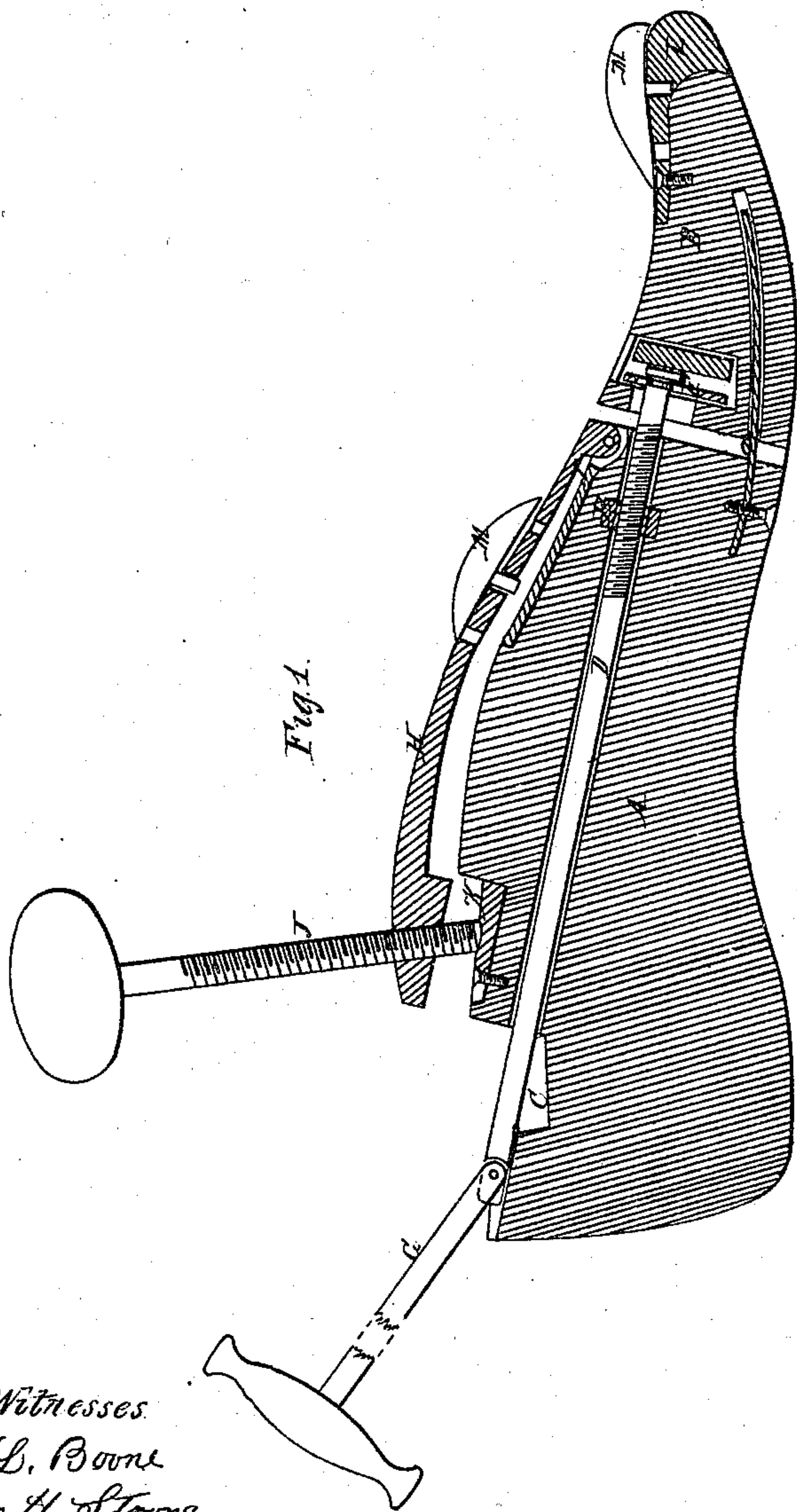


P. VEITCH.  
BOOT AND SHOE STRETCHER.

No. 86,475.

Patented Feb. 2, 1869.



Witnesses  
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PERRY VEITCH, OF SAN FRANCISCO, CALIFORNIA.

*Letters Patent No. 86,475, dated February 2, 1869.*

**IMPROVED BOOT AND SHOE-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, PERRY VEITCH, of the city and county of San Francisco, State of California, have invented an Improved Boot-Stretcher; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use my said invention or improvements without further invention or experiment.

The object of my invention is to provide a last for stretching boots, when they are too tight in any particular place, without the necessity of driving in the old last, with patches placed on the spots to be stretched, and rubbing them, as is customary when the old last is used for that purpose.

This is effected by constructing the last with a movable toe and instep, which are operated by screws passing out through the last, or an equivalent device, so that any part of the boot may be stretched as desired, different toe-caps being used for boots of various shapes.

My invention consists in providing adjustable knobs of metal, which may be attached to any portion of the last that may need special enlarging to accommodate corns or bunions.

To more fully illustrate my invention, reference is had to the accompanying drawings, forming a part of this specification, of which—

Figure 1 is a side sectional elevation.

Similar letters of reference indicate corresponding parts.

A is the body of a last, and

B, the toe, divided half way between the toe and instep.

These two sections are joined together by a metal plate, *a*, which is fastened into the section A, and works loosely in the section B.

A slot, C, is cut across the top of the last, directly over the heel.

A hole is made longitudinally through the section A, and penetrates a little way into the section B.

A screw, D, is placed in this hole, and passes through a piece of metal, E, which is cut with threads.

The end of this screw has a slot cut around it, and

enters a piece of metal, F, in section B, which prevents it from drawing out.

The screw D extends to near the back part of the last, where a rod, G, having a cross-piece for a handle, is connected to it by a joint. By turning this handle, the two sections are separated or drawn together.

The instep of the last is cut down sufficiently to allow a piece of metal, H, which conforms to its shape, to fit exactly to the last.

This false instep or cover has hinged to it, on the under side, at the front, a strap of metal, I, which is screwed to the last, and allows the cover or false instep to be raised or lowered.

A screw passes down through the back part of this cover, and rests upon a piece of metal, K, fastened to the last, so that by turning the screw the instep may be raised or lowered.

The toe of the last is covered with a piece of metal, which, as well as the cover of the instep, is pierced with holes, into which the stems of buttons or rounded metal pieces M are placed, in order to enlarge or stretch the boot where it comes in contact with tender portions of the foot.

By this construction, the toe of the boot can be stretched forward without spreading the boot, and, in stretching the instep, no pressure is exerted in the shank, which would tend to break it down.

By the use of the movable buttons M M, any portion of the boot may be stretched to favor any portion of the foot.

Having thus described my invention,

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

The combination, in a boot and shoe-stretching last, of the adjustable sections A and B, provided with the plates *a* and F and screw D, with the hinged adjustable instep H and adjusting-screw J, substantially as described and for the purposes specified.

In witness whereof, I have hereunto set my hand and seal.

Witnesses: PERRY VEITCH. [L. S.]

GEO. H. STRONG,

J. L. BOONE.