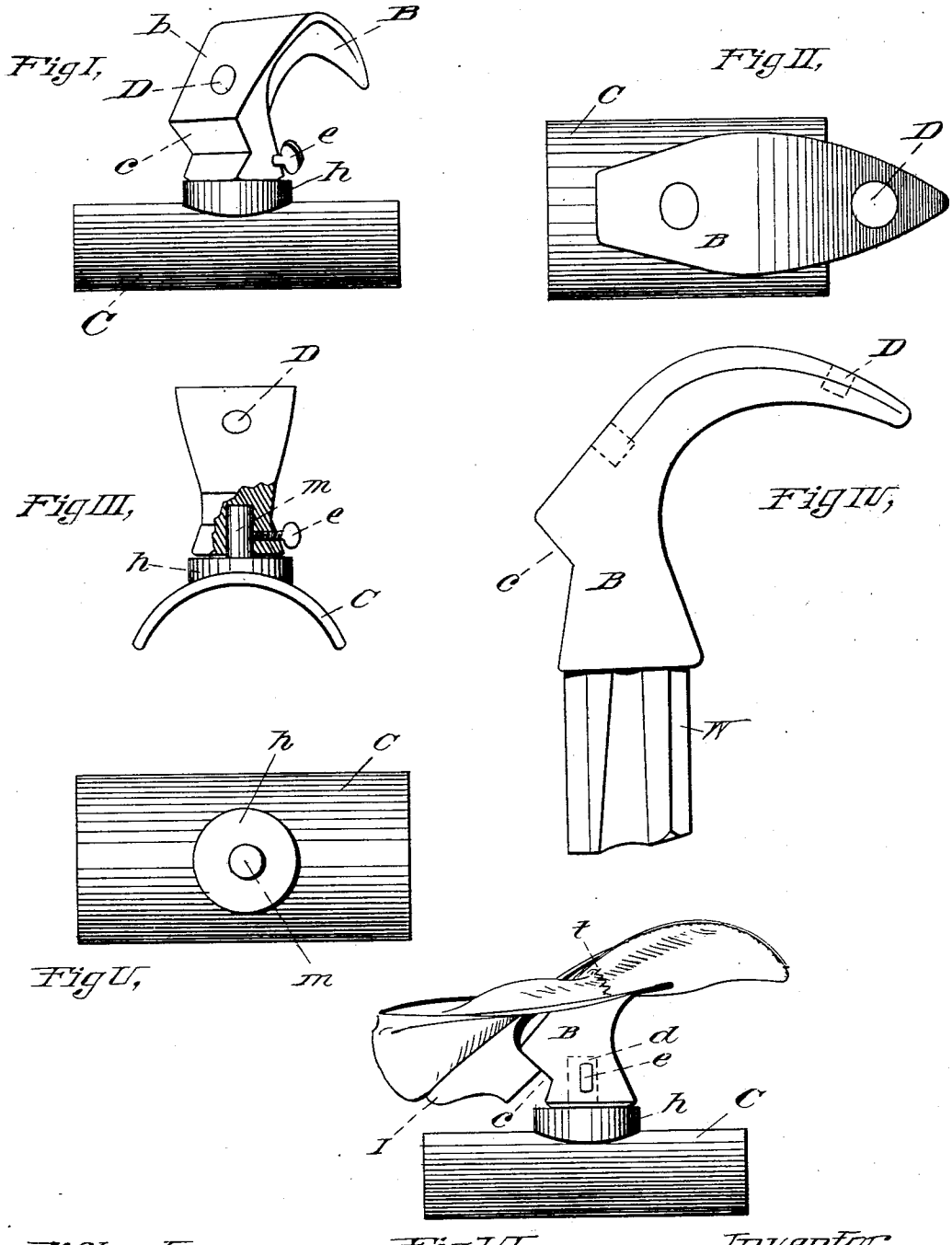
(No Model.)

T. THERRIEN.

SHOEMAKER'S LAST.

No. 590,349. Patented Sept. 21, 1897.



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SHOEMAKER'S LAST.

SPECIFICATION forming part of Letters Patent No. 590,349, dated September 21, 1897.

Application filed January 4, 1897. Serial No. 617,926. (No model.)

To all whom it may concern:

Be it known that I, TELESPHOR THERRIEN, a citizen of the United States, residing at Holyoke, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Shoemakers' Lasts, of which the following is a specification, reference being had therein to the accompanying drawings.

My improvements relate to shoemakers' lasts for repairing shoes upon, especially that class known as "pumps" and "slippers," capable of being turned wrong side out, to be combined in that condition with a last, and to a lap with which a last is adapted to be combined to enable it to be used to the greatest advantage; and the invention consists in the combination and arrangement as hereinafter described and more fully pointed out in the claims.

