

Applegate, Jacobs & Roby,

Copiers Gripe.

No. 112,205.

Patented Feb. 28. 1871.

Fig. 1.

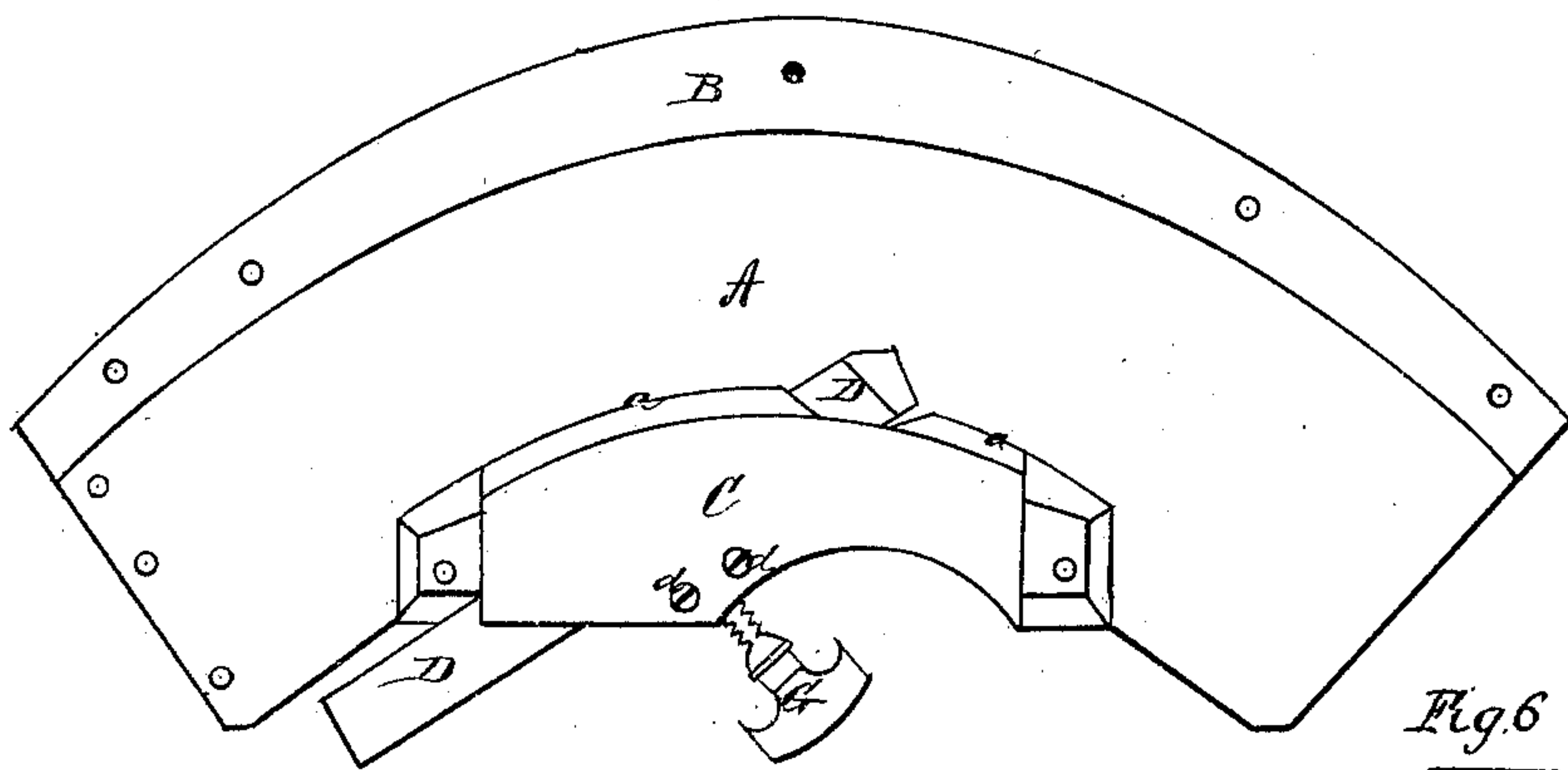


Fig. 6.

