

No. 662,519.

Patented Nov. 27, 1900.

S. BEACH.  
SHOESTRING FASTENER.

(Application filed June 14, 1900.)

(No Model.)

FIG - 1 -

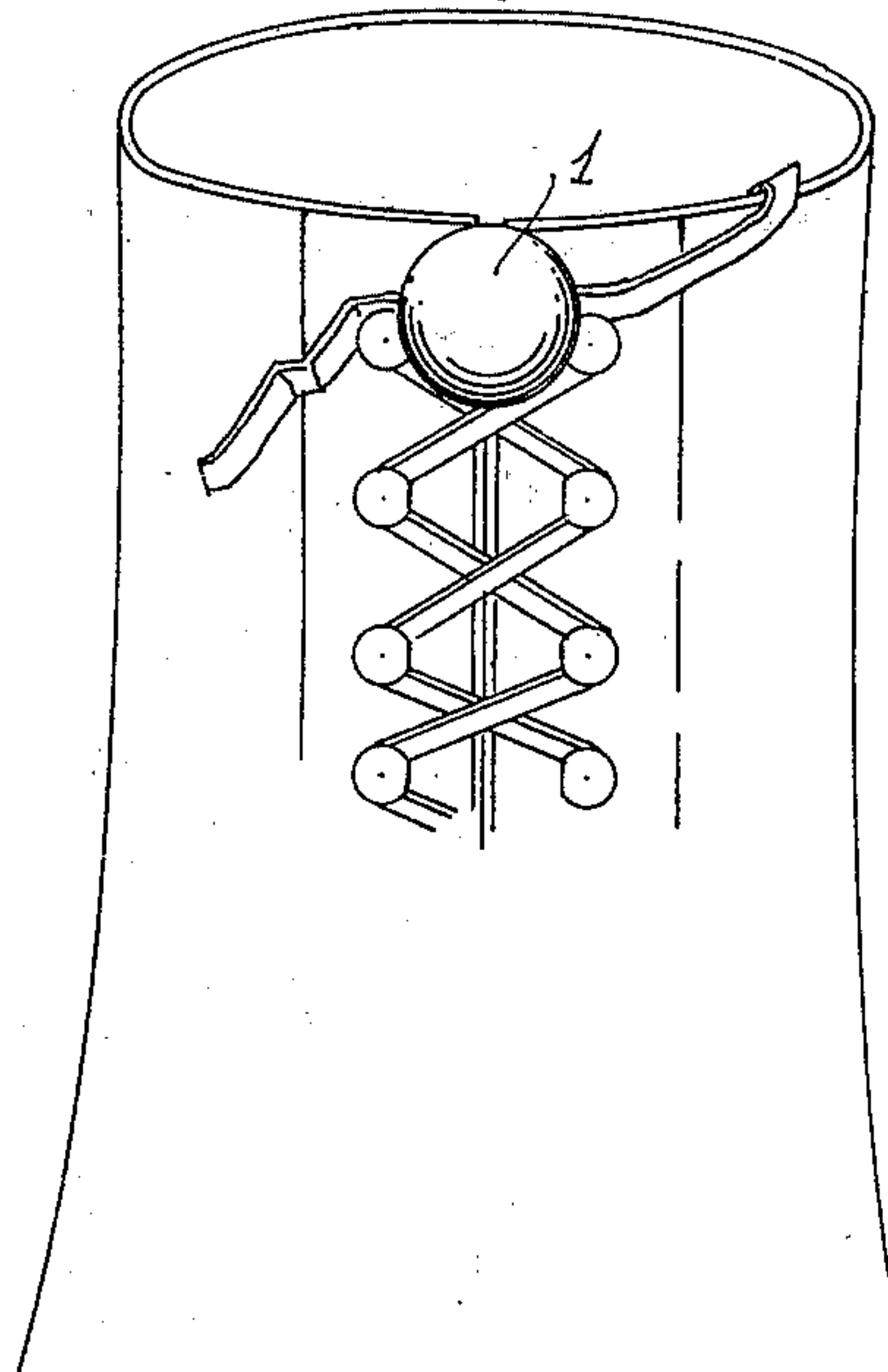


FIG - 4 -

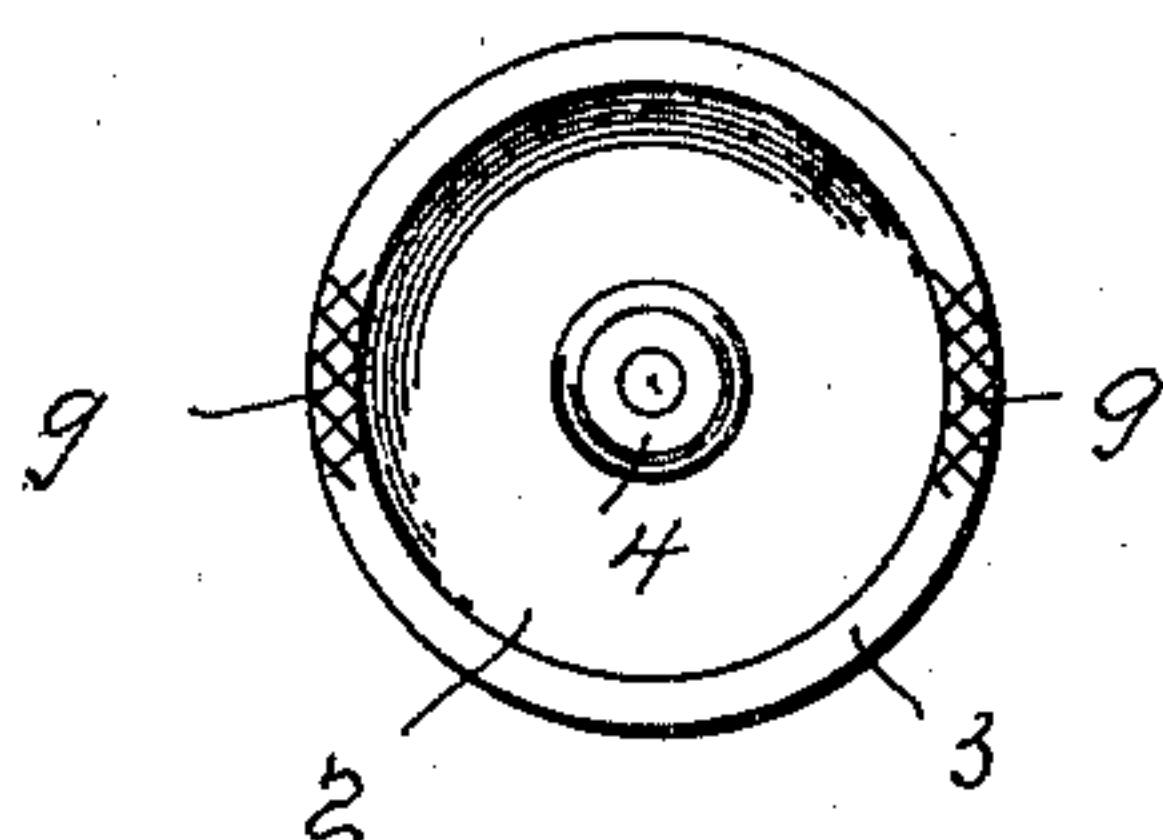


FIG - 2 -

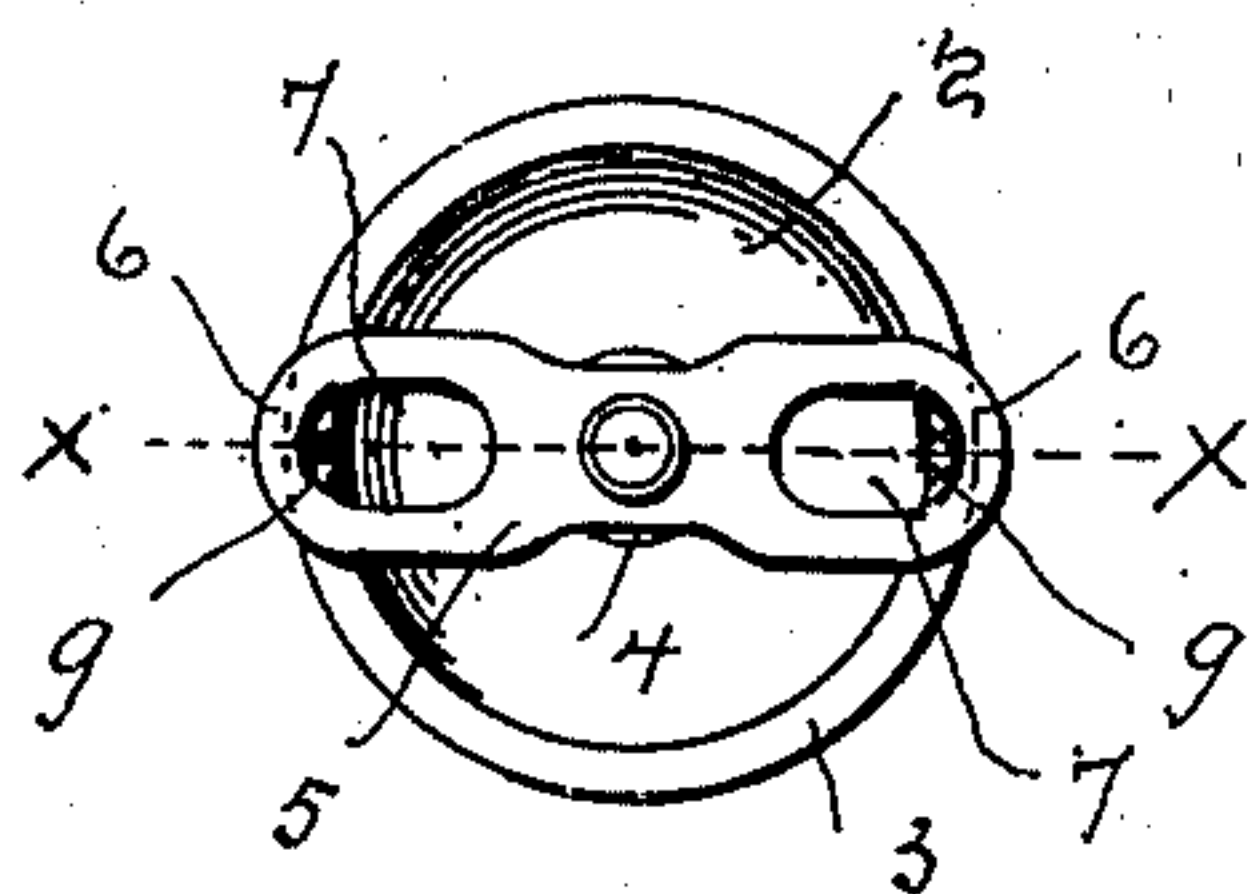
