

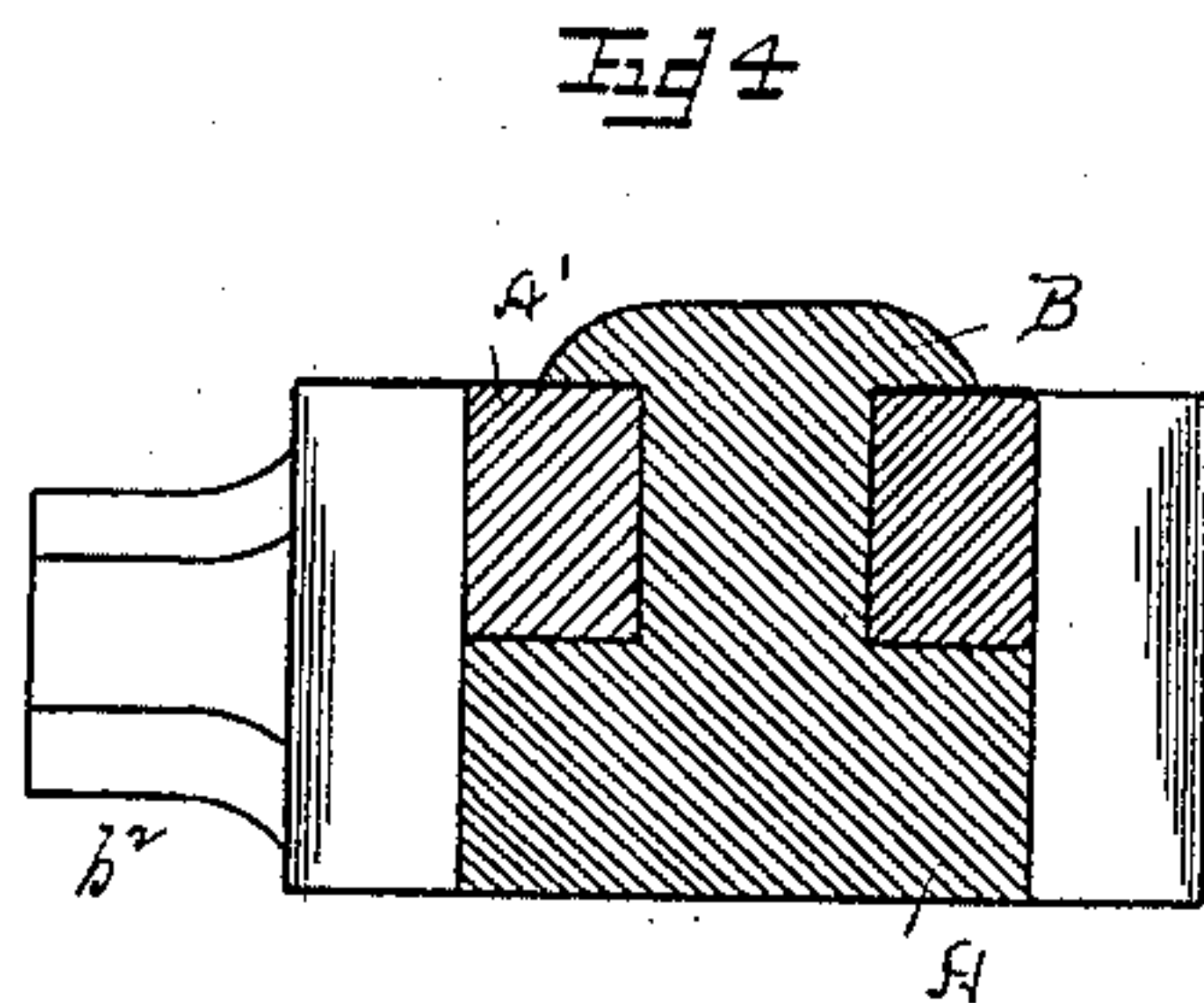
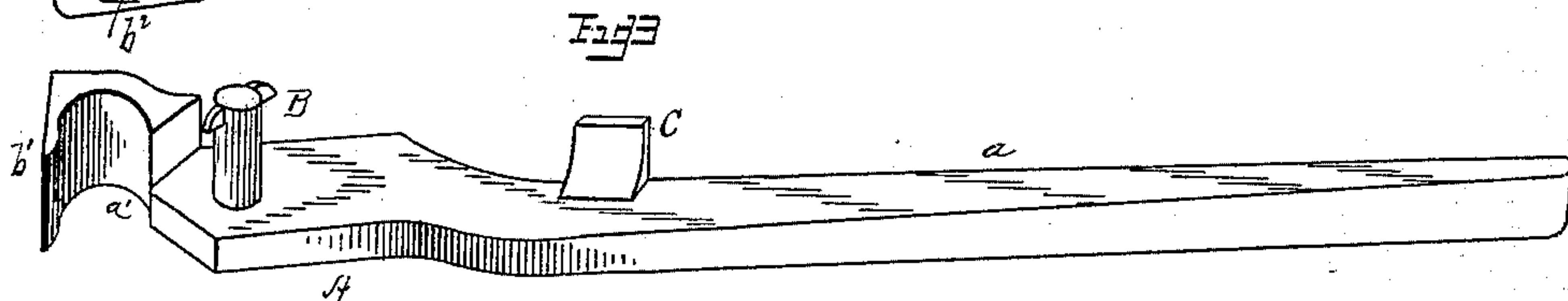
