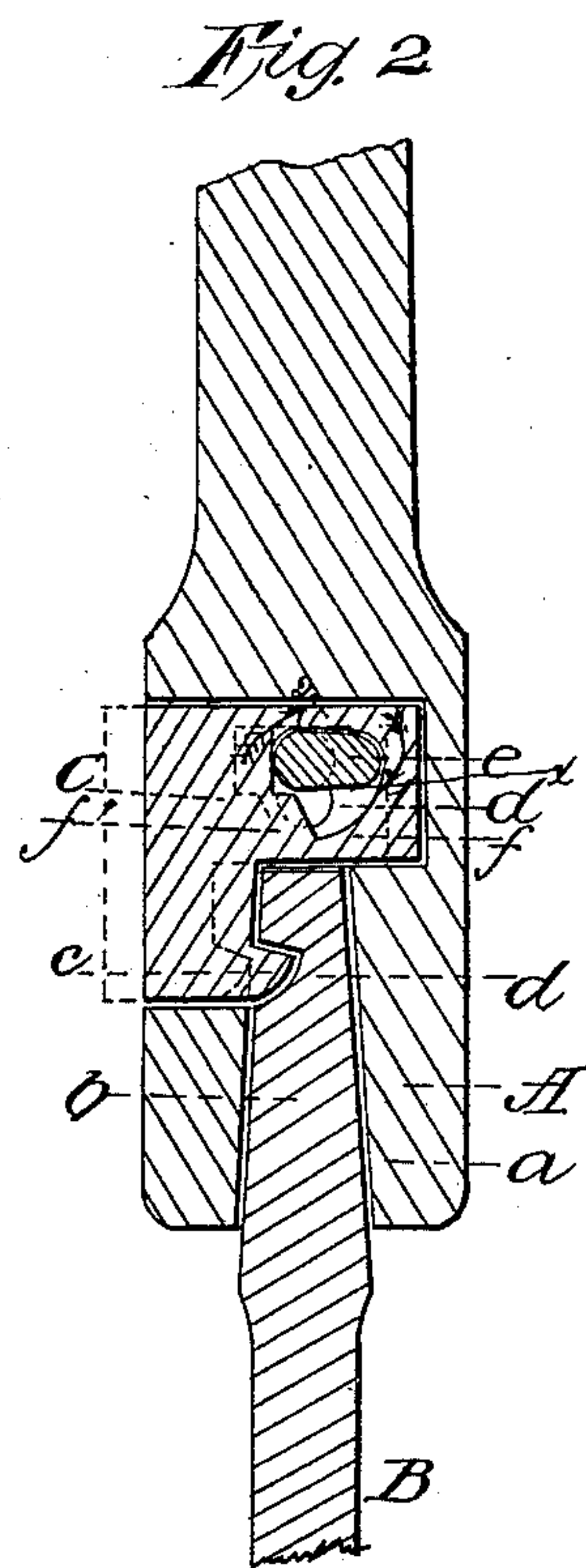
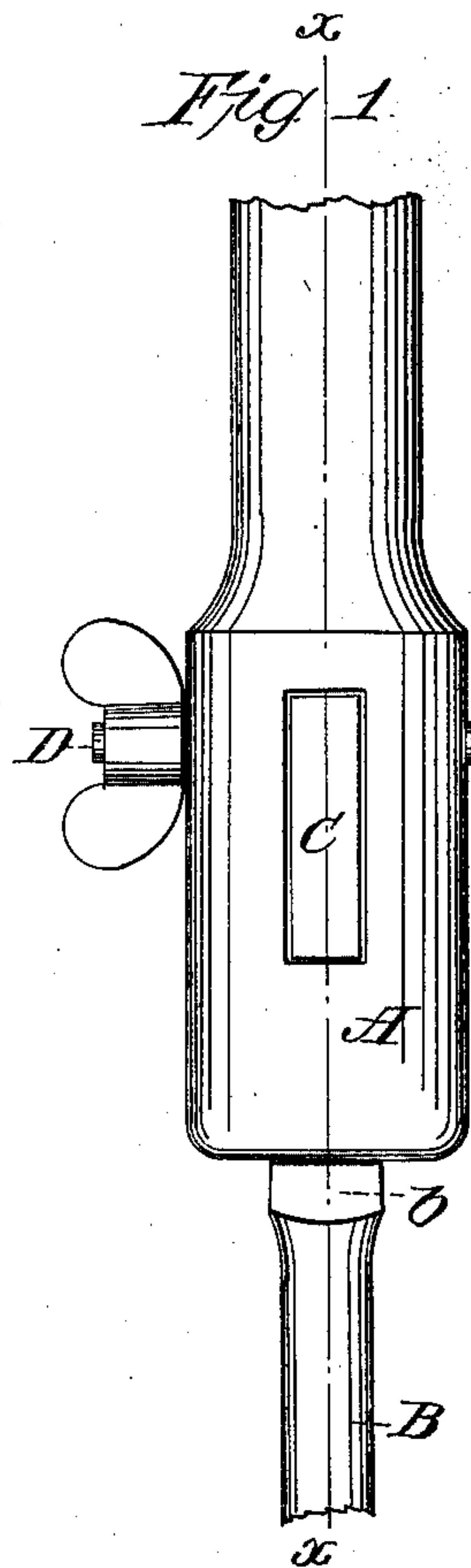


