

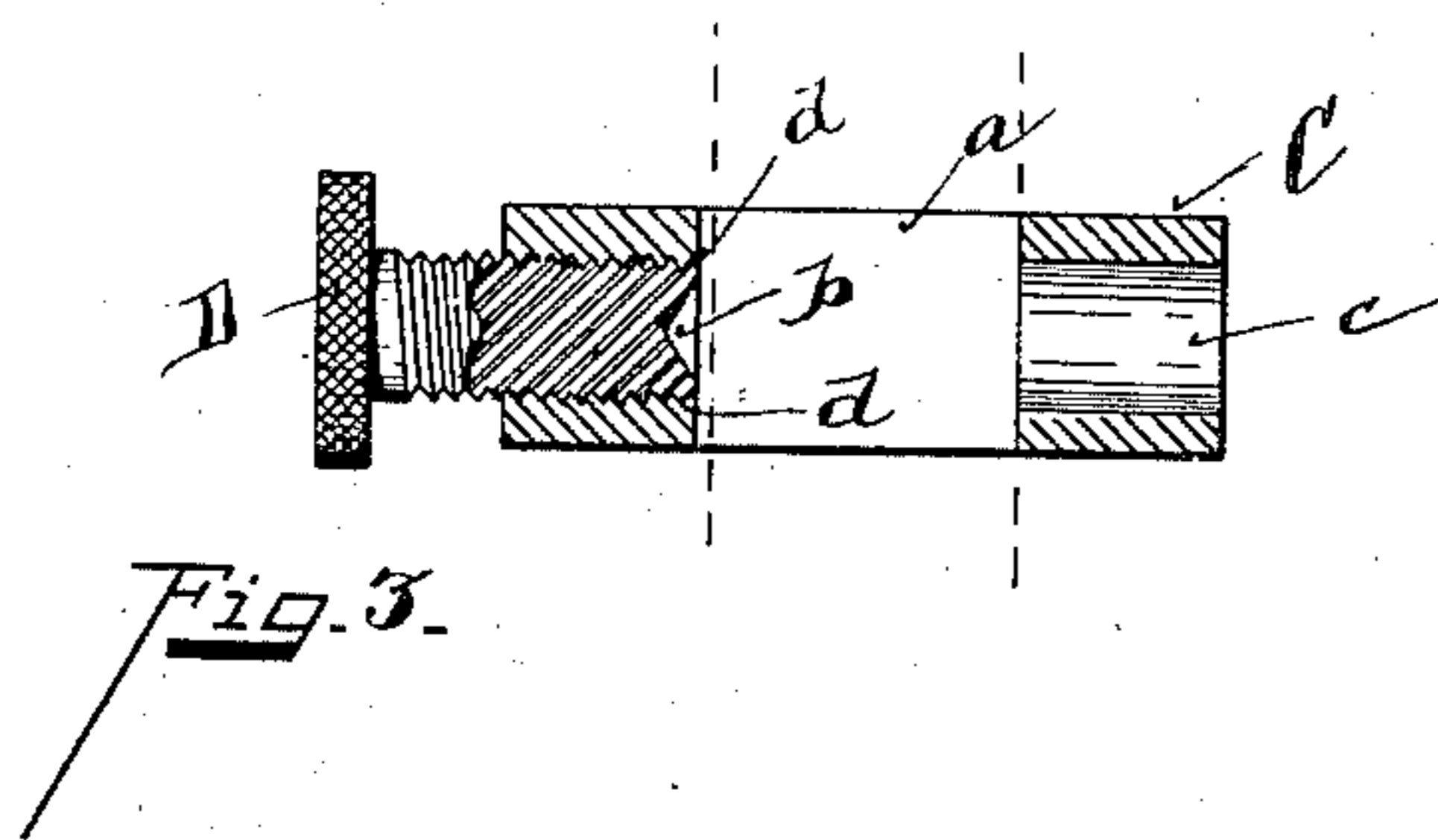
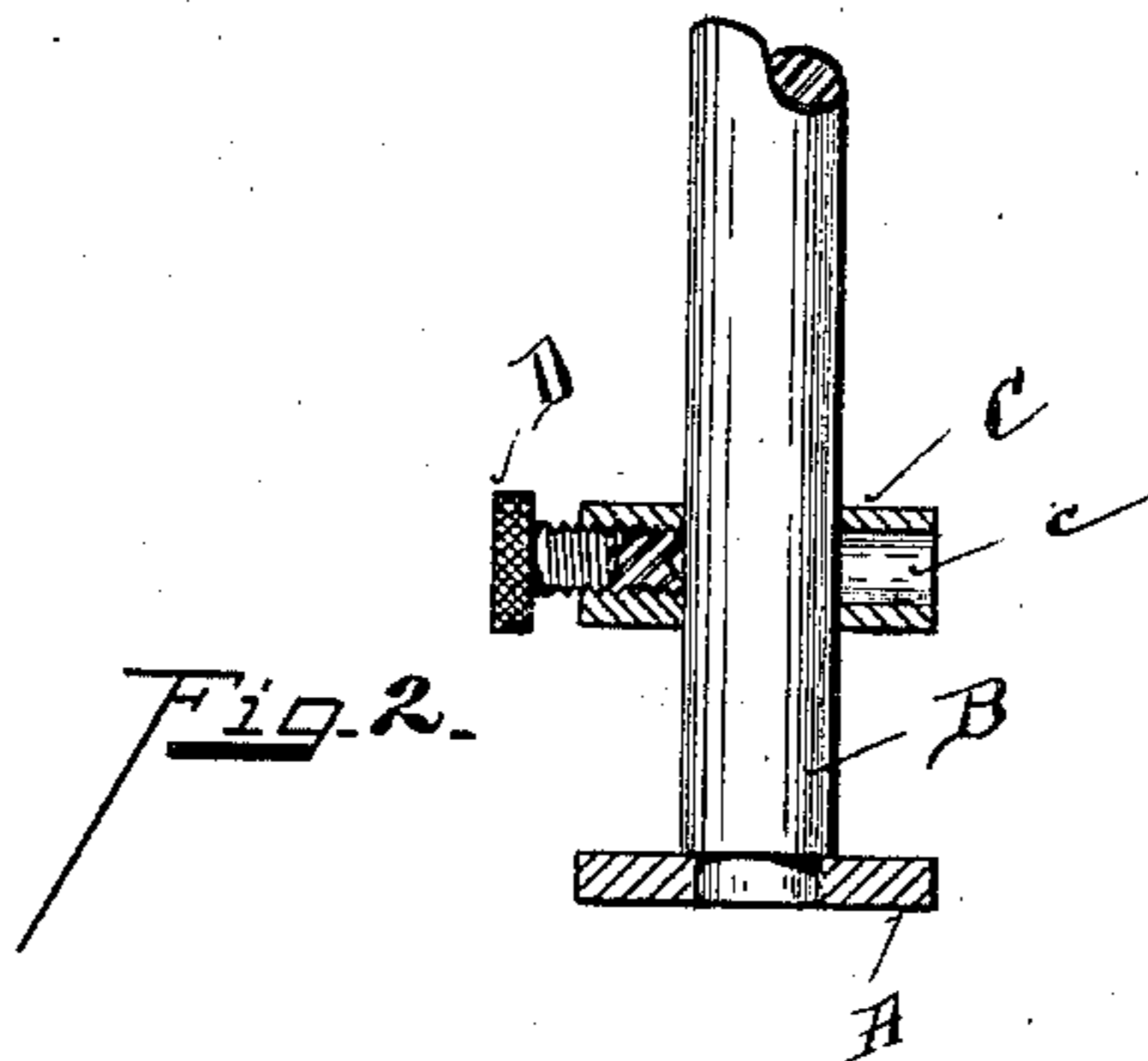