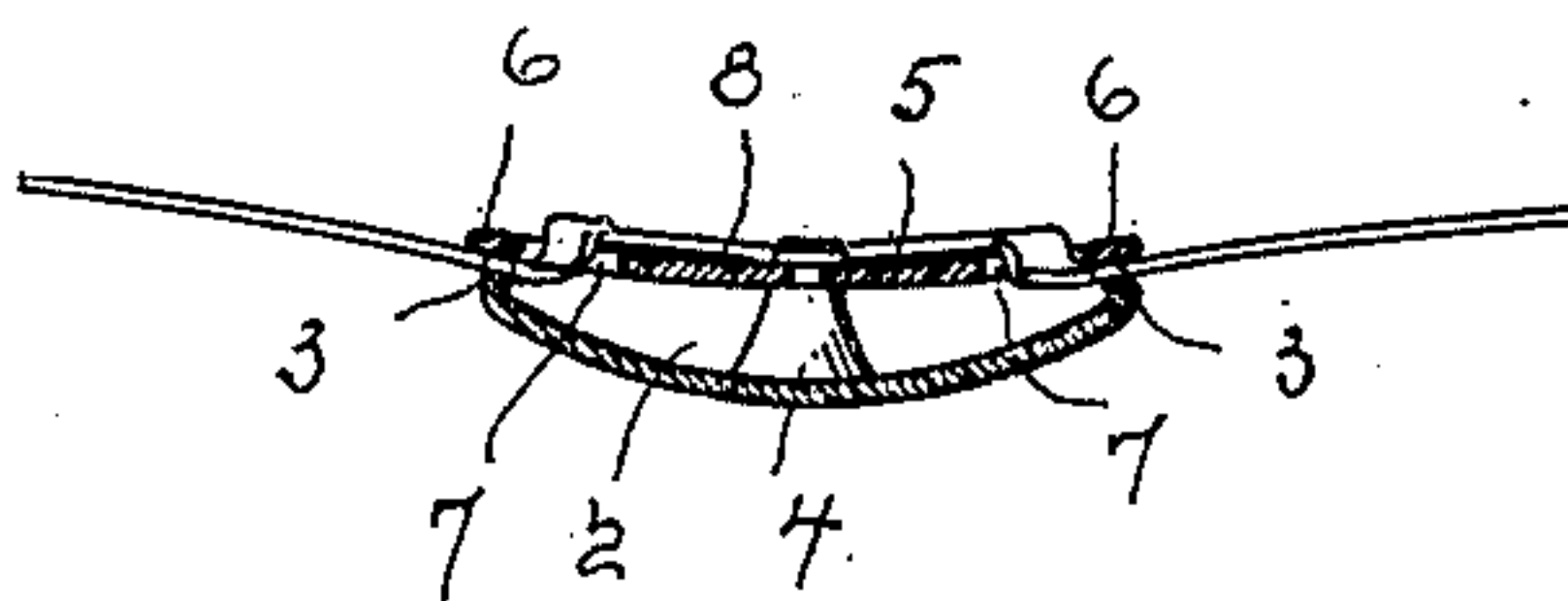


FIG - 3 -



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# UNITED STATES PATENT OFFICE.

