

A. D. Kelly,
Shoe-Heel Machine.

N^o 11,196.

Patented June 27, 1854.

Fig. 1.

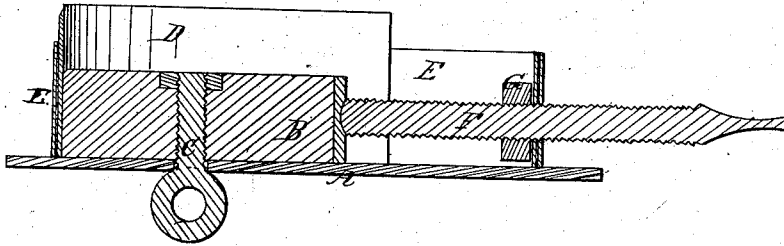


Fig. 2.

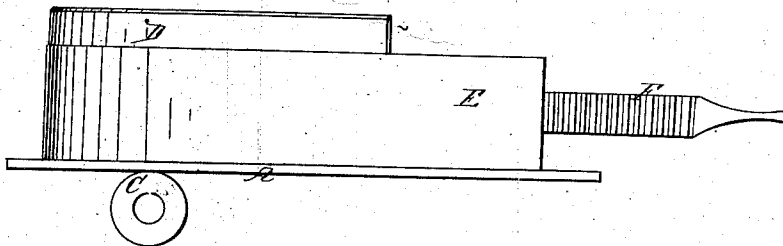
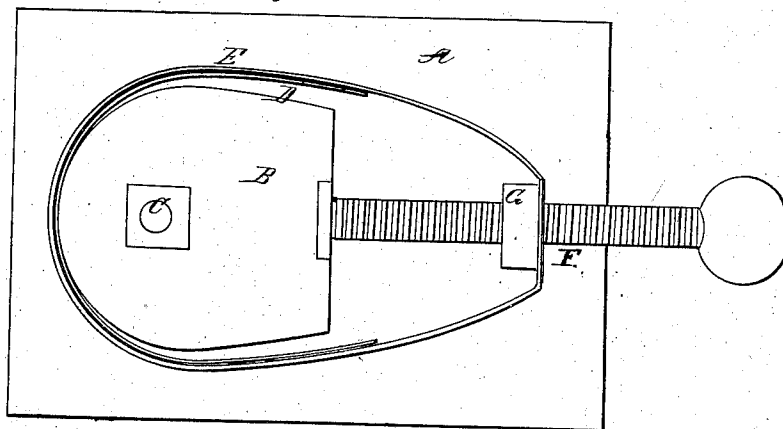


Fig. 3.



UNITED STATES PATENT OFFICE.

ALFRED D. KELLEY, OF ROCHESTER, NEW HAMPSHIRE.

HEEL-CUTTER.

Specification of Letters Patent No. 11,196, dated June 27, 1854; Antedated March 20, 1854.

To all whom it may concern:

Be it known that I, ALFRED D. KELLEY, of Rochester, in the county of Strafford and State of New Hampshire, have invented an Improved Heel-Cutter; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, letters, figures, and references thereof.

Of the said drawings Figure 1 represents a top view of my improved heel cutter. Fig. 2 is a side elevation of it. Fig. 3 is a central vertical and longitudinal section of it.

In the said drawings, A, is a rectangular or other proper plate or piece of metal having a pattern or block, B, fastened to it by means of a screw, C, such pattern being made in top view to correspond with the form of a heel, which the instrument is adapted to produce or which it may be desirable to have cut by it, from a sheet of leather. The said pattern block should be made of suitable thickness and which may be about three-fourths of an inch. Around the curved edge or side of this pattern block, a spring knife D, is bent, such spring knife being formed from a rectangular plate or strip of steel, and having its upper edge beveled or sharpened. Over and around this knife is laid a flexible yoke, E, formed as seen in the drawings, it being composed of a thin strip of metal bent around and having its ends made to overlap one another and be connected by rivets or in any other suitable way. A screw, F, is made to pass through said yoke and to screw into and through a nut, G, arranged within the yoke as seen in the drawings, the inner end of the screw being made to abut against the heel former or pattern.

By turning up the screw the nut will be

moved in a direction away from the pattern and so as to elongate the yoke and draw the spring knife close into contact with the curved edge of the pattern so as to bring the cutting edge of said knife into the desired curve to enable it to be used for the purpose of stamping or cutting out heels from pieces or strips of leather.

It is intended to supply my heel cutter with a series of pattern blocks varying in their sizes, each being used as occasion may require. As by means of the flexible yoke and any such pattern block, the knife may have imparted to it the shape required to cut or stamp out a heel corresponding in shape so far as may be necessary with that of the pattern block.

I am aware that spring knives have been used in sole cutters and that they have had screws adapted to them in such way as to change their form or forms according to the size of the sole to be cut by them. I therefore do not claim such but

What I do claim is—

The combination and arrangement of the flexible yoke and its screw, with the spring blade for the former or pattern substantially as specified, such flexible yoke and screw enabling a person to change the form of the cutting edge of the knife or to adapt the knife to any pattern block substantially as specified.

In testimony whereof I have hereunto set my signature this tenth day of March, A. D. 1854.

ALFRED D. KELLEY.

Witnesses.

JAS. M. FESSENDEN,
CYRUS K. SANBORN.