

(No Model.)

F. WIERWILLE.
Horseshoe Nail Clincher.

No. 238,822.

Patented March 15, 1881.

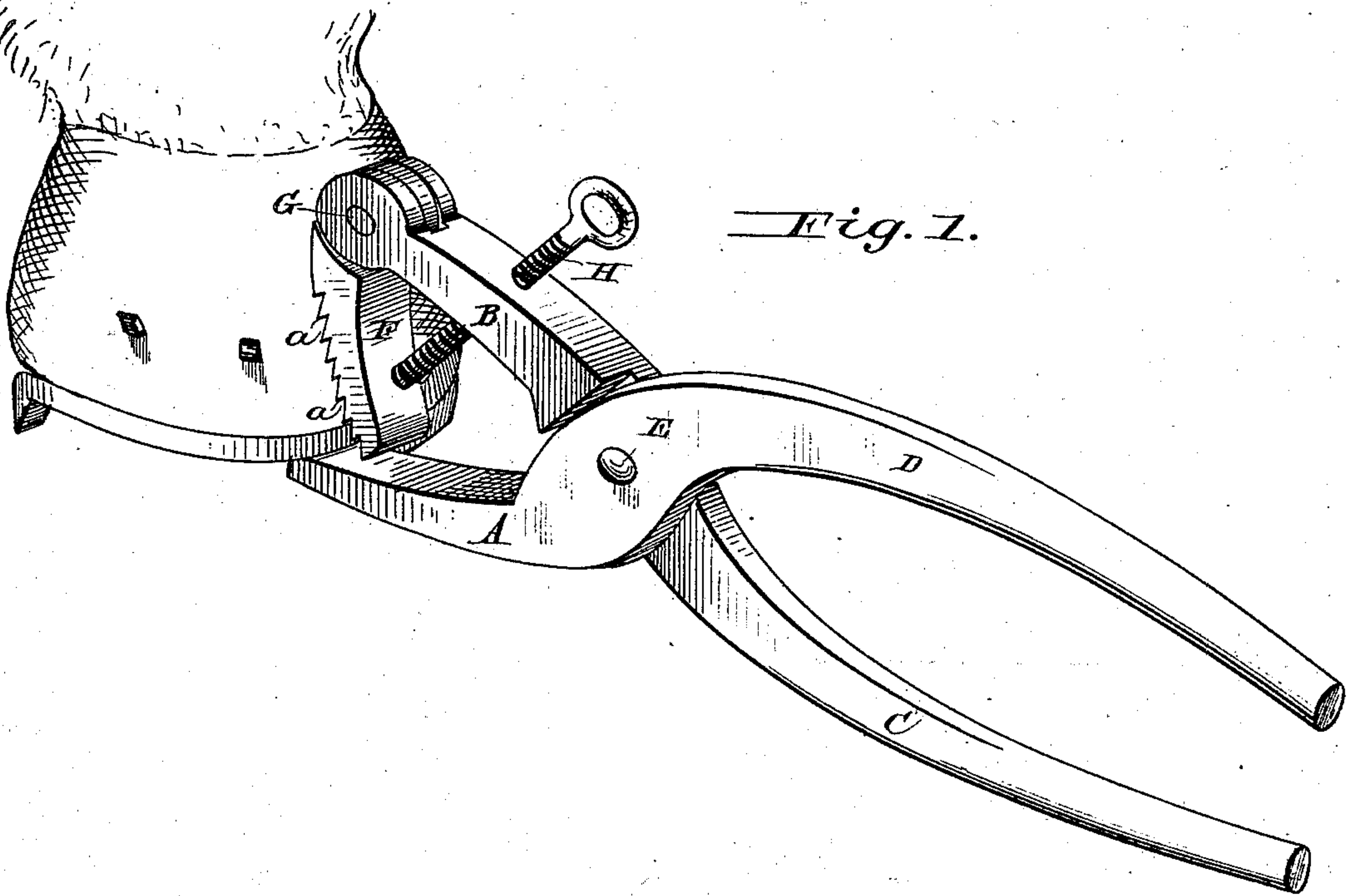


Fig. 1.

