

(No Model.)

J. SCHOONMAKER.
SHOE FASTENING.

No. 421,321.

Patented Feb. 11, 1890.

Fig. 2.

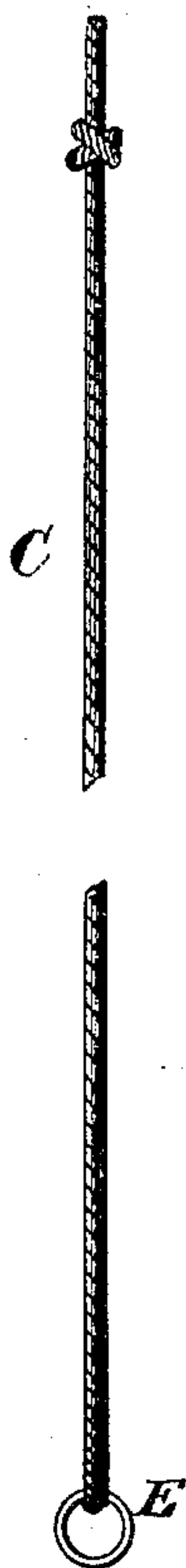


Fig. 1.

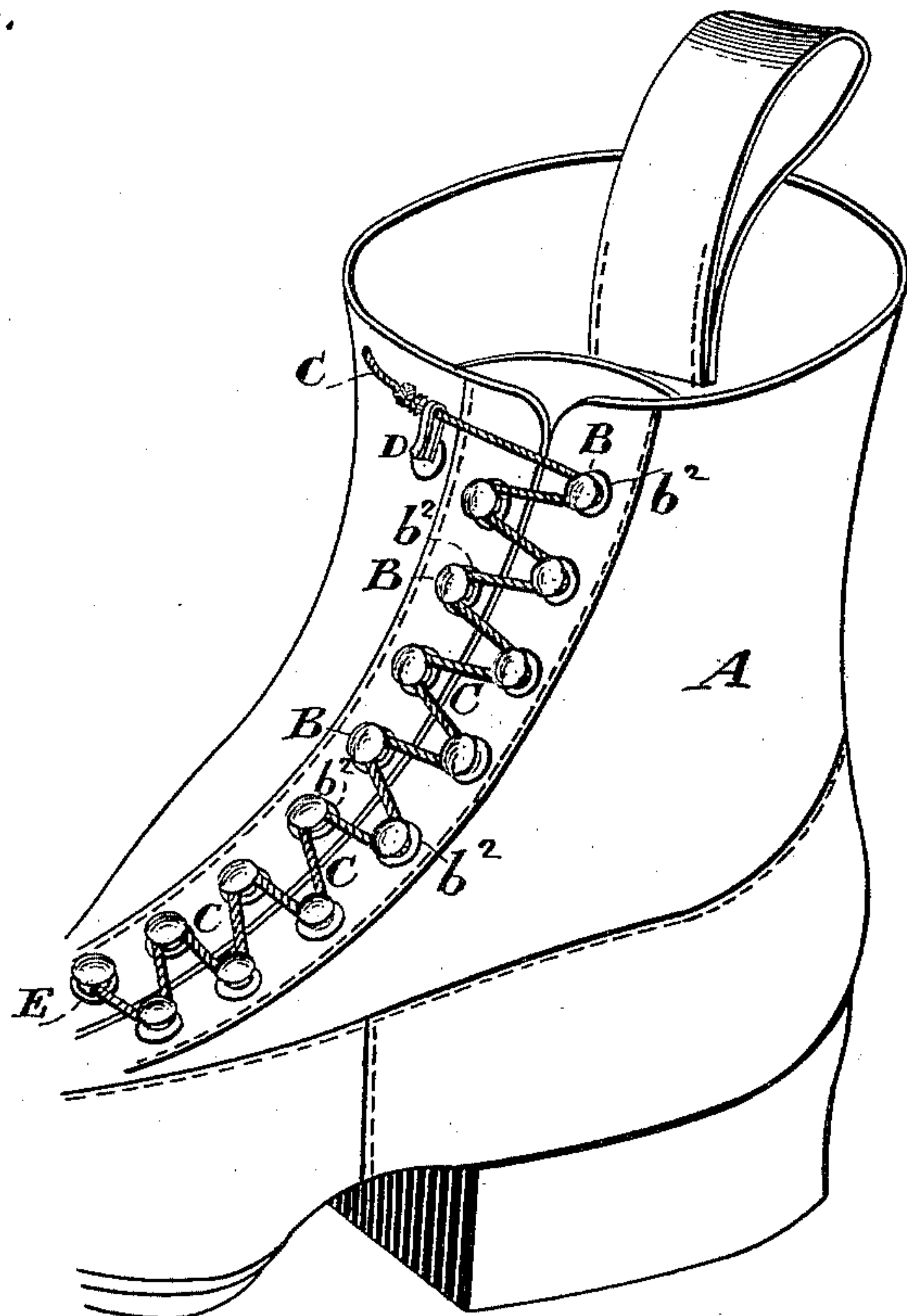


Fig. 3.

