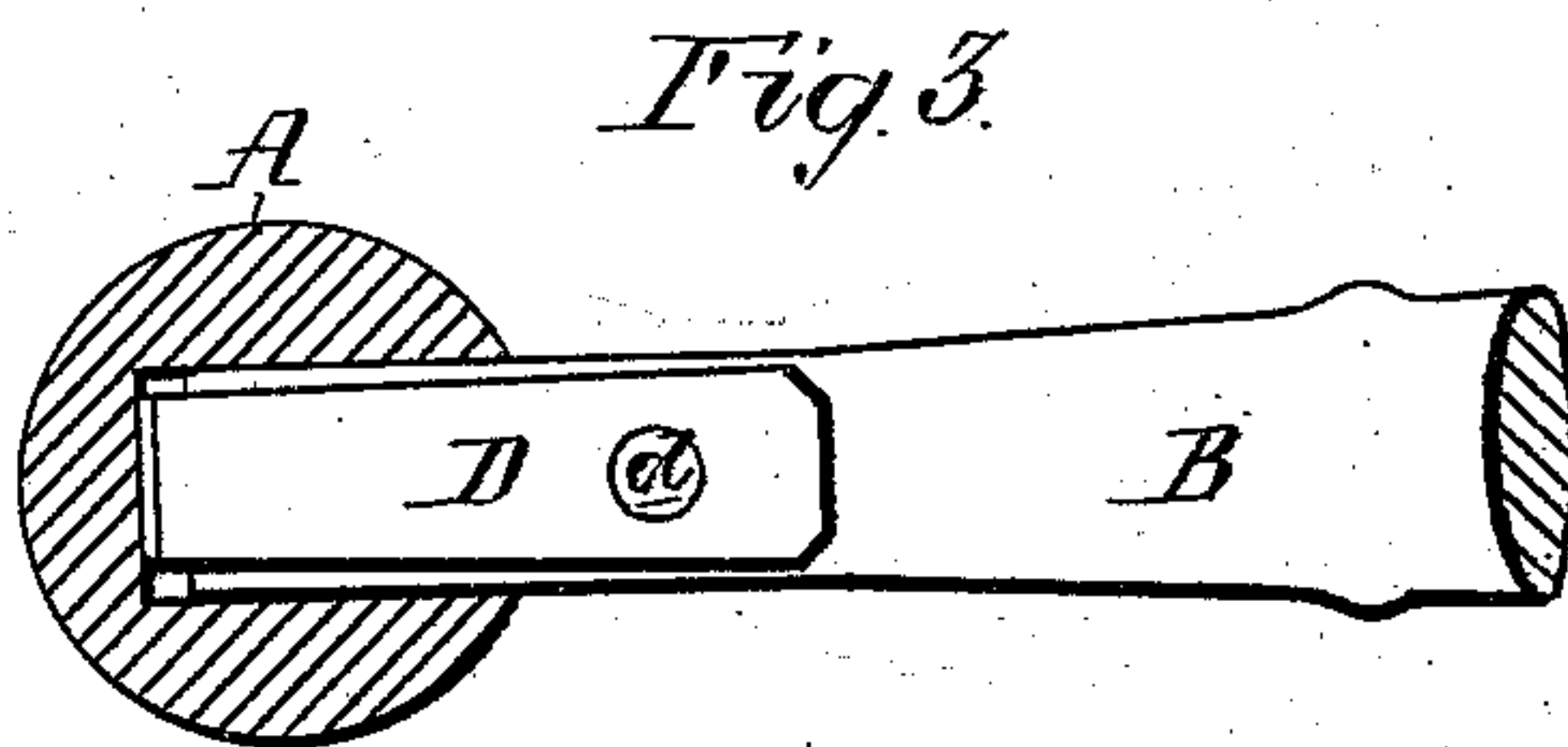
