

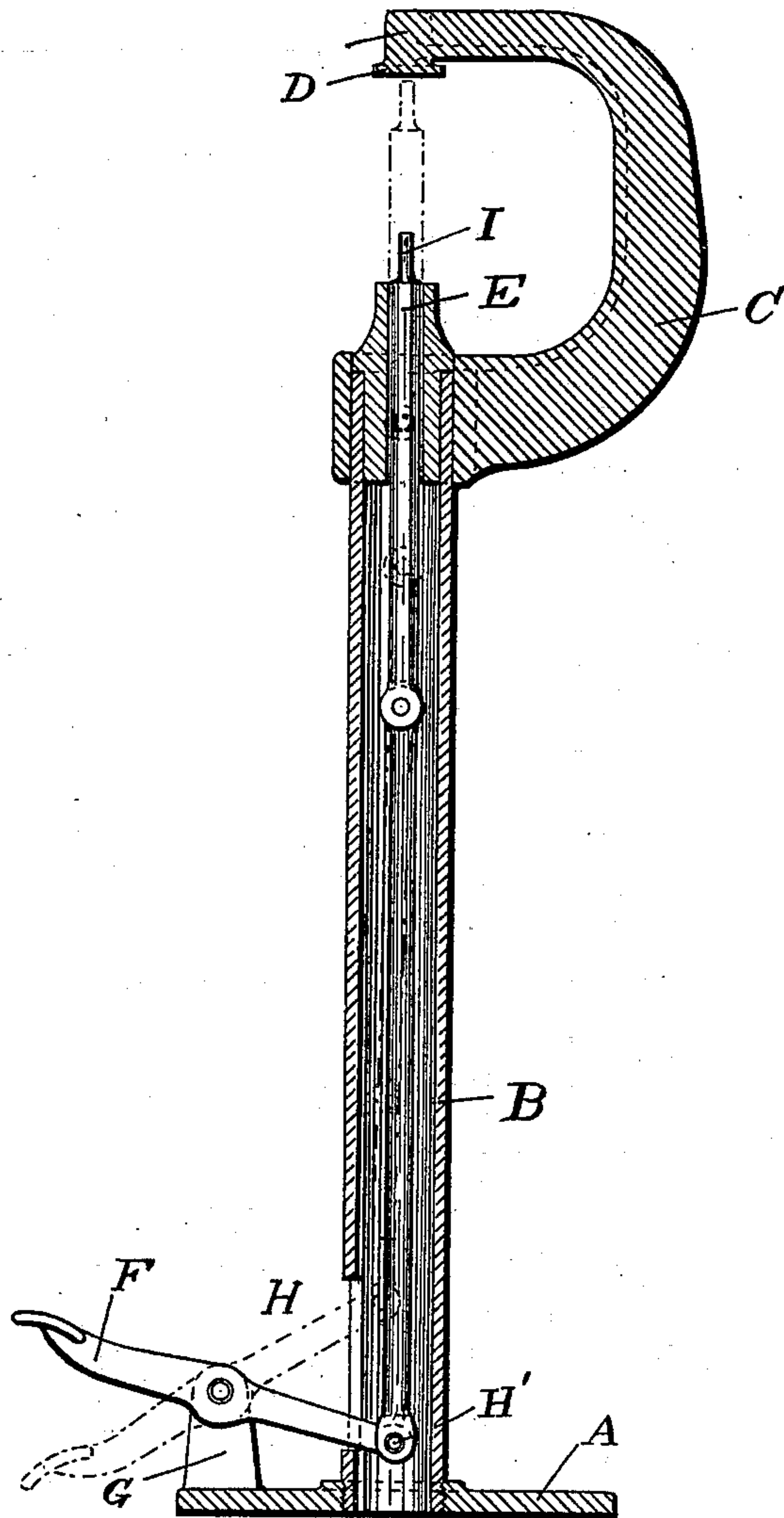
No. 622,845.

Patented Apr. 11, 1899.

A. G. FITZ.  
RELASTING MACHINE.

(Application filed Oct. 21, 1898.)

(No Model.)



Witnesses:  
Marion Richards.  
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# UNITED STATES PATENT OFFICE.

AMOS G. FITZ, OF AUBURN, MAINE.

## RELASTING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 622,845, dated April 11, 1899.

Application filed October 21, 1898. Serial No. 694,190. (No model.)

*To all whom it may concern:*

Be it known that I, AMOS G. FITZ, a citizen of the United States, residing at Auburn, in the county of Androscoggin and State of Maine, have invented certain new and useful Improvements in Relasting-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in relasting-machines.

It is designed to provide easy and convenient means for inserting a last into a shoe after the shoe has been substantially formed.

It consists of a stationary and a movable element, one provided with a spindle adapted to enter the vertical hole usually found in the heel portion of lasts and support the last thereon and the other adapted to be brought into contact with the bottom of the shoe while being inserted in a last supported on said spindle to force the last into the shoe. Either element may be the movable one. In the device which I have chosen to illustrate my invention the spindle which enters the hole and supports the last is the movable element.

The drawing herewith accompanying and making a part of this application is a vertical sectional view of my improved device.

In said drawing, A represents a base; B, a hollow standard mounted thereon and having on the top thereof the arm C, curved so that the free end D may extend over and lie in the path of a spindle E, mounted in said standard. Spindle E is provided at its lower end with a lever F, mounted on and having its fulcrum in a suitable support G. One end of lever F projects through a slot H in the standard and has a pivot connection H' with the lower end of the spindle. The top I of the spindle is adapted to enter the spindle-hole in the last and support the last thereon during the operation of relasting.

The operation of my device is as follows: The last is placed upon the spindle while it is in the position shown in the drawing. The toe of the last is then inserted in the shoe, the hands grasping the sides of the shoe and drawing it down over the heel end of the last

until the same is fairly started. This part of the operation is very easy and requires little effort. The foot is then placed upon the lever and the plunger is forced upwardly until the heel of the shoe contacts with the stationary member, and then the pressure exerted on the last, driven upward by the movable member, tends to force the last into the shoe. When the foot is removed from the lever, the spindle falls by its own weight.

It will be evident that this is equally adapted either to use on whole lasts or on lasts divided transversely, whether hinged together or not.

By this means the relasting of the shoe is accomplished with greater ease and rapidity and a more perfect lasting is secured.

Having thus described my invention and its use, I claim—

1. In a relasting-machine, two members, one adapted to reciprocate with respect to the other, the stationary member lying in the path of the other, one member terminating in a spindle adapted to enter the spindle-hole of and support a last and the other terminating in a presser-foot adapted to impinge the bottom only of the heel of a shoe, whereby the heel of the shoe is free to slide under the presser-foot during the operation of relasting and means for imparting a reciprocating movement to one of said members.

2. In a relasting-machine, two members, one adapted to reciprocate with respect to the other, the stationary member lying in the path of the other, one member terminating in a spindle adapted to enter the spindle-hole of and support a last, and the other terminating in a presser-foot adapted to impinge the bottom only of the heel of a shoe and to afford an unobstructed space extending around the entire horizontal periphery of the last and means for imparting a reciprocating movement to one of said members.

In testimony whereof I affix my signature, in presence of two witnesses, this 18th day of October, 1898.

AMOS G. FITZ.

Witnesses:

NOEL B. POTTER,  
JAMES H. HEATH.