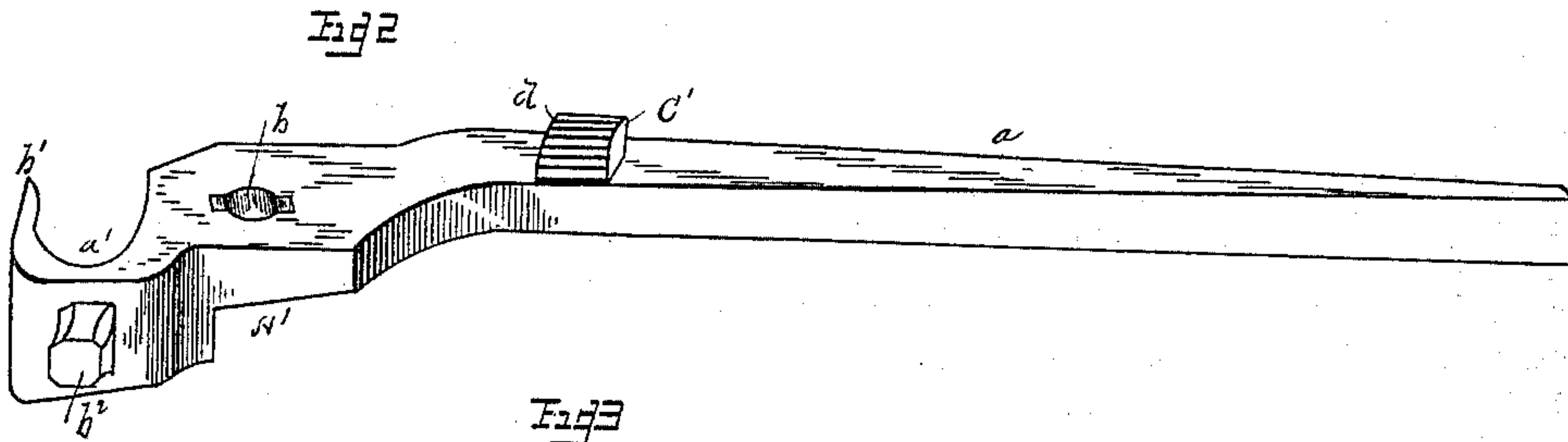
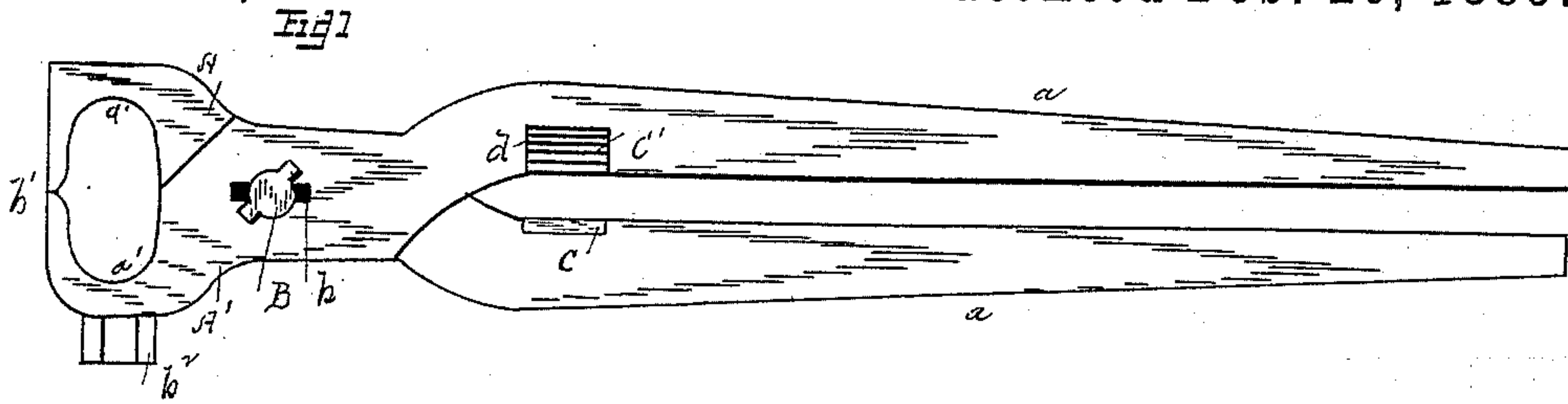
(No Model.)