My invention is fully illustrated in the accompanying drawings, in which—

Figure I is an elevation in perspective of the last and lap combined. Fig. II is a top plan view of the same. Fig. III is an end elevation of the same in partial section. Fig. IV is a side elevation of the last modified to adapt it to be used with a jack. Fig. V is a top plan view of the lap alone, and Fig. VI is a side elevation of my device with a turned shoe combined with the last.

Heretofore to combine a turned shoe with a last to repair said shoe, owing to the configuration of the lasts in use, it has been necessary to remove the heel and often also to soak the shoe, so that it could be entirely reversed to fit over the last; but by my construction of last in the form of a segment with the lasting-surface extending from a point where the inner edge of the heel of an ordinary last commences, thus leaving off the heel, to the toe of the last and in a curve, as shown, and forming at the base of my lasting-surface a jog to receive a heel in place of the heel-lasting surface of the common last, I am able to combine a shoe only partially turned with my last, the jog providing a place for the heel and the lasting-surface of the segment conforming to the curve of the sole of a shoe thus partially reversed, the edge of the uppers causing the curve in the sole of the shoe when thus partially reversed, forming approximately the chord of the arc of the segment, as shown in Fig. VI, so that to combine a pump or slipper with my last it is only necessary to turn the toe wrong side out, slide it over the last to bring the heel in the jog, and attach the sole by tacks to the lasting-surface, the segment exactly fitting the sole and inner side of the heel of the shoe.

In the drawings, B is a metal segment of a last, comprising a lasting-surface *b*, a jog *c* at the base thereof, a shank provided with a socket *d* extending up into it, and threaded clamp-screw *e* at right angles thereto and extended from the outside of the shank; and C is a lap, of metal, comprising a segment of a cylinder, a post *h*, centrally arranged upon the outside of the segment and provided with a bearing-face corresponding to the end of the last-shank, and a dowel-pin *m* from the center of the post and at right angles to its bearing-face and corresponding with the socket *d* of the shank. The surface *b* of the segment is, as shown more particularly in Figs. I and IV, of a generally oval configuration in profile, being a straight or nearly straight line from the jog *c*, curved near the middle of the sole, and then depressed in a curve to the toe, conforming thus in curvature to the sole of a shoe partially turned, as shown in Fig. VI. From the toe upon the under side of the segment the metal is given the configuration of the inside of the shoe. The lasting-surface *b* is provided, as is common, with one or more wooden plugs D, let into it to hold lasting-tacks.

The jog *c* at the base of the lasting-surface *b* of the segment and replacing a portion of the lasting-surface of the ordinary last supplies a wall at approximately right angles to the lasting-surface and having a depth equal to a shoe-heel.

From the base of jog *c* the stock is extended to the perimeter of the shank, as shown, to supply a sufficiently broad bearing-surface to the bottom of the shank and under its center of gravity.

The shank, as more particulaly shown in Fig. III, has a flat bottom surface in which, centrally located, is the socket *d* for receiving the dowel-pin *m* when the segment is com-

bined with a lap, but when the segment is to be combined with a jack it is provided with an extension to its shank, as W in Fig. IV, adapted to fit in a corresponding socket in the jack.

The lap C, with which the segment B is shown adjustably combined, is a metal segment of a cylinder of a diameter adapting it to conform to and rest upon one leg of the operator above the knee when in a sitting position.

The segment, of approximately six inches long by four inches diameter and of three-eighths of an inch in thickness, affords a broad support that prevents the weight from being oppressive and supplies, with the segmental last B, a weight which absorbs the blows of a hammer upon the last, and the swivel-joint supplied by the socket in the last and dowel-pin upon the lap enables the last to be rotated and secured at any angle to the lap by the clamp-screw, so that the last can be turned entirely around as the work demands it without moving the supporting-lap.

Without a departure from the spirit of my invention the positions of the socket and clamp-screw in one member and dowel-pin in the other may be reversed to bring the socket and clamp-screw in the post *h* of the lap and the dowel-pin *m* upon the shank of the last.

Now, having described my invention, what I claim is—

1. The within-described repairing-last for partially-turned shoes, comprising a curved segmental lasting-surface of the extent of and conforming to the sole of a shoe from the heel forward, a wall-surface joined to the base of the lasting-surface at approximately right angles thereto and forming a jog adapted to receive a shoe-heel below the lasting-surface, and a shank integral with the last and adapted to be combined with a jack or other supporting-base to hold the lasting-surface upright.

2. The last for repairing partially-turned shoes, comprising a curved segmental lasting-surface supplying a bearing for a shoe-sole, only from the heel forward, a wall at the rear end or base of the lasting-surface, depressed therefrom to receive the inner side of a shoe-heel, a shank provided with a socket in a faced end, and clamp-screw communicating therewith through the shank, and a metal lap a segment of a cylinder provided with a post centrally arranged upon its top faced to the bottom of the shank, and provided with a dowel-pin for entering the shank and with the clamp-screw, forming a swivel-joint, as and for the purpose set forth.

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

TELESPHOR THERRIEN.

Witnesses:
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