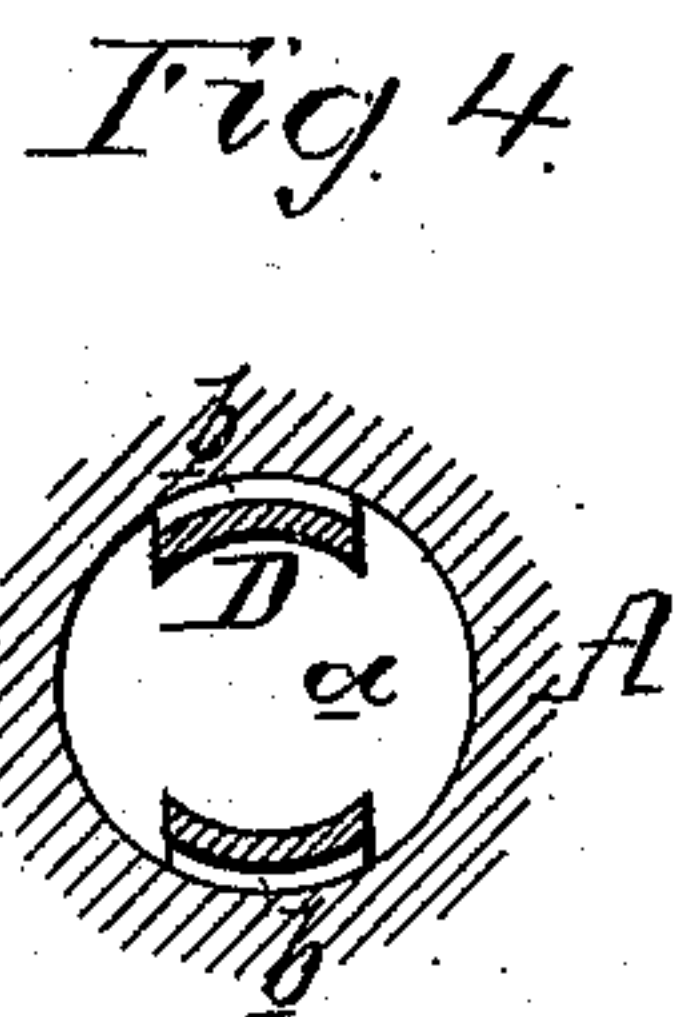
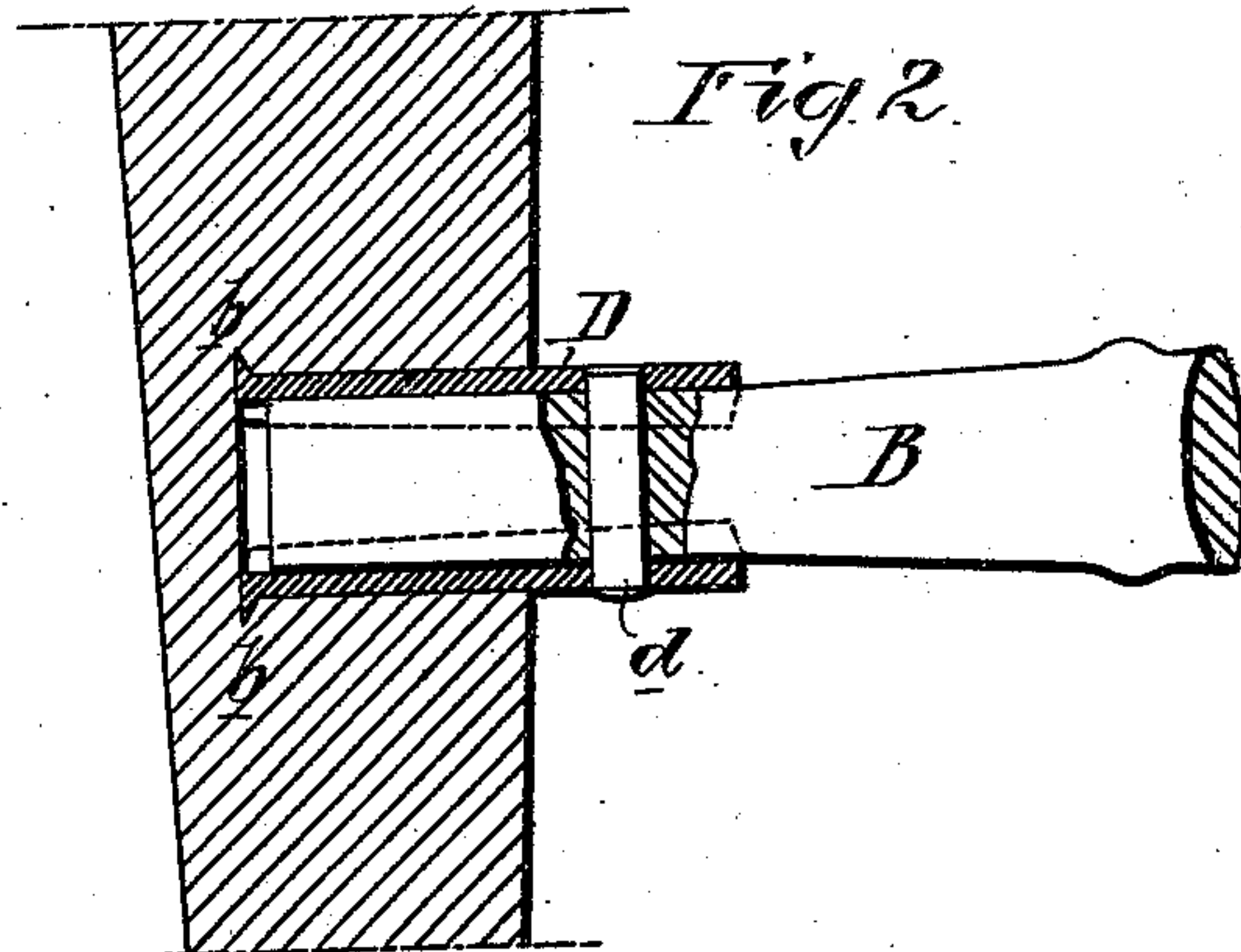
