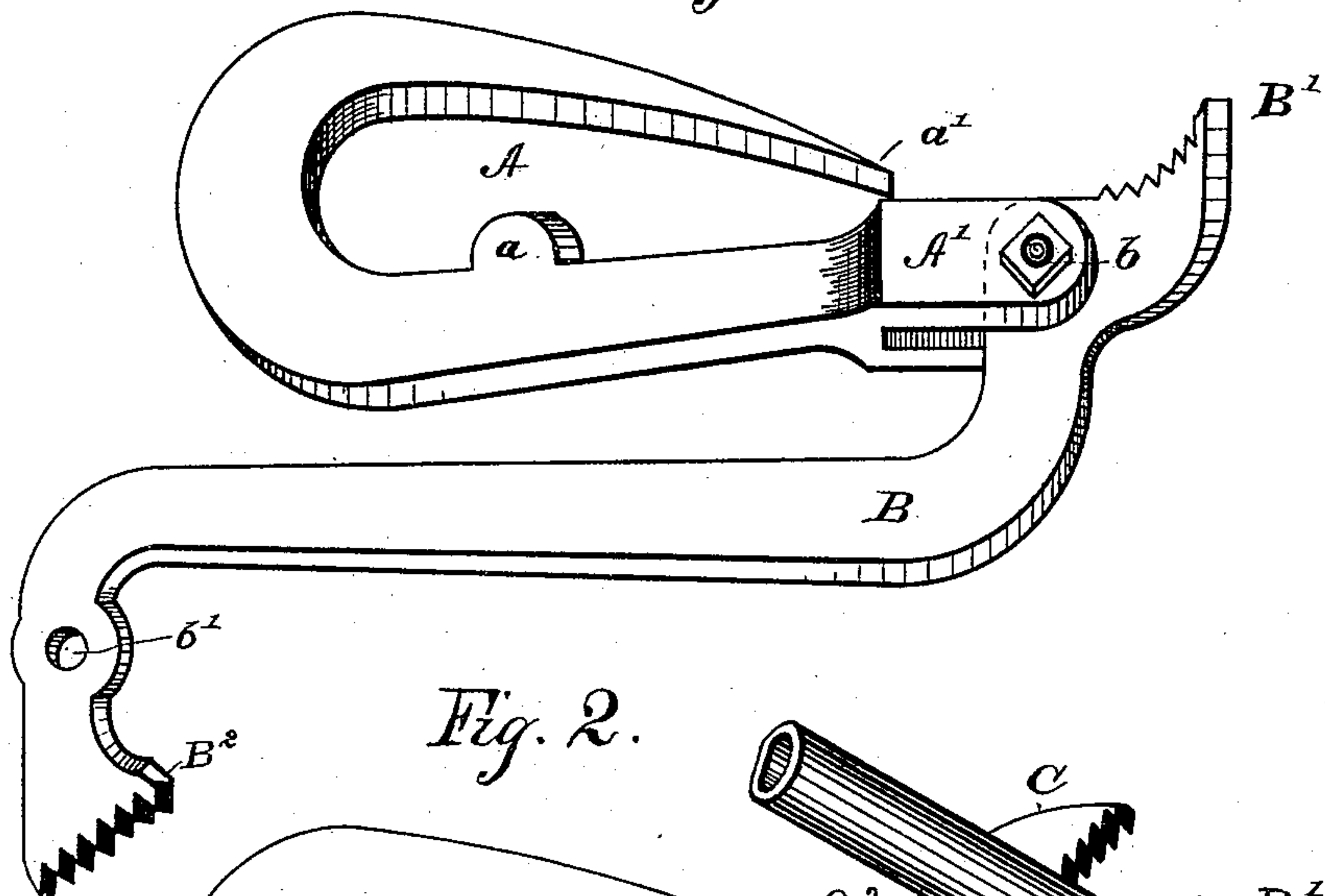


Fig. 2.