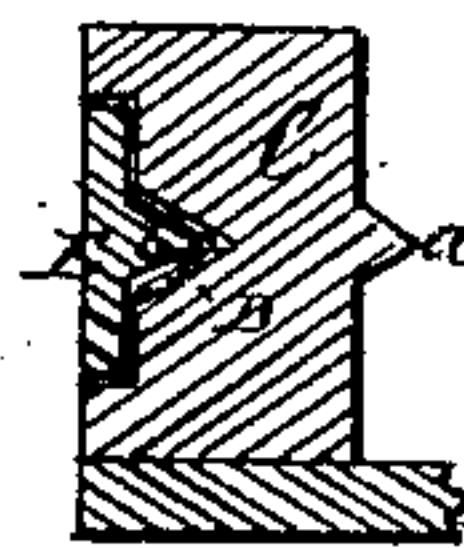


Fig. 2.

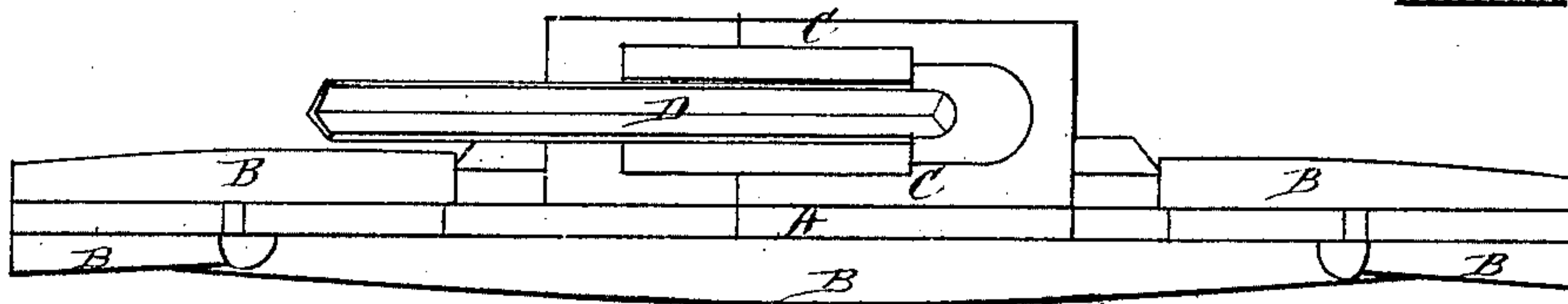


Fig. 3.