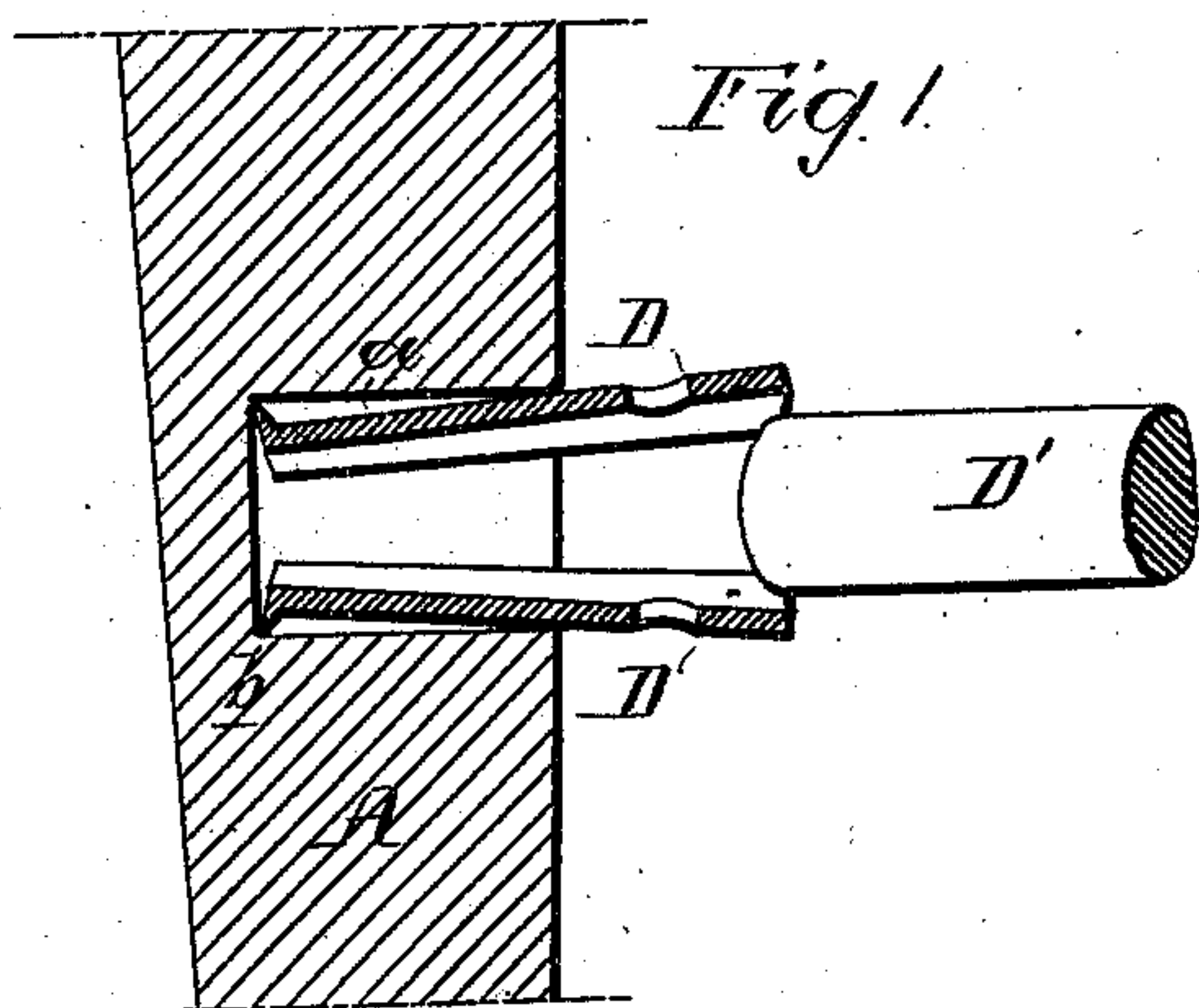