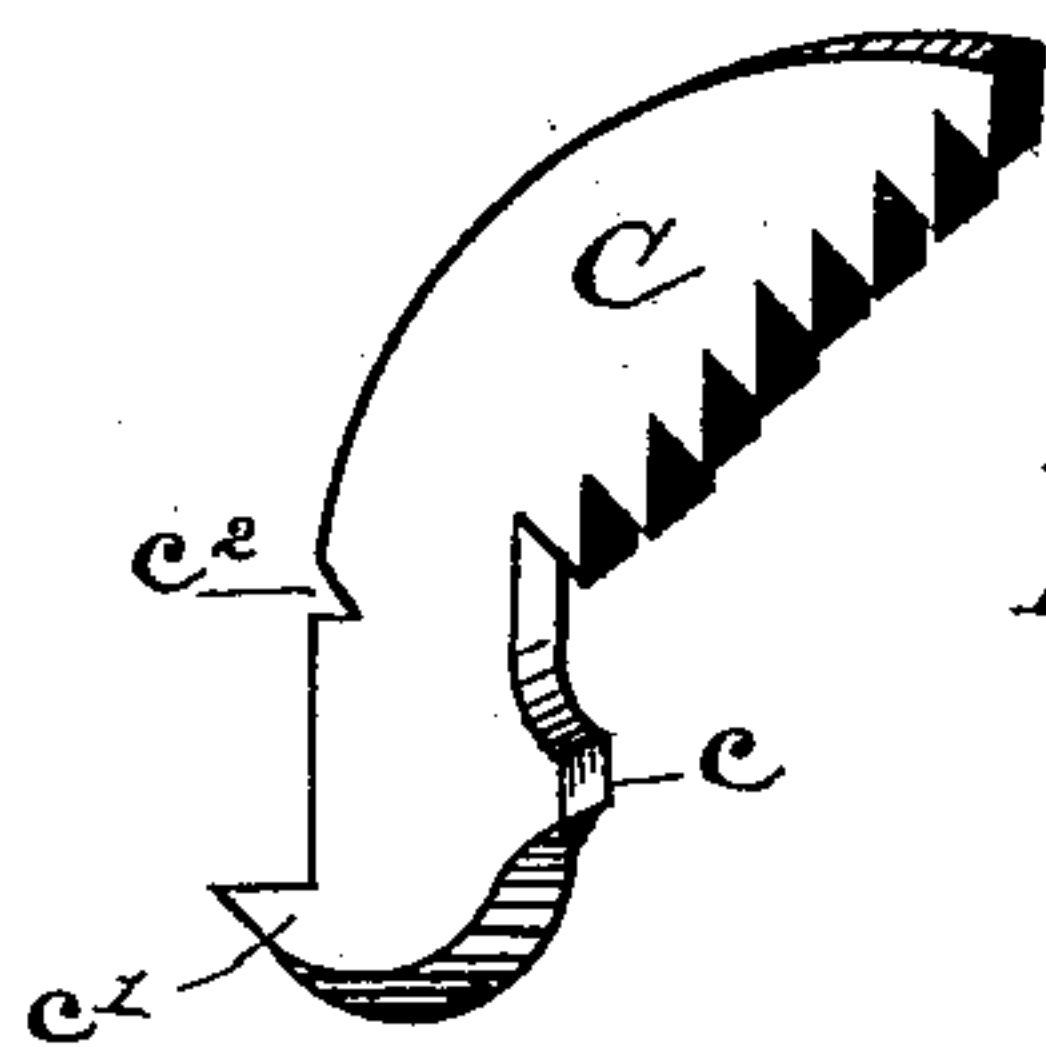
