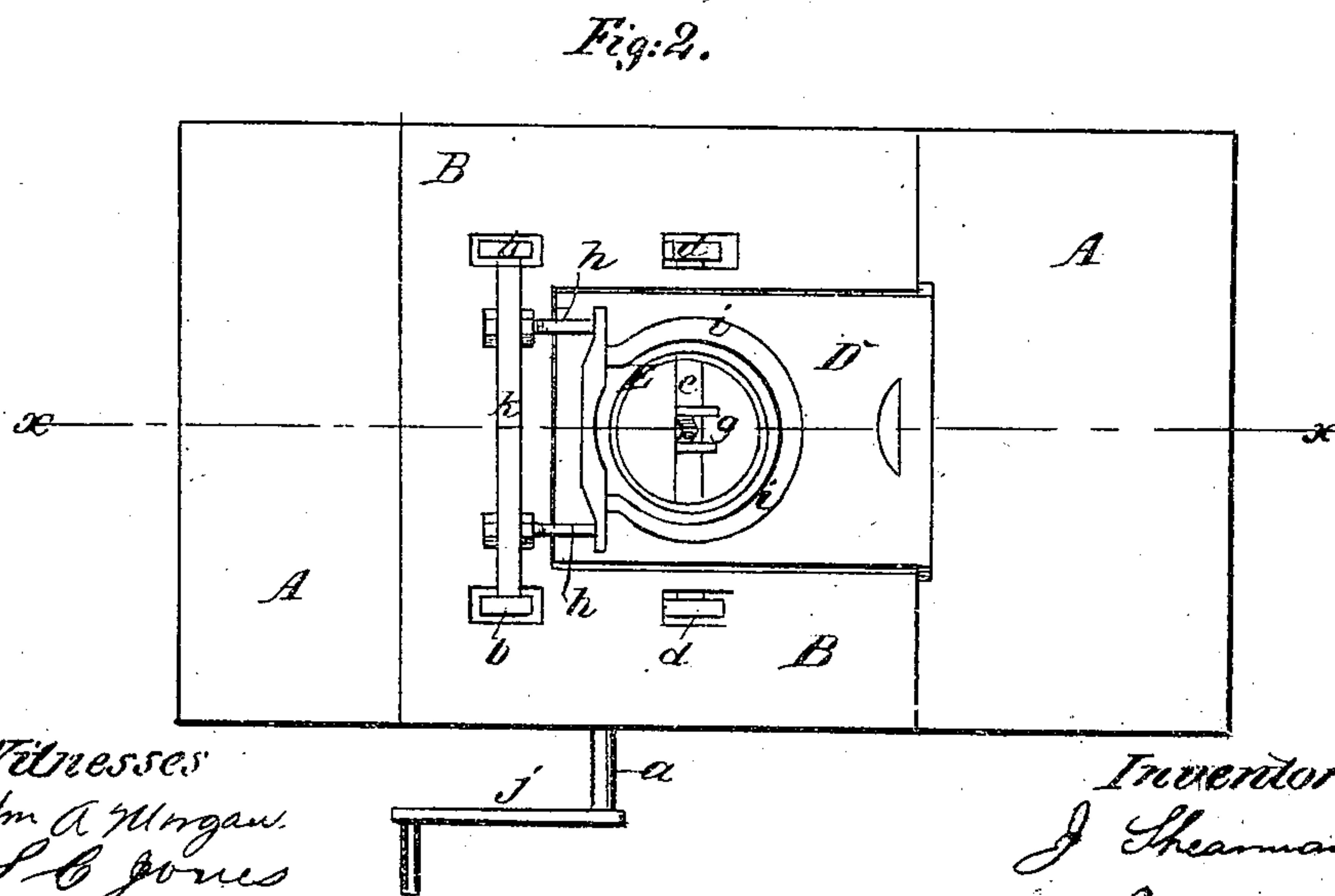
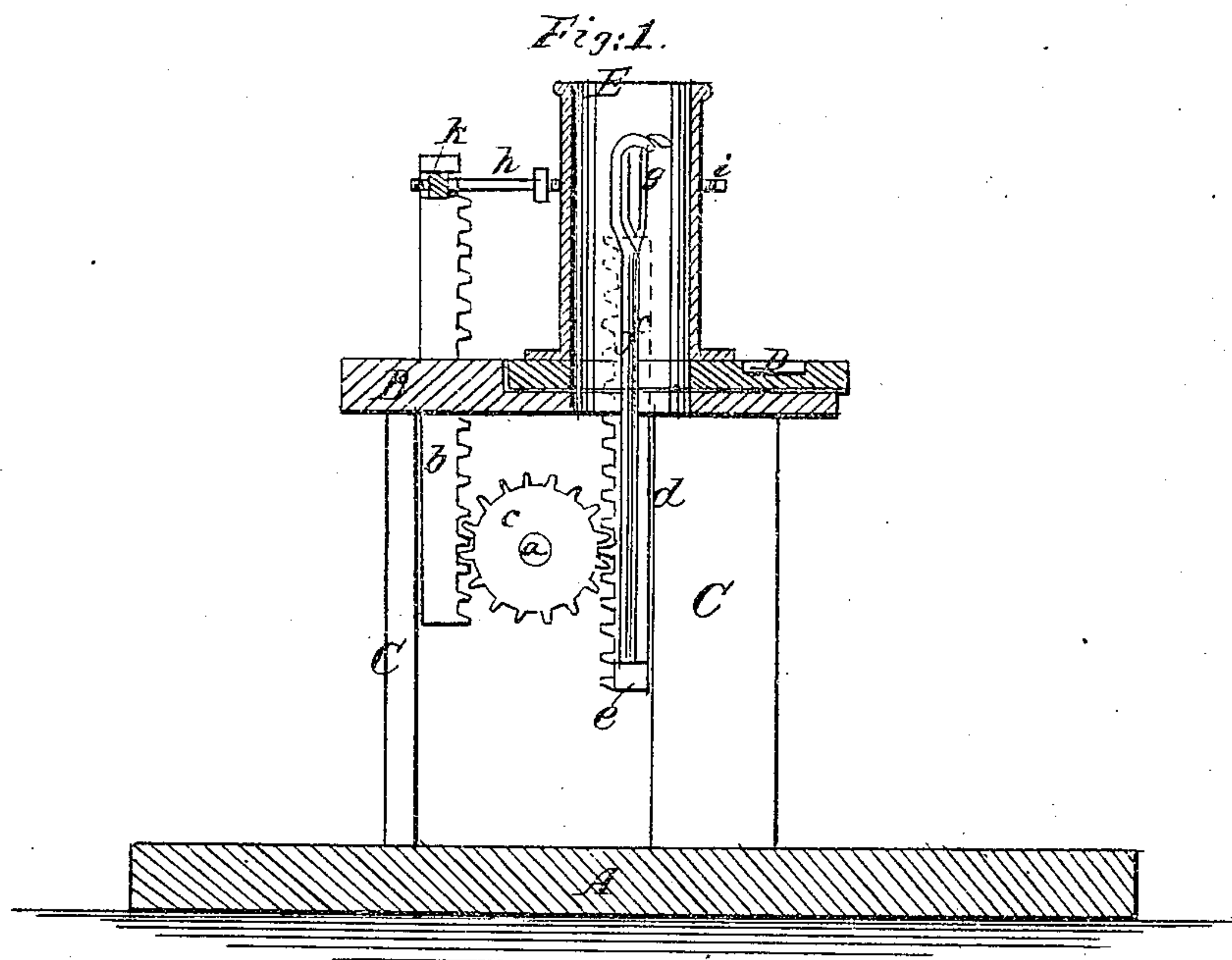


