

M. A. TYLER.  
Heel-Shaves.

No. 157,110.

Patented Nov. 24, 1874.

Fig 1.

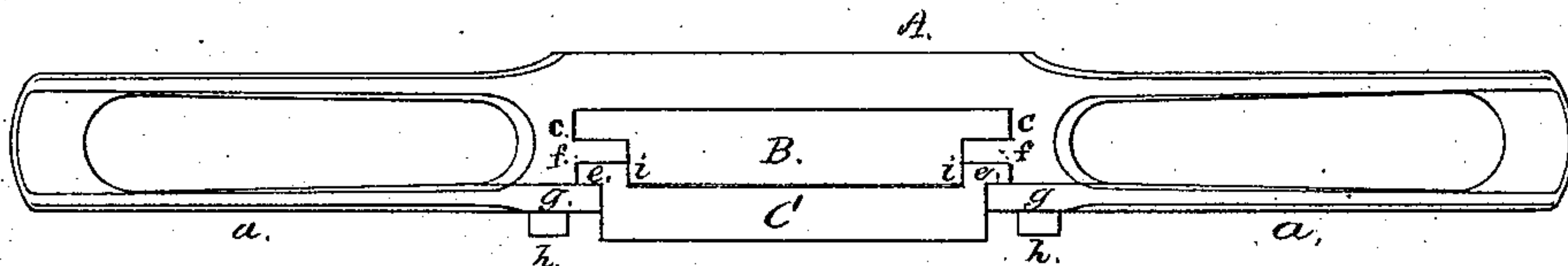


Fig 2.

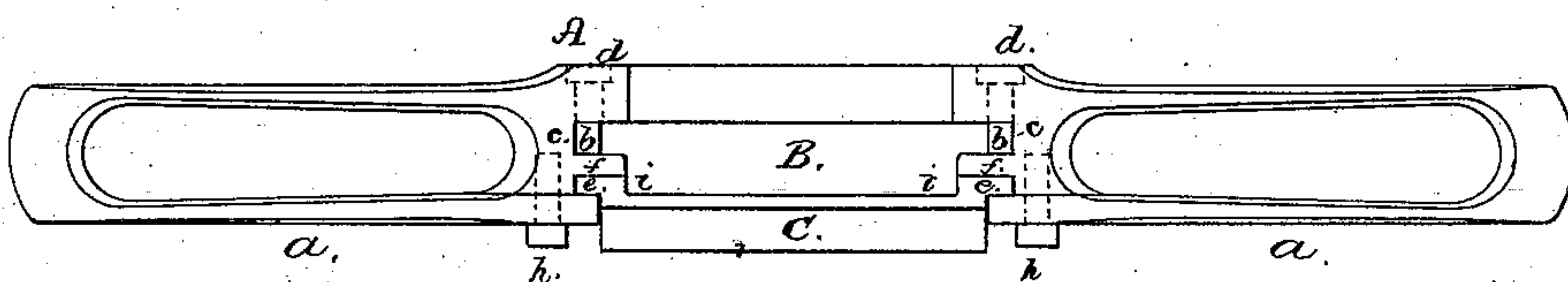
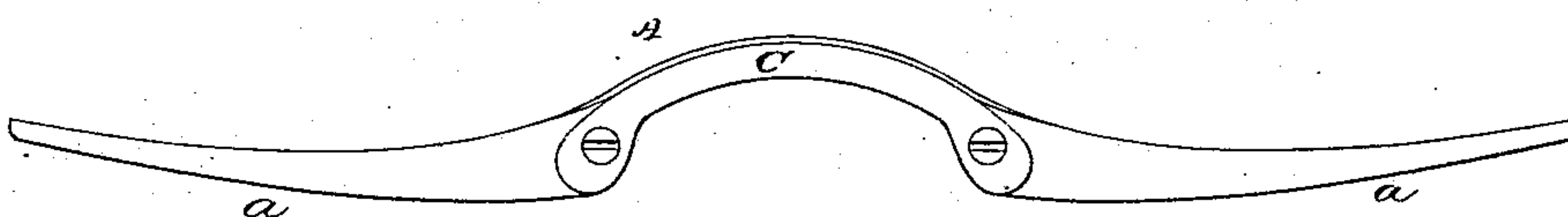


Fig. 3.



