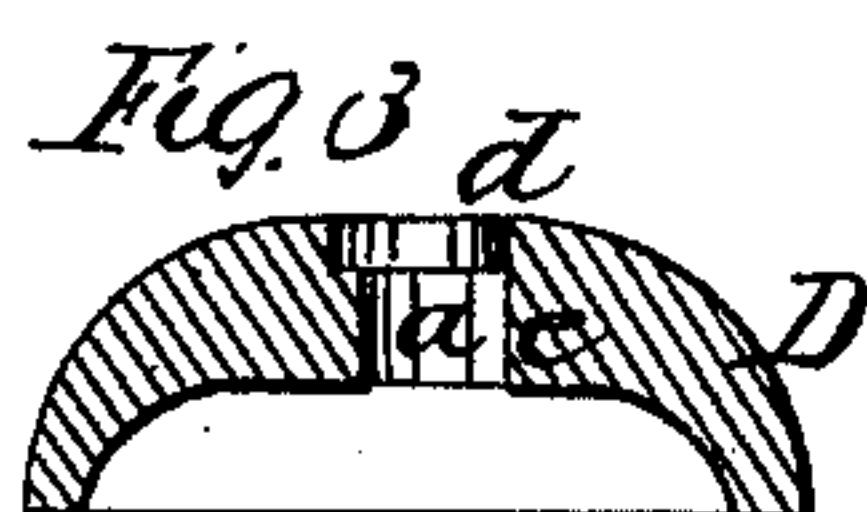
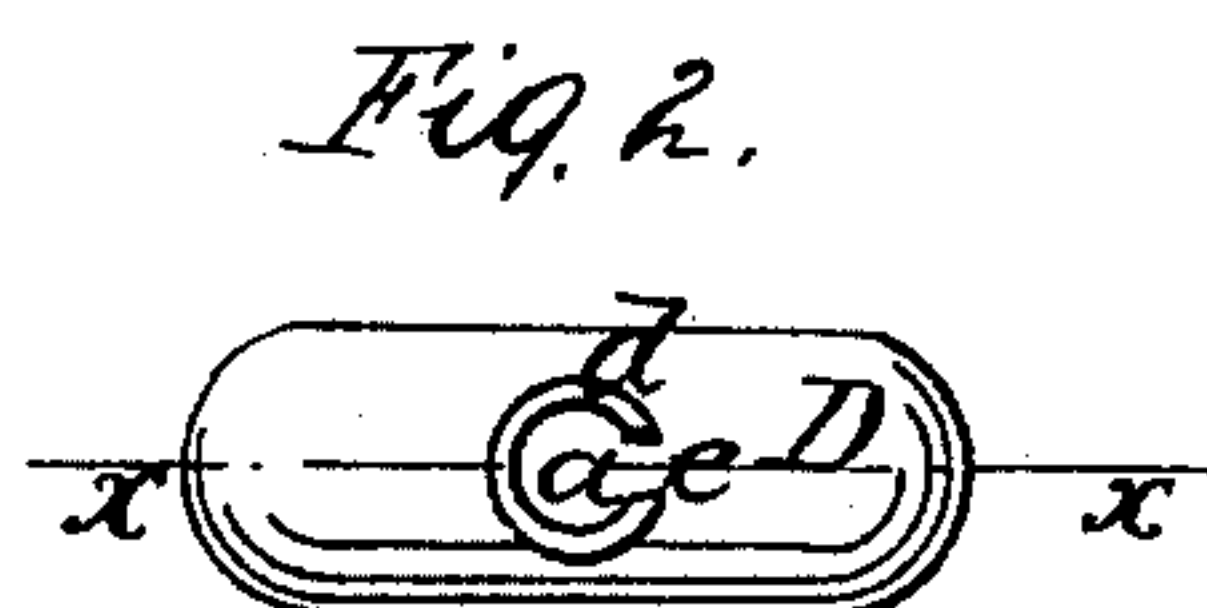
