

(No Model.)

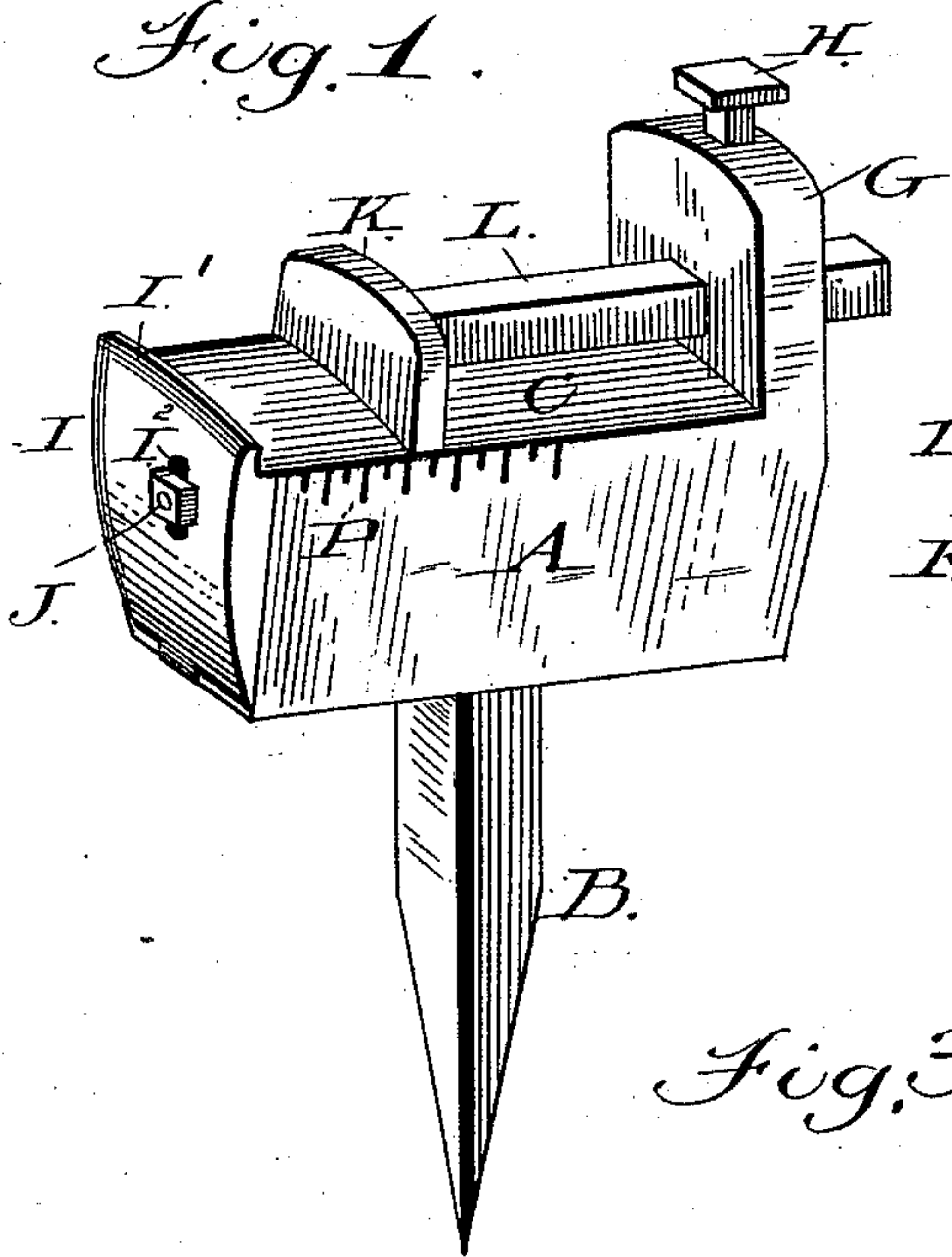
W. D. FRANK.