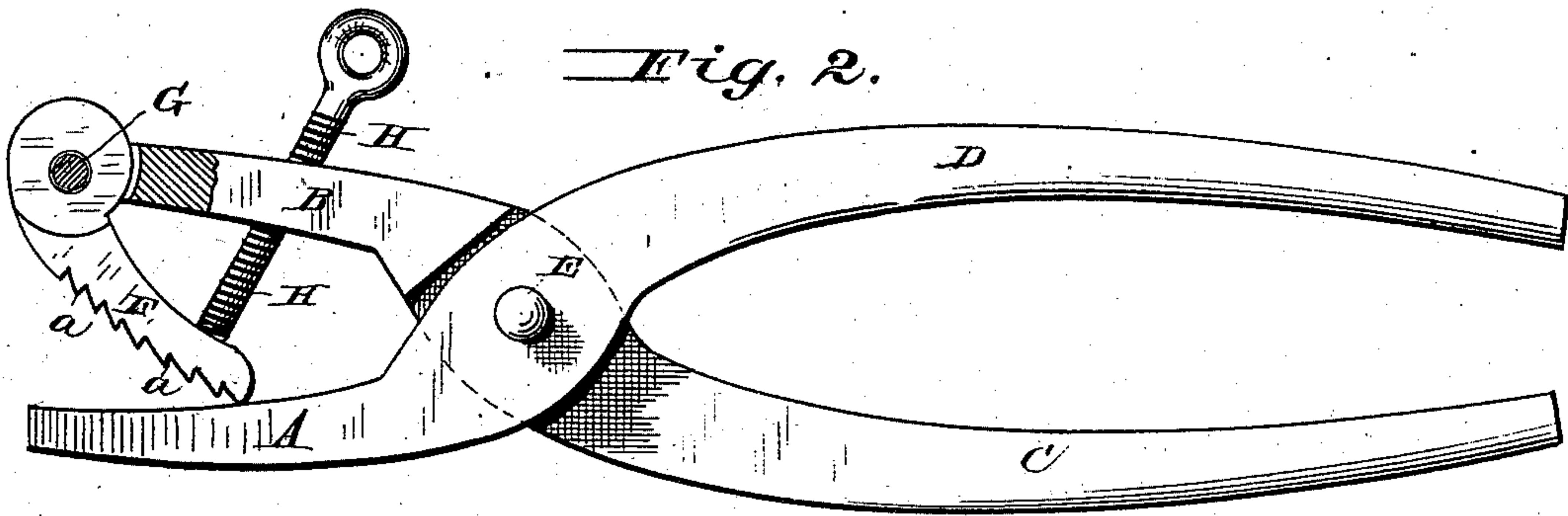


Fig. 2.

