

(No Model.)

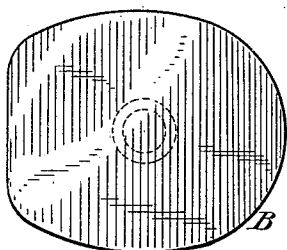
H. STOCKMAN.

LAST.

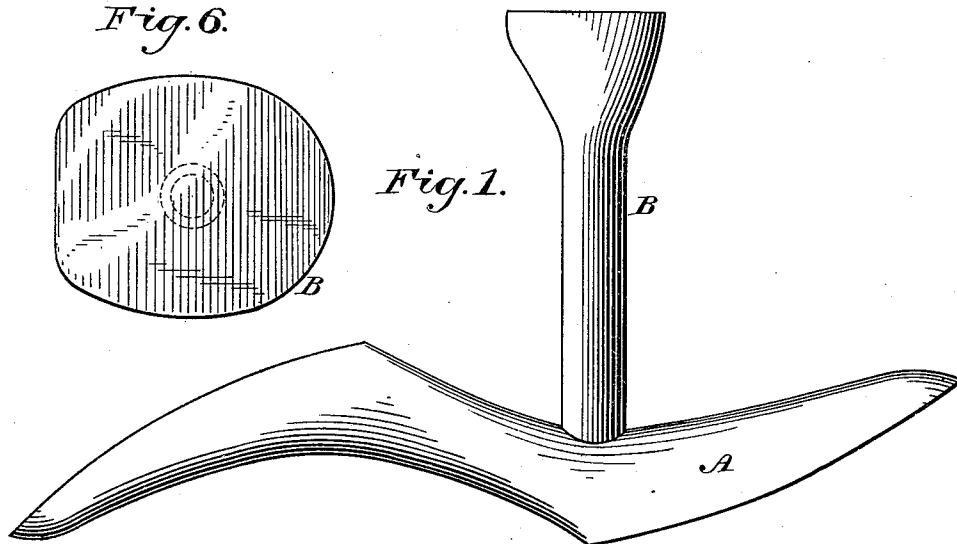
No. 329,784.

Patented Nov. 3, 1885.

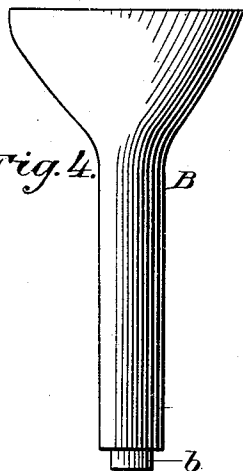
*Fig. 6.*



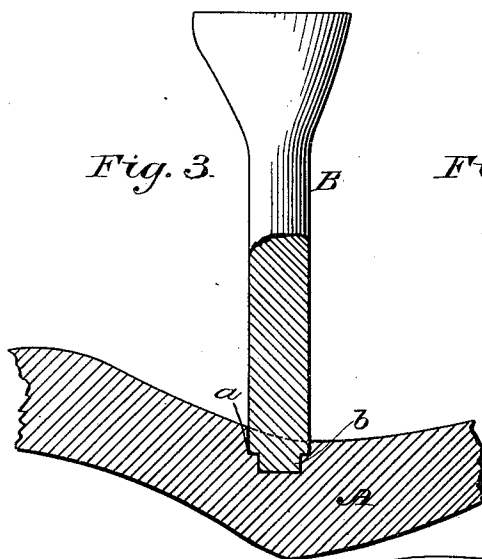
*Fig. 1.*



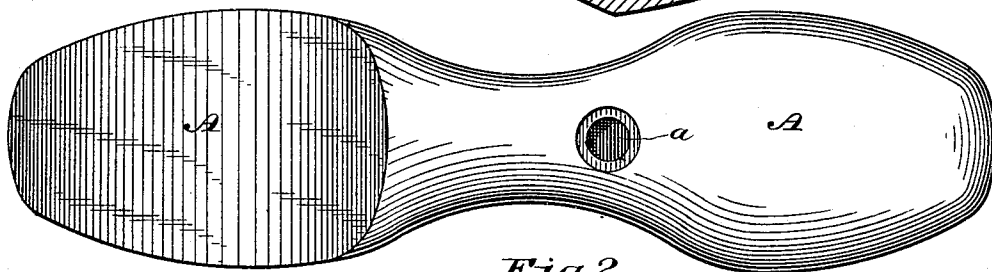
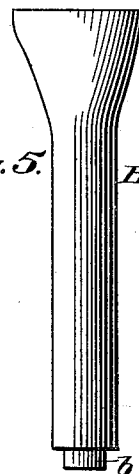
*Fig. 4.*



