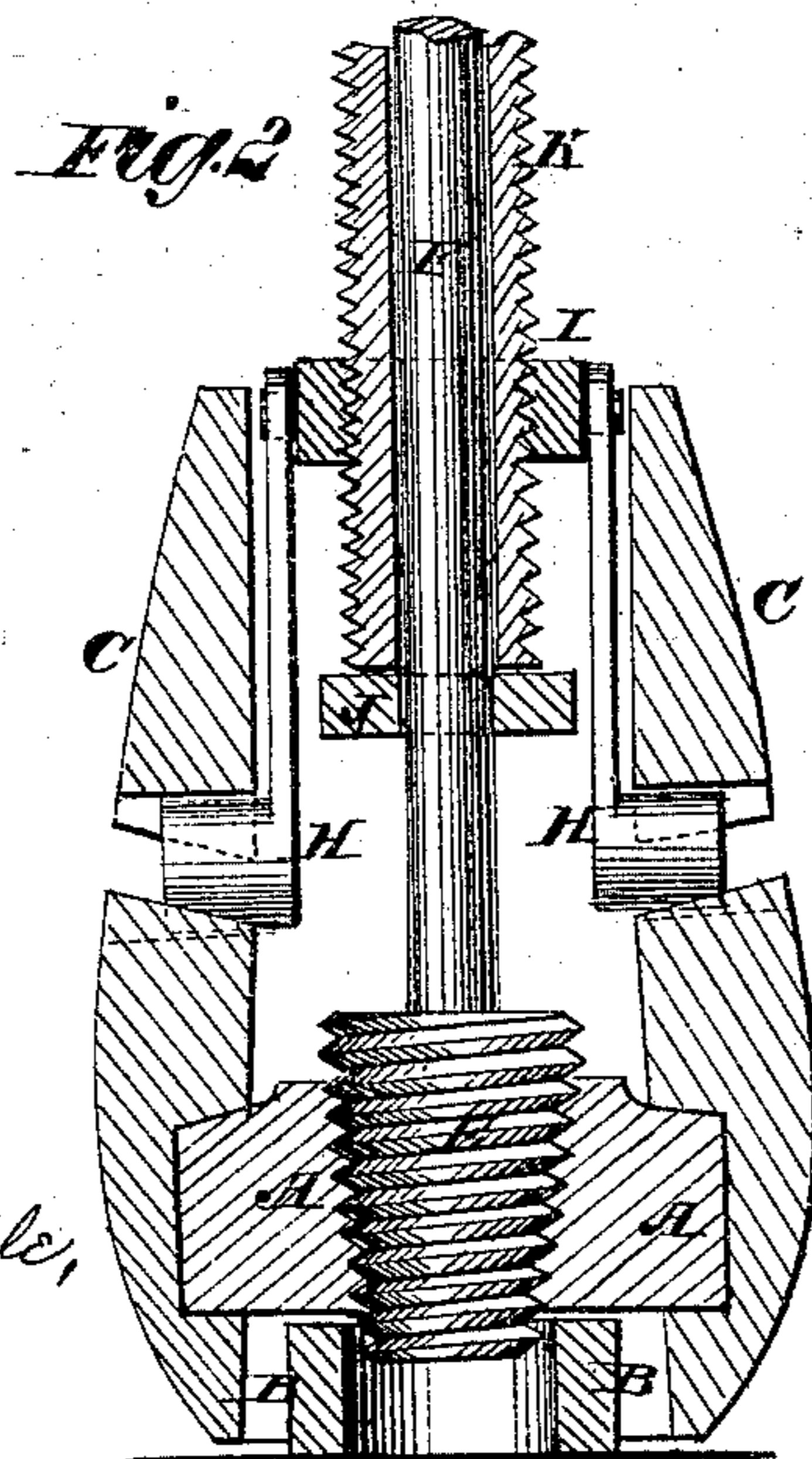
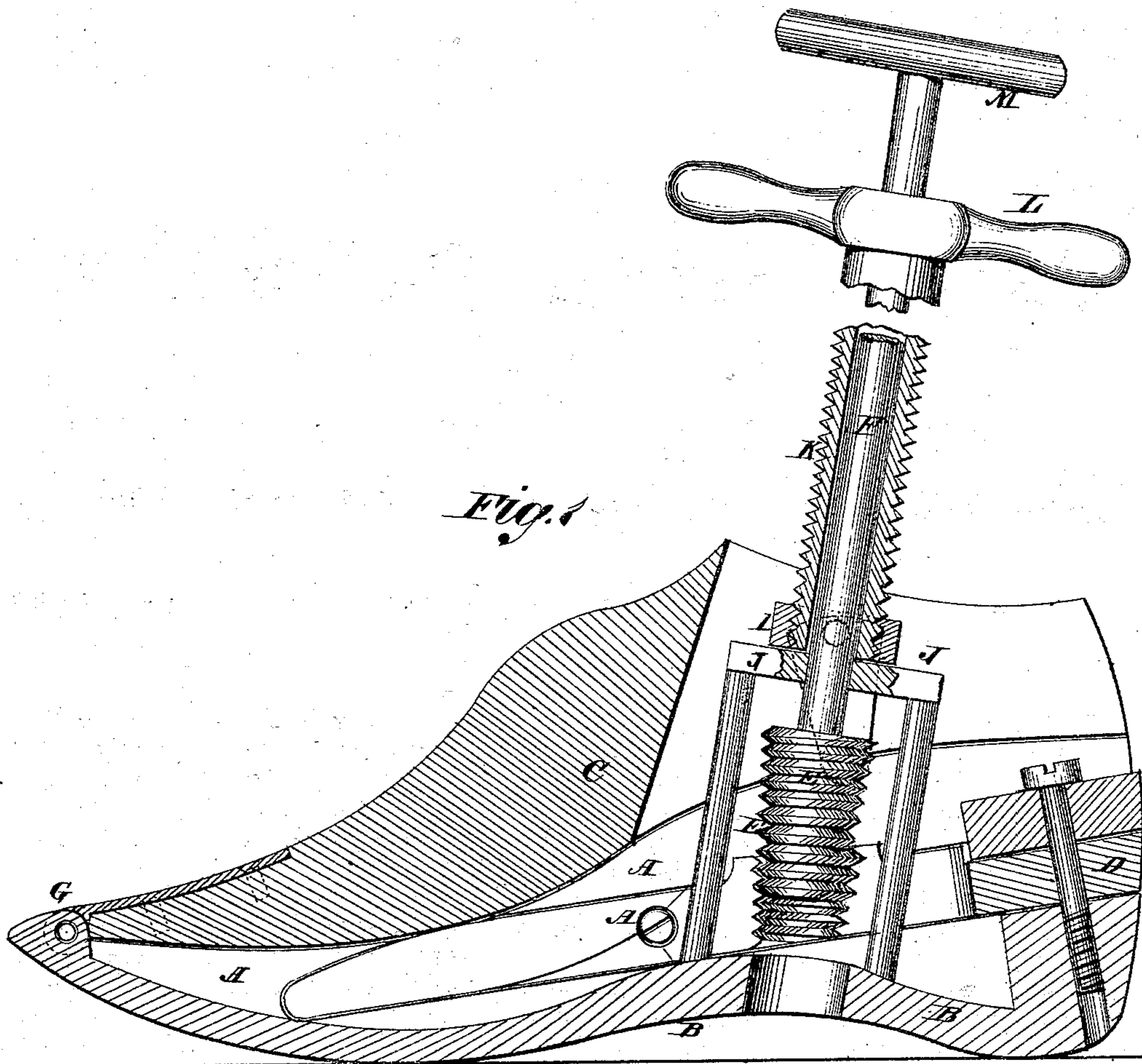


