C. M. PLATT.

SHOE-FASTENING.

No. 181,979. Patented Sept. 5, 1876.

Fig: 1.

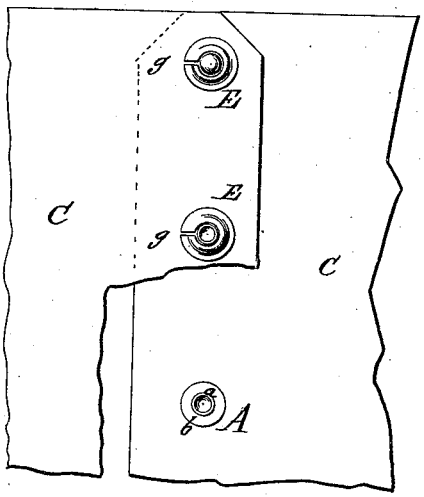
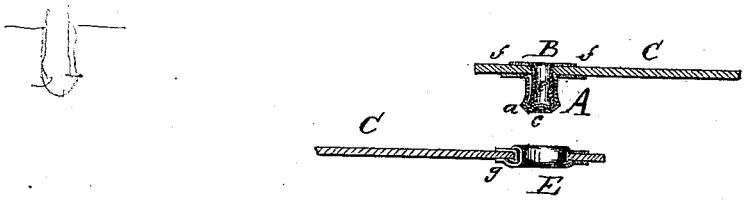


Fig: 2



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UNITED STATES PATENT OFFICE.

CLARK M. PLATT, OF WATERBURY, CONNECTICUT.

IMPROVEMENT IN SHOE-FASTENINGS.

Specification forming part of Letters Patent No. **181,979**, dated September 5, 1876; application filed July 24, 1876.

To all whom it may concern:

Be it known that I, CLARK M. PLATT, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Fastenings for Shoes, Gloves, &c.; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, making part of this specification.

This invention is in the nature of an improvement in fastenings for shoes, gloves, and other similar articles of wearing apparel, or otherwise; and the invention consists in a tubular stud, constructed with an enlarged end and flanged base, combined with a tubular eyelet, which passes into the tubular stud, and having its inner end spread into the enlarged end of the tubular stud, (by which means the stud is attached to a shoe or glove.) when combined with an eyelet having a slot, all constructed and arranged substantially as hereinafter described.

In the accompanying sheet of drawings, Figure 1 is plan view, showing the stud and eyelet secured to a garment, and also showing the manner of securing the garment by means thereof; Fig. 2, a section, showing the attachment of the stud and eyelet to the garment.

Similar letters of reference indicate like parts in both figures.

A represents the stud, with an enlarged head, *a*, and a flange, *b*. This stud is tubular, as shown in Fig. 2, and the enlargement of the head *a* may be produced by indenting the end of the stud, as at *c*, or the enlargement may be formed in any desirable manner. The flange *b* is formed at right angles to the shank of the stud, and the stud in this way constructed is placed upon the surface of the fabric to which it is to be attached, a hole having been punched through the fabric, through which is inserted a tubular eyelet, B. This tubular eyelet consists of a shank, *e*, and a flange, *f*, at right angles to it.

To secure the stud to the fabric C the shank of the tubular eyelet B is inserted in a hole punched through the fabric, and passes into the interior of the tubular stud A, when, by a suitable compress applied to the flange *f* of the eyelet B, and the end of the stud, the inner end of the tubular shank *e* of the eyelet is spread into the enlarged head *a* of the tubular stud, effectually riveting and holding the eyelet to the stud, and clamping the fabric between the under side of the flange of the tubular eyelet, and the outer surface of the flange of the tubular stud.

This attachment of the stud is designed to be effected on one side of the opening of a glove, shoe, or other similar article, and to the other side of the opening is affixed an eyelet, E. This eyelet may be of any suitable construction, provided the continuity of its annulus is interrupted, as will be hereinafter shown, and also providing it has sufficient flange-surface, when affixed on both sides of the fabric to which it is attached, to keep it firmly in position. The eyelet does not form a complete annulus, but has a slot, *g*, cut into it, breaking the continuity of the annulus. This eyelet is secured to the fabric by punching a hole therein, passing the shank of the eyelet through the hole, and upsetting the end of the shank to form a flange, as in the application of ordinary eyelets; or it may be secured in any other desirable way. In all cases, however, the slot or opening *g* must be made through both flanges and the shank of the eyelet.

The eyelet and stud being now in position on opposite sides of the opening of the garment to which they are attached, to secure the sides of the opening it is simply necessary to pass the opening in the eyelet E over the end of the stud A, and press the eyelet over the stud, when the eyelet, by reason of the slot *g* formed therein, will spring open sufficiently to permit the enlarged head *a* of the stud to pass through the eyelet E, and the head, having passed through the eyelet, will again contract below the enlarged head, confining the eyelet to the stud until it is desired to remove it, which is accomplished by pulling the fabric with the eyelet upon it directly upward, when the eyelet will again spread and permit the head of the stud to pass through it.

Although this unfastening is easily accomplished when a direct upward strain is brought

to bear on the eyelet E, yet when the fabric to which the eyelet and stud are attached is supported on a slight curve, as when on the hand or foot, no ordinary horizontal strain will separate the eyelet from the stud when once placed in position as a fastening.

Having now described my invention, what I claim as new, and desire to secure by Letter Patent, is—

1. A fastening for shoes, gloves, &c., consisting of a tubular stud, secured to the fabric by a tubular rivet, and combined with an eyelet with a slot formed therein, as and for the purpose described.

2. In a fastening for shoes, gloves, &c, an eyelet with a slot breaking the continuity of the annulus formed by the flanges and shank of the eyelet, as and for the purpose described.

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