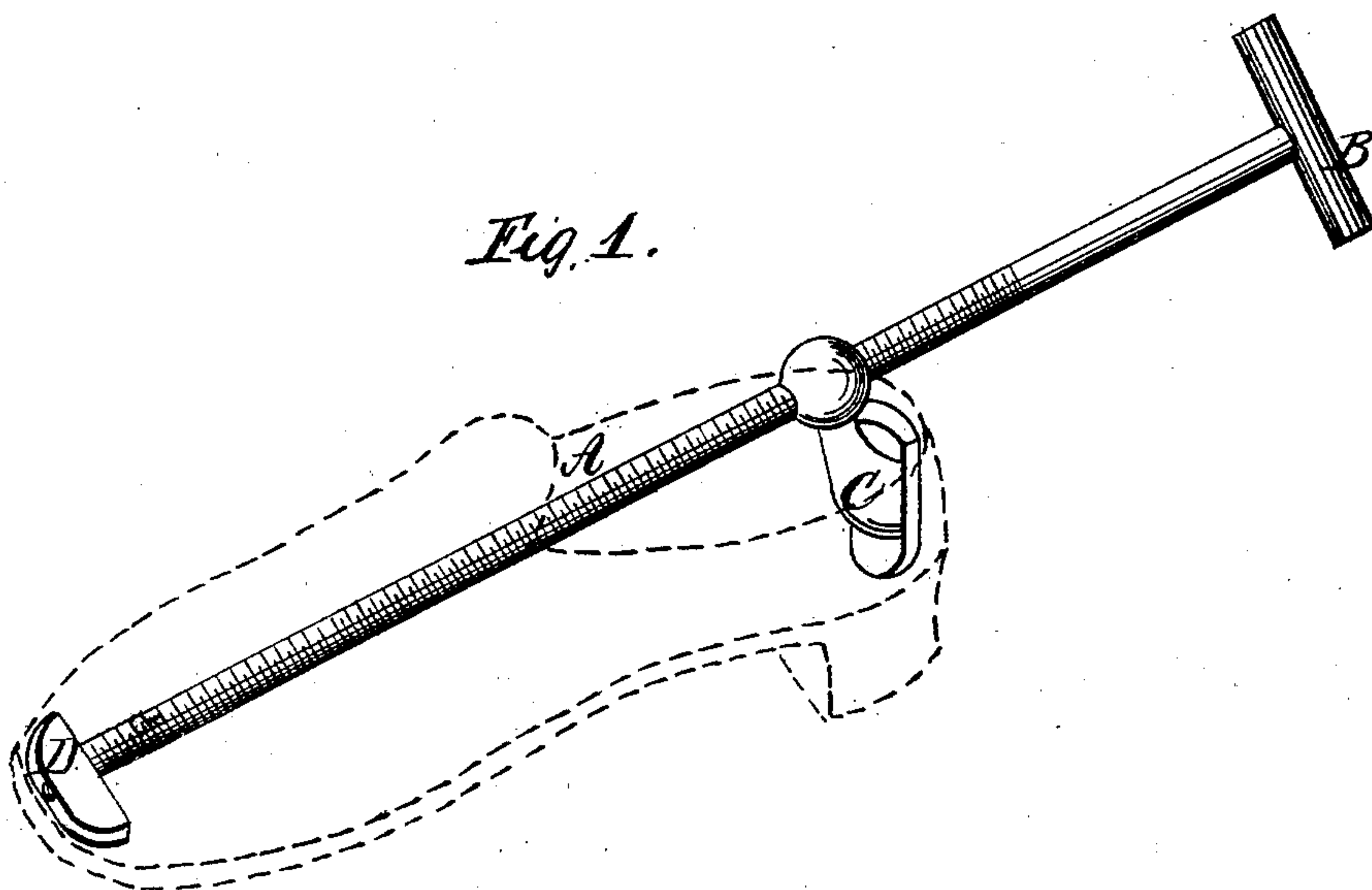