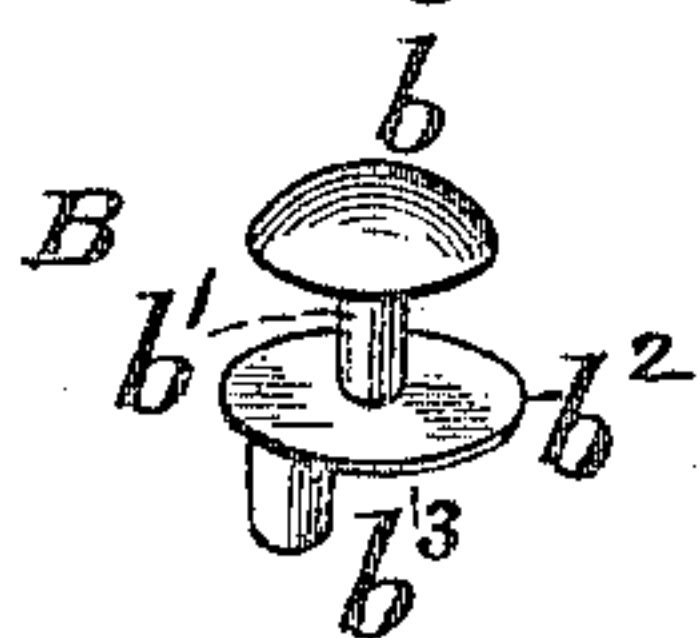
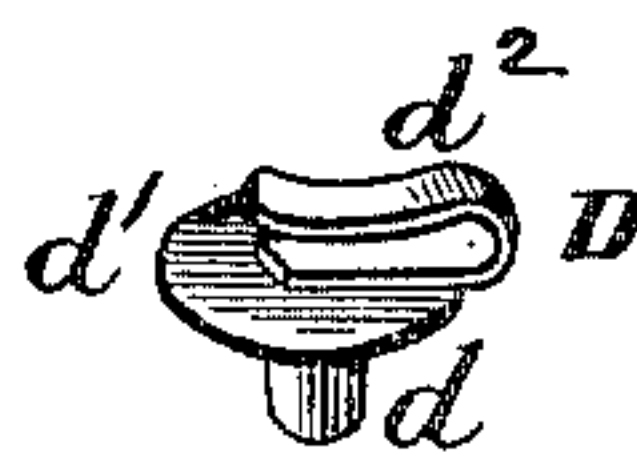


Fig. 4.



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JOHN SCHOONMAKER, OF HONESDALE, PENNSYLVANIA.

SHOE-FASTENING.

SPECIFICATION forming part of Letters Patent No. 421,321, dated February 11, 1890.

Application filed August 7, 1889. Serial No. 320,052. (No model.)

To all whom it may concern:

Be it known that I, JOHN SCHOONMAKER, a citizen of the United States, residing at Honesdale, in the county of Wayne and State of Pennsylvania, have invented certain new and useful Improvements in Shoe-Fastenings; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The invention relates to zigzag lace-fastenings for shoes, and will be first particularly described in connection with the drawings, and then clearly pointed out in the claim.

Figure 1 of the drawings is a perspective view showing my invention applied; Fig. 2, a detail view of the lace knotted at one end and provided with a snap-ring at the other; Fig. 3, a detail perspective view of the button; Fig. 4, a similar view of the hook-fastener.

In the drawings, A represents a shoe, and B the buttons arranged thereon in alternating position for a zigzag run of the lace C.

D is the device on which the knotted end of the lace is secured, as shown in Fig. 1 of the drawings, and E the snap-ring on the other end of the lace for slipping over the lowest button on the shoe.

The button B is constructed with the round head *b*, to prevent the lace from working off, the central shank *b'* to take the strain of the

lace and hold it in place, the stop-plate *b²* to fit on the outside of the leather, and the eyelet *b³*, which is arranged on one side of the center of the plate *b²*.

The fastener D consists of the eyelet *d*, by which it is secured to the leather, the disk *d'*, which rests on top of the leather, and the hook *d²*, which is formed with a deep narrow cavity for the reception of the lace C. The eyelets on button and hook pass through the leather and are upset on the under side in the usual way.

I am aware that lacing-studs have been made with a spherical head having a circular hole, also with an eyelet under a hook-head; but I only desire to secure protection on the particular construction of my lacing stud or button, and the way in which I combine the ring, lacing-stud, and fastener with the lace.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A lace-fastening shoe-button B, consisting of the concentric head and stop-plate *b b²*, the central connecting-shank *b'*, and the eyelet *b³*, arranged eccentrically on the under side of plate *b²*, as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN SCHOONMAKER.

Witnesses:

J. M. BAUMAN,
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