T. L. LUDERS.

JOINTS FOR FURNITURE, &c.

Patented Feb. 29, 1876.

No. 174,266.



Witnesses
Harry Howson & Co.
Harry Smith

Thomas L. Luders
by his Attorneys
Howson and Son

UNITED STATES PATENT OFFICE.

THOMAS L. LUDERS, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN JOINTS FOR FURNITURE, &c.

Specification forming part of Letters Patent No. **174,266**, dated February 29, 1876; application filed January 3, 1876.

To all whom it may concern :

Be it known that I, THOMAS L. LUDERS, of Philadelphia, Pennsylvania, have invented an Improved Joint for Furniture, &c., of which the following is a specification :

The object of my invention is the secure attachment of parts of furniture or of other wooden structures together, as, for instance, the attachment of rails or cross-bars to the legs of a chair; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figures 1, 2, 3, and 4 are sectional views illustrating my improved fastening device.

In Figs. 1, 2, and 3, A represents part of the leg of a chair, and B part of one of the rails. These I secure together in the following manner: I first bore an orifice, *a*, part way through the leg and insert therein two metal strips, D D, which are longer than the orifice is deep, each strip being of the segmental form shown in Fig. 4, so as to be adapted to the orifice and to the end of the rail B, and each strip having a projection, *b*, at the end which bears

against the end of the orifice. Having inserted the strips as shown in Fig. 1, I introduce between them a metal tool, D', of the same diameter as the end of the rail, and drive this tool to the end of the orifice, the result of which is the driving of the projections *b* of the metal strips into the wood. After withdrawing the tool I drive the ends of the rail B into the space between the strips, which I secure to the said rail by a rivet, *d*, as shown in Fig. 2, or by screws.

I claim as my invention—

The combination of the strips D D, secured to the rail B by a rivet or screws, *d*, and having projections *b*, with the leg A, having an orifice, *a*, bored part way through the same, all as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOS. L. LUDERS.

Witnesses:

HARRY HOWSON, Jr.,
ELLWOOD T. DEETZ.