## HAND TOOL FOR SHOE MAKERS.

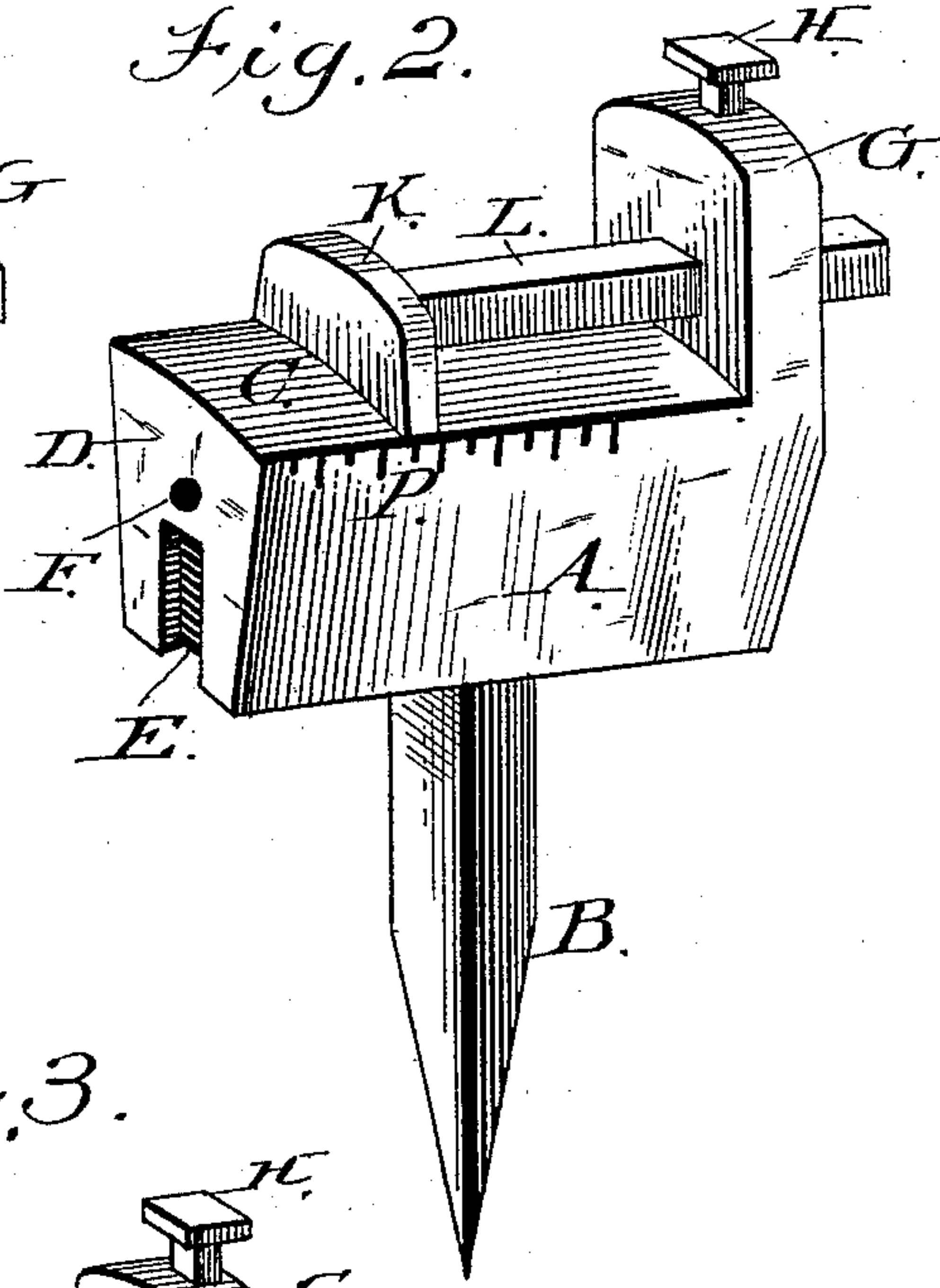
No. 299,973.