C. B. Rose,
Bit Stock.

N^o 44,822.

Patented Oct. 25, 1864.



Witnesses

C. L. Topliff
Henry Morris.

Inventor.

C. B. Rose
per Munn & Co
Attorneys

UNITED STATES PATENT OFFICE.

C. B. ROSE, OF SUNDERLAND, MASSACHUSETTS.

IMPROVEMENT IN MODE OF SECURING BITS IN BRACES.

Specification forming part of Letters Patent No. 44,822, dated October 25, 1864.

To all whom it may concern:

Be it known that I, C. B. ROSE, of Sunderland, in the county of Franklin and State of Massachusetts, have invented a new and Improved Mode of Securing Bits in Braces; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an external view of the end of a brace with a bit secured in it according to my invention; Fig. 2, a longitudinal section of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate like parts.

This invention relates to a new and improved mode of securing bits in joiners' braces; and it consists in placing a sliding bolt or catch in the end of the brace and operating the same by means of a key, all being arranged in such a manner that the bit may be firmly secured in the brace and released therefrom by a positive movement of the bolt or catch, all springs being avoided, and a very simple and durable fastening obtained for the purpose specified.

A represents the end of the brace, in which the bit B is secured. This end A of the brace is tubular, it having, as usual, a taper quadrilateral hole, *a*, within it to receive the taper square shank *b* of the bit, as clearly shown in Fig. 2.

C is a bolt or latch, which is fitted transversely in the end A of the brace, and is allowed to slide freely therein. This bolt or

latch is of L-form, as shown in Fig. 2, and is provided with a lip, *c*, which, when the shank *b* of the bit is secured in the hole *a*, fits in a notch, *d*, in said shank.

In the bolt or latch C there is an opening, *d'*, which receives the bit *e* of a key, D, the latter being fitted transversely in the end A of the brace and at right angles with the bolt or latch C.

The bolt or latch C is moved by turning the key D, the bit *e* operating against the sides of the opening *d'*. In order to release the shank *b* the key D is turned in the direction indicated by arrow 1, the bit *e* acting against the side *f* of the opening *d'* and throwing the lip *c* out from the notch *d*, as shown in red in Fig. 2, and in order to secure the shank in the brace the key is turned in the direction indicated by arrow 2, the bit *e* operating against the side *f'* of the opening *d'*.

Thus, by this simple means a very efficient bit-fastening for braces is obtained, the bolt or latch being operated by a positive movement, no spring of any kind being required, and no parts liable to get out of repair.

I claim as new and desire to secure by Letters Patent—

A fastening for securing bits in braces, composed of a sliding bolt or latch C, operated by a key, D, arranged in the manner substantially as herein shown and described.

CLEMENS B. ROSE.

Witnesses:

MARY M. TAFT,
HORACE W. TAFT.