

(No Model.)

W. C. HOAR.
BOOT OR SHOE SOLE STAMP.

No. 277,727.

Patented May 15, 1883.

fig 1

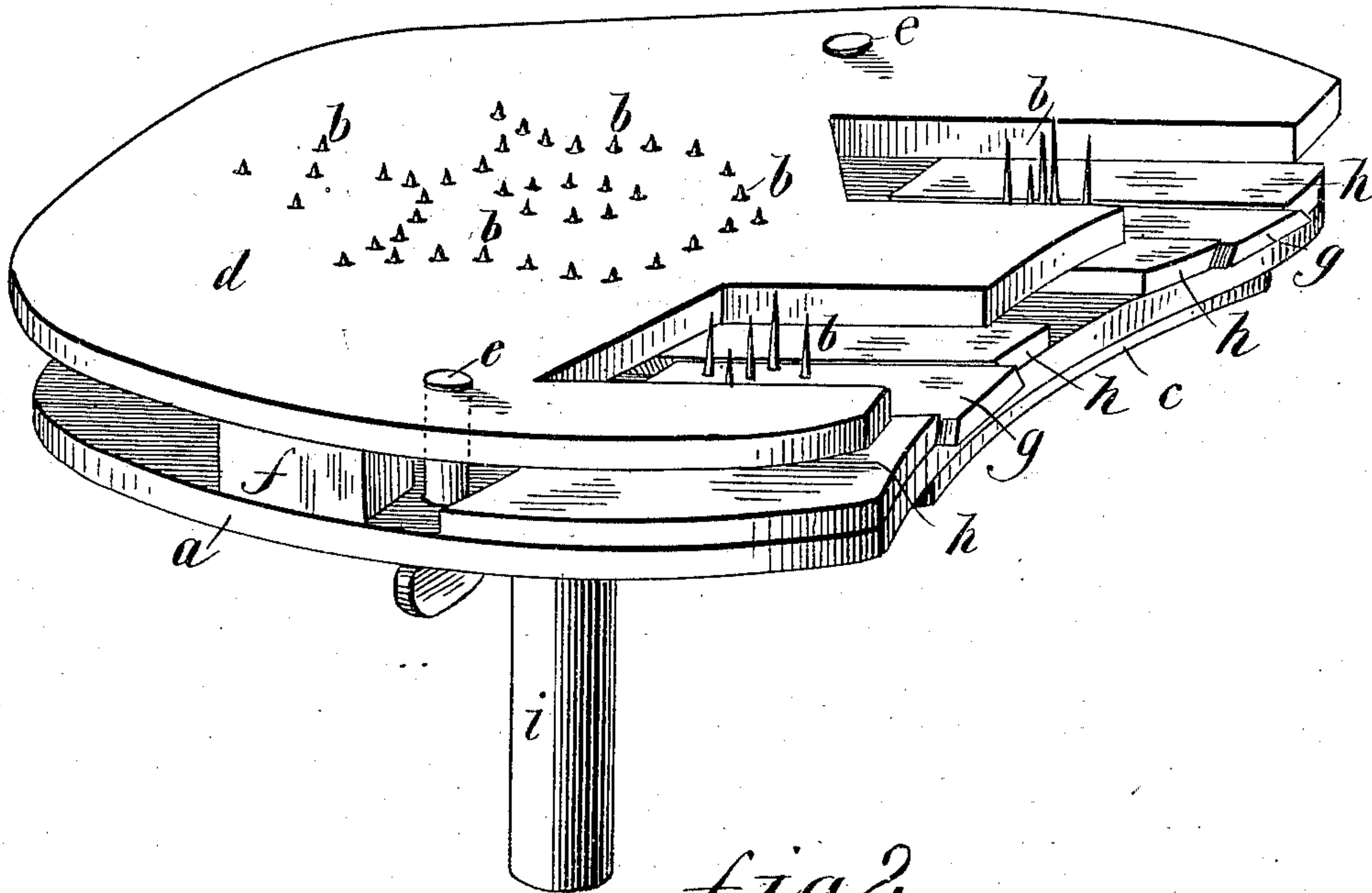


fig 2

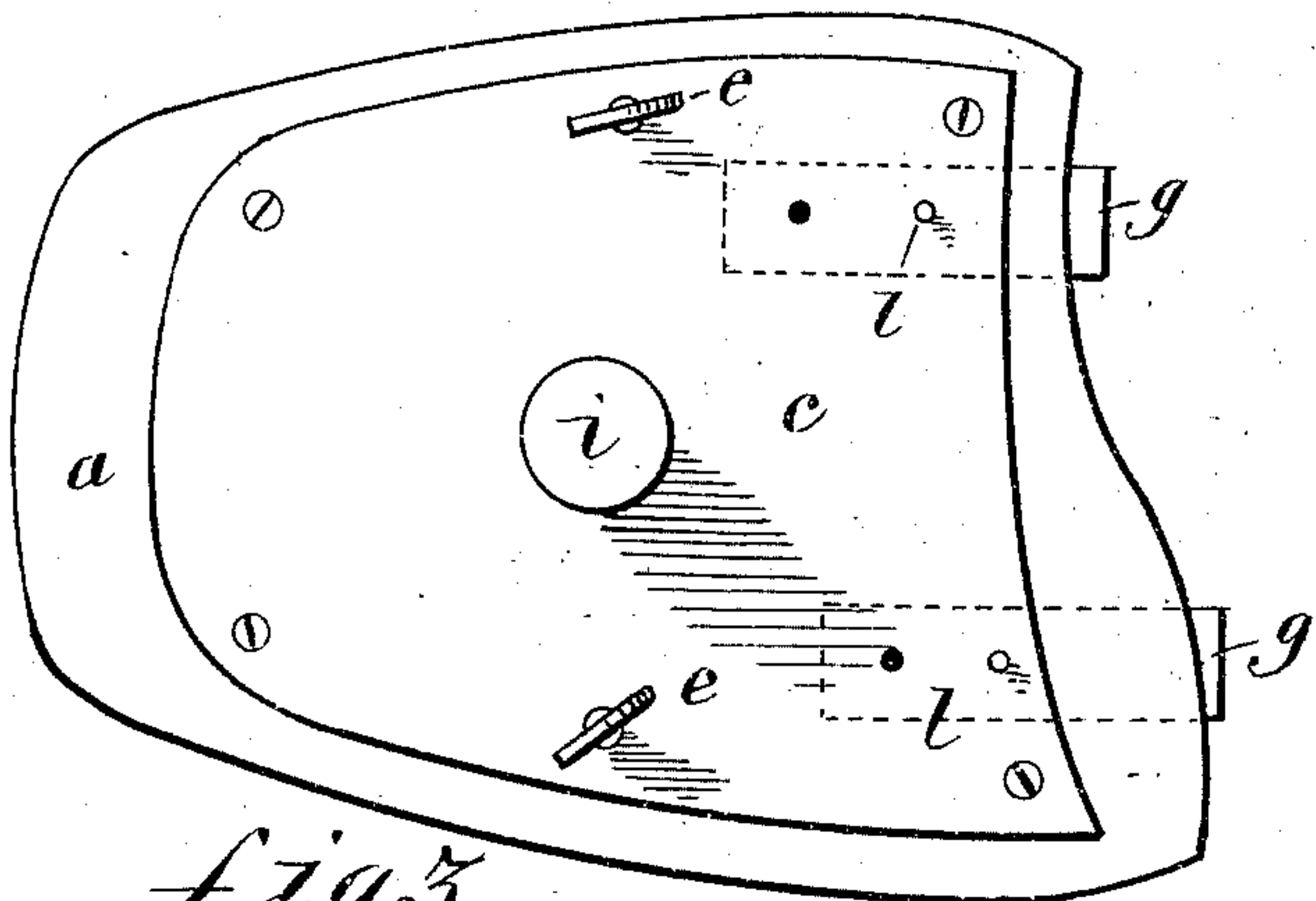
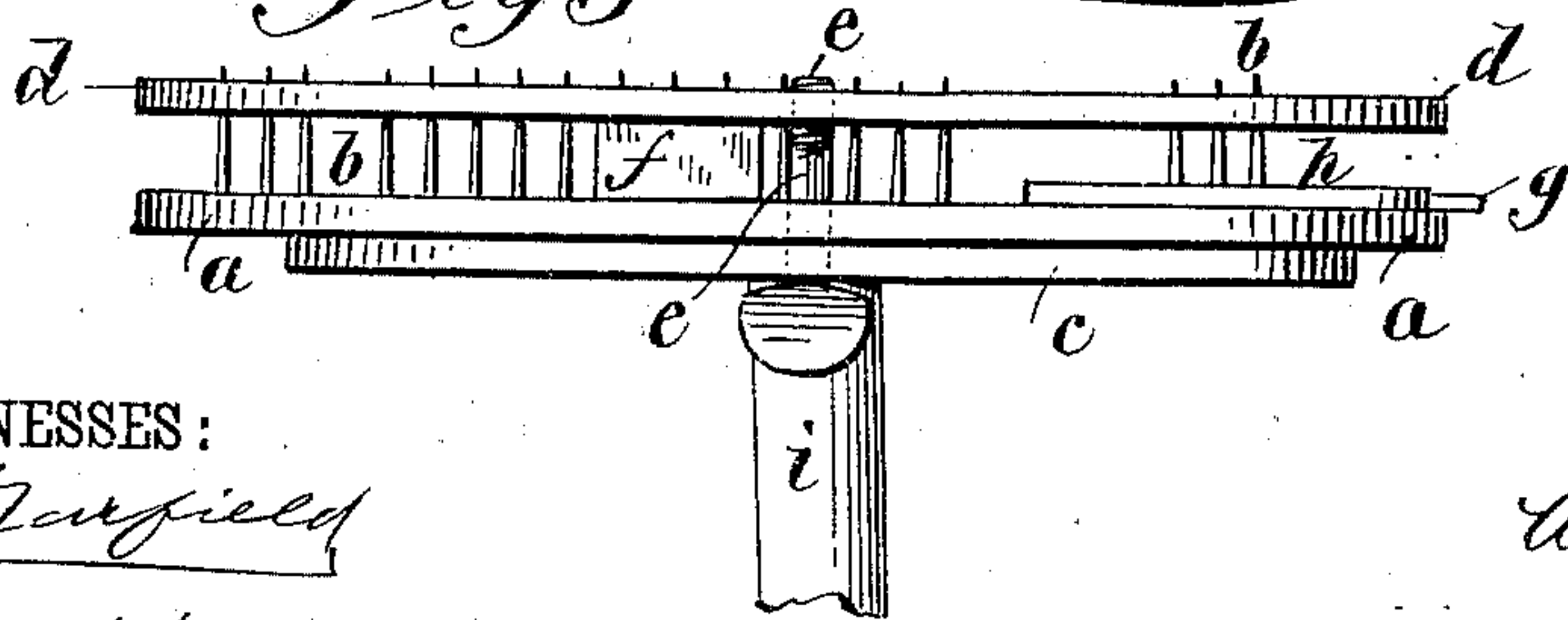