Patented June 10, 1884.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

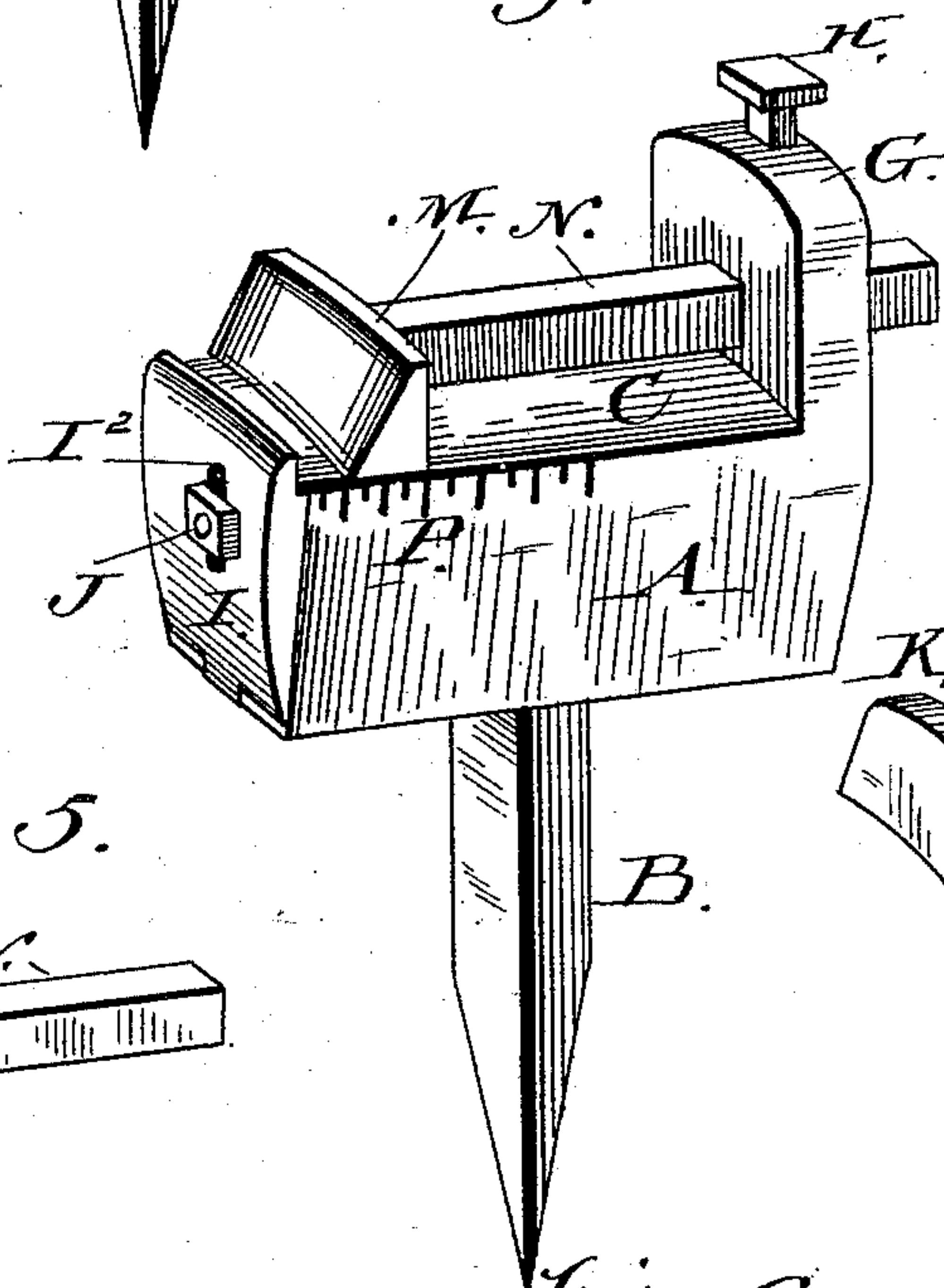


Fig 4.