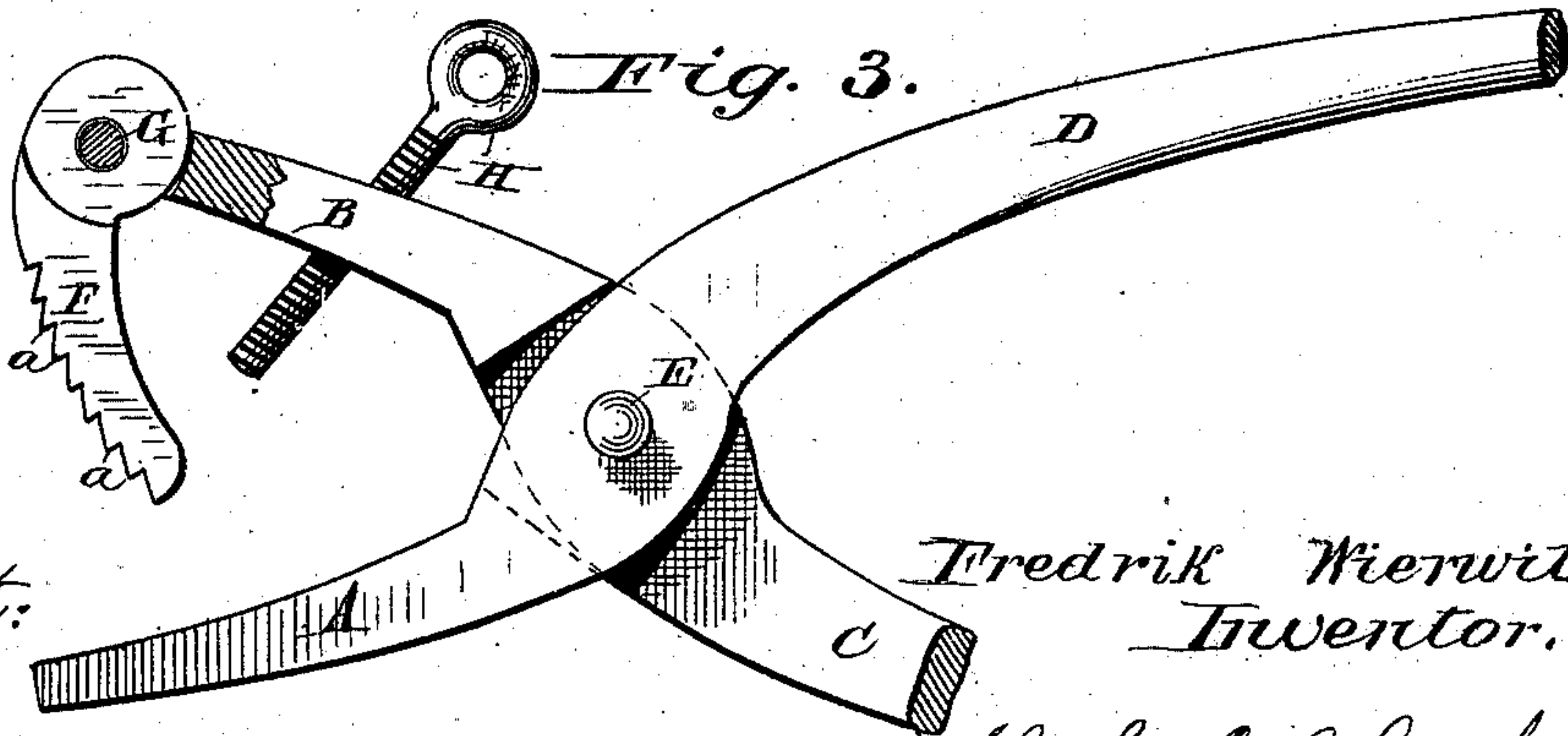


Fig. 3.

Attest:
J. C. Permie
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Fredrik Wierwille
Inventor.

By *H. S. Abbot*
Att.

UNITED STATES PATENT OFFICE.

FREDRIK WIERWILLE, OF COLUMBUS, ILLINOIS, ASSIGNOR TO REUBEN H. ROLAND, OF SAME PLACE.

HORSESHOE-NAIL CLINCHER.

SPECIFICATION forming part of Letters Patent No. 238,822, dated March 15, 1881.

Application filed September 11, 1880. (No model.)

To all whom it may concern:

Be it known that I, FREDRIK WIERWILLE, a citizen of the United States, residing at Columbus, in the county of Pope and State of Illinois, have invented certain new and useful Improvements in Horseshoe-Nail Clinchers; 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.

My invention has for its object the construction of a simple, convenient, and effective tool for clinching horseshoe-nails, and it obviates the necessity for using a hammer and clinching-iron upon the tender part of the hoof.

Figure 1 is a perspective view of my invention; Fig. 2, a side view; Fig. 3, a sectional view showing in detail the eccentric hinge G and the set-screw H.

My invention consists in combining an adjustable toothed bit with a common form of blacksmith's tongs, and in regulating its pitch by means of an eccentric hinge and a set-screw.

A and B are the jaws of the tongs. C D are the handles, and E the pivotal point. The outer end of the jaw B is furcated to receive the end of a bit, F, which is held in place by a pin, G, thereby forming a hinge, and adjusted

by means of a set-screw, H, passing through the jaw B and bearing on the back part of the bit. The front side of the bit is provided with a suitable number of teeth, *a*, for engaging with the ends of the nails, as will be hereinafter more fully described. The pivotal end of the bit F is constructed circular in form, with an eccentric forming part of the edge, and is so set as to engage the jaw and limit the outward movement of the bit to the ends of the jaws.

The operation of my device is as follows: The nails having been driven home and the ends cut off, the smith takes this clincher in hand and applies the jaw A to the bottom of the hoof and the end of jaw B to the hoof, adjusts the bit F to the inclination of the hoof by means of the set-screw, and then applies the teeth to the protruding end of the nail, and, closing the handles, draws the end of the nail down, thereby clinching it without any hammering on the hoof.

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

In a blacksmith's tongs, the combination of the jaws A B, toothed bit F, and set-screw H, substantially as shown and described.

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

FREDRIK WIERWILLE.

Witnesses:

HORACE LEONARD,
JOHN T. BALDWIN.