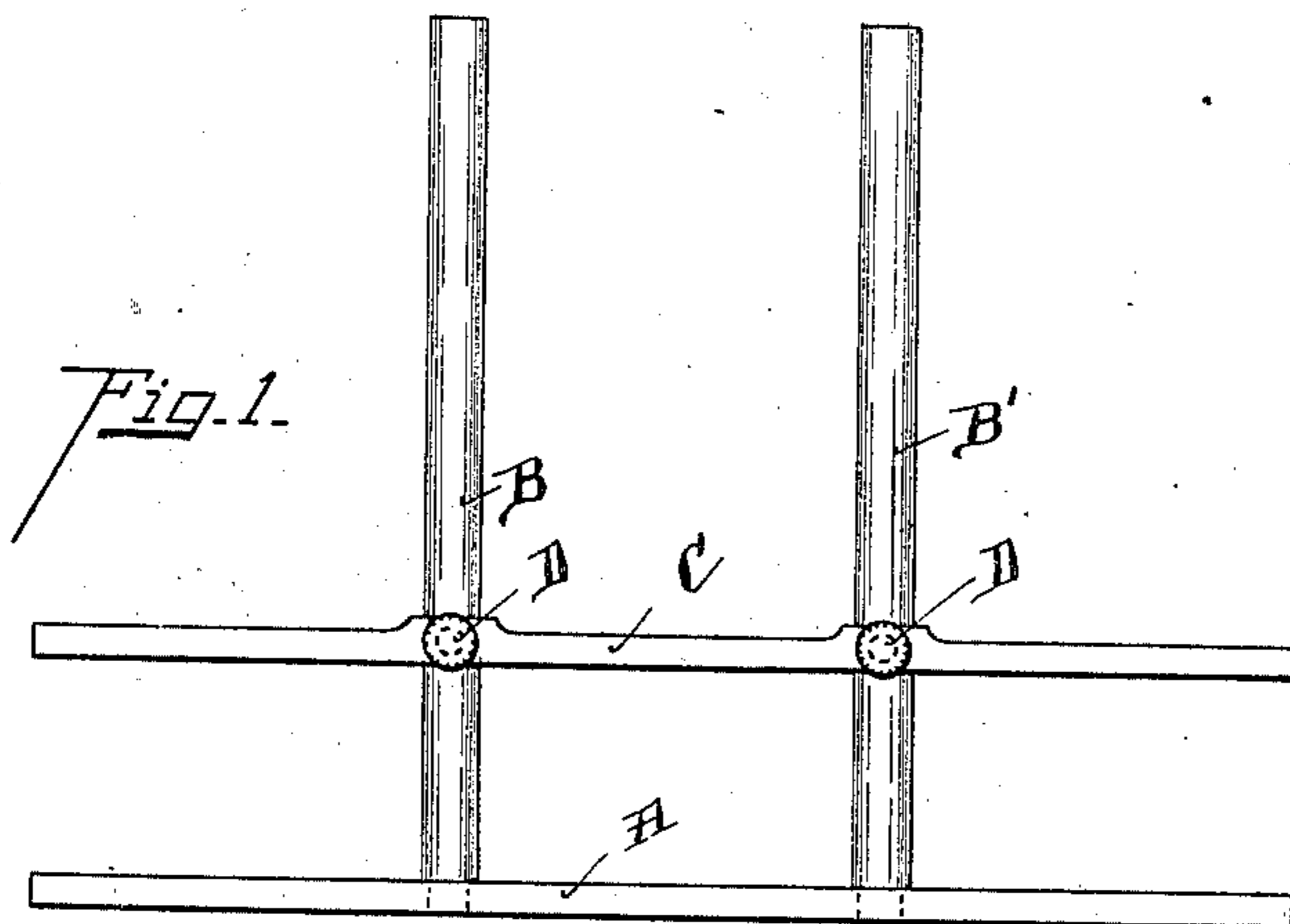
No. 725,265.