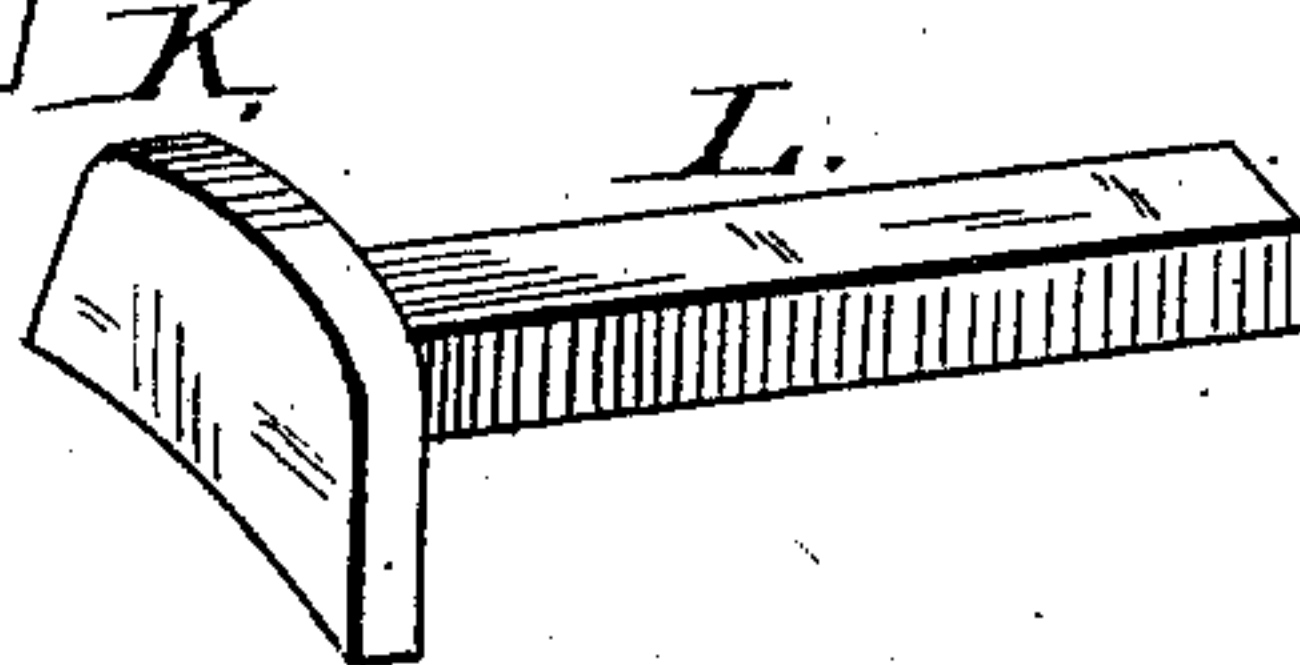


Fig. 5.