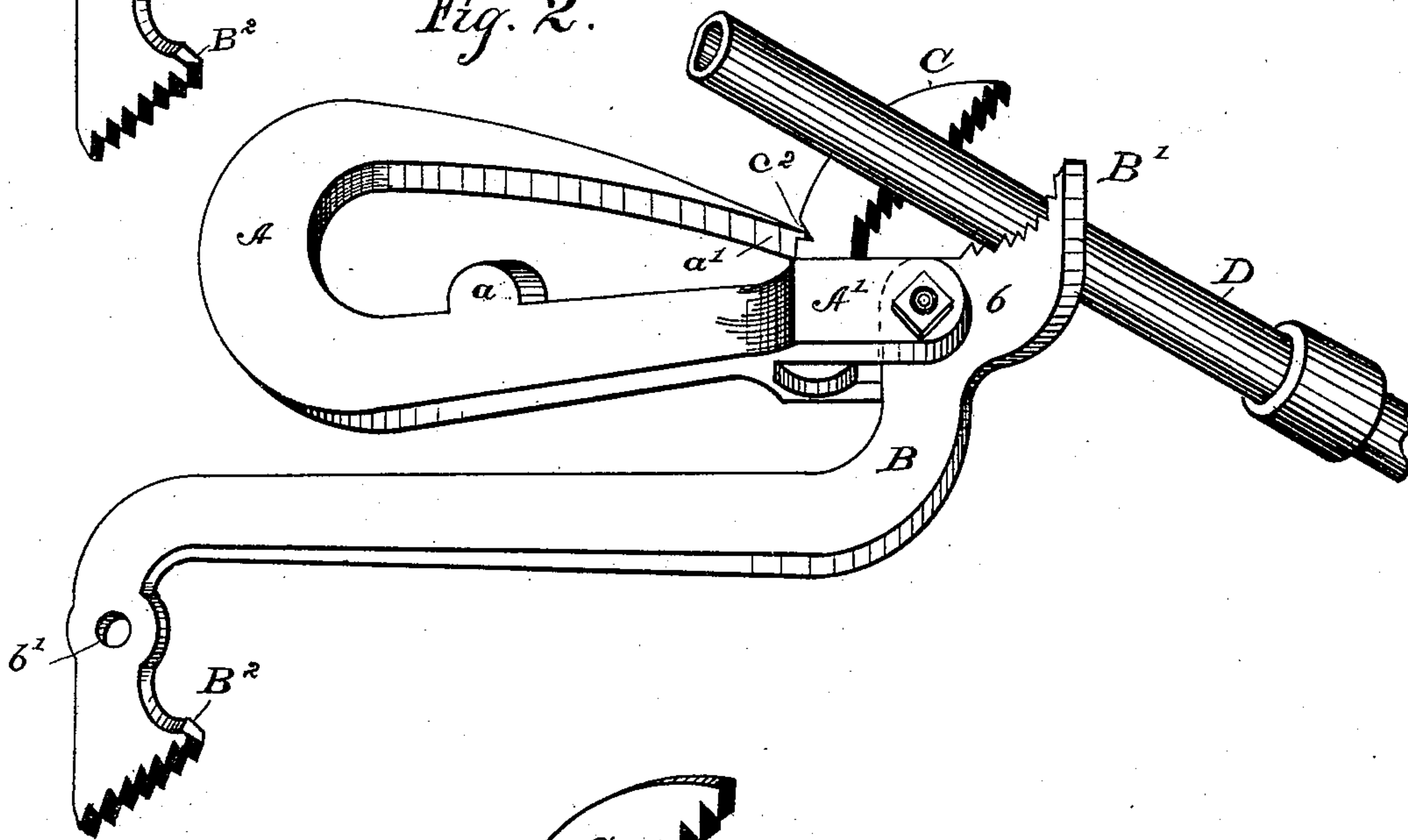


