

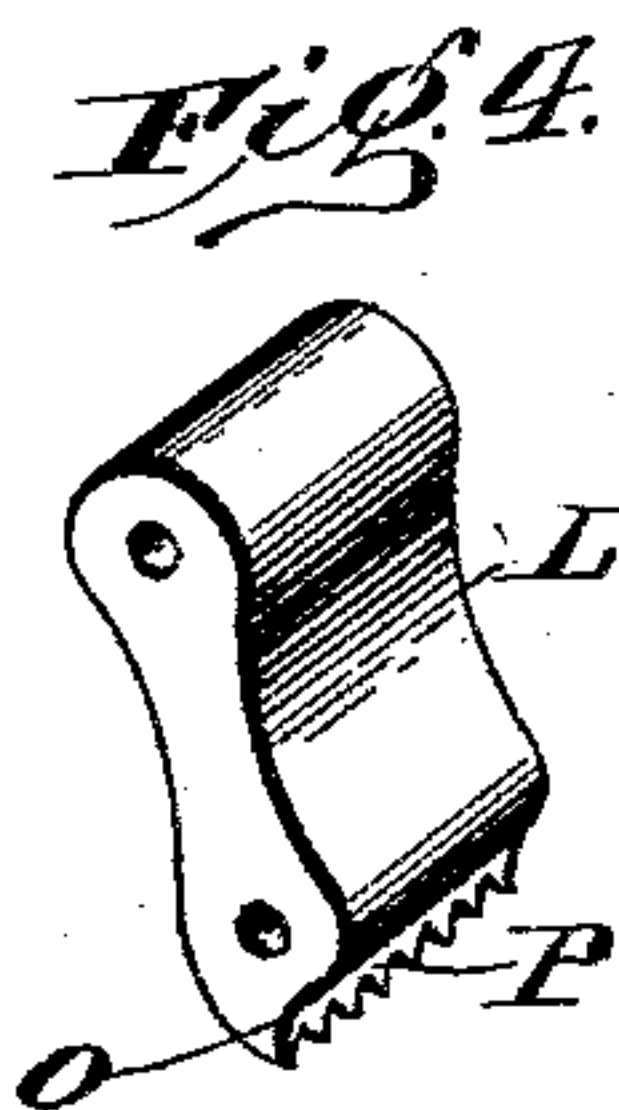
