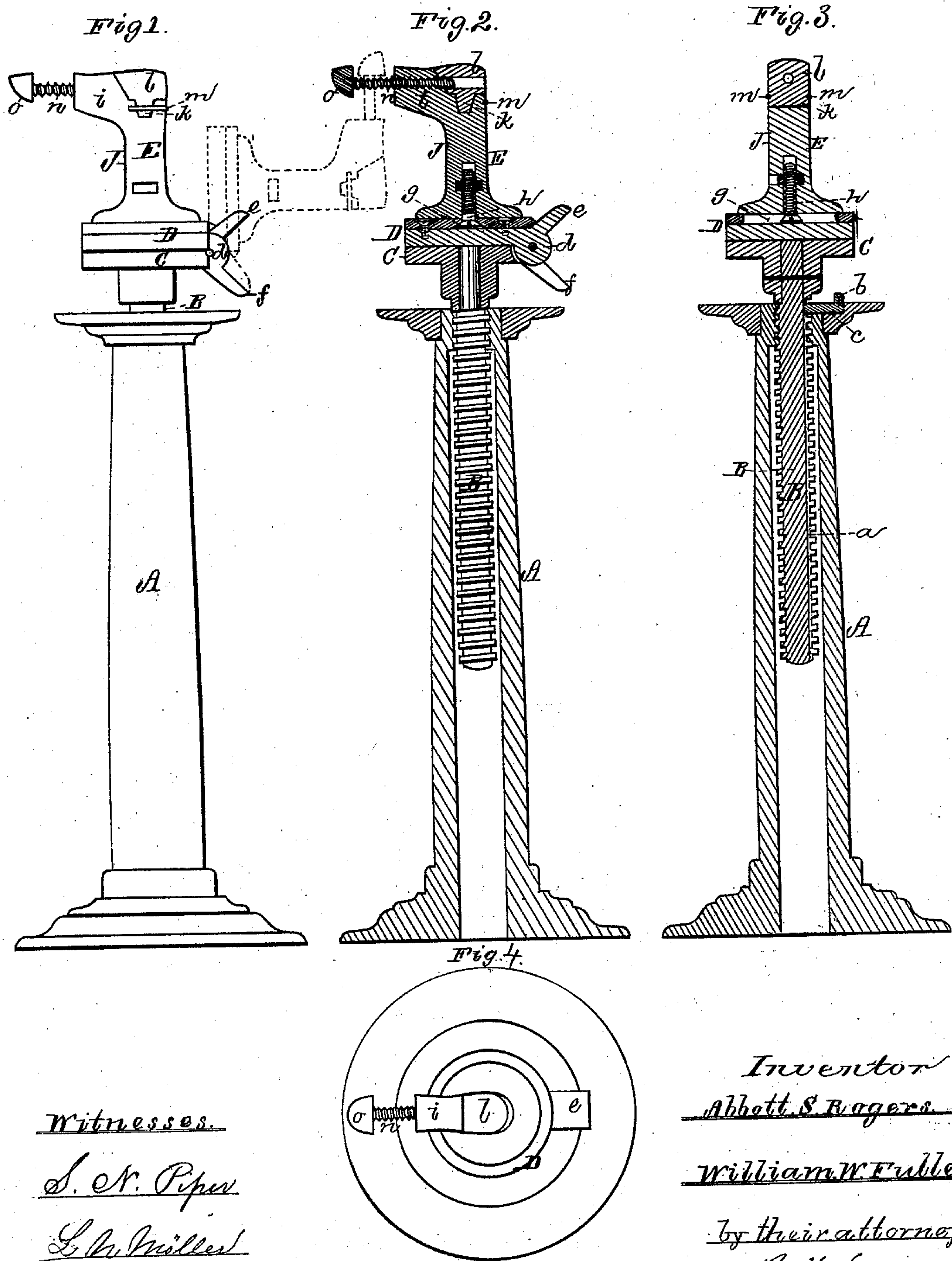


A. S. ROGERS & W. W. FULLER.  
Shoemaker's Jack.

No. 203,376.

Patented May 7, 1878.



Witnesses.

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# UNITED STATES PATENT OFFICE.