Fig. 3.

WITNESSES

John C. Miller,
Percy White.

INVENTOR

Anthony Wm Becker,
Joseph E. Henley & Co.,
Attorneys.

(No Model.)

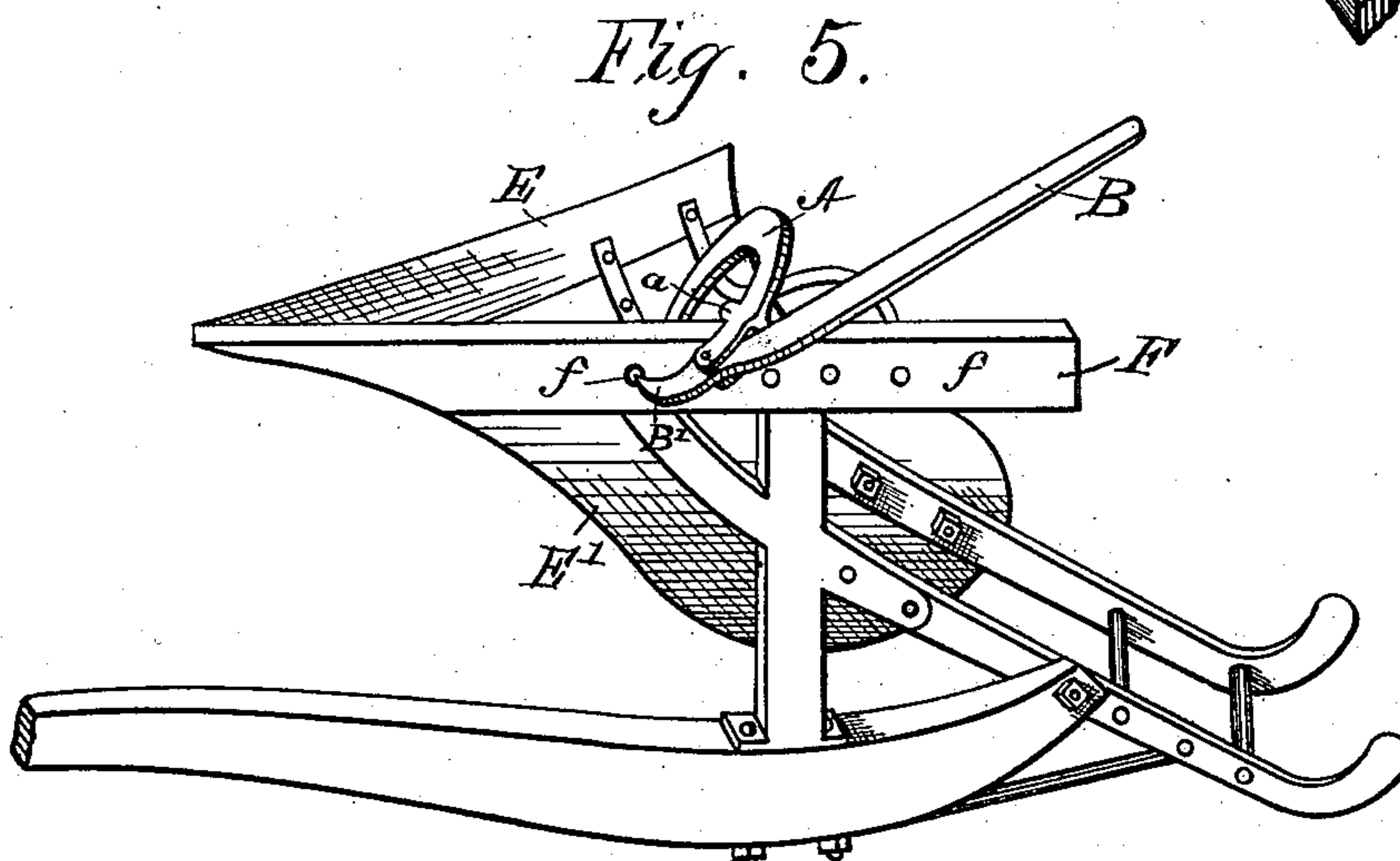
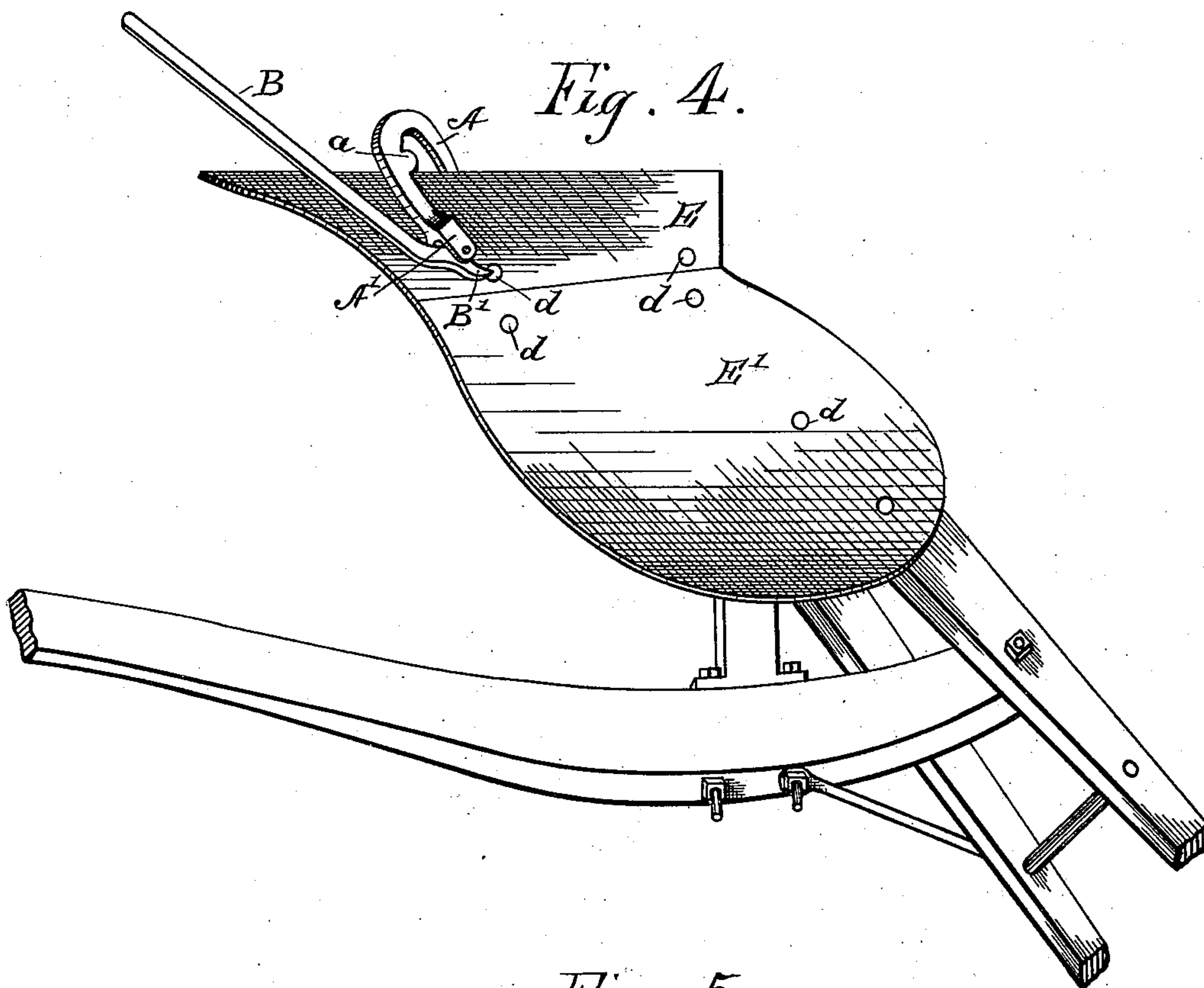
2 Sheets—Sheet 2.

