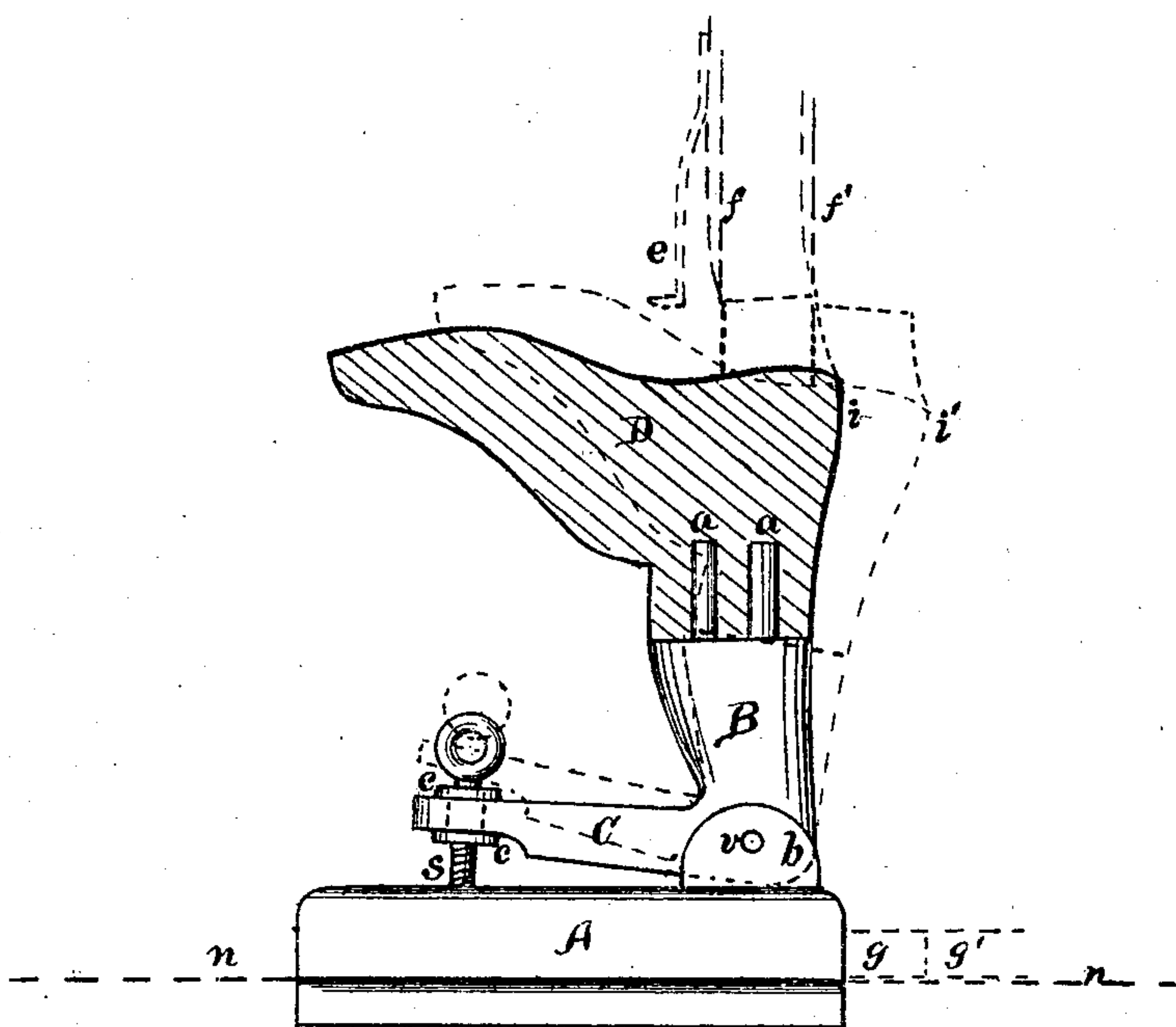


A. B. JAQUITH & J. WOLOHAN.

Heel-Breasting Machines.

No. 145,061.