W. JONES.
SHOE STRETCHING DEVICE.

No. 67,314.

Patented July 30, 1867.



Witnesses,
Thos Tuxhe,
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Inventor
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Per [Signature]
Attorneys

United States Patent Office.

WILEY JONES, OF NORFOLK, VIRGINIA.

Letters Patent No. 67,314, dated July 30, 1867.

IMPROVED SHOE-STRETCHING DEVICE.

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, WILEY JONES, of Norfolk, in the county of Norfolk, and in the State of Virginia, have invented a new and improved Instrument for Stretching Boots and Shoes lengthwise; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying plate of drawings, forming part of this specification.

This invention relates to a new and useful improvement on an instrument for stretching boots and shoes lengthwise, and for which Letters Patent of the United States were granted to me, bearing date November 20, 1866. The original invention consists of a screw-rod, movable brace, and a shell or cap, all so arranged that the brace may be adjusted within the boot or shoe, against the counter thereof, and the shell or cap fitted in the toe of the boot or shoe, and the longitudinal stretching produced by turning the screw-rod. This instrument works perfectly in every respect, but there is one difficulty attending its use, and that consists in the liability of the shell or cap to slip off from the end of the screw-rod in adjusting the former into the boot or shoe, and the liability of the end of the screw-rod being drawn out from the shell or cap in removing the instrument from the boot or shoe after the stretching of the same. The reason of this is owing to a lack of any attachment of the shell or cap to the screw-rod, the latter having simply a tenon turned on its end to enter a hole in the shell or cap, a shoulder formed by the tenon bearing against the latter.

My invention consists in obviating this difficulty, by having the end of the tenon on the screw-rod provided with a key or lateral projection, which, in adjusting the tenon in the shell or cap, slips through a slot made at the side of the hole, and works in a countersink or recess around the outer end of the hole, at the outer side of the shell or cap. In the accompanying drawings—

Figure 1 is a perspective view of my invention fitted in a shoe and applied ready for use.

Figure 2, a detached, outer side or end view of the shell or cap pertaining to the same.

Figure 3, a longitudinal section of fig. 2, taken in the line *x x*.

Figure 4, a side view of a portion of the screw-rod.

Figure 5, an end view of the same.

Similar letters of reference indicate like parts.

A represents a screw-rod having a handle, B, at one end, and a movable brace, C, fitted upon it. D is the shell or cap, having a hole, *a*, through its centre, to receive a tenon, *b*, on the end of the screw-rod. These parts may all be constructed as described in the Letters Patent of the original invention, with the exception that the tenon *b* has a key or lateral projection, *c*, at its outer end, and the outer side of the shell or cap D a circular recess or countersink, *d*, made in it, concentric with the hole *a*, to admit of the lateral projection *c* turning around in said recess, the hole *a* having a slot, *e*, made in it to admit of the projection *c* passing through the shell or cap.

By this simple arrangement the shell or cap is prevented from slipping off from the tenon on the end of the screw-rod, in adjusting the instrument in a boot or shoe, and the tenon prevented from drawing out of the shell or cap in removing the instrument from the boot or shoe. It will of course be seen that the recess or countersink *d* is necessary in order to receive the key or lateral projection *c*, so that the latter will not come in contact with the inner side of the boot or shoe, and be prevented from turning freely when the boot or shoe is being stretched. I would remark that the detachable swivel connection is necessary in order that the cap or shell may be detached with facility, in order to admit of different hinged shells being applied to the screw-rod as occasion may require.

I claim as new, and desire to secure by Letters Patent—

1. A detachable swivel connection for securing the cap or shell to the screw-rod, substantially as set forth.
2. The key or lateral projection *c*, one or more, on the end of the tenon *b* of the screw-rod A, in combination with the circular recess or countersink *d*, in the outer side of the shell or cap D, concentric with the hole *a* and the slot *e*, one or more, corresponding in number to the keys or projections *c* in the side of hole *a*, substantially as and for the purpose set forth.

The above specification of my invention signed by me this 19th day of December, 1866.

WILEY JONES.

Witnesses:

WM. F. McNAMARA,
ALIX F. ROBERTS.