

N. A. SWETT.  
Heel-Shave.

No. 164,885.

Patented June 22, 1875.

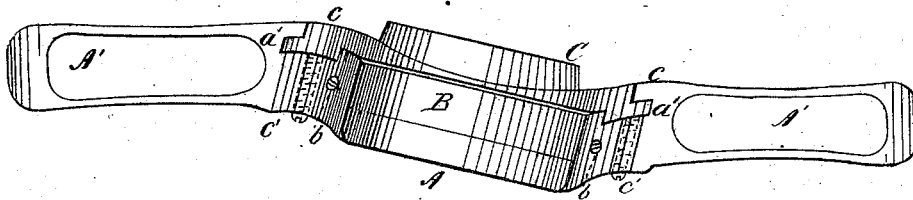


Fig. 1

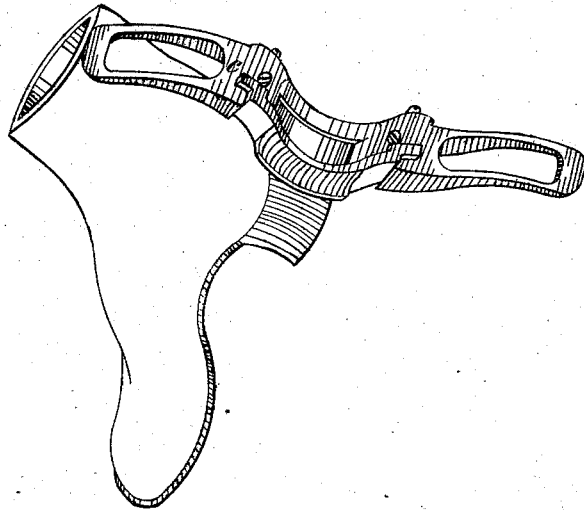


Fig. 2

Witnesses

S. J. Van Stavern, Jr.  
J. P. Connolly

Inventor

Nathaniel A. Swett  
Connolly & Co., Attorneys

# UNITED STATES PATENT OFFICE.

NATHANIEL A. SWETT, OF WESTBROOK, MAINE.

## IMPROVEMENT IN HEEL-SHAVES.

Specification forming part of Letters Patent No. **164,885**, dated June 22, 1875; application filed May 13, 1875.

*To all whom it may concern:*

Be it known that I, N. A. SWETT, of Westbrook, in the county of Cumberland and State of Maine, have invented a certain new and useful Heel-Shave; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a plan of the heel-shave; Fig. 2 showing the position of the shave when the heel of a boot is being cut.

The object of my invention is to provide a heel-shave by which an oblique cut may be more easily and perfectly produced than by any heretofore known device.

My invention consists in the peculiar construction and combination of parts as hereinafter more fully described.

Referring to the accompanying drawing, A shows the stock of my implement having handles A' A' on either side at equal but opposite angles, so that when in operation the right handle will set forward and the left one backward.

By this arrangement of the handles, the stock has an oblique set with reference to each, producing a result hereinafter more fully specified.

B is the blade, set in recesses in the stock A, and fastened therein by screw *b b* entering from the opposite side of said stock. The blade B is curved to correspond with the curvature of the stock A to which it is secured.

The method of producing the blade B in the form shown is substantially as follows: I take a steel tube, say six inches in diameter, and split it lengthwise into quarters. I then cut off obliquely the end of one of these quarters at an angle of, say, twelve degrees, and then cut off from the remainder of the quarter section, in a line parallel with the first, a

strip the width required. This last-named piece or strip will be both oblique and curved, and gives the desired form for the blade. The ends of the blade are set off, as shown at *b' b'*, to fit in the recesses in the stock A. C is the gage, curved and oblique to correspond with its ends which are set off, as shown at *c c*, fitting in L-shaped slots *a'* in the stock A, and held therein by set screws *c' c'* entering from the opposite edge of said stock. The gage can be raised or lowered as occasion requires, and may be removed from the stock when the blade requires sharpening.

The body of the stock is curved more or less according to the degree of concavity desired for the heel, and may be regulated by having various sizes of shaves.

The effect of the foregoing construction is that the blade in operation is brought across the heel obliquely, instead of square across, as heretofore, thus enabling the operator to cut the leather more easily and make smoother work than with the common shave, and avoiding altogether what is known as "rippling" or "jumping."

What I claim as my invention, is—

1. The heel-shave stock A, having handles A' A' set at equal but opposite angles, substantially as shown, and for the purpose described.

2. A heel-shave stock, A, arranged obliquely with reference to its handles A' A', substantially as shown, and for the purpose described.

3. In a heel-shave the combination of a curved oblique blade, B, with the stock A and handles A' A', substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand this third day of May, 1875.

NATHANIEL A. SWETT.

Witnesses:

CHAS. B. WOODMAN,  
ALFRED SWEETSER.