

(No Model.)

R. G. LEWIS.  
BUTTON ATTACHING DEVICE.

No. 342,022.

Patented May 18, 1886.

FIG. I.

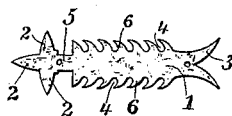


FIG. II.

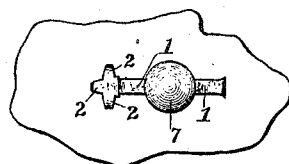


FIG. III.

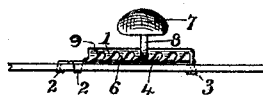


FIG. IV.

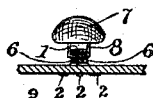
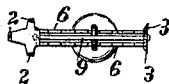


FIG. V.



*Attest:*

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# UNITED STATES PATENT OFFICE.

RICHARD G. LEWIS, OF CHILLICOTHE, OHIO.

## BUTTON-ATTACHING DEVICE.

SPECIFICATION forming part of Letters Patent No. 342,022, dated May 18, 1886.

Application filed September 30, 1885. Serial No. 178,653. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD G. LEWIS, a citizen of the United States, residing at Chillicothe, in the county of Ross and State of Ohio, have invented certain new and useful Improvements in Button-Attaching Devices, of which the following is a specification.

My present improvements relate to those fastening-plates which are applicable to shoes, gloves, or other similar articles in which it is desirable to enable the adjustment of the button in a direction at right angles to the line dividing the two flaps of the upper or other part. Such adjustment is desirable not only to enable the button to be tightened after the lid has been slipped over it in the customary use of the shoe or glove, but also for the occasional setting back of the button, to allow for the stretching of the leather or other material of which the shoe or other article is made.

My invention particularly consists in a bar adapted to be fixed to the shoe-upper or other part at its ends, and formed with a line or series of notches or teeth, with which the eye or stirrup of the button engages, the button being threaded on the bar before its application to the article, and the bar extending over the latter, to permit the eye or loop of the button to pass from end to end of the body portion during the adjustment of the button.

In order that the invention may be better understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure I is a plan of a blank adapted to be bent into the form required for making the button-attaching bar or plate. Fig. II is a plan showing the button applied to the shoe-upper. Fig. III is a side elevation of the same. Fig. IV is a transverse section thereof. Fig. V is a view of the fastening from the under side, showing the device with button ready to be applied to an article.

1 represents the blank, made with a number of sharpened projections, 2 3, at each end. Preferably three of the projections are provided at one end and one or two at the other, as hereshown. A number of notches, 4, are made in one or both sides of the blank. The sides are then bent down into U or horseshoe form. The neck 5 is also bent so that its lower end

will be approximately on a level with the teeth 6 of the blank, and the attachment is then in readiness, after the button is slipped over the end 3, to have its points 2 3 driven into the leather and clinched in customary manner. The sides of the blank are preferably bent to a U form—that is to say, the form in which they are approximately perpendicular to the back or main body of the blank—and the button 7 is provided with an eye or stirrup, 8, preferably of square form, as shown in Fig. IV.

9 is a plate or wire spring fixed to the ends of the bar or plate 1, or fixed at one end thereof, and capable of moving longitudinally at the other end. This spring aids, by covering the exit of each of the notches 4, in preventing the eye of the stirrup from escaping from any notch in which it has been placed. The spring, however, may be dispensed with, if desired, and the pressure of the leather upper then depended upon for effecting this purpose.

It will be seen that after the application of the attachment to the shoe-upper or other part the button, by being depressed, can be readily slipped from one notch to another, and thus be tightened to any desired extent.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A blank for a button-attaching device, consisting of a body, 1, lines of teeth 6 at the sides of the body, neck 5, and lips 2 at one end of the body, and lips 3 at the other end of the body, substantially as set forth.

2. A button-attaching device consisting of a bar or plate having means of attachment to the shoe-upper or other part at its ends, and its body portion formed with a line or series of notches or teeth for retaining the button to any desired position, substantially as set forth.

3. In combination with an elongated bar or plate adapted to be fixed at its ends to a shoe-upper or other part, a button threaded thereon and means for retaining said button to any desired position of the body, substantially as set forth.

4. In combination with a bar or plate having a series of recesses or notches and means of attaching same to the shoe-upper, a button having an eye or stirrup surrounding said bar or plate, and retained by said recesses or

notches in any desired position, substantially as set forth.

5 5. In combination with a button-attaching bar or plate recessed or notched substantially as described, a button having an eye or stirrup surrounding said bar or plate and a spring adapted to retain the button in any position to which it has been set, substantially as described.

10 6. In combination with an elongated bar or plate having approximately parallel sides and a series of notches or teeth on its under surface, a button having an enlarged rectangular

eye or stirrup surrounding said bar, substantially as set forth.

15 7. In combination with a button, an elongated bar having a series of notches or teeth for retaining said button, and arms or points at each end adapted to be passed through the shoe-upper or other part and bent down to retain the fastening in place, substantially as set forth. 20

RICHARD G. LEWIS.

Witnesses:

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OCTAVIUS KNIGHT.