F. A. FAY & R. SPAHN.

Ball and Instep Stretchers for Boots, &c  
No. 153,937

Patented Aug. 11, 1874.



WITNESSES:

Francis McArdle,  
Attest

INVENTOR:

F. A. Fay  
R. Spahn

BY

Munn & Co.

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

FRANK A. FAY AND RUDOLPH SPAHN, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN BALL AND INSTEP STRETCHERS FOR BOOTS, &c.

Specification forming part of Letters Patent No. **153,937**, dated August 11, 1874; application filed July 3, 1874.

*To all whom it may concern:*

Be it known that we, FRANK A. FAY and RUDOLPH SPAHN, of Williamsburg, Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Ball and Instep Stretcher, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a longitudinal sectional elevation of my improved ball and instep stretcher, and Fig. 2 is a transverse section.

Similar letters of reference indicate corresponding parts.

A represents two side pieces, arranged between a bottom piece, B, and the instep piece C, and pivoted at the heel D, and provided with the tapered screw-plug E, a little in advance of the pivot for forcing them apart at the ball for stretching it, a divided nut being formed, half in each piece, for the plug, and the plug being provided with a stem, F, and a handle for turning it. The instep-stretcher C is pivoted to the bottom-piece B at the toe G, and it is connected behind the instep by

the yoke H to the nut I of a hollow screw, K, resting on the stand J, which is supported on the bottom piece B. This hollow screw surrounds the rod F, and allows it to extend down in the same axis to the plug E, and it has a handle, L, for turning it.

Thus we have a stretcher both for the ball and instep of a shoe or boot combined in a very simple and inexpensive arrangement, which is at the same time efficient and durable.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The conical screw E and straight screw K, for operating the ball and instep stretcher, arranged upon the same stem F, as shown and described, to render them more convenient of application, and to economise room in the boot or gaiter.

FRANK A. FAY.  
RUDOLPH SPAHN.

Witnesses:

T. B. MOSHER,  
ALEX. F. ROBERTS.