

(No Model.)

G. W. HUTCHINS.  
Lasting Jack.

No. 243,376.

Patented June 28, 1881.

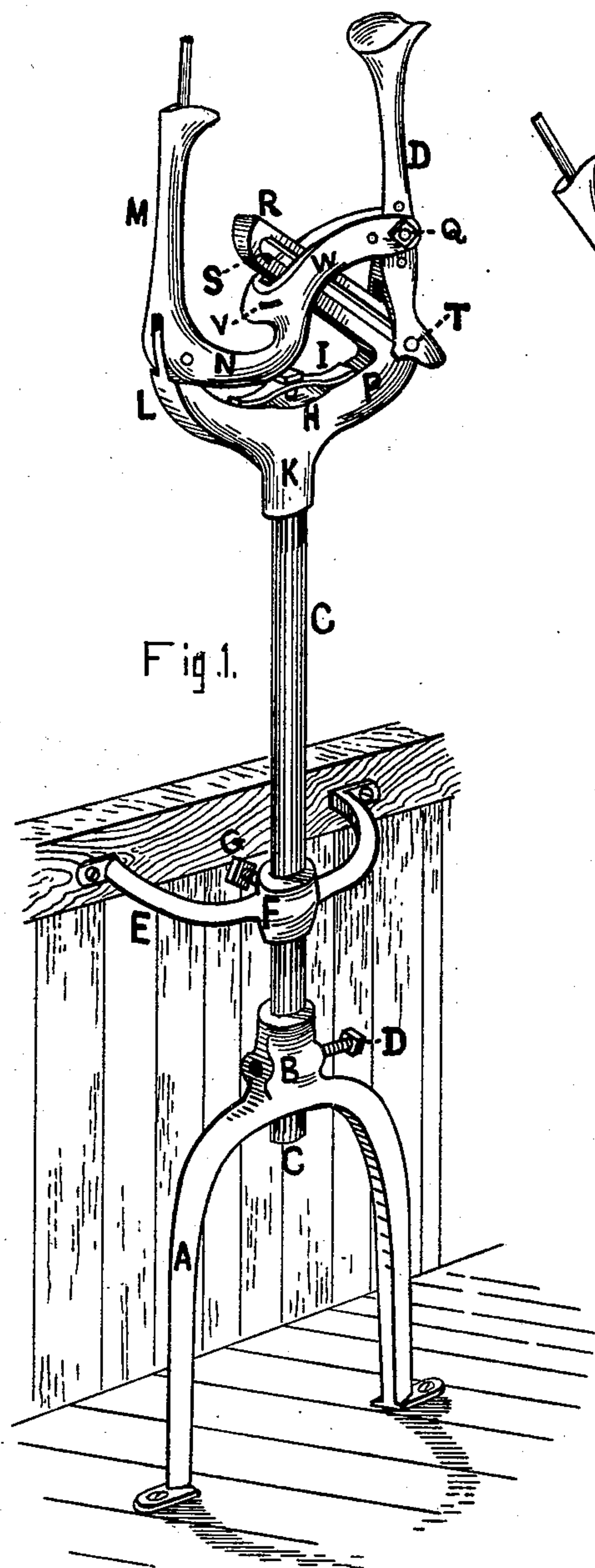


Fig. 1.