Patented Dec. 2, 1873.



Witnesses.

E. B. Clintzenich
J. A. Loughborough

Inventors.

A. B. Jaquith & J. Wolohan
By Mrs. Loughborough
Atty

UNITED STATES PATENT OFFICE.

ADDISON B. JAQUITH AND JAMES WOLOHAN, OF ROCHESTER, NEW YORK,
ASSIGNORS OF ONE-THIRD THEIR RIGHT TO ELBRIDGE A. JAQUITH,
OF SAME PLACE.

IMPROVEMENT IN HEEL-BREASTING MACHINES.

Specification forming part of Letters Patent No. **145,061**, dated December 2, 1873; application filed
March 17, 1873.

To all whom it may concern:

Be it known that we, ADDISON B. JAQUITH and JAMES WOLOHAN, both of Rochester, in the county of Monroe and State of New York, have invented certain Improvements in Machines for Breastling the Heels of Boots and Shoes, of which the following is a specification:

This invention consists in the employment of a hinged stock for the support of the "breasting"-last, the latter being connected to the former by a suitable dowel or dowels, which shall sustain said last in any desired adjustment without a toe-rest, and at the same time to permit its angle of inclination to be varied by a set-screw.

The drawing represents a side elevation of our invention with the breasting-last in section.

The object of our invention is to provide a simple apparatus for trimming the "breast" of boot and shoe heels, which shall be both cheap and efficient, and which shall enable the work to be done with perfect uniformity and great rapidity.

A represents a base fitted to slide upon ways. (Indicated by dotted lines *n*.) B is a stock, which is hinged, by the bolt *v*, to the base A, between the ears or lugs *b*. The end of the arm C is secured in any desired elevation by means of the governing-screw *s*, which is tapped into the base A, and is swiveled through the end of the arm by means of the collars *c*, the body of the screw fitting loosely in the arm. The last-block D is detachably connected to the stock or supporter B by two strong dowel-pins, *a*. The several parts, including the last-block, are preferably made of metal.

The breasting-chisel (represented by the dotted lines *f* and *f'*) may be rigidly fixed in a bar connected, by a strap or otherwise, to a pedal below the base, so as to be pressed down by the foot of the operator, while it may be raised by a spring or a counter-weight.

There may be an adjustable stop, *g*, attached to the ways, (shown by dotted lines *n*,) against which the base is pressed to gage the position of the boot under the breasting-chisel,

and thereby govern the "length" of the heel; or a concave stop might be arranged so as to strike the base of the heel at *i* or *i'*.

The operation is as follows: The boot or shoe is "lasted" or placed upon the last D on the support B. There may be an ordinary lasting-strap applied from the arm C around the instep of the boot, if desired. The base is moved against the stop *g*, if such is used. The breasting-chisel is then forced down by the foot of the operator, until the gage *e*, attached to the chisel, strikes the sole of the boot. The pedal is then released, which permits the chisel to rise to its normal position, when the base A is withdrawn—to the left—from under the chisel, that boot removed, and another applied, and the operation repeated, which, with little practice, may be done with very great rapidity, and the greatest possible uniformity.

When our invention is used in connection with a heeling-machine, the last and boot are transferred from the latter to our machine without unlasting.

Instead of the two dowels *a*, a single square dowel and socket may be used, the object being to retain the last in a fixed position upon a single support.

We are aware that adjustable last-standards have heretofore been used in lasting and in heeling machines, &c.; but we are not aware that either in such, or in breasting-machines, an adjustable standard which could be adjusted and secured in any desired adjustment by means of a single fixed set-screw, and without a toe-rest, has ever been used before our invention; therefore

What we claim as our invention is—

The pivoted stock B, with its arm C and adjusting-screw *s*, in combination with the sliding base A in breasting-machines, when the said stock is constructed to receive and retain the last D rigidly in its desired position or adjustment, substantially in the manner and for the purposes shown and described.

A. B. JAQUITH.

Witnesses:

J. WOLOHAN.

WM. S. LOUGHBOROUGH,
PATRICK MCINTYRE.