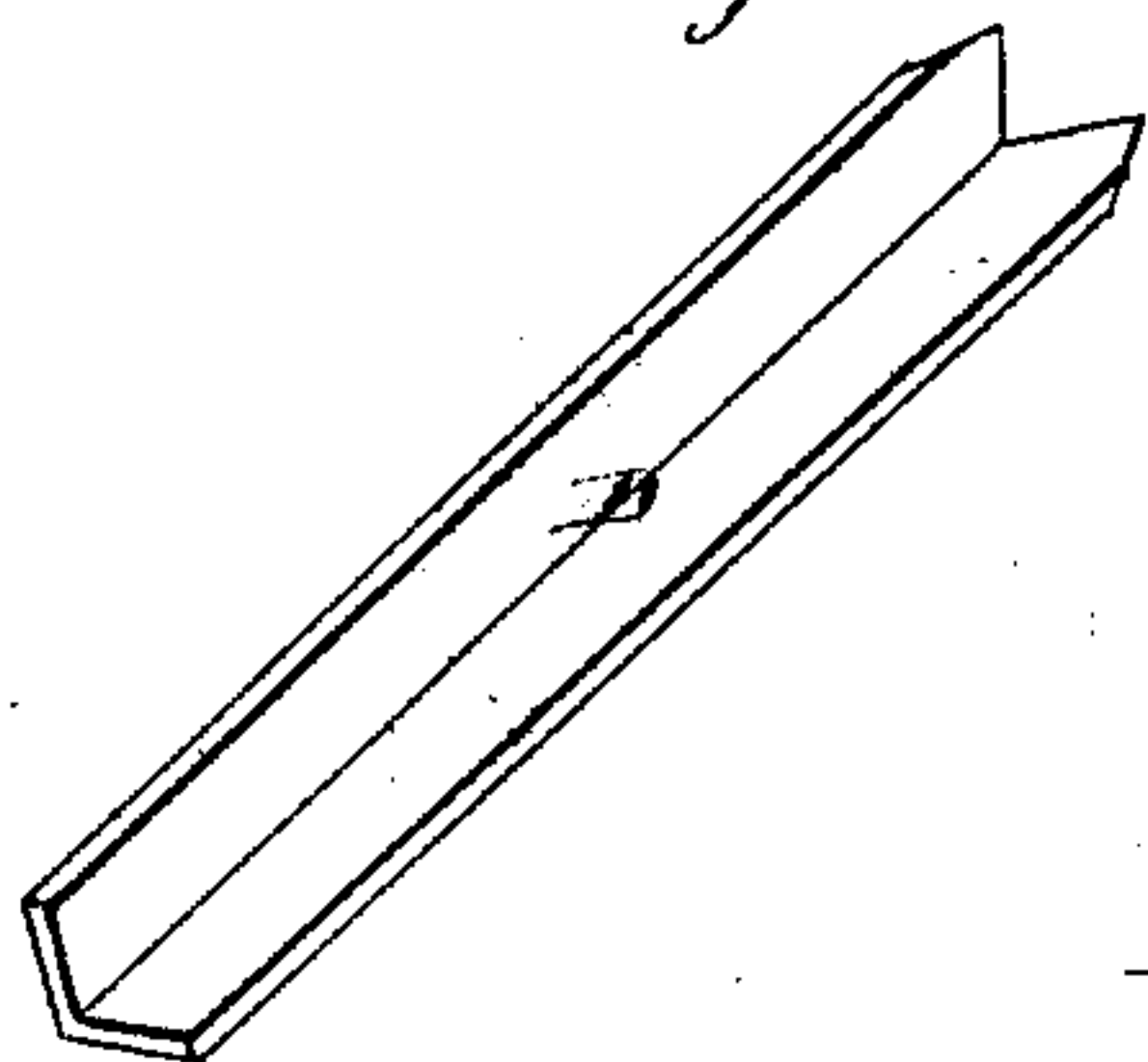


Fig. 4.