No. 81,301.

PATENTED AUG. 18, 1868.

J. SHEARMAN.
MACHINE FOR TURNING BOOT LEGS.



Witnesses
Wm A Morgan
S B Jones

Inventor
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United States Patent Office.

JACOB SHEARMAN, OF FAYETTEVILLE, PENNSYLVANIA.

Letters Patent No. 81,301, dated August 18, 1868.

IMPROVED MACHINE FOR TURNING BOOT-LEGS.

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 SHEARMAN, of Fayetteville, in the county of Franklin, and State of Pennsylvania, have invented a new and improved Machine for Turning Boot-Legs; 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 drawings, forming part of this specification.

Figure 1 is a sectional elevation of my machine, through the line *x x*, fig. 2.

Figure 2 is a top view of the same machine.

Similar letters of reference indicate corresponding parts.

The object of this invention is, as its name imports, for the purpose of turning boot-legs.

In the manufacture of boots, the legs of the same are seamed up, with the wrong side out, and afterwards turned and united to the foot part of the boot by sewing or stitching.

To accomplish the rapid and easy turning of boot-legs, several machines have been devised and operated, but were all of them liable to objections, being complicated, or expensive, or open to other objections.

My improved machine is simple, effective, and in small compass.

It consists in the form and arrangement shown in the accompanying drawings, and which is hereinafter fully described.

A is the base, and B C C a table affixed thereon.

E is a cylinder, of sheet metal or wood, affixed to the top of the table, and over an opening in the same, through which the rod *f*, having hooks *g*, plays up and down, being actuated to do so by cog-wheels *c* on the crank-shaft *a*, the said cog-wheels engaging with the racks *d*, to the cross-piece *e* of which racks, the rod *f* is affixed, as shown.

The opposite side of the cog-wheels engages with a similar pair of racks, *b*, connected, at the upper ends, by a cross-piece, *k*, to which is affixed, by arms *h h*, the ring *i*, enclosing the cylinder E.

The racks are so arranged that when the crank *j* is turned in one direction, the hooks *g* will descend, and the ring *i* will ascend, as when turned in an opposite direction, the reverse movement of the ring and hooks will take place.

The boot-leg, when seamed up, is slipped on the cylinder, and the straps of the leg placed on the hooks *g*; the crank is then turned to move the hooks downward, which operation draws the boot-leg within the cylinder, thus turning it right side out.

The ring *i*, rising simultaneously with the descent of the hooks, actuates the leg upward on the cylinder, thus assisting the operation of the hooks in reversing the leg.

The cylinder may be affixed to a slide, D, as shown, so that it may be removed, and another similar slide bearing a different-sized cylinder may be substituted, if required.

The racks *b* and the ring *i* are merely accessory, and may be dispensed with, though the machine will not operate so well without that device.

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

1. The cylinder E, table B C C, wheels *c*, racks *d d*, rod *f*, hooks *g*, shaft *a*, and crank *j*, all arranged and operating substantially as and for the purpose shown and described.

2. The racks *b* and ring *i*, substantially as described, in combination with the accessory mechanism, all as set forth.

Witnesses:

GEO. B. COLBY,
R. B. PENMAN.

JACOB SHEARMAN.