*Fig. 3.*



*Fig. 5.*



*Fig. 2.*

Witnesses.

*Wm. J. Panner,*  
*H. W. Elmore,*

By

*Inventor:*  
*Henry Stockman*  
*Edson Bros.,*  
*his Attorneys.*

# UNITED STATES PATENT OFFICE.

HENRY STOCKMAN, OF PHILADELPHIA, PENNSYLVANIA.

## LAST.

SPECIFICATION forming part of Letters Patent No. 329,784, dated November 3, 1885.

Application filed July 7, 1885. Serial No. 170,861. (No model.)

### *To all whom it may concern:*

Be it known that I, HENRY STOCKMAN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Lasts, of which the following is a specification, reference being had therein to the accompanying drawings.

The present invention, which forms the subject-matter of this application, relates to improvements in lasts, particularly such as are designed for "lasting" the heels of boots and shoes, whereby provision is made to readily "last" or build heels of different sizes.

The invention therefore consists of a last adapted to permit the use therewith of heel-posts of various sizes, substantially as herein-after more fully set forth and claimed.

In the accompanying drawings, Figure 1 is a side view of a last embodying my improvements. Fig. 2 is a plan view with the heel-post detached. Fig. 3 is a detached view, partly in section. Figs. 4 and 5 are views of the heel-post, showing different sizes thereof; and Fig. 6 is a top plan view of the heel-post shown in Fig. 4.

In the embodiment of my invention I adopt the iron or metal last A, which may be of the double-pattern form, as shown, or of single-pattern form, to permit of the use or connection therewith of heel-lasting posts of various sizes, only one, B, however, being shown, the normally upper or outer end of which is of the desired form or construction to enable it to readily fit into the boot or shoe at the heel end, to serve as a firm support for the same in building or lasting, as usual, the heel. In order to effect this adaptation of the last, I make a socket, *a*, in opposite sides thereof when the double-pattern form is used, or upon one side only in single forms. In the center of the socket *a* is a small cavity, which socket bodily receives the lower end of the heel-lasting post B, while the small cavity receives a corresponding tenon, *b*, on the said end of post, thus detachably or separably connecting the

post to the last-body A, which will permit its ready replacement by another post with a different-sized (larger or smaller) heel-last pattern, according to the size of the shoe or boot heel to be lasted or built.

Instead of the above form of connection between the post and the last, the former may itself be screwed directly into the socket of the latter, or upon the lower end of the post may be secured a screw-threaded bolt, which latter may be passed through the last and secured by a nut or by a pin passed transversely through an aperture in said bolt at its projecting lower end.

It will be understood that I do not restrict myself as to the details of construction of the parts, the feature of my invention being, generically, the combined separable heel-lasting post and last, to permit of the use of posts of various sizes, according to the size of the boot or shoe heel to be lasted and the more ready handy use of last while soling.

It will be understood that the detachable heel-post can be used with a single as well as a double pattern of last. My combination of separable heel posts and lasts also permits of either one common-sized heel-post with several sizes of lasts, or vice versa.

In practice the double last, which supports the heel device, rests upon the knees of the operator.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A boot or shoe last having a socket, in combination with a post provided with a tenon on one end adapted to fit the socket, and at the other end with an enlarged portion, substantially the form of a heel, and designed, when inserted in the socket, to be used as a support for the heel of a shoe, as set forth.

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

HENRY STOCKMAN.

Witnesses:

JOHN CALDWELL,  
ROBERT BAIRD.