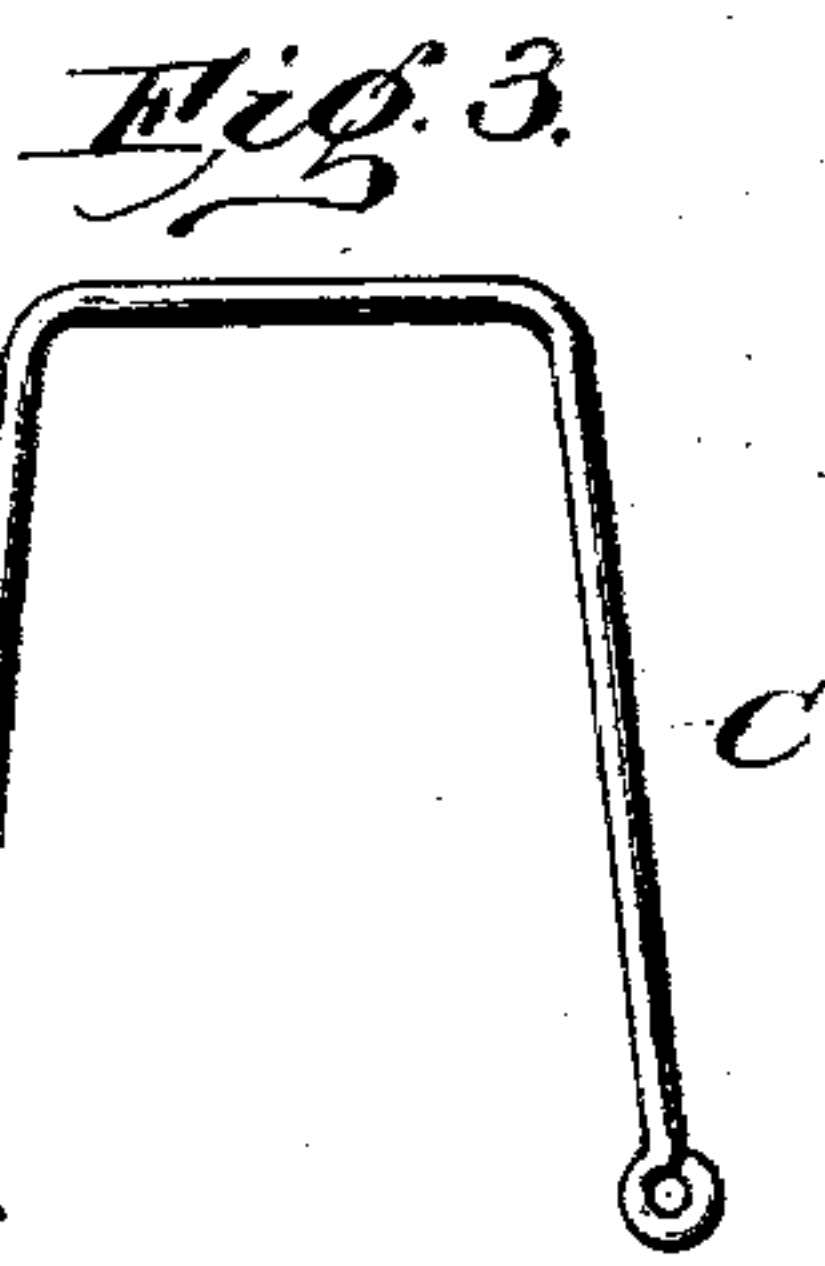
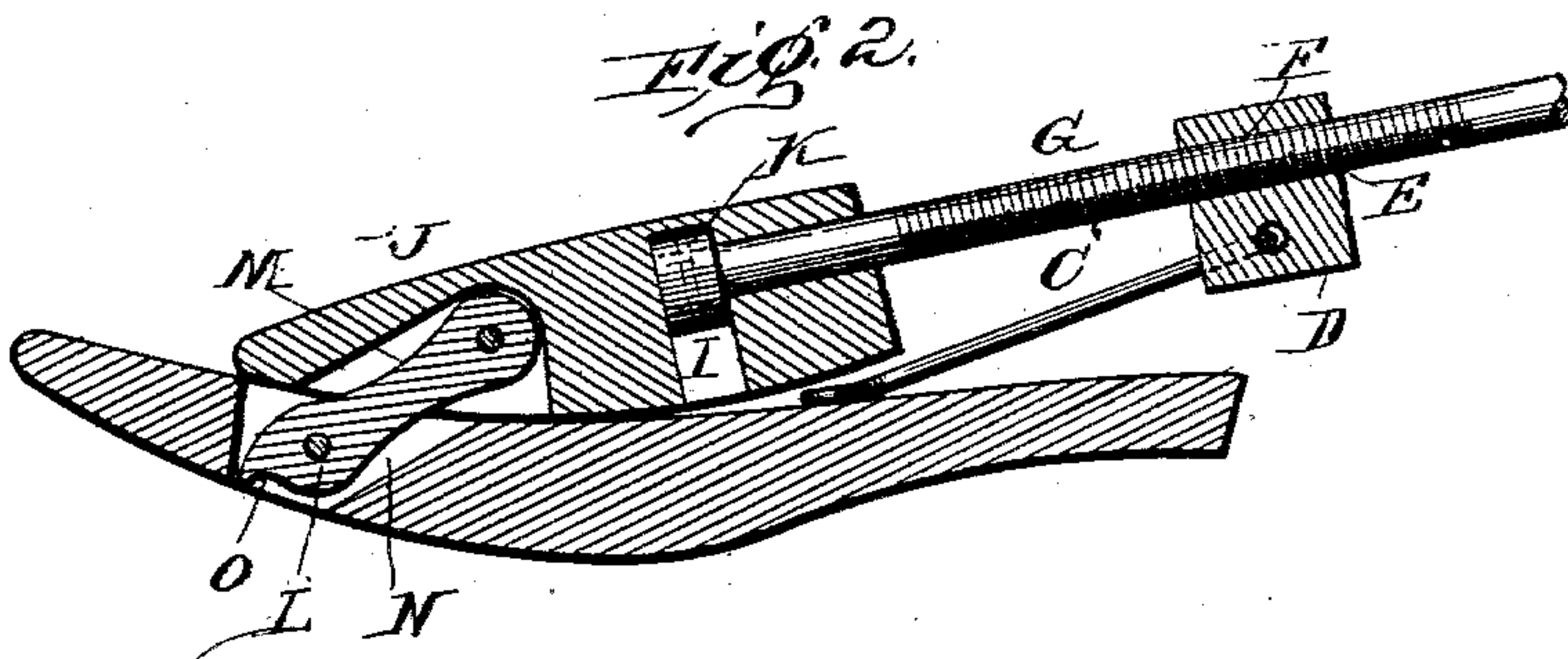
