

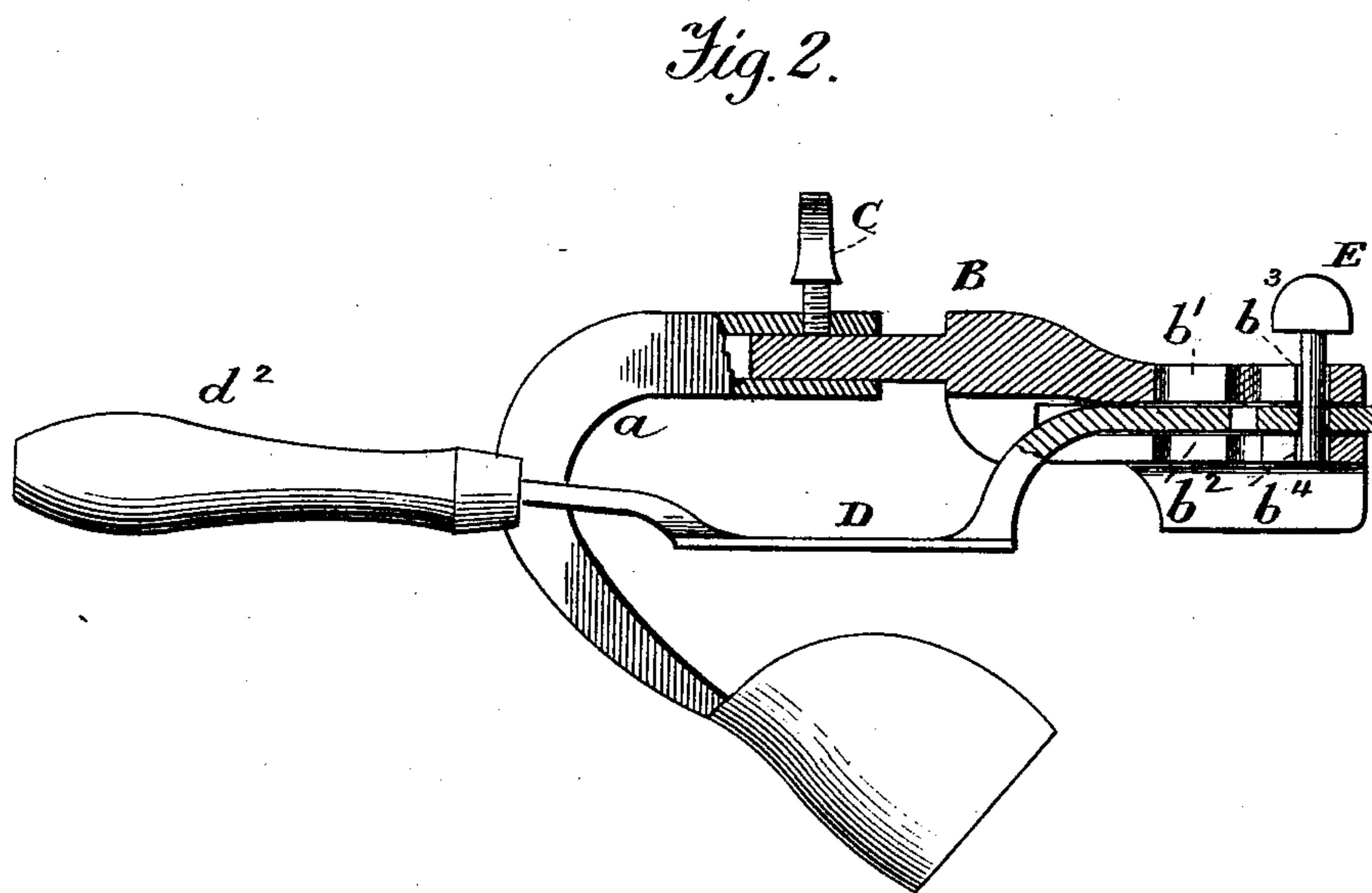
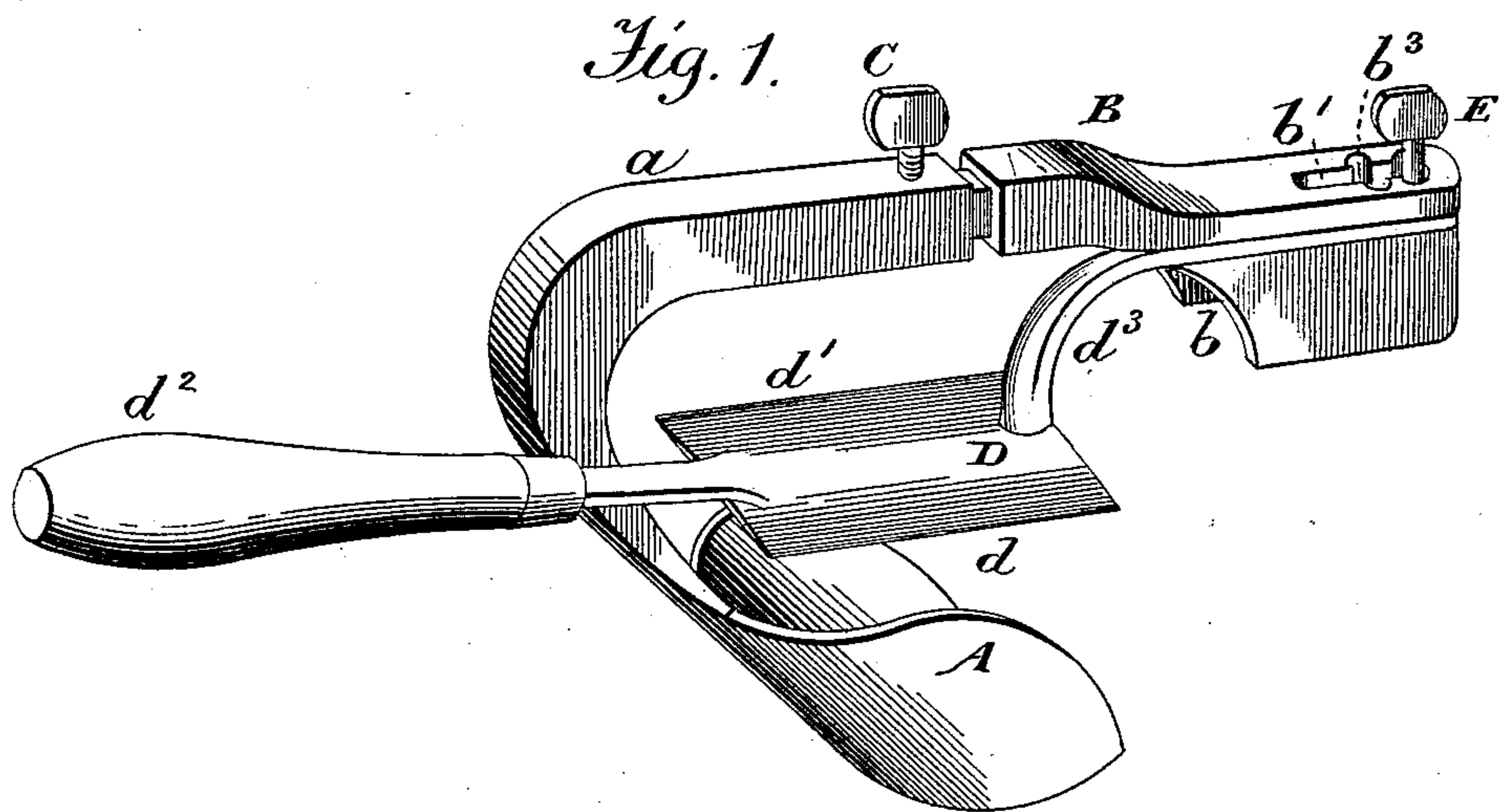
(Model.)

