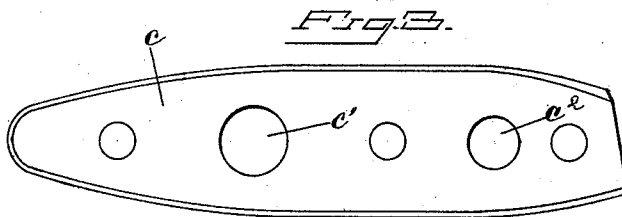
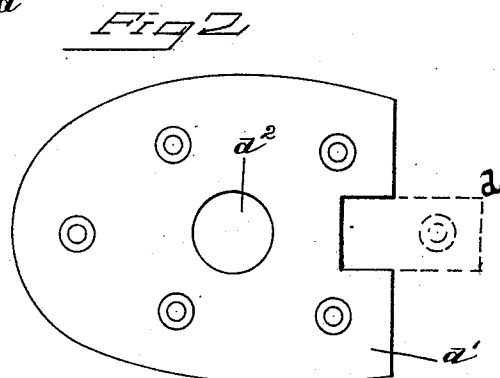
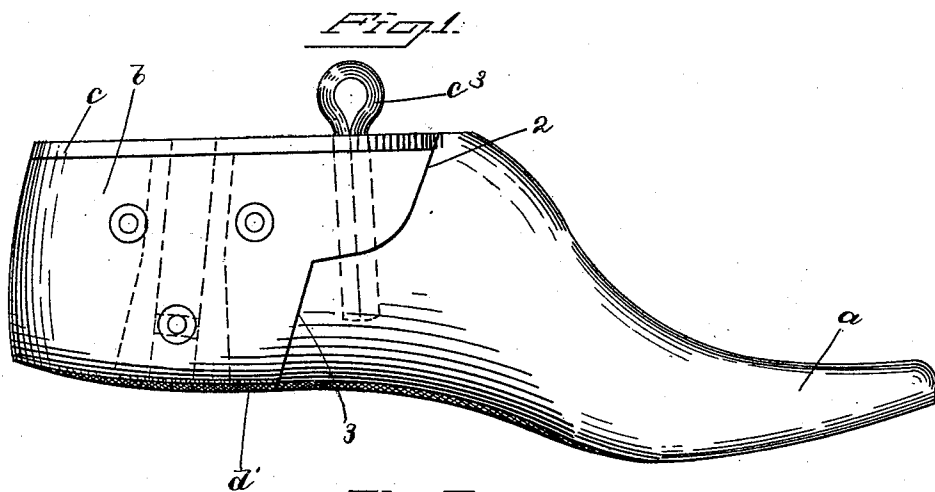


(No Model.)

G. H. CLARK.
LAST.

No. 498,238.

Patented May 30, 1893.



WITNESSES
Frederick W. Cole.
Charles D. Crocker.

INVENTOR
George H. Clark.
by R. J. Hayes,
Atty.

UNITED STATES PATENT OFFICE.

GEORGE H. CLARK, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE CLARK MANUFACTURING COMPANY, OF SAME PLACE.

LAST.

SPECIFICATION forming part of Letters Patent No. 498,238, dated May 30, 1893.

Application filed January 11, 1893. Serial No. 458,058. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. CLARK, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Lasts, of which the following description, in connection with the accompanying drawings, is a specification, like letters and figures on the drawings representing like parts.

In another application for Letters Patent, Serial No. 454,035, filed December 5, 1892, I have shown and described a last for boots and shoes divided transversely into two parts, the line of severance beginning at or about the middle of the instep portion and terminating at or about the middle of the shank portion, thereby extending diagonally toward the heel. This line of severance was shown as curved from top to bottom, being somewhat expensive and difficult to cut.

This invention has for its object to improve the construction of the last therein shown in this particular; and the invention consists in certain details of construction to be hereinafter pointed out.

Figure 1, shows in side elevation a last embodying this invention; Fig. 2, a detail showing the heel plate; Fig. 3, a detail showing the top plate of the rear part of the last.

The last is divided transversely by a line of severance 2, beginning at or about the middle of the instep portion, and curving rearwardly terminating about the middle of the last, and another line of severance 3, beginning at or about the middle of the shank portion, and extending in a direct line toward and meeting the curved line of severance 2. A fore part *a*, and rear part *b* are thereby formed, the latter having a projection or shoulder at its front end which fits into the recess in the fore part or overlaps the shank portion thereof.

By making the line of severance which transversely divides the last into two parts in this manner it may be more economically and perfectly formed, and is even better adapted to accomplish the desired ends than if made as shown in the aforesaid application, because the projection or shoulder formed on the front end of the rear part has substantially a flat bottom.

The rear part *b* may have secured to its top face a metallic plate *c*, see Figs. 1 and 3, ex-

tending its entire length, and covering its entire surface, to thereby increase the durability. The plate *c* has a hole *c'* through it which receives the usual pin of a jack, and has also a hole *c²* through it which registers with a hole bored through the projection or shoulder on the front end of the rear part and into the fore part, the split pin *c³*, entering said holes and thereby securing the two parts together. A small plate *d* is secured to the under side of the fore part projecting rearwardly and entering the recess formed in the heel piece *d'*, made to receive it. The plate *d* engaging the heel plate or piece *d'* effectually prevents the separate parts of the last from turning one with relation to the other while in use. The bushing *e* is held in position by the metallic plate *c* bearing against its upper end, and the heel plate *d'*, bearing against its lower end, and also by a pin or rivet passing transversely through the heel portion and sleeve or bushing, or it may be otherwise held in place.

It will be seen that by making the bushing tapering, thereby materially increasing its diameter toward its lower end the liability of splitting the heel portion or rear part of the block is lessened. The bushing or sleeve may be made tapering for its entire length, or for a short distance only, at its lower end, the object being to increase the diameter of said part at its lower end to provide a greater bearing surface, and thereby decrease the liability of splitting the heel portion.

I do not desire to limit my invention to any particular way of holding the pin-receiving bushing or sleeve in place, nor do I desire to limit my invention to extending said bushing or sleeve entirely through the heel piece or rear part.

A plug *e²* of wood is driven into the lower end of the pin-receiving bushing or sleeve, bearing against the pin or rivet, said plug being especially adapted to receive the usual tack or nail employed for securing the inner sole to the last. This wooden plug *e²*, is placed directly above the usual hole *d²*, in the heel plate *d'*, and said plug is herein shown as made larger in diameter than the hole *d²*, so that the heel plate acts to hold said plug in position.

Instead of extending the hole entirely through the bushing or sleeve, receiving at its upper end the pin, and at its lower end the plug, separate sockets may be provided.

5 It is obvious that the different features of novelty herein shown and described may be used separately if desired.

I do not herein claim the specific construction of bushing which receives the jack pin, or the particular means for supporting it, as such features form the subject matter of another application, Serial No. 470,817.

I claim—

15 A last, divided transversely by the curved line of severance 2, extending from at or about the middle of the instep portion toward the shank, and the direct line of severance 3, extending from at or about the middle of the

shank to and meeting the curved line 3, thereby presenting a rear part with a projection or shoulder upon its front end which enters the recess in the fore part above its shank portion, a vertical hole through the said projection, and a socket in the fore part coincident therewith, the detachable locking pin *c*³, and a socket in said rear part for the pin of a jack, a projection at the lower end of the abutting face of the fore part, and a recess therefor in the rear part, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE H. CLARK.

Witnesses:

BERNICE J. NOYES,

F. C. NOYES.