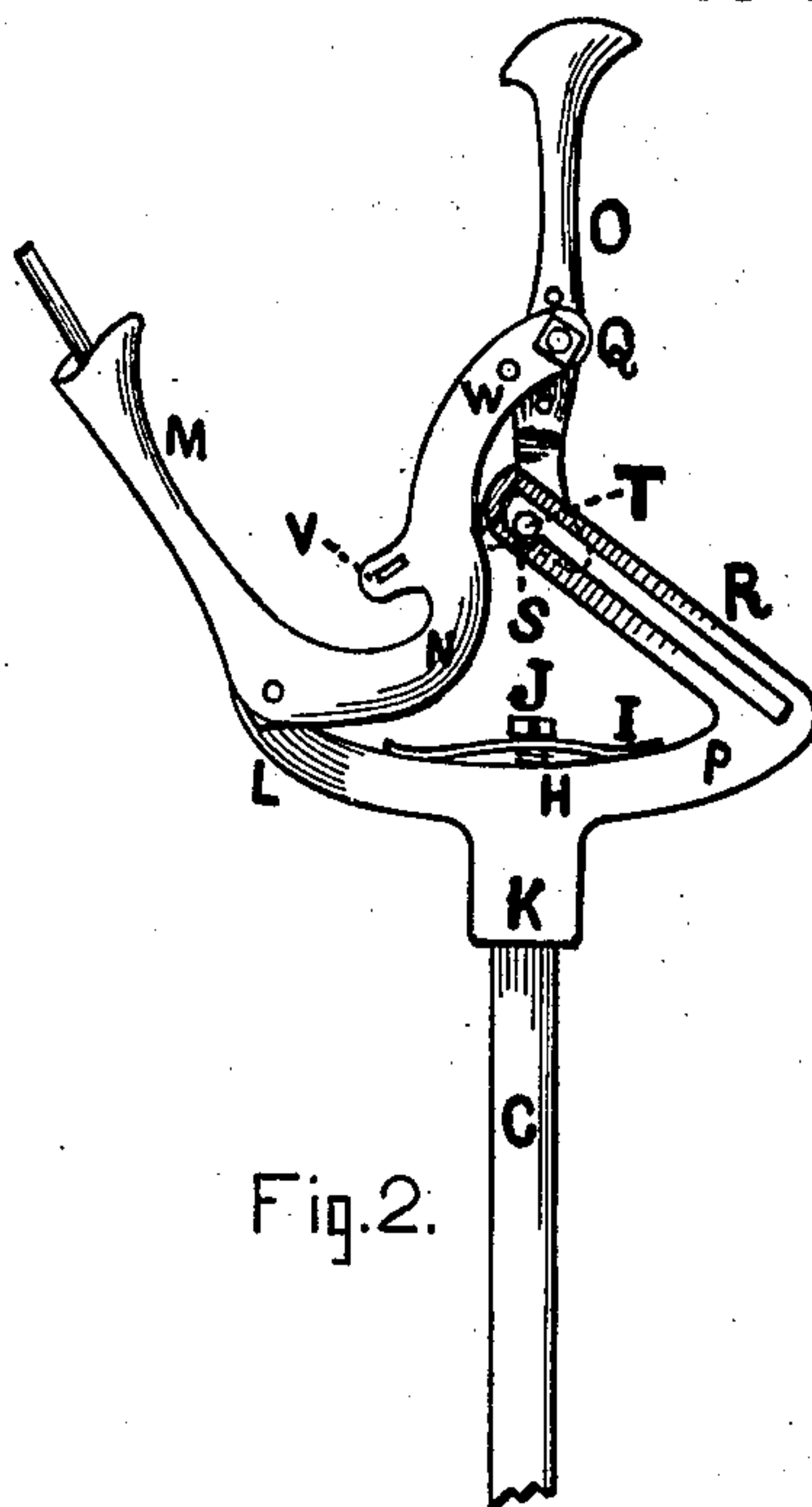


Fig. 2.

Witnesses:

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Attorney



# UNITED STATES PATENT OFFICE.

GEORGE W. HUTCHINS, OF DOVER, ASSIGNOR TO GEORGE L. STACKPOLE,  
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## LASTING-JACK.

SPECIFICATION forming part of Letters Patent No. 243,376, dated June 28, 1881.

Application filed November 11, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. HUTCHINS, of Dover, in the county of Strafford and State of New Hampshire, have invented certain new and useful Improvements in Self-Adjusting Lasting-Jacks, of which the following is a specification.

The objects of my invention are to provide a lasting-jack with self-adjusting mechanism which shall tend to hold or confine the last, with the boot or shoe being lasted, more rigidly as the same is pressed or forced downward within the jack in the act of lasting, and to allow the same to become free instantly when the downward pressure is removed. Such action greatly facilitates the operations, thereby removing the objections to lasting-jacks as heretofore constructed, wherein springs or weights were employed to actuate the holding mechanism, and the force of which required to be overcome in order to release or change the position of the boot or shoe being lasted; and it consists, primarily, in the construction of an incline slot or bearing-surface upon which the lower end of the pivoted standard of the toe-support rests or has a bearing when the jack is in use; and it further consists in the details of construction hereinafter more fully described and set forth.

