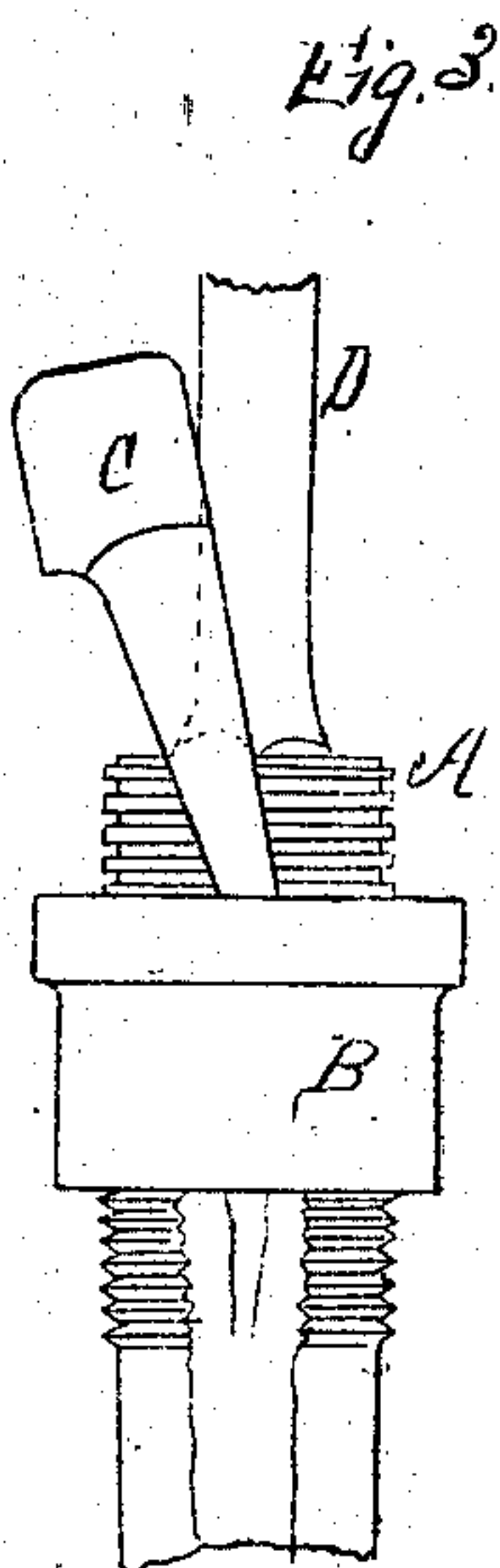
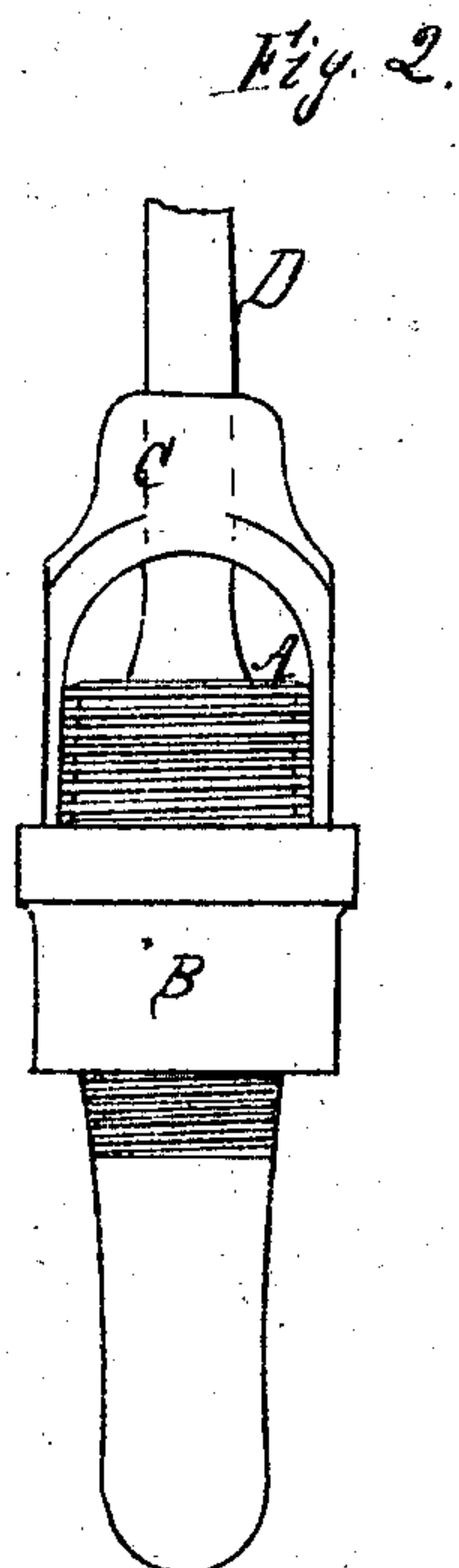
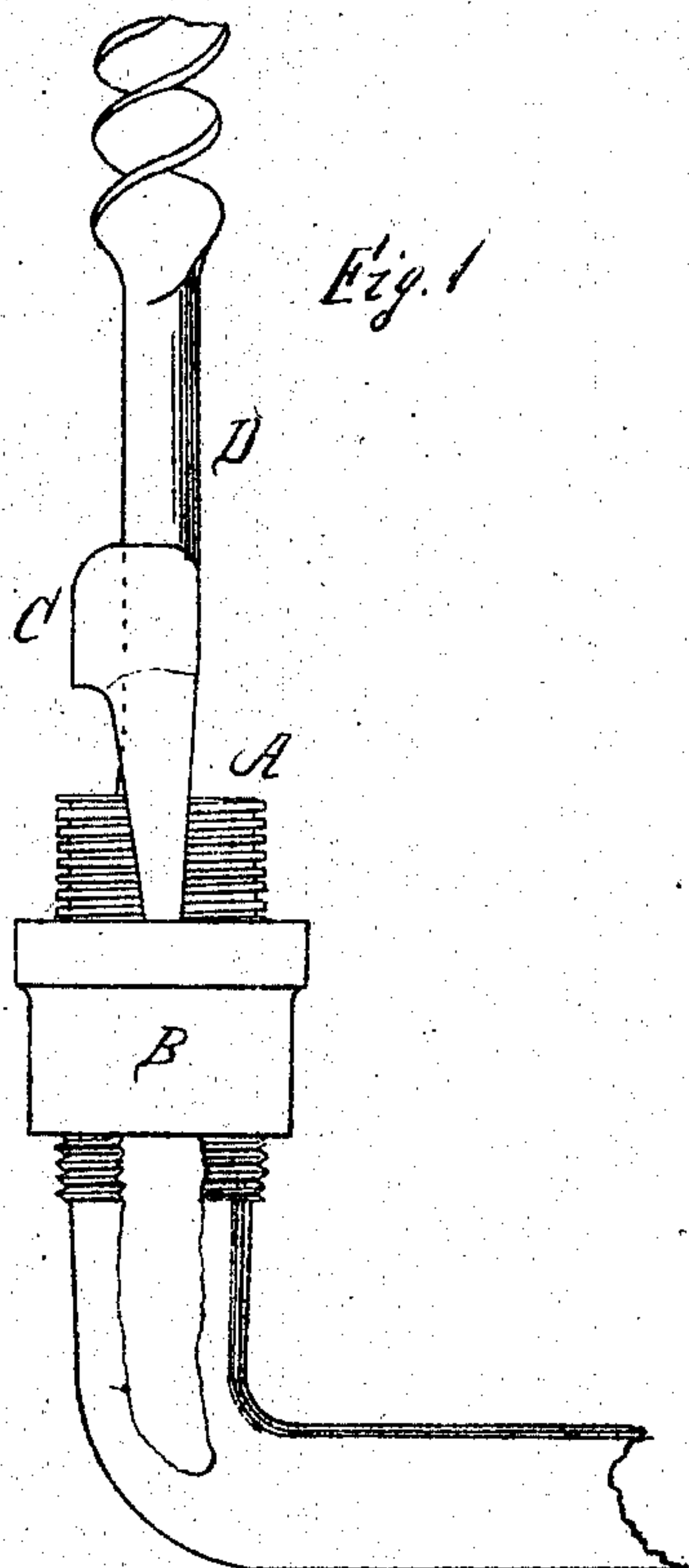