ABBOTT S. ROGERS AND WILLIAM W. FULLER, OF SALEM, MASS.

## IMPROVEMENT IN SHOE-MAKERS' JACKS.

Specification forming part of Letters Patent No. **203,376**, dated May 7, 1878; application filed October 24, 1877.

*To all whom it may concern:*

Be it known that we, ABBOTT S. ROGERS and WILLIAM W. FULLER, of Salem, of the county of Essex and State of Massachusetts, have invented a new and useful or Improved Shoe-Maker's Jack; and do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation, Figs. 2 and 3 vertical sections, and Fig. 4 a top view of it.

Our invention relates to or consists as follows: First, the jack-disk supporting the screw provided with a groove, in combination with a sustaining column having a socket and a gib thereto, to co-operate with the groove, as hereinafter explained; second, the combination of the jack with a column and screw, and with a cap and disk hinged together and furnished with ears or stops, all being substantially as set forth.

In such drawings, A denotes a tubular column, having screwed down into it a long screw, B, provided with a circular head or cap, C. This screw has a groove, *a*, made lengthwise in it to receive a gib, *b*, inserted in a socket, *c*, in the cap of the column A, as shown. This gib when in place in the groove and socket serves to prevent the screw from revolving in the column.

On removing the gib from the groove and socket and turning the screw one way, its cap and the parts supported by it may be raised in altitude, and, by reversing the movement of the screw, they may be correspondingly lowered.

A disk, D, hinged, as shown at *d*, to the cap C, is provided with a stop-ear, *e*, which extends upward from it at an angle of one hundred and thirty-five degrees to the bottom of the disk. The cap C also has such an ear, *f*, projecting down from it under the ear *e*, and arranged at a like angle to the top surface of the cap.

From this it will be seen that when the disk is resting on the cap, the two ears will be at a right angle to each other. They serve as stops to support the disk D when turned up into a vertical position, as shown in dotted lines in Fig. 1.

The disk D has a slot, *g*, made diametrically

in it, and dovetailed in transverse section to receive the head of a screw, *h*, whose shank extends upward from the slot into and is fixed in a short auxiliary post or column, E, provided with a shank projection or ear, *i*, as represented. The said column E at top is mortised entirely across it, to receive the tenon *k* of a removable heel-piece, *l*, which is held in place by a metallic yoke, *m*, sprung into a groove in the column and the ends of the tenon. On removing the heel-piece, one of a larger or smaller size may be substituted, as occasion may require.

A screw, *n*, having a head, *o*, to answer as a toe-piece to fit into the toe-part of a shoe, is screwed into the shank-projection *i*.

By revolving the toe-piece *o* and its screw, the former may be adjusted nearer to or farther from the shank-ear *i*, in order to accommodate the jack to shoes of different sizes. It is intended that each two revolutions of the toe-piece shall effect the variation of a size—that is to say, shall adapt the jack to a shoe one size larger or smaller, according as the toe-piece may be moved away from or toward the shank-ear.

The column E, the extension *i*, adjustable toe-piece *o*, and the removable heel-piece constitute what may be termed the jack J.

On a shoe being placed on the jack in such manner that the heel-piece, shank, shank-ear, and toe-piece shall be within the shoe and its insole be resting on their upper surfaces, such shoe will be properly supported for having its sole buffed or finished, or otherwise treated.

The column E may be revolved or moved laterally on its supporting-disk, or may be turned down into a horizontal position. While in such position it may be revolved, in order to enable a workman to conveniently gain access to the edges of the shoe or to the contiguous parts of the upper.

By having the column E so applied to its supporting-disk as to be capable not only of being revolved, but of being moved laterally or diametrically thereon, we have a means of readily adjusting the shoe to a heeling, nailing, pegging, or buffing machine, and of moving the shoe, as occasion may require, to bring such machine into action on different parts of the sole.

What we claim as of our invention in the above-described machine is as follows:

1. The jack-disk supporting-screw B, provided with the groove *a*, in combination with the column A, having the gib *b* and the socket *c* therefor, all being arranged as set forth.

2. The combination of the jack J with the column A and screw B, and with the cap C

and disk D, hinged together and furnished with ears *e f*, as described, all being arranged substantially as set forth.

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Witnesses:

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