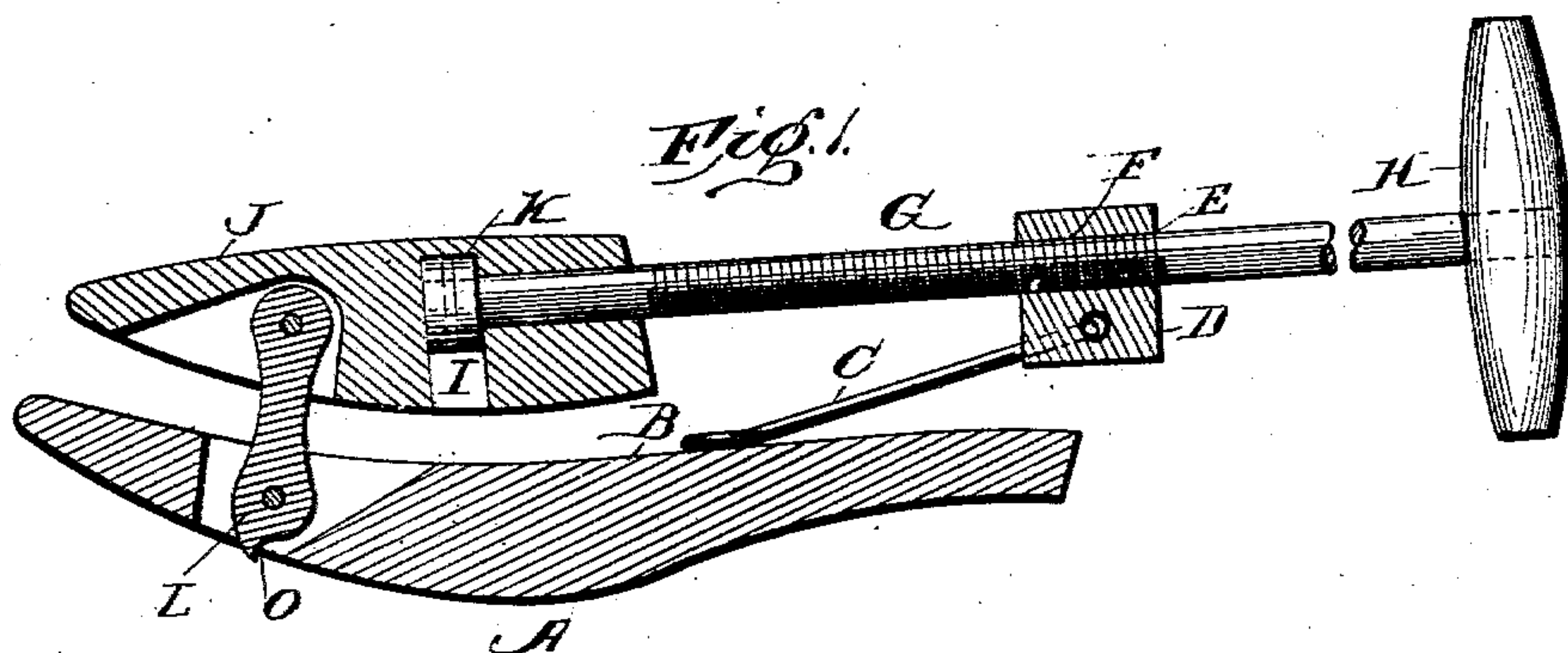
No. 629,207.

