

J. Bechtel,

Boot Tree.

N^o 8,463.

Patented Aug. 25, 1868.

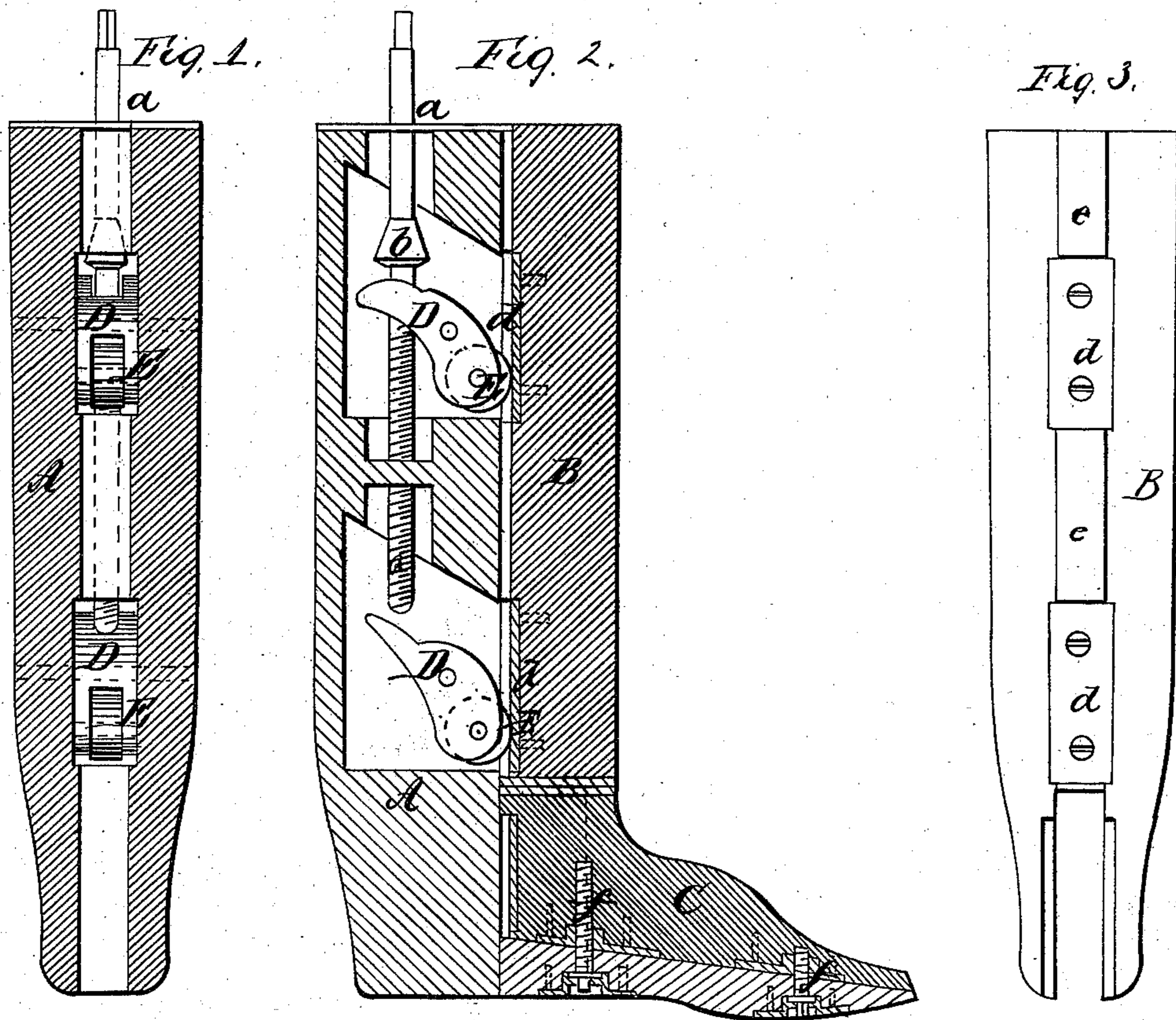
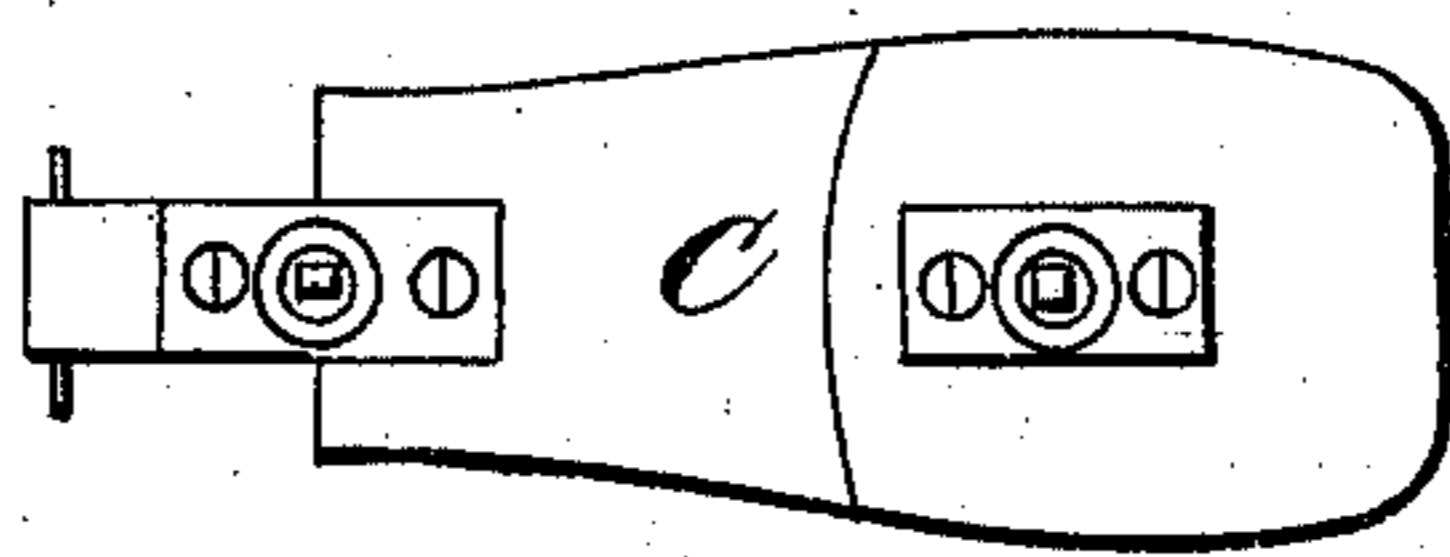