F. P. Pflleghar.
Brace for Bits.

Nº 75699

Patented Mar. 17, 1868.



Witnesses.

John A. Murray
A. J. L. L. L.

Inventor

F. P. Pflleghar

By his attorney

John Earle

United States Patent Office.

F. P. PFLEGHAR, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 75,699, dated March 17, 1868.

IMPROVEMENT IN BRACES FOR BITS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, F. P. PFLEGHAR, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Bit-Stock; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view,

Figure 2 the same turned one-fourth around, and in

Figure 3 a side view illustrating the operation.

This invention relates to an improvement in the manner of securing the bit into the stock, and consists in the arrangement of a saddle over the socket of the stock, and combined with a nut, so that the nut will draw the saddle hard down upon the shank of the bit, forcing and holding it firmly into the socket.

To enable others to construct my improvement, I will proceed to describe the same as illustrated in the accompanying drawings.

A is the socket, formed to receive the bit in the usual manner. Its outer surface is threaded, to receive a nut, B, the said nut turning freely up and down on the said threaded surface. C is a saddle crossing over the socket, as seen in fig. 2, so as to partially surround the shank of the bit, and extending down each side of the socket, within the nut, and so as to be moved up and down with the nut, and also to be turned from the position in fig. 1 to that in fig. 2. When in the position in fig. 2, the bit B is inserted into the socket in the usual manner; then the said saddle is turned forward to the position seen in fig. 1, around the shank; then the nut is turned, drawing with it the saddle, until the saddle strikes upon the enlarged portion of the shank, and is borne down with sufficient force to drive the shank and hold it firmly in the socket. To remove the bit, raise the saddle by unscrewing the nut until the saddle can be turned away, as in fig. 2. Thus is formed a simple and ready adjustment, and very cheap in its construction.

I do not wish to be understood as broadly claiming the securing of the bit into the brace by means of an open head or nut partially surrounding the bit, as such, I am aware, is not new.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent, is—

The arrangement of the saddle C upon the socket A, and combined with the nut B, so that the saddle C may be turned from the bit, and the whole constructed so as to operate in the manner herein set forth.

F. P. PFLEGHAR.

Witnesses:

A. J. TIBBITS,

JOHN H. SHUMWAY.