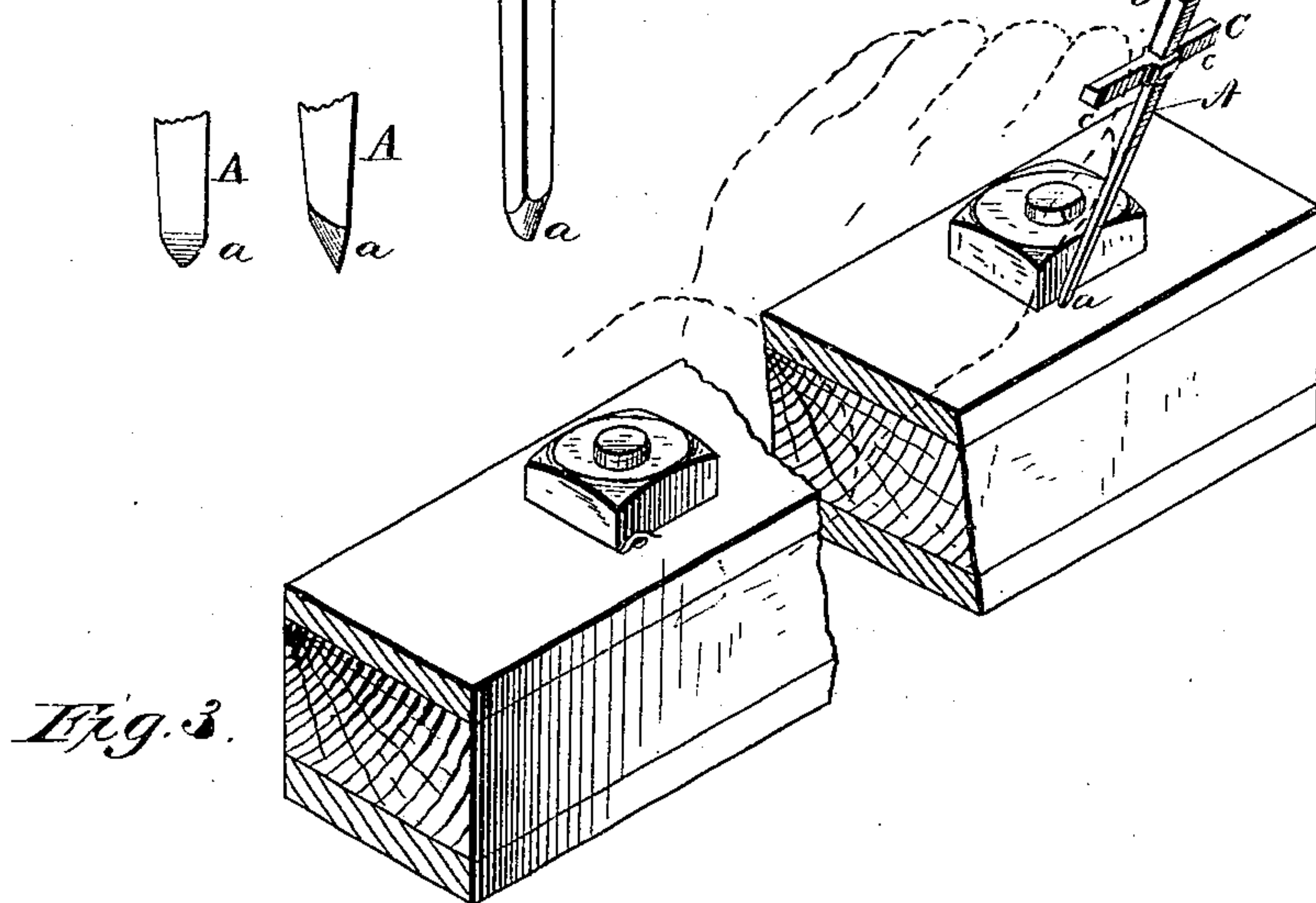
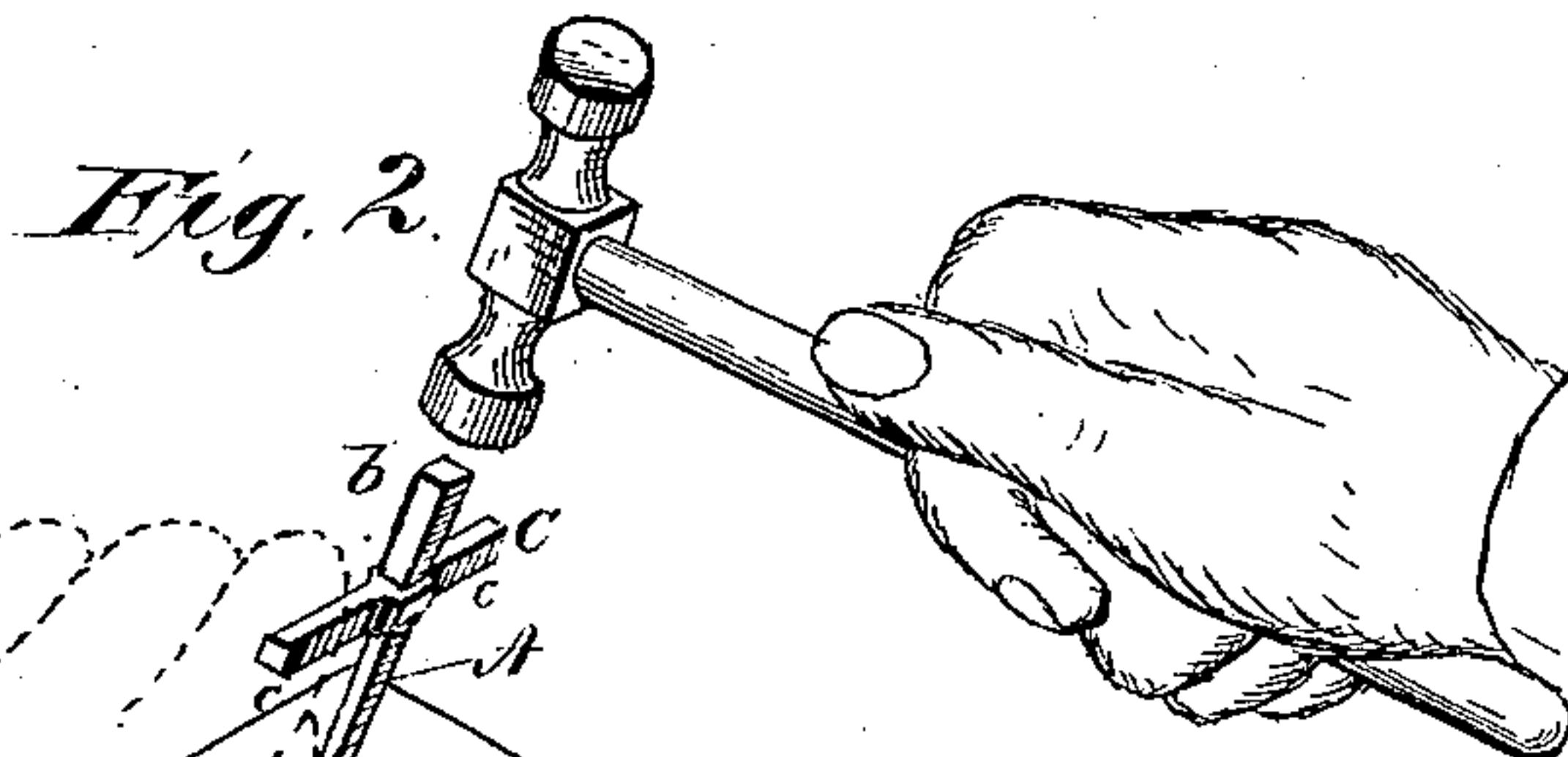
