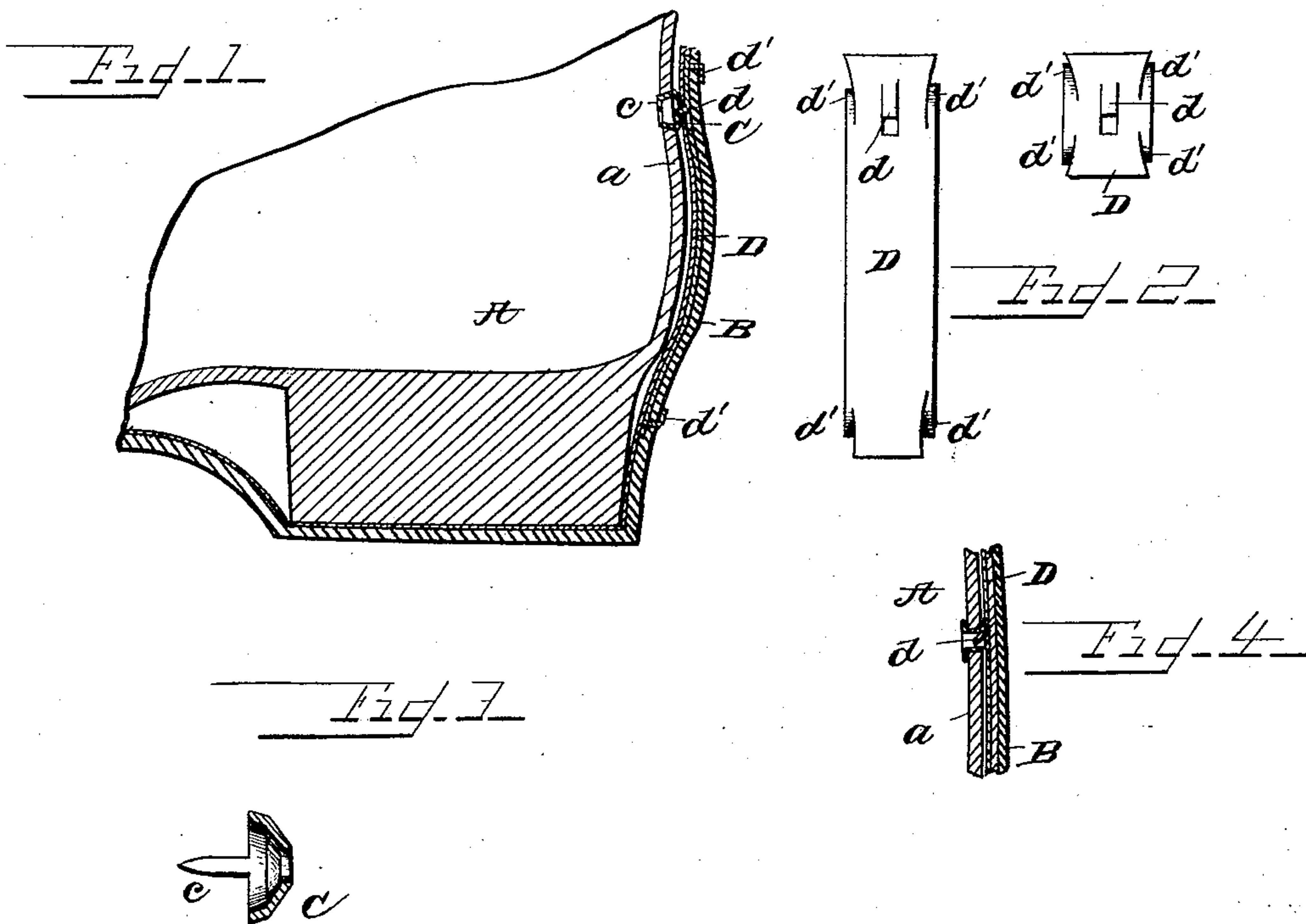


(No Model.)

F. S. HAND & E. RICHARDSON.
FASTENING FOR RUBBER SHOES.

No. 407,525.

Patented July 23, 1889.



Witnesses

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UNITED STATES PATENT OFFICE.

FURMAN S. HAND AND EZRA RICHARDSON, OF FLANAGAN, ILLINOIS.

FASTENING FOR RUBBER SHOES.

SPECIFICATION forming part of Letters Patent No. 407,525, dated July 23, 1889.

Application filed April 10, 1889. Serial No. 306,703. (No model.)

To all whom it may concern:

Be it known that we, FURMAN S. HAND and EZRA RICHARDSON, citizens of the United States, residing at Flanagan, in the county of Livingston and State of Illinois, have invented certain new and useful Improvements in Fastenings for Rubber Shoes; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to fastenings for rubber shoes; and it consists in certain peculiar features of construction, which will be hereinafter fully described.

In the drawings we have illustrated two forms in which we have contemplated embodying our invention, and it is fully disclosed in the following specification and claims.

In the drawings, Figure 1 represents a partial section of a shoe and rubber shoe, showing the fastening devices applied thereto. Fig. 2 shows two forms of one of the fastening devices. Fig. 3 is an enlarged view of the retaining device. Fig. 4 is a sectional view showing a slight modification of one of the fastening devices.

In the drawings, A represents a portion of the inner shoe, and B a portion of the inclosing rubber shoe. The counter *a* of the inner shoe is provided with a retaining device, which consists of a cup-shaped portion C, having a central aperture and provided with suitable projections or points *c*, which are passed through the counter of the shoe and riveted or bent down to secure the part C in place. The rubber shoe is provided with a plate D, which is preferably located between the lining and the main portion of the shoe, consisting of a plate of any desired size or shape provided with a projecting tongue *d*, and secured in position by any preferred means, preferably by the projections or points *d'* *d'*, which may be passed through the shoe and bent down or clinched. The tongue *d*

and points *d'* *d'* can be struck up from the metal plate D, thus securing a very cheap construction. The tongue *d* is so located that when the shoe B is drawn over the inner shoe the tongue will enter the aperture in the eyelets C and hold the shoe B in position, effectively preventing accidental displacement. The tongue *d* preferably extends downwardly, so as to prevent it from leaving the aperture in the part C.

In Fig. 4 we have shown the counter *a* as provided with an eyelet of ordinary construction adapted to be engaged by the tongue *d* in the manner just described.

We prefer to make the plate F of considerable length and of such shape that it will form a spring to hold it in engagement with the staple E, and the upper portion of said plate is preferably curved to provide a smooth surface.

When it is desired to remove the shoe B, the plate D or F is disengaged from the retaining device, and the shoe removed in the usual manner.

What we claim, and desire to secure by Letters Patent, is—

1. A fastening device for rubber shoes, consisting of a cup-shaped retaining device provided with an aperture and clinching-points, whereby it is secured to the inner shoe outside of the same, and a plate attached to the outer shoe and having a projection adapted to engage the aperture of the retaining device, substantially as described.

2. The fastening-plate provided with clinching-points and tongue *d*, in combination with a retaining device having an aperture to receive said tongue, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

FURMAN S. HAND.
EZRA RICHARDSON.

Witnesses:

E. LITCHFIELD,
O. J. RICHARDSON.