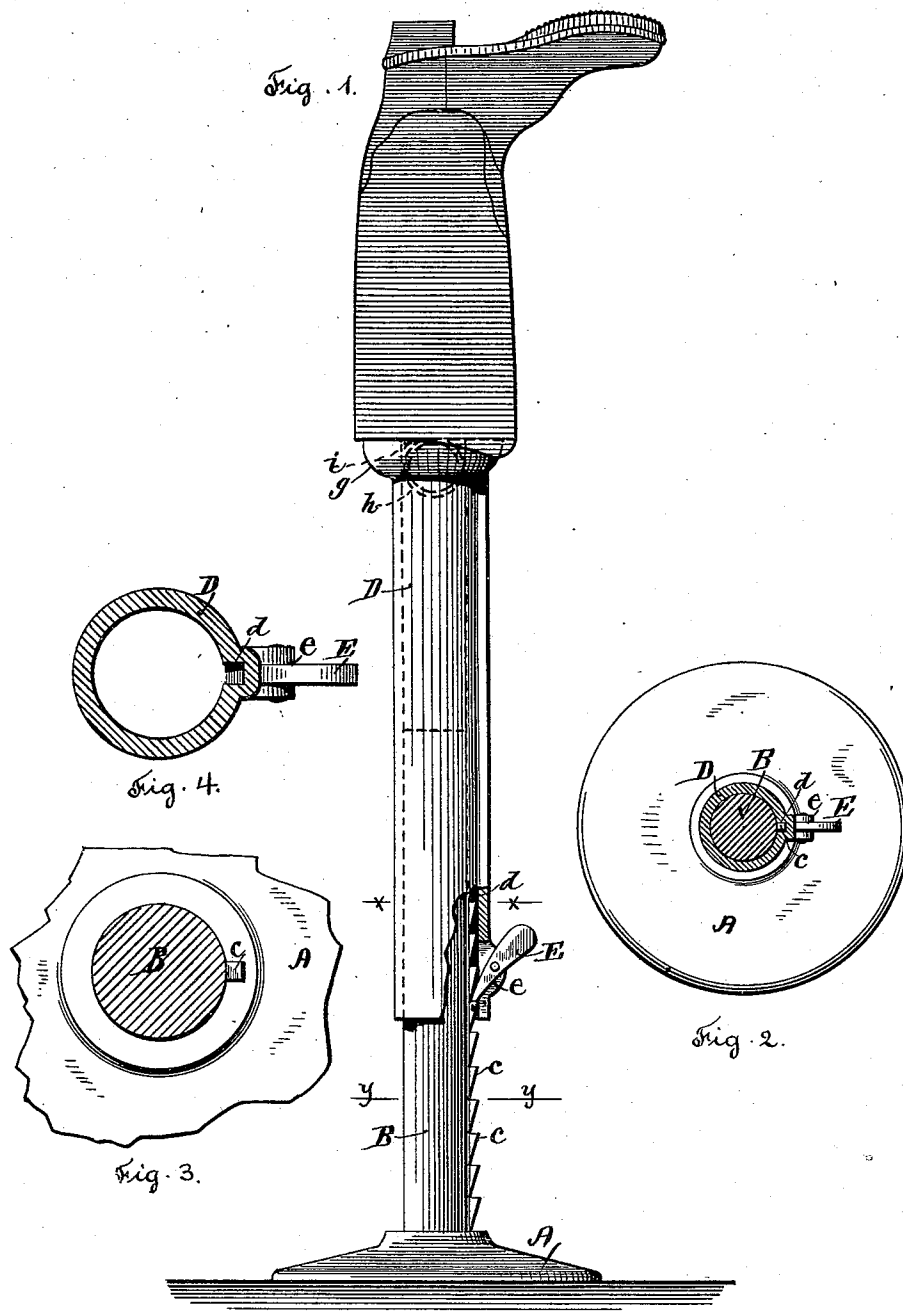


(No Model.)

J. F. O'BRIEN.
BOOT TREE REST.

No. 461,269.

Patented Oct. 13, 1891.



Witnesses

Chas. F. Schmelz.

James W. Brown

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UNITED STATES PATENT OFFICE.

JOHN F. O'BRIEN, OF BRISTOL, RHODE ISLAND.

BOOT-TREE REST.

SPECIFICATION forming part of Letters Patent No. 461,269, dated October 13, 1891.

Application filed February 28, 1891. Serial No. 383,276. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. O'BRIEN, a citizen of the United States, and a resident of Bristol, in the county of Bristol and State of Rhode Island, have invented a new and useful Improvement in Boot-Tree Rests, of which the following is a specification.

My invention relates to an improvement in boot-tree rests to be used in the manufacture of rubber boots of different sizes; and it consists in the improved construction of the same, whereby the desired ready adjustment may be made to accommodate boot-trees of different lengths, and the changeable supporting-blocks of wood as now employed may be dispensed with.

Heretofore in factories for the manufacture of rubber boots it has been the practice to provide for the workmen a number of wooden blocks of from twenty to twenty-eight inches in length and about six or seven inches square, to be used as occasion required to manufacture the size of boot desired. A large number of such blocks are required in each shop, and much time is often lost in hunting up the proper block for use in special cases, and in using such supporting-block the workman is required to spread his legs in order to avoid the block, and is thus caused to work in a strained and cramped position, which in some cases will produce very injurious effects, which objections are entirely avoided by the use of my invention.

Figure 1 represents an elevation of my improved boot-tree rest. Fig. 2 represents an enlarged transverse section taken in the line *x x* of Fig. 1. Fig. 3 represents an enlarged transverse section taken in the line *y y* of Fig. 1. Fig. 4 represents an enlarged transverse section taken in the line *x x* of Fig. 1.

In the accompanying drawings, A represents the base of the upright standard B, which is provided at one side with the ratchet-teeth C, the said standard extending upward within the sliding rest D, as shown by dotted lines. The sliding rest D is made hollow from end to end and loosely fits the standard B, and is provided interiorly at one side with the longitudinal groove *d*, which is adapted to receive the longitudinal row of ratchet-teeth C, and at a slot *e* in the lower end of the sliding rest D is pivoted the catch E, which is adapted to engage with the teeth C and thus hold the sliding rest D in its set position.

The boot-tree is provided with a ring *h*, (shown in dotted lines,) as usual in trees for the manufacture of rubber boots, the said ring being adapted to enter the opening *i* at the top of the rest D, and the spreading-head *g* of the same serves to form a proper support for the flat bottom of the tree.

When the workman passes from one style of boot to another, he has simply to adjust the height of the rest D by moving the catch E to the proper notch on the standard B.

I claim as my invention—

The combination, with the supporting-standard B, provided with a base A and having the longitudinal row of teeth C, of the sliding rest D, provided with a central opening adapted to receive the standard B and the ring of the boot-tree, a groove *d*, adapted to receive the teeth C, the spreading-head *g*, and the pivoted catch E, which is adapted to engage with the teeth C to hold the sliding rest in its set position, substantially as described.

JOHN F. O'BRIEN.

Witnesses:

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