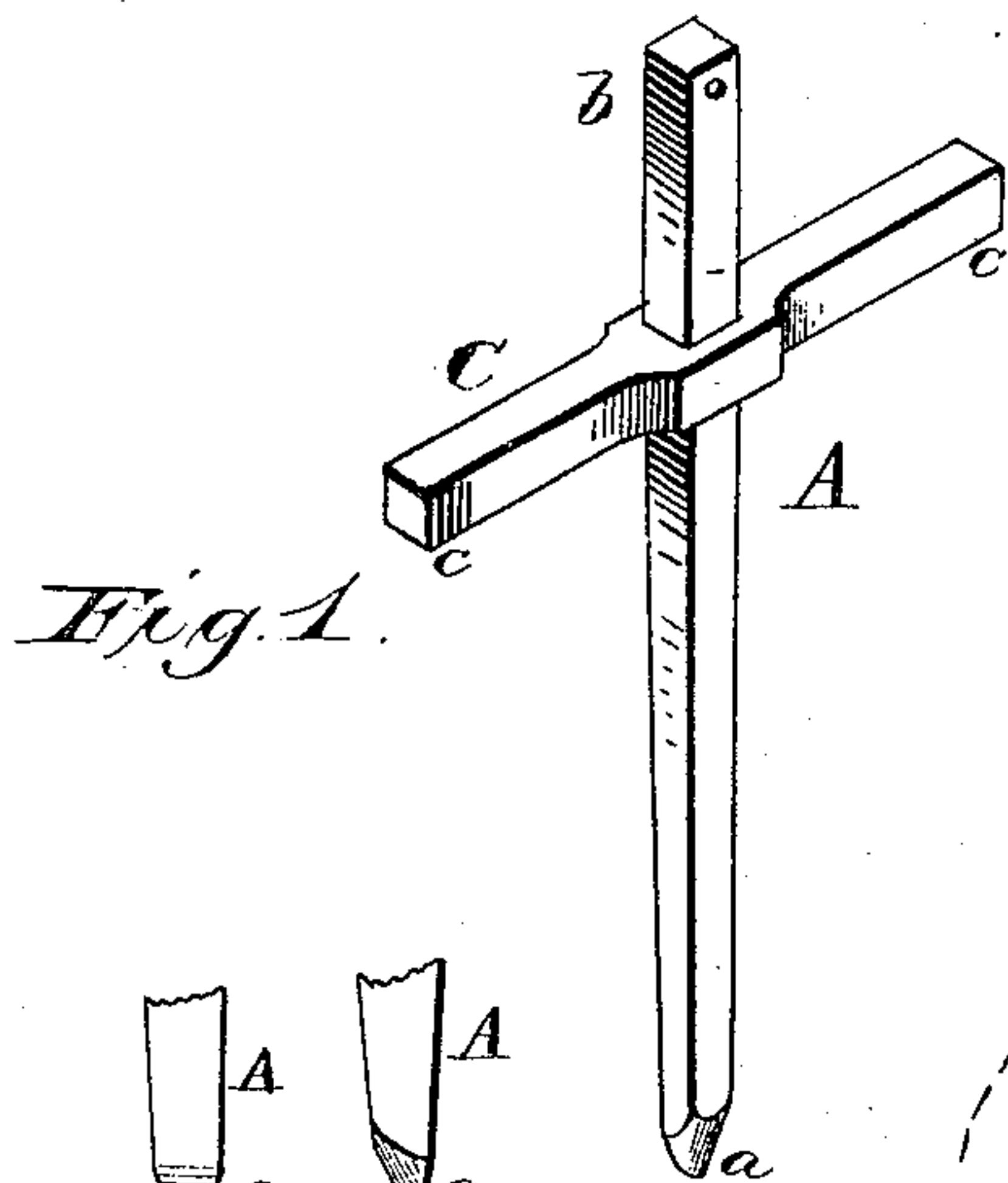


