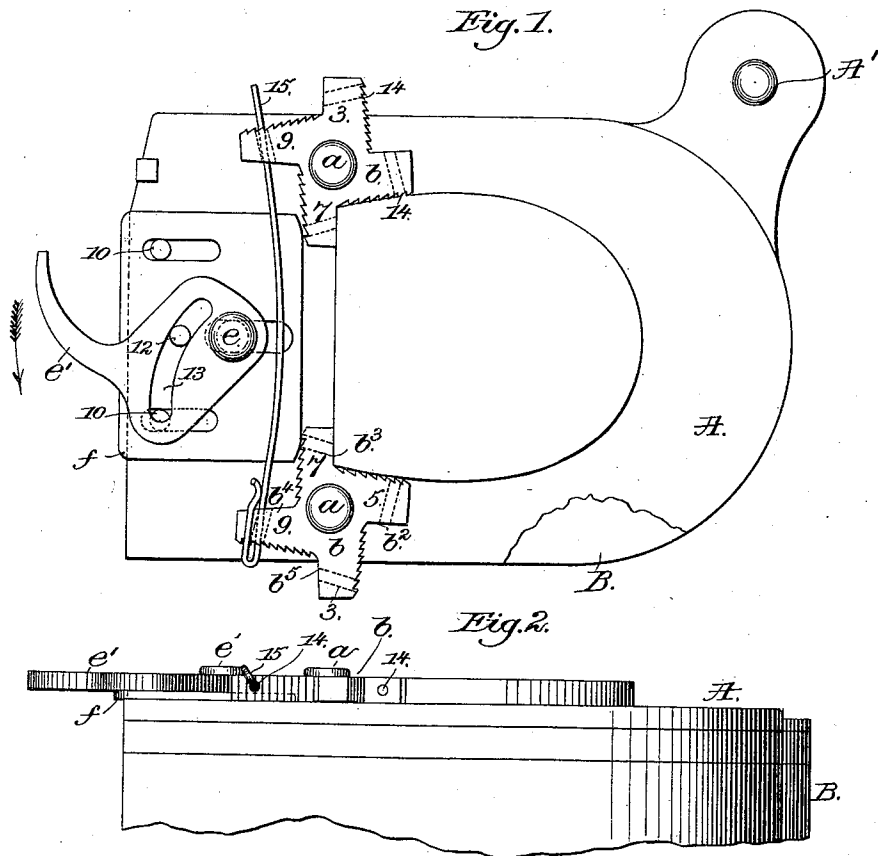


(No Model.)

E. A. TRIPP.
TOP LIFT HOLDER.

No. 406,183.

Patented July 2, 1889.



Witnesses.
John F. C. Printz
Franklin Emery.

Inventor.
Elihu A. Tripp.
by Lemby Gregory attys.

UNITED STATES PATENT OFFICE.

ELIPHALET A. TRIPP, OF NEW BEDFORD, ASSIGNOR TO JAMES W. BROOKS,
TRUSTEE, OF CAMBRIDGE, MASSACHUSETTS.

TOP-LIFT HOLDER.

SPECIFICATION forming part of Letters Patent No. 406,183, dated July 2, 1889.

Application filed March 2, 1889. Serial No. 301,773. (No model.)

To all whom it may concern:

Be it known that I, ELIPHALET A. TRIPP, of New Bedford, county of Bristol, State of Massachusetts, have invented an Improvement in
5 Top-Lift Holders, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide
10 the top-lift plate, against which rests a top lift when being blinded or applied to a heel, with a novel holding mechanism to engage the breast corners of the top lift and position the same correctly with relation to the heel.

15 The holding mechanism herein shown is represented as composed, essentially, of two pivoted dogs, and, as represented, the dogs may be rotated about a stud or pivot to thus adapt them for holding top lifts of different sizes.

20 My invention consists, essentially, in the combination, with a plate, of dogs pivoted thereon near the heel-seat end of the plate, and shouldered or shaped to engage the breast corners of the top lift, and means, substantially as described, to close the dogs upon the
25 top lift; also, in the combination, with a top-lift plate, of dogs movably mounted with relation thereto and having a series of shoulders or seats shaped to engage the breast corners of the
30 top lift, whereby by change of position of the dogs they may be adapted to engage top lifts of different sizes, and means, substantially as described, to close the dogs upon the top lift.

