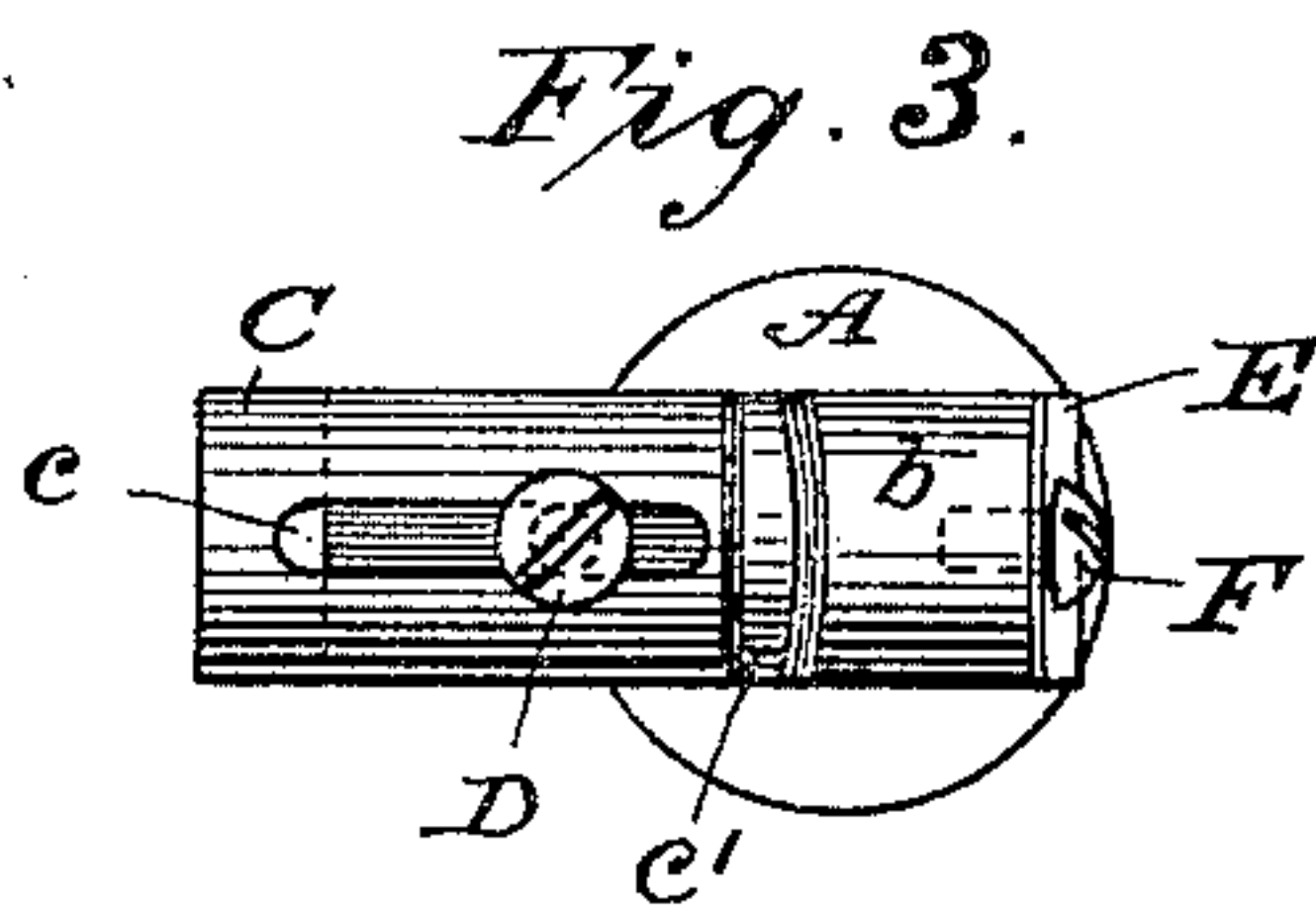
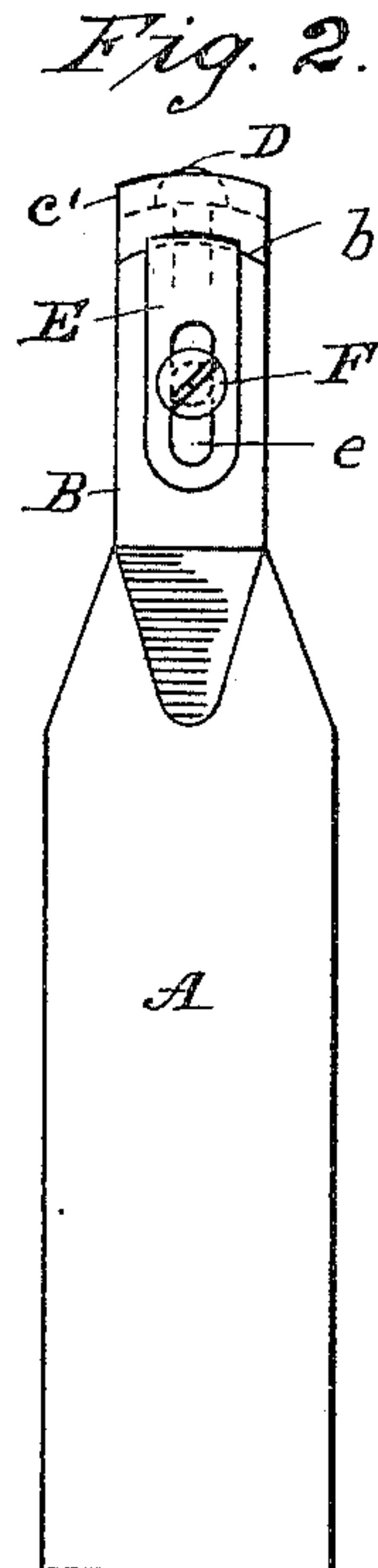