PATENTED APR. 14, 1903.

W. S. MENDENHALL.
TEMPORARY BINDER.

APPLICATION FILED DEC. 8, 1902.

NO MODEL.



Inventor

Walter S. Mendenhall

By

Wood & Wood

Attorneys

Witnesses

Olin B. Kain

Edw. J. Lucas

UNITED STATES PATENT OFFICE.

WALTER S. MENDENHALL, OF NORWOOD, OHIO, ASSIGNOR TO THE SAMUEL C. TATUM COMPANY, OF CINCINNATI, OHIO, A CORPORATION.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 725,265, dated April 14, 1903.

Application filed December 8, 1902. Serial No. 134,233. (No model.)

To all whom it may concern:

Be it known that I, WALTER S. MENDENHALL, a citizen of the United States, residing at Norwood, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Temporary Binders, of which the following is a specification.

My invention relates to an improvement in binding mechanism such as is used in temporary binders, &c., the object being to provide non-removable set-screws capable of very firmly engaging the posts without defacing the same.

The features of my invention are more fully set forth in the description of the accompanying drawings, forming a part of this specification, in which—

Figure 1 is an end elevation of my binding mechanism. Fig. 2 is an enlarged vertical section through one of the posts. Fig. 3 is an enlarged section of the binding-section.

A represents the lower or stationary strip, carrying the parallel upright posts B B'.

C represents the sliding binding-strip, parallel with A and provided with orifices *a*, through which the posts B B' pass. These orifices are slightly greater in diameter than the posts, so as to allow the cross-strips C to slide thereon and also providing for the retention of the set-screws D. The binding-strip C is provided with screw-threaded bores passing through the front side into the orifices *a*. The inner ends of these screws D are provided with the central bores *b*, which raise the peripheral bur edges *d* on the inner ends of screws D. This has two functions. First, as shown in Fig. 2, it makes a square engagement of the end of the screw D against the faces of the posts B B'. This not only holds very firmly, but it prevents any defacement. The flared or burred edge *d* being greater in diameter than the diameter of the bore, it follows that the screws D cannot come out, but will be arrested when the burred edge *d* is

brought against the inner peripheral edge of the bore, as shown in Fig. 3. This is very useful, because the removable screws are constantly being lost. As the screw D has to be operated upon when it is in the screw-threaded bore of the binding-strip C, it is necessary for access to the end of said screw that the opposite side of the binding-strip be provided with a bore *c*, which is not screw-threaded, but which is in exact alinement with the end of the screw D. Through the bore *c* the boring-tool is inserted for providing the recess *b* and the burred edge *d* on the inner end of the screw D.

Having described my invention, I claim—

1. In a binding mechanism a stationary strip, an upright post thereon, a binding-strip provided with an orifice through which the upright post passes, a screw-threaded bore through the said sliding binding-strip into the said post-orifice, a set-screw engaging the said bore and having in the inner end a centrally-bored orifice and a peripherally-raised burred edge greater than the diameter of the said bore, substantially as described.

2. In a binding mechanism, a stationary strip, an upright post thereon, a sliding binding-strip provided with an orifice through which the upright post passes, a screw-threaded bore through the said sliding binding-strip into the said post-orifice, a set-screw engaging into the said bore having on its inner end a centrally-bored orifice and a peripherally-raised burred edge, and a bore through the moving binding-strip opposite to the screw-threaded bore, as and for the purpose described.

In testimony whereof I have hereunto set my hand.

WALTER S. MENDENHALL.

Witnesses:

OLIVER B. KAISER,
IDA J. LUCAS.