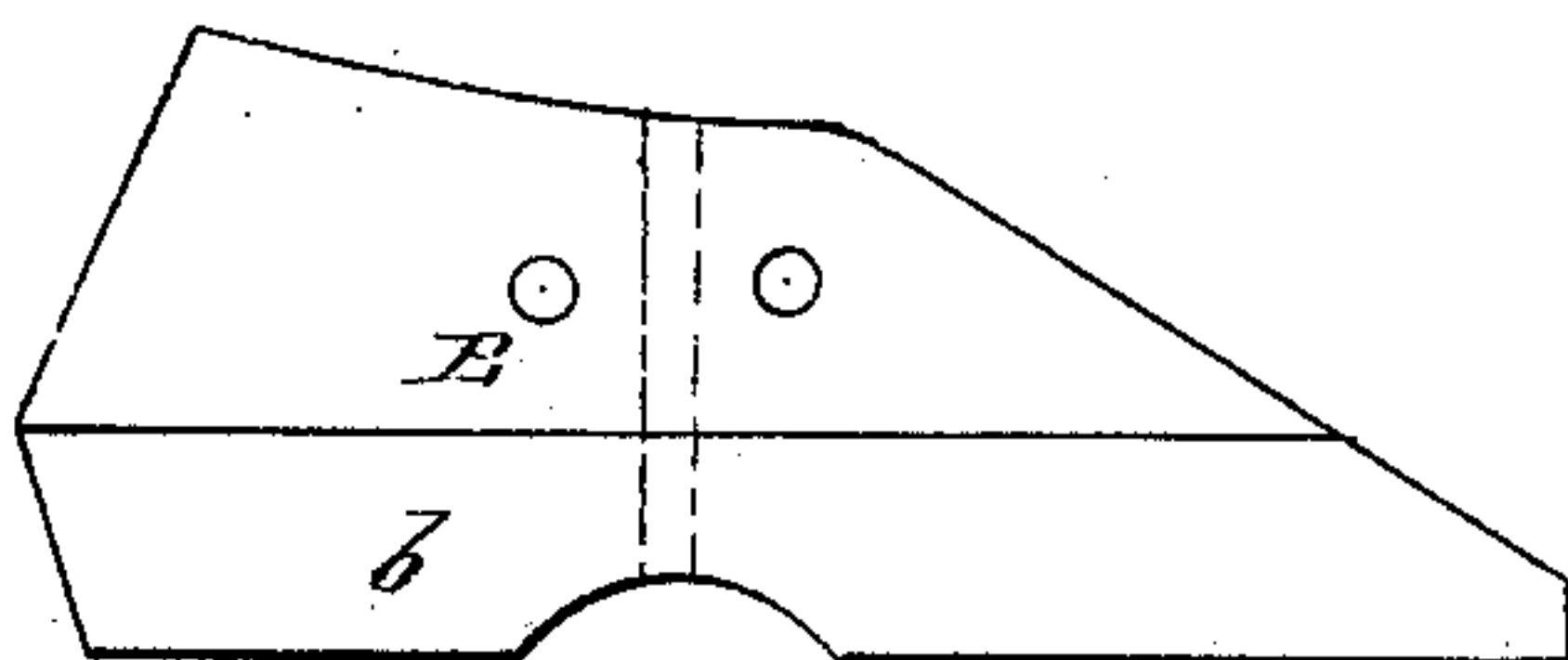
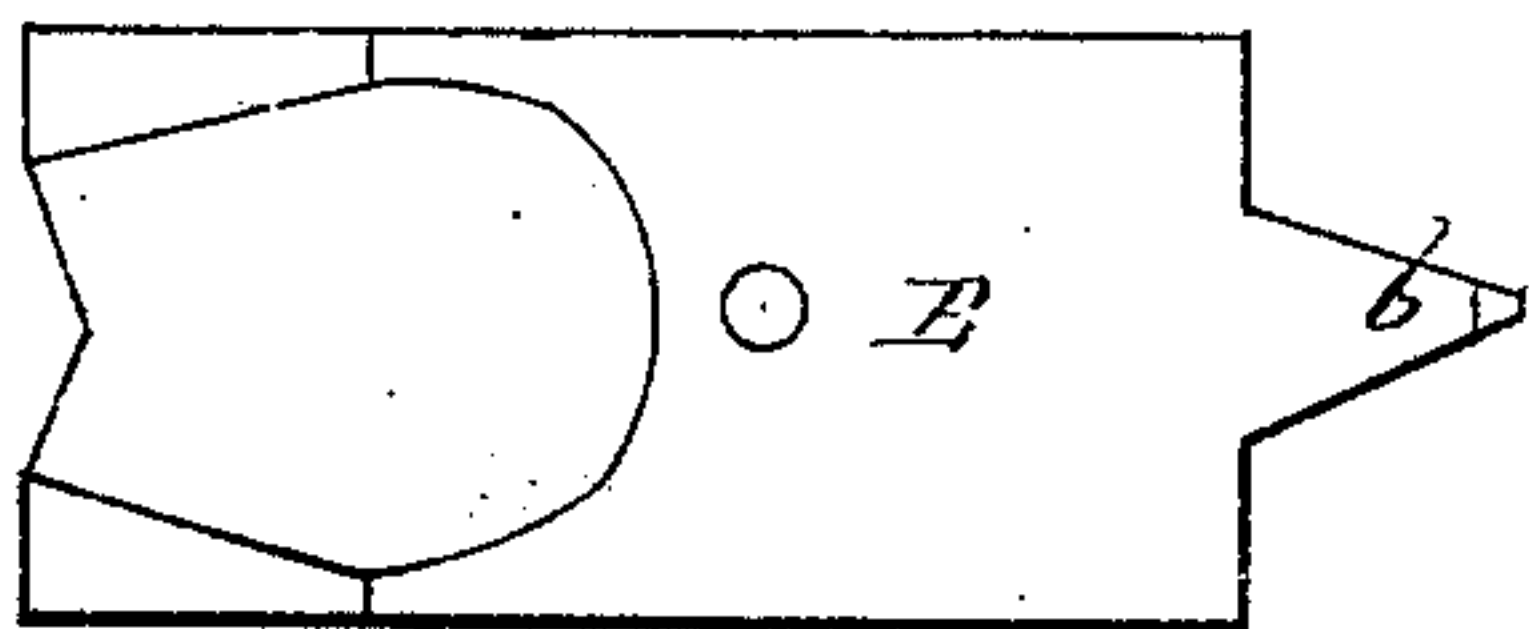