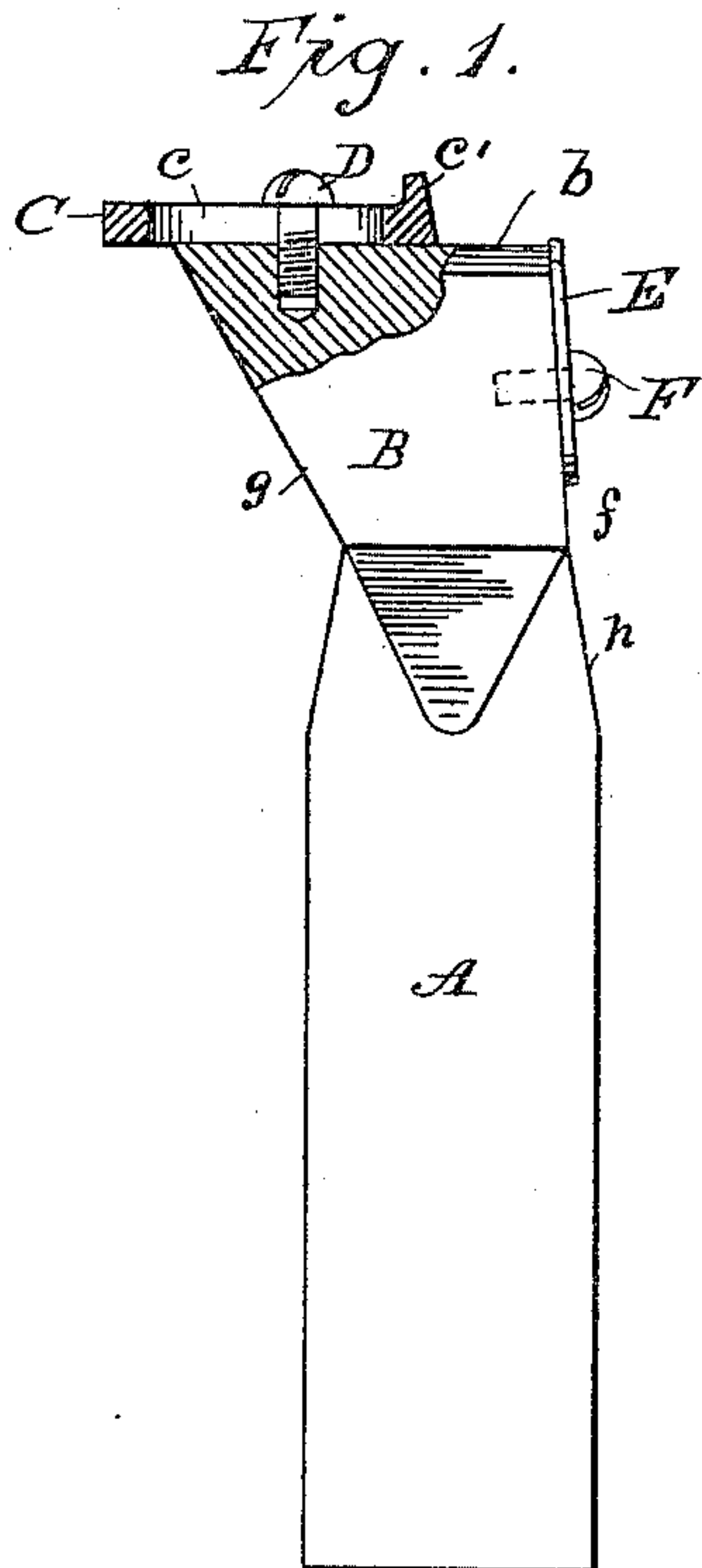