Figure 1 represents a perspective view of a lasting-jack constructed according to my invention. Fig. 2 represents an elevation of the same.

A represents the leg-supports and feet of the lasting-jack, adapted to be screwed to the floor, and are provided at their intersection or upper portion with a vertical socket, B, into which is fitted the vertical adjustable standard C, the lower end of which is held at the desired position in said socket by a set-screw, D, while the standard is permanently secured in an upright position by means of a bracket, E, secured to the edge of the bench and provided with a socket, F, through which the standard C passes, and is held therein by means of a set-screw, G. To the upper end of the said standard C is pivoted the socket K of the curved base-support H of the lasting-jack proper. This base-support H is held from turning or swiveling too

freely by means of a friction-spring, I, and set-screw J, passing through the said base-support and entering the upper end of the standard C, as shown. This base-support H is provided with an upward-curved arm, L, to the upper end of which is pivoted the vertical heel-standard M, this heel-standard being formed with a peculiarly-curved arm, N, extending from its base or connection with the support H in an upward and outward direction, its outward-curved portion W being slotted vertically from its end inwardly, as shown in Fig. 1. To the outward-curved end of this slotted arm N is pivoted the toe-support standard O, which is adjusted therein by means of a series of holes to receive the pivot-bolt Q, so as to adapt the capacity of the jack to the various sizes of lasts in use. The base-support H is provided opposite its arm L with an outward and upward curved arm, P, which is formed with an abrupt turn inward, forming an elbow, from which extends an upward incline horizontally-slotted arm, R, at the upper end of which slot is formed a notch, S, in the lower portion of the arm R, so as to receive the pin or bolt T, which passes through the bifurcated lower end of the toe-support standard O and through the horizontal slot formed in the said incline arm R so as to hold the jack in an open position temporarily, as shown in Fig. 2.

It will be obvious that the horizontal incline slot in the said arm R may be dispensed with by forming the incline arm R with a bearing-surface and notch S on its upper face corresponding to the slot, then providing the bifurcated lower end of the toe-support standard with the pin T and extending the lower ends of the said standard O below the said incline arm R, then by inserting a pin through them below arm R, and then, by inserting a stop-pin through the upper end of the incline arm R the same result and operation would be accomplished as by the previous described mechanical devices.

It will be understood that when the lasting-jack is in use a suitable strap, if desired, may be put or passed through the short slot or hole V formed about mid-length of the curved arm N, and passed over or around the boot or shoe



being lasted, and thence downward to near the floor, where it is held or released by the foot of the operator, as desired, and as heretofore.

The bolt or pin T rests or has a bearing upon the surface of the incline slot in arm R, so as to slide downward freely when in use, so that all pressure downward upon a boot or shoe being lasted tends to more firmly hold the same within the jack, and when freed from such pressure is instantly and entirely released.

Having thus described my invention, what I claim is—

1. The combination, with the base-support H, provided with the curved arm L, to the upper end of which is pivoted the heel-standard M, and to the opposite curved arm P is pivoted the toe-support standard O, its bifurcated lower end having the pin or bolt T of the incline slotted arm R of the base H, having at its upper end the notch S, said bolt T being adapted to operate in said incline slot and notch S, substantially as described, as and for the purposes set forth.

2. In a lasting-jack, the combination, with the pivoted heel-standard M and pivoted toe-support standard O, of the arm R, provided with the incline slot or incline bearing-surface upon which said toe-support rests, whereby the adjustment of the jack is rendered automatic, as and for the purposes set forth.

3. An automatic lasting-jack consisting of the base-support H, having curved arms L and P and incline slotted arm R, the said curved arm L having pivoted thereto the heel-standard M, provided with a curved slotted arm, N, to the end of which is pivoted the toe-support O, the bifurcated lower end of which is provided with a pin, T, which has a bearing in the incline slot of the said arm R, whereby the upper ends of the toe and heel supports are forced toward each other when in use, as and for the purposes set forth.

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Witnesses:

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