Fig. 5.



Witnesses.
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United States Patent Office.

VINCENT APPEGATE, MARLINE P. JACOBS, AND SAMUEL F. ROBY, OF
HARRISON COUNTY, INDIANA.

Letters Patent No. 112,205, dated February 28, 1871.

IMPROVEMENT IN COOPERS' CROZE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, VINCENT APPEGATE, MARLINE P. JACOBS, and SAMUEL F. ROBY, of the county of Harrison and in the State of Indiana, have invented certain new and useful Improvements in Coopers' V-Crozes; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of our invention consists in the construction and arrangement of a "cooper's croze" for cutting the grooves in a barrel for the insertion of the heads.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a view of the under side of our machine;

Figure 2 is a side view of the same with the head-block removed;

Figure 3 is a perspective view of the knife;

Figures 4 and 5 are enlarged views of the head-blocks; and

Figure 6 is a section of the machine.

A represents a segmental plate, of any suitable dimensions, having on both sides, along the outer edge, a raised bead, B, said bead on the upper side extending along the ends of the plate; also,

On the under side of the plate A is secured the bit-holder C, curved on its outer side, as shown, and provided on this side with a V-shaped rib, *a*.

Through an opening in this bit-holder projects the

V-shaped bit or knife D, a V-shaped groove being made in the holder for said knife.

The end of the knife D projecting beyond the rib *a* on the bit-holder is beveled on the outside, which makes it far stronger than those beveled on the inside.

E is a head-block, provided with a V-shaped rib, *b*, to fit within the knife D, said head-block being secured within the bit-holder C by means of two screws *d d*.

The knife D is adjusted to any depth of groove desired, and secured by a set-screw, G, passing through the head-block E and bearing against the inner angle of the knife.

This device is operated by hand, and the groove may be made at any distance from the edge of the barrel, if so desired, by making the bit-holder C adjustable up or down from the plate A.

Having thus fully described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

The combination of the plate A, bit-holder C, with rib *a*, V-shaped bit or knife D, and head-block E, with rib *b*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 29th day of November, 1870.

VINCENT ^{his} × APPEGATE.

MARLINE P. ^{mark.} JACOBS.

SAMUEL F. ^{his} × ROBY.
^{mark.}

Witnesses:

JACOB HERTER,

JOSEPH F. APPEGATE.