Fig. 4.



Witnesses,

Leopold Duerk
Att. Wm.

Inventor
Jacob Bechtel
per Alexander J. Mason
Atty.

United States Patent Office.

JACOB BECHTEL, OF ROXBURY, PENNSYLVANIA.

Letters Patent No. 81,463, dated August 25, 1868.

IMPROVED BOOT-TREE AND STRETCHER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JACOB BECHTEL, of Roxbury, in the county of Franklin, and in the State of Pennsylvania, have invented certain new and useful Improvements in Boot-Trees and Stretchers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and general arrangement of a boot-tree, by which a boot can be stretched to its utmost capacity, and a perfectly neat and tight-fitting boot obtained.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is front view of the back part of the boot-tree.

Figure 2 is a side sectional elevation.

Figure 3 is a rear view of the front part, and

Figure 4 is a bottom view of the last.

A represents the back part, and B the front part of a boot-tree, to which latter the last C is secured.

The inner or front side of the part A has a perpendicular groove along its entire length, and two recesses are sunk into it, as shown in fig. 2, into which metal blocks D D are placed, said blocks being pivoted in the sides of said recesses.

In the outer end of the blocks D D, are small rollers E E, and the inner ends form a tongue, pointing inwards and upwards. A screw-rod, *a*, passes from the top of the part A, through a slot in the tongue of the upper block D, and through that part of the tree A that is between the two recesses. It is further so arranged with a projection, C, that this projection will strike the upper block at the same time that the end of said screw *a* strikes the lower block, thus forcing the ends with the rollers E E, outward at the same time, and with equal force when turned by a crank applied to the top thereof.

The rear side of the front part B is provided with metal plates *d d*, opposite the recesses in the part A, against which plates the rollers E E strike when forced outwards, as described. It has also projections or slots *e e*, which fit into the groove on the part A, so that they cannot slide apart sideways.

The lower end of the part B is slotted, as seen in fig. 3, and the last C is provided with a corresponding tongue, which slides into said slot. The last is also made in two parts, as shown in fig. 2, which two parts are attached together by screws *f f*. These screws are turned by a key from the bottom, so that the same last may answer for several different-sized boots.

It will thus be seen that, by first inserting the front part B, with last C, into a boot, then the back part A, that, by turning the screw *a*, the blocks D D and rollers E E force the two parts A and B apart, stretching the boot as much as may be desired.

In case the blocks D D should not extend the parts A and B far enough, slides are put in between them, which slides are grooved on one side, and on the other provided with plates and projections, to correspond with the inner surfaces of the two parts A and B.

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

1. A boot-tree, when made in two parts, one of which is provided with blocks and rollers worked by a screw, for the purpose of pressing them outward, substantially as and for the purposes herein set forth.
2. The last C, constructed as described, in two parts, adjusted by screws, and provided with a tongue fitting into a slot on the lower end of the front part of the boot-tree, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 7th day of July, 1868.

JACOB BECHTEL.

Witnesses:

LEOPOLD EVERT,

A. A. YEATMAN.