

(No Model.)

S. W. WINSLOW.

DEVICE FOR BEATING OUT SHOE SOLES.

No. 258,621.

Patented May 30, 1882.

Fig. 1. *A*

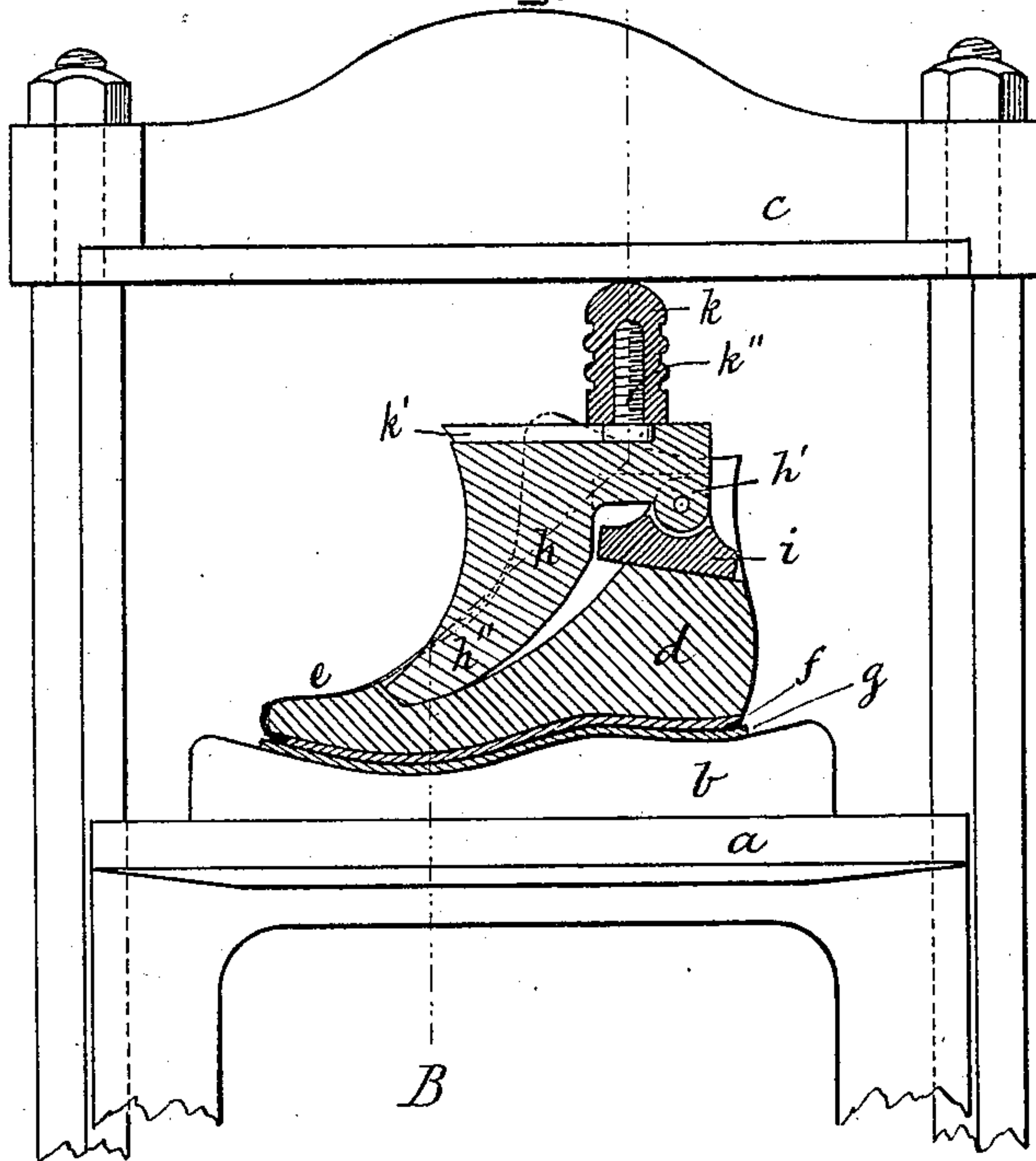
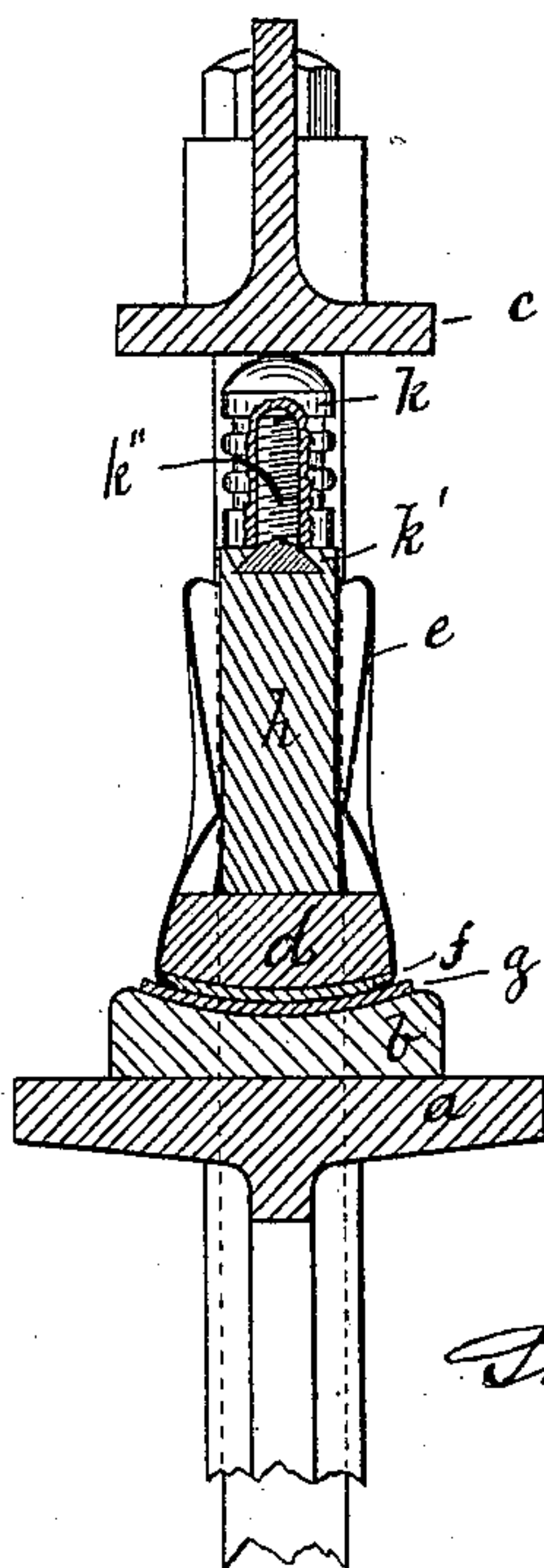