J. SPONSELLER.

NIPPERS.

No. 398,464.

Patented Feb. 26, 1889.



WITNESSES,  
John Montgamery.  
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# UNITED STATES PATENT OFFICE.

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## NIPPERS.

SPECIFICATION forming part of Letters Patent No. 398,464, dated February 26, 1889.

Application filed April 11, 1888. Serial No. 270,325. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN SPONSELLER, a citizen of the United States of America, residing at Fort Apache, in the county of Apache and Territory of Arizona, have invented certain new and useful Improvements in Combination Tools or Nippers for the Use of Blacksmiths, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention pertains to certain new and useful improvements in combination tools or nippers for the use of blacksmiths, the same having for its object the production of a device combining the usual pivoted jaws having nippers at their outer ends, a hammer, a clinching-block, and the provision of suitable means for disconnecting the two jaws when it is desired to use the same separately.

The invention comprises the detail construction, combination, and arrangement of parts, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan view of my invention. Figs. 2 and 3 are perspective views thereof with the pivoted jaws separated. Fig. 4 is a cross-sectional view on the line  $x x$ , Fig. 1.

Referring to the drawings,  $A A'$  indicate the two pivoted jaws or levers, having the rearwardly-extended handles  $a a$ , each of said jaws being grooved or recessed on its inner face, as at  $a'$ , so as to provide for the convenient overlapping thereof.

$B$  is a stationary stud or post rigidly secured at one end to the jaw or lever  $A$ , and the same is of approximately T shape, as shown, and is designed to be projected through a correspondingly-shaped elongated slot or opening,  $b$ , in the other jaw or lever,  $A'$ . To connect these jaws or levers it is necessary to place the same at such an angle with relation to each other as to permit the stud or post to be inserted through the elongated slot, and when so inserted, by turning the jaw or lever  $A'$ , the outwardly-projecting shoulders of the stud or post will bear against the upper surface of said jaw or lever, whereby the removal thereof is prevented. The forward ends of the jaws or levers have formed therewith the nippers  $b' b'$ , and on the side of the nipper of the jaw or lever  $A'$  is formed or cast

integral therewith the hammer-head  $b^2$ , designed for driving the nails in place, while the nippers of the jaws or levers are designed to cut the nails or hoofs and to remove the shoe from the horse's foot.

$C C'$  are two lugs or projections formed or cast integral with the handles  $a$  of the jaws or levers  $A A'$  at points adjacent to each other, the lug or projection  $C$  being straight, while the lug or projection  $C'$  is slightly curved, as shown, both of said lugs or projections being roughened or corrugated on their inner opposite surfaces, as at  $d$ . These lugs or projections are designed to serve as clinchers for clinching the ends of the nails.

From the foregoing description it will be seen that I have produced a combination-tool extremely simple in construction, comprising but few parts, and yet serving for nearly all purposes that could be required by a blacksmith, and that by opening the jaws or levers to their full extent and disconnecting the same by allowing the stud or pin to be drawn through the elongated slot one of said jaws or levers,  $A$ , can be used as a clinching-block, as at  $d$ , and the other jaw or lever,  $A'$ , will be used as a hammer for cutting or clinching a nail.

The advantages of my invention will be apparent to those skilled in the art to which it appertains, and it will be seen that the same embodies advantages in points of simplicity, durability, general efficiency, and inexpensiveness.

I claim as my invention—

As an improved article of manufacture, the herein-described tool, comprising the two jaws or levers, the stud or post having a T-shaped end and formed integral with one of said jaws or levers and designed to be projected through a correspondingly-shaped slot of the other jaw or lever, the nippers formed at the outer ends of said jaws or levers, the hammer, and the oppositely-disposed grooved lugs, all constructed and arranged substantially as shown and described.

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

JOHN SPONSELLER.

Witnesses:

WM. WOOSTER,  
S. W. COWLES.