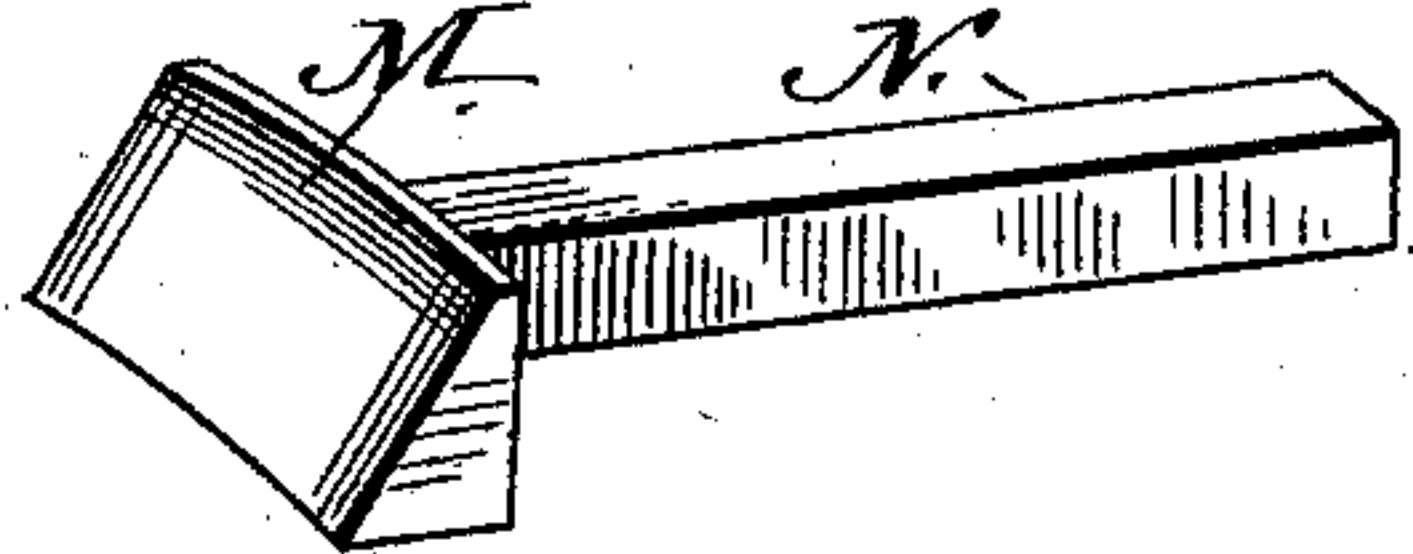
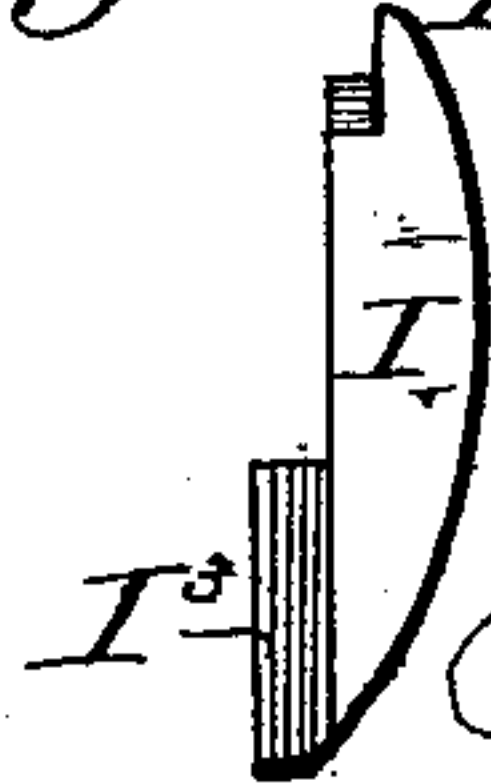
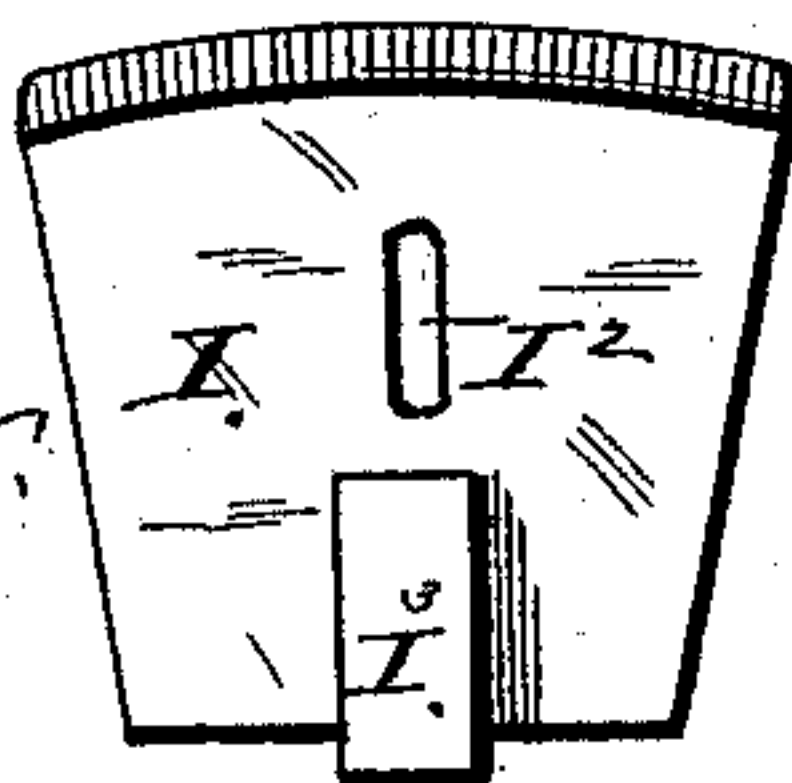


Fig. 6.



Attest;

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by  
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Atty



# UNITED STATES PATENT OFFICE.

WILLIAM D. FRANK, OF ELIZABETHVILLE, PENNSYLVANIA.

## HAND-TOOL FOR SHOE-MAKERS.

SPECIFICATION forming part of Letters Patent No. 299,973, dated June 10, 1884.

Application filed December 14, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM D. FRANK, a citizen of the United States, residing at Elizabethville, county of Dauphin, State of Pennsylvania, have invented a new and useful Improvement in Hand-Tools for Shoe-Makers, of which the following is a specification.

This improvement relates to the class of compound tools for shoe-makers' use, where one tool is intended to subserve the purpose of many separate tools.