Witnesses:  
Geo Gray  
J. C. Hale

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By his atty.  
J. P. Hale

# UNITED STATES PATENT OFFICE.

MERRILL A. TYLER, OF NEW DURHAM, NEW HAMPSHIRE, ASSIGNOR TO  
FRANKLIN W. COBURN, OF SAME PLACE.

## IMPROVEMENT IN HEEL-SHAVES.

Specification forming part of Letters Patent No. **157,110**, dated November 24, 1874; application filed  
October 14, 1874.

*To all whom it may concern:*

Be it known that I, MERRILL A. TYLER, of New Durham, in the county of Strafford and State of New Hampshire, have invented certain new and useful Improvements in Heel-Shaves; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains 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.

In the said drawing, Figures 1 and 2 are front and rear elevations of a heel-shave constructed in accordance with my invention, and Fig. 3 is a top view thereof.

My invention has reference to that class of devices used by shoemakers in trimming the edges of boots and shoes, and termed in commercial parlance "heel-shaves."

Heretofore, as far as my knowledge extends, shaves for trimming the edges of boots and shoes in which the guard was made removable to enable the knife to be ground without separating it from the stock, have had their cutting-edge arranged in the same plane with their abutments, or those parts of the stock on which the guard rested. Under such circumstances it has been found that in grinding the knife the middle portion of the edge soon becomes hollowed out, while the extremities thereof remain in their normal condition or but slightly reduced. This is owing to the difficulty of bringing such end portions to bear upon the stone while the knife is being ground or sharpened. These projecting corners of the knife are not only objectionable, as they are liable to gouge or cut the upper, especially if the knife is much worn, but the knife soon becomes so hollowed out as to be unfit for use.

To remedy these evils, and produce a shave whose knife can be readily ground its entire length, and its edge maintained in parallelism with the face of the guard until the knife becomes worn out, is the object of my invention, which consists in the peculiar construction and application of the guard, as hereinafter more particularly referred to and claimed.

In the said drawing, A denotes the stock, provided with two handles, *a a*, in the ordi-

nary manner. B is the knife or cutter, which has two starts or tangs, *b b*, disposed at right angles to its body portion, the said starts extending through slots *c c* made in the stock, and being confined therein by means of set or clamp screws *d d*, (shown in Fig. 2,) which bear against the upper faces of the tangs, such allowing the knife to be moved either toward or away from the guard, and maintaining it in any desired position. C is the guard, which is formed at each of its extremities with a laterally-projecting flange, *e*, which extends through the stock, and is clamped between the shoulders *f f* of the stock and the spring ends *g g* of the handle by means of screws *h h'*, passing, respectively, through such ends into the stock, such arrangements enabling the guard to be moved either toward or away from the knife in order to regulate the thickness of the shaving. Furthermore, this guard has made in its upper part a depressed chamber or space, *i*, having a depth sufficient to receive the cutting-edge of the knife, or such part thereof as would, when worn away, render the knife unfit for use.

By this construction, by simply removing the guard the edge of the knife can be ground its entire length, and the edge thereof preserved in parallelism with the guard until worn out.

From the above it will be seen that by my peculiar construction and arrangement of the parts either the guard may be adjusted with respect to the knife or the knife with respect to the guard, as may be desirable; also, that the knife may be ground its entire length, and its normal parallelism with the guard preserved until the knife is worn out.

Having described my invention, what I claim is—

The improved heel-shave as made with the removable guard C, having the depressed chamber *i* to circumscribe the cutting-edge of the knife, in manner as shown and described, and for the purpose set forth.

In testimony that I claim the foregoing as my own invention I affix my signature in presence of two witnesses.

MERRILL A. TYLER.

Witnesses:

F. P. HALE,  
F. C. HALE.