fig 3



WITNESSES:

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BY

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UNITED STATES PATENT OFFICE.

WILLIAM CAREY HOAR, OF SPENCER, MASSACHUSETTS.

BOOT OR SHOE SOLE STAMP.

SPECIFICATION forming part of Letters Patent No. 277,727, dated May 15, 1883.

Application filed March 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CAREY HOAR, of Spencer, in the county of Worcester and State of Massachusetts, have invented a new and Improved Boot or Shoe Sole Stamp, of which the following is a full, clear, and exact description.

This invention relates to improvements in boot or shoe sole stampers of that class employing a spring-actuated follower or presser-plate sliding upon the awls fixed to a second plate through which pressure is exerted upon the awls.

My invention consists of a device for stamping the holes in the soles or taps of boots and shoes in which the nails or pegs are to be driven for making figures in special or ornamental design for distinguishing-marks, and also applicable for making the holes around the edges, if desired, for the pegs by which the soles or taps are to be nailed or pegged on, the said device consisting of the combination and arrangement of parts, substantially as hereinafter fully set forth and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved sole-stamp inverted. Fig. 2 is a plan view of the stamp, and Fig. 3 is a side elevation of it in inverted position.

I take a plate, *a*, of metal, shaped about like the tap or ball of a shoe-sole, and including the shank or a portion of it, if desired, and use it for the head or back of a card of peg-awls, *b*, by fitting the heads of the awls to it and securing them by a back plate, *c*, or other equivalent means, the said back plate being firmly riveted or screwed to plate *a*, against the heads of the awls *b*, and to this plate I connect another plate, *d*, of similar form, for a guide to the points of the awls, which are made to pass through it, and also for a presser for holding the leather while the awls are drawn out of it, after having punched the holes, by means of stud-guides *e*, preferably consisting of thumb-screws passing through plate *a* and screwing into plate *d*, so as to limit the movement of the plates from each other, but allowing them to be pressed together, the stud-guides being fitted through plate *a*, so that it can move along them. To lift the plate *a* and withdraw the awls after having been forced into the leather, I have provided strong

rubber springs *f* between the plates, which are to be compressed when the awls are forced in and will force them out again when the pressure on the plate *a* ceases. The awls *b* are arranged in the plate *a* in any form or figure that it is desired the pegs or nails shall represent on the sole or tap of the boot or shoe—as a star, cross, circle, or other figure—and in case it is desired to use the device for punching the holes around the margin for the pegs or nails by which the tap is to be nailed on they will be arranged in that form, the stamps being in that case made in right and left shapes for the corresponding shoes; but for the central figures one stamp will serve for both shapes; and in case it is to be contrived for stamping figures on the shanks of the shoes, one or more adjustable sections, *g*, of plate *a*, having a few awls for small figures, will be employed for being set as required by sliding in and out of places suitably fixed for them by cleats *h*, attached to plate *a*. These adjustable sections will be secured in different positions by pins *i*, for which different holes may be provided, as the positions of the sections may require to be shifted for the different shapes of shoes.

A handle or shank, *i*, is attached to back *a* for convenience of handling the stamp and attaching it to the stock of the press in which it is to be used.

Other forms of springs may be employed instead of the rubber spring here shown, as may be preferred.

The form of the device may be so contrived that it will serve for stamping the heel as well as the sole, and I propose to so arrange it whenever it may be required; or I may make a separate device on the same plan for the heel.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a boot or shoe sole stamper, the combination, with the plate *a*, the guides *e*, and springs *f*, of the plate *d*, having open slots at one end, and the sliding plates *g*, provided with awls or puncturers *b*, projecting through the open slots of plate *d*, substantially as and for the purpose set forth.

2. The combination of one or more adjustable sections, *g*, having awls *b*, with the sole-stamper, substantially as described.

WILLIAM C. HOAR.

Witnesses:

Mrs. WILLIAM C. HOAR,
EVERETT R. CALL.