Patented July 18, 1899.

R. J. REIM.  
SHOE STRETCHER.

(Application filed Feb. 24, 1899.)

No Model.)



Witnesses.

J. M. Fowler Jr.  
B. L. Herford

Inventor.

Reinhold J. Reim  
By Farrell, Fowler & Farrell  
Attorneys.



# UNITED STATES PATENT OFFICE.

REINHOLD J. REIM, OF HOUGHTON, MICHIGAN, ASSIGNOR OF ONE-HALF TO  
EDWARD F. SILLER, OF SAME PLACE.

## SHOE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 629,207, dated July 18, 1899.

Application filed February 24, 1899. Serial No. 706,698. (No model.)

*To all whom it may concern:*

Be it known that I, REINHOLD J. REIM, a citizen of the United States of America, residing at Houghton, in the county of Houghton and State of Michigan, have invented certain new and useful Improvements in Shoe-Stretchers, of which the following is a specification.

This invention relates to shoe-stretchers, and it is more particularly adapted to stretch that portion of the shoe known as the "toe and tip seam."

The object of this invention is to provide a shoe-stretcher which is exceedingly cheap and simple in its construction, reliable and convenient in use, one that can be easily and quickly applied, and will efficiently perform all of its intended functions.

With these objects in view and such others as may appear my invention consists in the particular construction of the various parts and in the novel manner of combination or arrangement of the said parts, all of which will be hereinafter described, and specifically pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a sectional view illustrating the device in the stretching position. Fig. 2 is a sectional view illustrating the device in the position when ready to be applied. Figs. 3 and 4 are detail views.

Referring by letters to the drawings, A represents the body of the device, which is substantially the same shape as the ordinary shoe-last with the exception of the top portion B, which is flat. Approximately near the rear end of the body on the flat portion B is secured a wire frame C, supporting a metal block D, which is pivotally mounted thereon and is provided with an aperture E, having internal screw-threads F, adapted to take a threaded rod G, which is made to traverse therein by the handle H. The end of the rod engages an angular recess I in the portion J, which is formed to fit the toe of a shoe and is provided with a cap K, which serves as a bearing. A steel clutch L is pivotally secured by one end in the recess M in the portion J and is also pivotally secured at the other end in the aperture N in the body A. This clutch is provided at its lower end with a curved jaw O, having a series of teeth P, adapted to bite into the sole of a shoe.

In operating my device the same is placed

in a shoe and the handle H operated so as to cause the rod G to travel forward in the block D, thus raising the portion J on the clutch L, the teeth on the lower end of which engage the sole of the shoe and prevent the device from slipping backward. By reversing the operation of the handle the device may be readily removed.

It will thus be seen that I provide a device for stretching shoes which is easily operated and one that will be readily understood by all conversant in such matters.

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

1. In a shoe-stretcher, a last-shaped portion and a top portion pivotally connected to a clutch, a wire frame secured to the last-shaped portion having a block pivotally mounted thereon, the said block having a threaded aperture, a threaded rod journaled in said top portion and adapted to traverse in said block, a handle for operating the said rod, substantially as shown and described.

2. In a shoe-stretcher having a substantially last-shaped body, a wire frame secured to the rear end thereof supporting a block provided with a threaded aperture, a threaded rod adapted to traverse in said aperture, a handle for operating said rod, a top portion having pivotally secured therein a clutch, the said clutch pivoted in an aperture in the said body, the lower end of the clutch being provided with teeth, the said top portion and clutch adapted to be operated by the said rod, substantially as shown and described.

3. In a shoe-stretcher a last-shaped portion having an aperture with a clutch pivotally secured therein, the said clutch provided with a curved jaw having a series of teeth, a top portion pivotally secured to the said clutch, a wire frame secured to the last-shaped portion having a block pivotally mounted thereon, the said block having a threaded aperture, a threaded rod adapted to traverse in said aperture, to engage the said top portion and to operate the same, substantially as shown and for the purpose set forth.

REINHOLD J. REIM.

Witnesses:

J. G. BERTRAND,  
A. W. SILLER.