D. H. FRIDLEY & H. M. NESTER.

BLACKSMITH'S BUTTRESS.

No. 434,560.

Patented Aug. 19, 1890.



Witnesses.
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UNITED STATES PATENT OFFICE.

DAVID HOPKINS FRIDLEY AND HERSCHEL M. NESTER, OF HENDRICKS,
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BLACKSMITH'S BUTTRESS.

SPECIFICATION forming part of Letters Patent No. 434,560, dated August 19, 1890.

Application filed April 14, 1890. Serial No. 347,882. (Model.)

To all whom it may concern:

Be it known that we, DAVID HOPKINS FRIDLEY and HERSCHEL M. NESTER, citizens of the United States, residing at Hendricks, in the county of Tucker and State of West Virginia, have invented certain new and useful Improvements in Blacksmiths' Buttresses; and we do 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 the letters of reference marked thereon, which form a part of this specification.

The special object of the invention is to make a blacksmith's buttress which will not require the horseshoer to push it with his shoulders as he pares the horse's feet, as is done with the one in general use.

Figure 1 of the drawings is a perspective view of our invention; Fig. 2, a longitudinal vertical section.

In the drawings, A represents the cuff, which is concaved to fit on the top of the hoof and provided with the curved shank a , and grooved to receive the tenon of the frog-piece B. By this construction the two pieces A B may be adjusted with respect to each other to suit the different sizes of feet and held by means of a set-screw C.

b is the cavity in which fits the heel or back part of the frog, so that, with the front piece A, the whole buttress may be held firmly to the horse's foot.

D represents the paring-knife, which has a right and left edge d d' , a rearwardly-projecting handle d^2 , and a curved front projection d^3 , which has two holes, in either of which the pivot E may be placed, so that it may be adjusted to a longer or shorter hoof. The projection d^3 turns between the top of the cavity b and the tenon-piece B', both of which have

corresponding vertical slots b' b^2 and side notches b^3 b^4 , in which the pivot may work.

Our buttress will enable the paring to be done with ease, rapidity, and accuracy, while the labor to the smith himself will be reduced to a minimum. The side notches are for the purpose of allowing of lengthening or shortening the knife according to the size of the horse's foot; also that it may be thrown to either side and pass the center of foot under the beam, so that the lever may be moved from one notch to another. In trimming a small foot the end of the lever is put in the last or farthest notch from the operator on the side opposite to that on which he is trimming, while it is put in the nearest notch for a large foot. These side notches hold firmly the little bolt which goes through the end of the lever. The knife might be stationary and do the work moderately well, but to do nice and accurate work it must be adjustable.

Having thus described all that is necessary to a full understanding of our invention, what we claim as new, and desire to protect by Letters Patent, is—

A blacksmith's buttress for horseshoers, consisting of the cuff A, with a curved shank a , having a longitudinal socket in its end, and the tenoned frog-piece B, adjustable therein, said frog-piece having the frog-cavity b , vertical slots b' b^2 , and side notches b^3 b^4 , a double-edged paring-knife D, having a handle d^2 and a front projection having a vertical aperture, and the pivot E, as shown and described.

In testimony whereof we affix our signatures in presence of two witnesses.

DAVID HOPKINS FRIDLEY.
HERSCHEL M. NESTER.

Witnesses:

PERRY N. FRIDLEY,
OLIVER P. NESTER.