(No Model.)

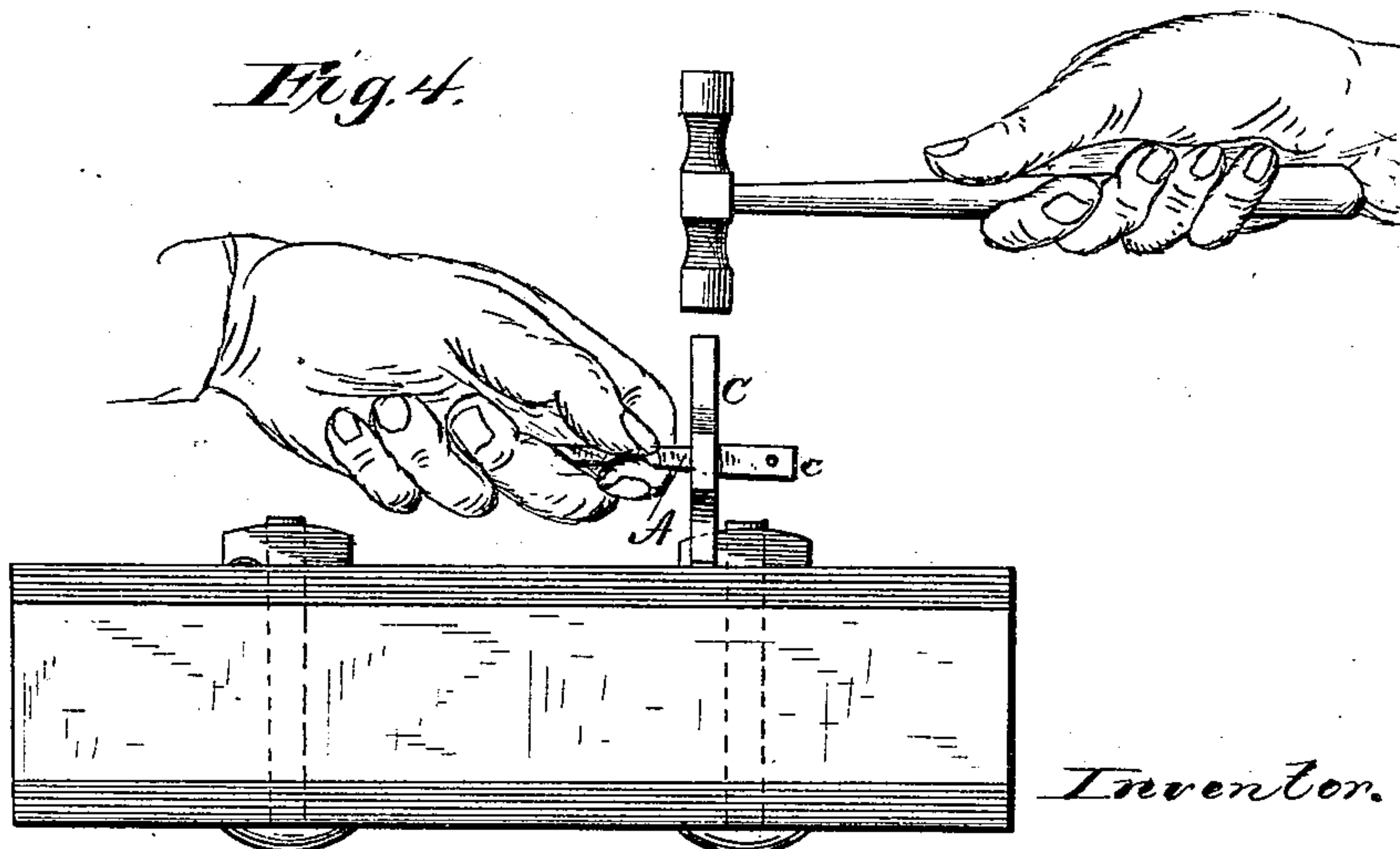
J. DE PEW.  
NUT LOCKING TOOL.