(No Model.)

G. W. GREER.  
SHOULDER STICK.

No. 604,581.

Patented May 24, 1898.



Witnesses

Tracy C. Ford.  
H. W. Eastman.

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# UNITED STATES PATENT OFFICE.

GEORGE W. GREER, OF CONCORD, NEW HAMPSHIRE.

## SHOULDER-STICK.

SPECIFICATION forming part of Letters Patent No. 604,581, dated May 24, 1898.

Application filed November 23, 1896. Serial No. 613,091. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. GREER, a citizen of the United States, residing at Concord, in the county of Merrimac and State of New Hampshire, have invented certain new and useful Improvements in Shoulder-Sticks; 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.

This invention relates to hand-tools for burnishing the edges of soles of shoes. Heretofore such tools have been made to carry what are termed "detachable trucks," two of which are detachably fastened by screws at opposite sides of the tool. These have a bead on one edge and are made of various widths, twenty-one of the trucks being required to form a complete set, which makes the tool rather expensive, taking into account the first expense of such a tool and the time consumed in substituting trucks of one width for those of another.

The object of my invention is to provide a tool consisting of fewer parts, all of which are connected and simply require adjustment, this being effected easily and quickly while the tool is hot and ready for use.

The invention will be fully set forth in the following specification and claim and clearly illustrated in accompanying drawings, forming a part of the same, of which—

Figure 1 is a broken side elevation, Fig. 2 being an elevation showing the right side of Fig. 1, and Fig. 3 being a plan or end view.

Similar reference-letters designate corresponding parts in all the views.

A is a suitable handle, in which I mount my improved burnisher or "shoulder-stick" B, substantially of the form shown, having its upper edge curved, as at *b*, to which curved surface is fitted an adjustable stop-piece consisting of a curved plate C, provided with an elongated opening *c*, running longitudinally, for the reception of a retaining-screw D, which is threaded to the curved surface *b*, and with a flange *c'*, whose outer surface is inclined and curved, as shown in Fig. 3. This curved flange *c'* forms the shoulder which may be set by the screw D at any point desired

upon the burnisher to finish the edge of a shoe-sole of a given thickness.

The shoulder-stick proper or head B is, as stated, transversely curved throughout the entire extent of its face *b*. The side faces of the head are parallel and the front and rear faces *f* and *g* are inclined rearwardly from the adjacent end of the handle A, but in different degrees. This inclination of the front and rear faces serves a twofold purpose—first, to arrange the front face *g*, which carries the adjustable bead-plate E, in substantial alignment with the inclined or contracted end *h* of the handle A. This inclination facilitates the proper location of the instrument upon the stock when the handle is positioned in the ordinary manner by the operator. The second purpose served by this peculiar construction of the head is that a comparatively long bearing is provided for the plate C, which is curved throughout its length corresponding to the curvature of the burnishing-face of the stick, and the extent of the adjustment of said plate is increased while adapting the head for attachment to the ordinary handles employed with tools of this character. In its ordinary adjusted positions the plate C is supported throughout its length by the face *b*, and even when adjusted as far back as it would be in use with the widest-extended soles the rear end of said plate will only project to a very slight degree beyond the rearwardly-extended face of the head.

When used for repairing, a bead is seldom required; but when it is desired to use a bead, the adjustable plate E is secured to the narrow side of the burnisher or shoulder-stick B, which is the least inclined, by a screw F, passing through an elongated opening *e* and threaded to the burnisher, as shown, and may be moved up to the position shown in Figs. 1 and 2 and serve the purpose.

Thus my improved tool meets all the requirements and performs all the functions of the more expensive tool now in use and is more quickly adjusted.

Having described my improvements, what I claim is—

In a burnisher or shoulder-stick, the combination with a handle provided with an inclined end, of a head having its side walls



parallel, its front and rear walls rearwardly inclined in different degrees, the front wall being in substantial alinement with the adjacent inclined face of the handle and the end  
5 or burnishing-face of the head being transversely curved throughout its length, an adjustable stop-piece consisting of a plate C substantially longitudinally coextensive with the burnishing-face of the head, correspond-  
10 ingly transversely curved throughout its length and provided with a longitudinal slot and with a flanged upwardly-inclined and longitudinally-curved face, a retaining-screw  
15 screwed into the head at a point adjacent to

its rear edge, and a bead-plate E of somewhat less width than and adjustably secured to the front face of the head, the upper edge of said bead-plate being curved in degree corresponding to the curvature of the burnishing-face 20 of the head, and a screw extending into the front face of the head and passing through a longitudinal slot in the bead-plate, substantially as and for the purpose specified.

In testimony whereof I affix my signature 25 in presence of two witnesses.

GEORGE W. GREER.

Witnesses:

J. B. THURSTON,

EMILE H. TARDIVEL.