A. W. BECKER.

COMBINED BOLT HOLDER AND PIPE WRENCH.

No. 336,985.

Patented Mar. 2, 1886.



WITNESSES

John C. Miller,
Percy White.

INVENTOR

Anthony Wm Becker
Joseph E. Henley & Co
Attorneys

UNITED STATES PATENT OFFICE.

ANTHONY WM. BECKER, OF CHAPIN, ILLINOIS.

COMBINED BOLT-HOLDER AND PIPE-WRENCH.

SPECIFICATION forming part of Letters Patent No. 336,985, dated March 2, 1886.

Application filed August 31, 1885. Serial No. 175,772. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY WM. BECKER, a citizen of the United States of America, residing at Chapin, in the county of Morgan and State of Illinois, have invented certain new and useful Improvements in Bolt-Holding Devices and Pipe-Wrenches, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of this improvement is a clamp for holding bolts about plows, and especially bolts having countersunk heads, to prevent them from turning while the nuts are being disconnected from the bodies of the same, for the purpose of their removal from the plow parts, as occasion may require, and that may also be used as a pipe-wrench. These results are attained by the mechanism illustrated in the drawings herewith filed as part hereof, in which the same letters of reference denote the same parts in the different views.

Figure 1 is a perspective representation of a bolt-clamp (and pipe-wrench) embodying the features of my improvement. Fig. 2 is a perspective illustration of the application of the improvement as a pipe-wrench. Fig. 3 is a detail: Fig. 4 is a perspective view of a plow inverted, and the application of the mechanism as a bolt-clamp. Fig. 5 is a similar view of a plow, and the application of the mechanism to holding the bolts on the land-plate.

A is a hook-shaped plate, provided at its inner edge with an integral projection, *a*, and reduced gradually to a wire-edge at its end *a'*, and provided at its opposite end with jaws *A'*, for the reception of a lever, B, which is pivotally secured thereto by a bolt, *b*. The lever B is provided at one end with a curved serrated steel-pointed claw, *B'*, and at its opposite end with a straight-edged serrated steel claw, *B²*, for a purpose hereinafter set forth.

C is a detachable serrated claw-piece, provided with a forward projection, *c*, a rearward projection, *c'*, and a notch, *c²*, as shown in Fig. 3. When the piece C is inserted between the jaws *A'* of the plate A, the projection *c* will bear against the body of the lever B, the projection *c'* will engage with the plate

A, and the notch *c²* will engage with the plate end *a*, and the part C will thus be rigidly held in position, as shown in Fig. 2, and the mechanism thus adapted for use as a pipe-wrench, as by moving the lever B, the pipe D will be clamped firmly between the claws B C, and the pipe turned as desired. By detaching the lever B, and connecting its end *B²* with the plate A by the perforation *b'*, pipes of smaller size can be held and operated by the mechanism.

Referring to Fig. 4, E is the share, and E' the mold-board, of the plow, and *d d* are the heads of the countersunk bolts. The hook-plate A is set over the share, as shown, when the projection *a* will engage with the edge of the share and secure the position of the plate A. The claw *B'* of the lever B is then forced against the bolt-head *d* sufficiently to hold the bolt against turning when the wrench is applied to the nut.

Referring to Fig. 5, E is the share, and E' the mold-board, of the plow. F is the land bar or plate, provided with countersunk bolts *f*. The plate A is set over the land-plate F, and will be held in position by the projection *a*, when the point or claw *B'* of the lever B will cover the head of the bolt *f*, against which it will be forced by the lever B sufficiently to hold the bolt against turning during the removal of the nut. Should the nuts be very hard to start, the point of the claw B can be forced into the bolt-head, and all possibility of turning thus prevented.

Having explained the construction and operation of my improvement, what I claim as new, and desire to secure by Letters Patent, is—

1. The hook plate and lever provided with claw-points, and arranged to operate as and for the purpose set forth.

2. The detachable piece C, in combination with the hook plate and lever, as and for the purpose set forth.

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

ANTHONY WM. BECKER.

Witnesses:

HENRY B. SWETTART,
WM. FULLER.