246,475

Patented Aug. 30, 1881.



*Fig. 4.*



Witnesses,  
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# UNITED STATES PATENT OFFICE.

JOHN DE PEW, OF WHARTON, OHIO.

## NUT-LOCKING TOOL.

SPECIFICATION forming part of Letters Patent No. 246,475, dated August 30, 1881.

Application filed July 5, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN DE PEW, a citizen of the United States of America, residing at Wharton, in the county of Wyandot and State of Ohio, have invented certain new and useful Improvements in Methods and Tools for Locking and Releasing Nuts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The object of this invention is to enable ordinary nuts to be locked with great facility and security without the use of specially-constructed locks, and to be readily released when desired.

It consists in a novel tool for locking and releasing nuts, as will be hereinafter fully described.

In the accompanying drawings, Figure 1 is a perspective view of my improved nut locking and releasing tool. Fig. 2 illustrates the manner of using the tool in locking a nut. Fig. 3 is a perspective view of a nut locked in position. Fig. 4 illustrates the manner of using the tool in releasing a nut.

The letter A indicates a tempered steel punch, having one end beveled to an edge, as shown at *a*, the beveled face being transversely convex and the edge consequently curved or its center advanced. The opposite end of the punch is flat, to form a driving-head, as shown at *b*, to receive the blow of a hammer when the tool is applied to use, as shown in Fig. 2.

The letter C designates a tempered steel cross-bar secured to the punch at a short distance from its head, its ends being flattened, as shown at *c*, for use in crushing or driving down the spurs or projections raised by the punch, and to receive the blows of a hammer when being used for this purpose, as shown in Fig. 4.

My invention is intended mainly for use in securing the nuts applied to bolts in agricultural machinery, railway-joints, and carriages, where they are subjected to continual jarring,

which tends to loosen them, but, of course, may be used wherever a nut is screwed up against a metallic surface, as will presently appear. After a bolt has been set in proper position, and a nut screwed up tightly upon it and against a metallic surface, the tool is placed with its edge *a* upon such metallic surface immediately behind and close to one of the sides of the nut, and its head is then struck a sharp blow with a hammer. The tool being held in a more or less inclined position, as shown, that portion of the metallic surface directly in advance of its edge will be raised in the form of a spur, as shown in Fig. 3, and jammed against the side of the nut, thus standing directly in its path and effectually preventing any backward movement of said nut. A very slight spur or elevation of the metallic surface will usually have the desired effect; but in the case of large nuts on heavy machinery such spurs may be driven against two or more sides of the nuts.

In releasing a nut the cross-bar C is brought into use, one of its ends being placed squarely upon the spur or elevation raised by the punch, as shown in Fig. 4, and its other end being struck by a hammer with sufficient force to flatten said spur or elevation flush with the surface from which it was raised, the cavity formed by the punch facilitating the flattening and being closed or filled by the spur or elevation as it is forced down.

The punch serves as a handle, by which the cross-bar is held in position when used for releasing nuts in full view of the user, and the cross-bar may, in turn, serve as a handle for the punch.

What I claim is—

The nut locking and releasing tool consisting of the punch A, provided with the cross-bar C near its head, and having a metal upsetting edge, as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN DE PEW.

Witnesses:

W. B. HALE,  
SAML. REED.