SETH BEACH, OF TOLEDO, OHIO.

## SHOESTRING-FASTENER.

SPECIFICATION forming part of Letters Patent No. 662,519, dated November 27, 1900.

Application filed June 14, 1900. Serial No. 20,282. (No model.)

*To all whom it may concern:*

Be it known that I, SETH BEACH, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have  
5 invented a new and useful Improvement in Shoestring-Fasteners, of which the following is a specification.

My invention relates to a shoestring-fastener, and has for its object to provide a device for such purpose which is adapted to  
10 readily secure the strings after lacing by simply drawing the strings through the fastener until they are as tight as desired and that is as readily unfastened by drawing the fastener.

15 I accomplish the object of the invention as hereinafter described, and illustrated in the drawings, in which—

Figure 1 is a view showing the manner of application of my fastener. Fig. 2 is a reverse plan view of the fastener. Fig. 3 is a cross-section on the line  $x x$  of Fig. 2 and Fig. 4 is a plan view of the fastener with the  
20 spring-bar removed and showing the diametric opposite serrations formed on the rim.

25 In the drawings, 1 is the body portion of the fastener, preferably made button-shaped, of any desired design as to its outer face, but shown in the drawings in the ordinary convex form. The reverse side is provided  
30 with a cavity 2, preferably by concaving the body portion, and with a rolled rim 3, and within the cavity, integral with or secured to the body portion 1, is a stem 4, projecting axially therefrom.

35 Diametric to the rim 3 is provided a spring-bar 5, having its ends 6 resting on the rim and provided with orifices 7 to receive the lacing and having its body portion 8 flexed inward and secured to the outer end of the  
40 stem 4, whereby the ends 6 of the bar 5 are compressed upon the rim 3. The portions of the rim 3 contacting with the ends of bar 5 are preferably provided with serrations 9.

To apply the fastener to a shoe-lacing, the  
45 ends of the lacing are each inserted through one of the orifices 7 from the outer side of the bar 5 and thence between the adjacent end of the bar and the rim 3. The shoe may then be laced in the ordinary manner and the  
50 surplus of the lacing taken up and the shoe tightened by grasping the ends of the lacing and drawing the surplus through the fastener-

bar. When the lacing is tightened, the tension of the spring compresses the lacing upon the rim, whereby the lacing is secured against  
55 reverse movement. By providing the rim with serrations 9 the lacing is more securely held. To unlace the shoe, by grasping the body portion of the fastener and pulling it outwardly the tension of the spring is overcome and the ends of the spring-bar are released from the rim, and the lacing is thereby  
60 pulled through the bar until the ends thereof again approach the fastener sufficiently to allow the shoe to be unlaced.

To prevent the fastening from becoming detached from the lacing in the operation of unlacing, the lacing ends after being inserted through the orifices of the bar may be provided with any suitable enlargements or stops.  
65 70

It is apparent that my invention can be advantageously used to secure lacing-strings for other purposes, and I therefore do not restrict myself in its application to shoe-lacings alone.

What I claim is—

1. In a shoestring-fastener, the combination of a button, convexed upon its face and concaved upon the reverse side to form a cavity, and provided with an inwardly-rolled rim, a stem axial to the button and projecting outward from the cavity, a spring-bar diametric to the button, having its ends provided with orifices and resting upon the rim of the button, with the central body portion flexed toward the stem and secured to the end thereof.  
75 80 85

2. In a shoestring-fastener, the combination of a button provided with a cavity upon its rear face and a rim around the cavity, a button-stem central to the cavity and projecting axially to the rim to a distance within the cavity, a spring-bar diametric to the rim, having its ends provided with orifices and resting upon the rim of the button, with the central body portion flexed toward the stem and secured to the end thereof, and serrations  
90 95 formed upon the rim at the points of contact of the spring-bar, substantially as and for the purpose shown and described.

Toledo, Ohio, June 11, 1900.

SETH BEACH.

In presence of—

R. L. CONE,

D. W. MOOR, Jr.