Fig. 2.



Witnesses.

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# UNITED STATES PATENT OFFICE.

SIDNEY W. WINSLOW, OF SALEM, MASSACHUSETTS.

## DEVICE FOR BEATING OUT SHOE-SOLES.

SPECIFICATION forming part of Letters Patent No. 258,621, dated May 30, 1882.

Application filed October 10, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, SIDNEY W. WINSLOW, a citizen of the United States, residing at Salem, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Devices for Beating Out Shoes; and I do hereby declare that the same are fully described in the following specification and illustrated in the accompanying drawings.

This invention relates to an improved device for beating out shoes; and it is carried out as follows, reference being had to the accompanying drawings, in which—

Figure 1 represents a sectional side elevation of the device as applied to a beating-out machine, and Fig. 2 represents a cross-section on the line A B shown in Fig. 1.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

*a* represents the bed of an ordinary beating-out machine. *b* is its shoe-sole former, and *c* is its vertically-movable head, as usual. *d* is an ordinary wooden last, the last-block shown as being removed. *e* is the upper of the shoe. *f* is the insole, and *g* is the outer sole, as usual.

In beating out shoes it is very desirable to have the intermediate pressure-block resting on the top of the last so arranged and constructed that it will receive a proper and firm resting-place on the toe part as well as the heel part of the last, and that it shall be provided with means for laterally changing the point upon which the pressure is exerted, so as to locate the pressure centrally on the last or toward the toe or heel, as may be desired, according to where the greatest pressure is to be conveyed, or according to changes in the various sizes or shapes of the lasts that are used. For these purposes I make the intermediate pressure-block *h* with an ear, *h'*, in its rear or heel end, to which is hinged the adjustable heel-piece *i* by means of the hinge-pin *i'*, as shown in Fig. 1. By this means I am enabled to obtain a true and firm bearing of the pressure-

block on the upper heel part of the last, no matter of what shape, size, or inclination such upper heel-surface should be made, and by means of such hinged heel-piece *i* the pressure-block *h* is automatically adjusted in regard to the surface of the rear upper part of the last on which the shoe is held.

The toe part *h''* of the block *h* may be made to rest directly on the last *d*, (the last-block being removed, as shown in Fig. 1,) or upon the upper of the shoe when the last-block is attached to the last, as may be desired for various kinds of works, without departing from the spirit of my invention.

In the upper part of the block *h* is a dovetailed groove, *k'*, in which the head of the screw *k''* is laterally adjustable. Around the screw *k''* is fitted the internally screw-threaded nut *k*, which latter may be moved to the right or left, as may be desired, and secured, after being adjusted, to the block *h* by tightening said nut *k* against the upper side of the block *h*, and in this manner and by this means the point of pressure on the block *h* may be adjusted, as may be desired, centrally on the last or a little to the heel or toe, as may be required.

What I desire to secure by Letters Patent, and claim, is—

1. In a beating-out machine, the pressure-block *h*, in combination with the adjustable swivel heel-piece *i* and last *d*, as and for the purpose set forth.

2. In a beating-out machine, the pressure-block *h*, in combination with the laterally-adjustable screw and nut *k k''* and last *d*, as and for the purpose set forth.

3. In a beating-out machine, the last *d*, the pressure-block *h*, with its swivel heel-piece *i*, and laterally-adjustable screw and nut *k k''*, as and for the purpose set forth.

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

SIDNEY W. WINSLOW.

Witnesses:

ALBAN ANDRÉN,  
E. J. TORREY.