35 Other features of my invention will be described, and then defined in the claims at the end of this specification.

Figure 1 is a top or plan view of a top-lift plate with my improved holding mechanism applied thereto, the plate being partially
40 broken out to show the nail-box below it; and Fig. 2 is a partial side elevation of Fig. 1, the lower part of the nail-box being broken away.

The top-lift plate A is herein shown as pivoted at A' on the upper plate of the nail-box
45 B, the said plate and box being substantially as in the McKay & Bigelow heeling-machine, or substantially as in United States Patent No. 166,795. The top-lift plate has, as shown, two studs a a, on which are pivoted two dogs
50 b b, having seats, as b² b³ b⁴ b⁵, each so shaped as to occupy a position at a different distance

from the center of motion of the dog, so that by the rotation or change of position of the dog any one of its seats may be brought into operative position, so as to adapt the dogs or
55 holders to top lifts of different sizes from breast corner to breast corner.

In the drawings the dogs are numbered 3 5 7 9, thereby indicating that when the dogs are in such positions as to bring into oper-
60 ative position the seats next the said numbers certain sizes of top lifts may be used with the dogs so set—as, for instance, in the drawings the two parts numbered 7 of the dogs are in position to indicate a size be-
65 tween 5 and 7 for the top lift, but were the shoe to be a 4 or 5 then the dogs would be moved to place the projection 5 in the position now occupied by the projection 7 in Fig. 1. Near each seat a portion of the dog to come
70 against the side edges of the top lift is serrated, so as to better hold the same in place. The top-lift plate has mounted upon it a fulcrum-pin e and two studs 10, the said fulcrum-pin and studs being embraced by a slotted
75 slide f, the studs and pins acting as a guide for the slide in its movements on the plate A. The stud e has mounted loosely upon it a lever and slide-adjusting device e', shown as a lever-like plate provided with a slot 13, which
80 embraces a pin 12, extended upwardly from the slide-plate f, the movement of the lever in the direction of the arrow near it in Fig. 1 causing the plate to be moved longitudinally toward and against the dogs, so as to rotate
85 them about two pivots a sufficiently to permit the said top lift to be put in position to be nailed to the heel.

The arms of the dogs are each, as represented, provided with a hole, as 14, through
90 which is extended a spring 15, the said spring normally acting to turn the dogs in such direction as to keep them pressed against the breast corners of the top lift placed between the said dogs when they have been slightly
95 opened by the plate f.

Preferably the holes made through the dogs for the reception of the spring 15 will be made diagonally, as represented by dotted lines, that enabling the said spring to normally act
100 to close the dogs on the breast-carriers of the top lift. The top-lift-holding mechanism de-

scribed is, it will be seen, readily adapted, with but slight change, to hold top lifts of different sizes, so that the heels of shoes of certain sizes may be provided with top lifts, and then the heels of other different sizes be provided with top lifts.

I claim—

1. The combination, with a top-lift plate, of pivoted dogs having each two or more seats and holding-faces, whereby the said dogs are adapted to receive and hold the breast corners of top lifts of various sizes, and means, substantially as described, to close the dogs upon the top lift, substantially as described.

2. The combination, with the top-lift plate and pivoted dogs having each two or more seats to hold the breast corners of a top lift, of a spring to normally keep the said dogs closed upon the top lift, substantially as described.

3. The combination, with the top-lift plate and pivoted dogs having each two or more seats

to hold the breast corners of a top lift, of a spring connected therewith to normally keep the said dogs closed upon the top lift, and with a movable plate to act upon the said dogs and move them apart to receive a top lift, substantially as described.

4. The combination, with the top-lift plate and pivoted dogs having each two or more seats to hold the breast corners of a top lift, of a spring to normally keep the said dogs closed upon the top lift, and with a movable plate to act upon the said dogs and separate them for the reception of a top lift, and with a lever to move the said plate, substantially as described.

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

ELIPHALET A. TRIPP.

Witnesses:

GEO. W. GREGORY,
B. DEWAR.