The object of the improvement is to furnish to the craft a tool that will burnish, edge, and shoulder equal to the separate tools now used for that purpose, and which, composed of four detachable pieces and two set-screws, will take the place of between sixty and seventy separate tools now comprised in a good jobbing shoe-maker's kit, and thus give to every shoe-maker a full kit of tools at a minimum price. This object I attain in the use of the implement shown in the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents the tool adapted for use as a single finishing-iron or square-edged-sole tool. Fig. 2 represents it as a shoulder-iron. Fig. 3 represents it as a bevel-sole tool. Fig. 4 is the gage used with the square-edged sole. Fig. 5 is the gage used with the bevel-edged sole; Fig. 6, a detached view of the creasing or bead plate.

A represents the bed; B, the shank; C, the burnishing-face; D, seat for creasing or bead plate; E, recess for lug of plate; F, threaded hole for set-screw; G, gage-lug; H, set-screw in same; I, creasing or bead plate; I', creasing and beading edge; I<sup>2</sup>, oblong slot in plate; I<sup>3</sup>, lug fitting recess E in the end of bed; J, set-screw; K, gage-head for square-edged soles; L, shank to same; M, gage for bevel-edged soles; N, shank to same; P, divisions on the side of the bed corresponding with the numbers 00 to 20, as used in the trade.

The bed may be constructed of cast or malleable iron, and the detached pieces of cast-steel, or the whole may be of cast-steel, as may be found most desirable; or the detached pieces may be formed under a drop-press of wrought-iron, and subsequently case-hardened. Either way will not be expensive, and

the fitting work is limited to cleaning, polishing, and tapping for two set-screws.

In use the implement, arranged as in Fig. 1, has the creasing or beading plate I placed flush with the burnishing-face of the bed, and is secured by the screw J. The gage K is then adjusted at the proper distance from the plate, governed by the number size-divisions on the side of the bed, and ranging from No. 00 to No. 20, as the case may be, and the set-screw H screwed down upon the shank L, it is ready for operation, and serves the purpose (as adjusted) of twenty-two separate tools. To use it as a shoulder-tool, the creasing or bead plate I is loosened and dropped upon the set-screw J and secured in place; or it may be removed altogether, which is preferable. The gage K is then adjusted, as before, by the side divisions on the bed, and when adjusted will do the work of twenty single and ten double hand-tools for the same purpose. To use it as a bevel-sole tool, the creasing or bead plate I is replaced and the gage M substituted for the gage K, when it will take the place of six numbers of bevel-sole tools. To use it as a shank-iron, the tool is used in the condition shown in Fig. 3, with the gage set to the first division on the side of the bed. By the adjustment of the gage it will then operate in place of four numbers of the shank-tools common to the kit of the shoe-maker. Many other applications of the tool will suggest themselves to the practical shoe-maker in the use of the same.

I am aware that hand-tools have been used previous to my invention; but I believe that I am the first to embody them in the form shown and described, whereby their use is practically extended.

It will be understood that the shank B of the bed A is for insertion in a handle adapted to the use of the same.

Having shown the construction, operation, and advantages of my improved shoe-maker's tool, I desire to secure by Letters Patent the following claims thereon:

1. A shoe-maker's hand-tool consisting of a bed, A, provided with a shank, B, for insertion in the handle, having a seat, D, at one end, with a recess, E, and threaded hole F at the opposite end, a perforated lug, G, cast in-

tegral with the bed, and a set-screw, H, in combination with the removably-secured gage K, or its equivalent, and the removably secured plate I, with its bead I', oblong slot I<sup>2</sup>, and lug I<sup>3</sup>, substantially as and for the purpose specified.

2. In combination with a shoe-maker's hand-tool, as described, the detachable creasing or beading plate I, having lip and bead I' of the usual construction, and provided with an oblong adjusting-slot, I<sup>2</sup>, and a tongue or lug, I<sup>3</sup>, fitting the recess E of the bed A, and remova-

bly secured thereto by the set-screw J, substantially as and for the purpose set forth.

3. In a shoe-maker's hand-tool, as described, and as a shank and burnishing-iron, the combination of the bed A, gage M, plate I, divisions P, shank N, and screws H and J, as shown, and for the purpose set forth.

WILLIAM D. FRANK.

Witnesses:

GEORGE M. WERT,  
JOHN F. COOK.