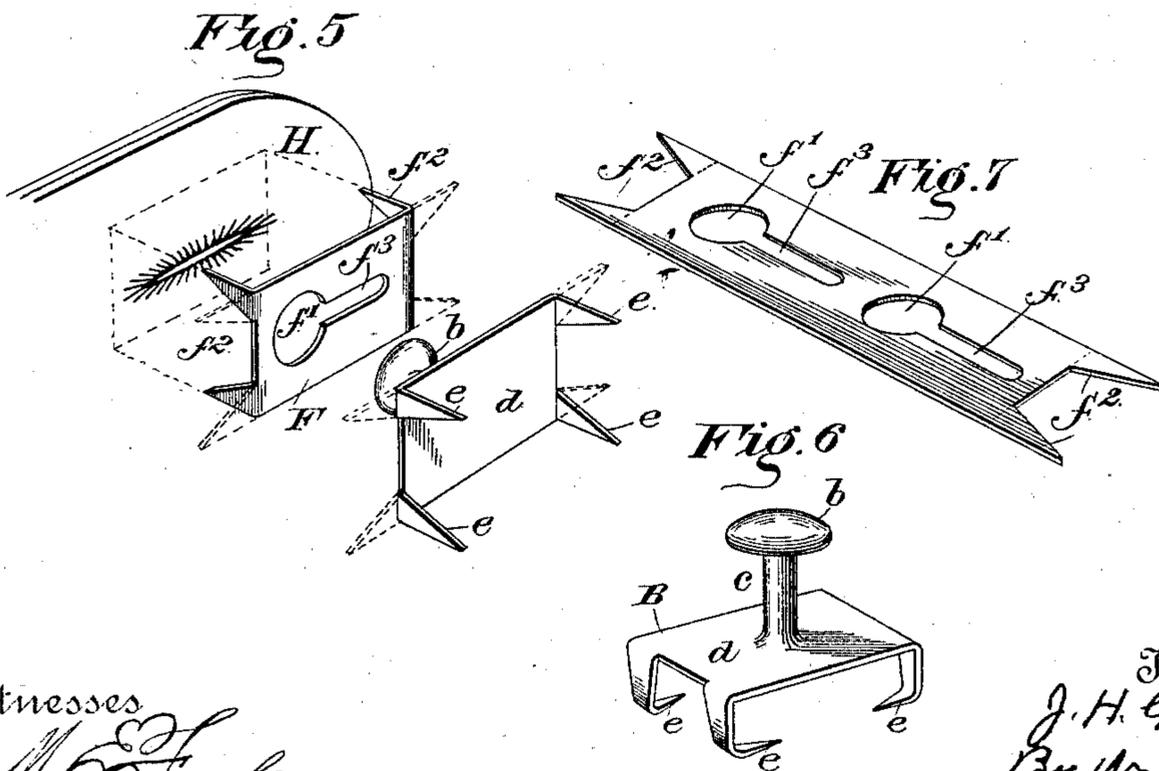
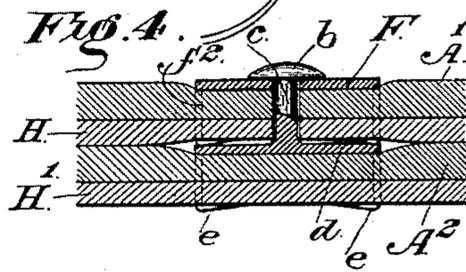
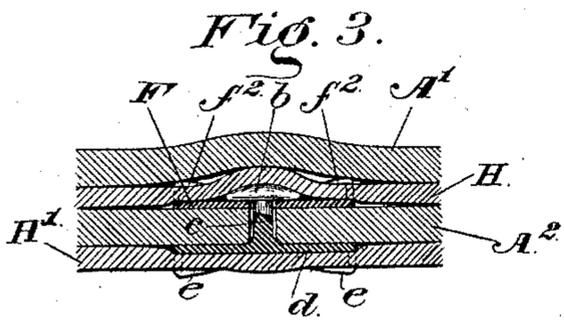
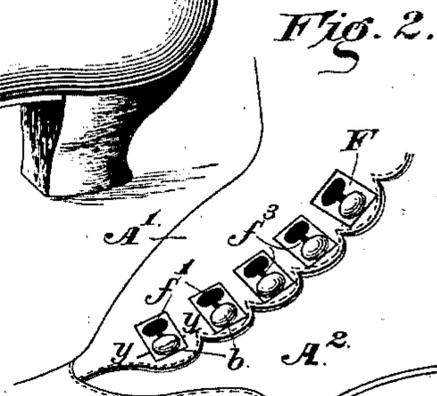
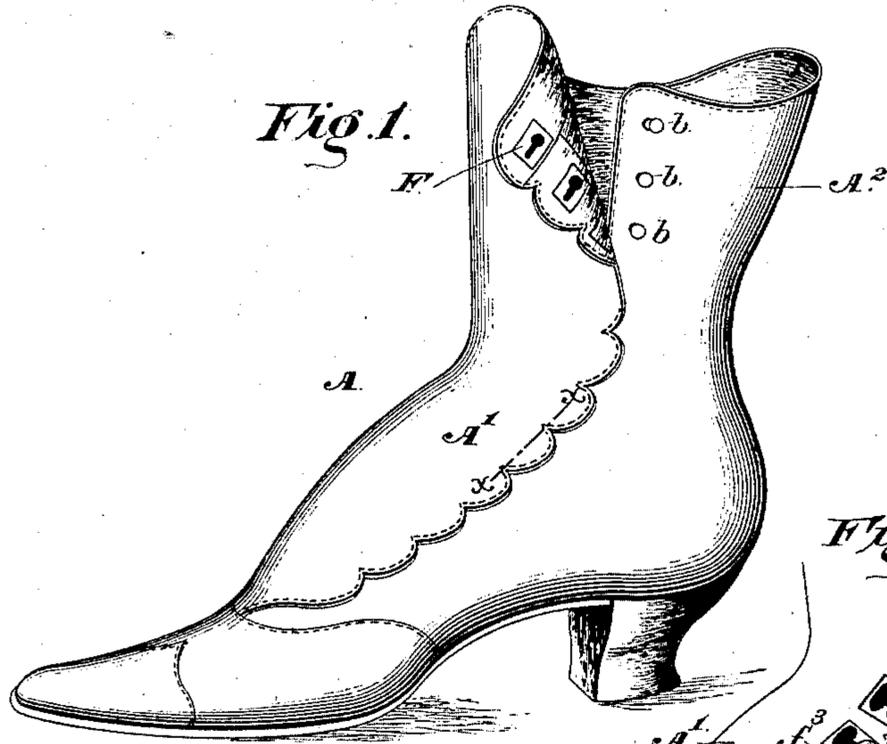


(No Model.)

J. H. GUNN.  
SHOE FASTENING.

No. 509,802.

Patented Nov. 28, 1893.



Witnesses  
*M. Fowler*  
*C. K. Davies.*

Inventor  
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Attorney

# UNITED STATES PATENT OFFICE.

JOSEPH H. GUNN, OF McLEAN, NEW YORK.

## SHOE-FASTENING.

SPECIFICATION forming part of Letters Patent No. 509,802, dated November 28, 1893.

Application filed February 18, 1893. Serial No. 462,869. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH H. GUNN, residing at McLean, in the county of Tompkins and State of New York, have invented certain new and useful Improvements in Shoe and Similar Fastenings, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to shoe fastenings and is applicable also to glove fastenings and the like.

The object of the invention is to produce metallic shoe fastenings which may be applied to the shoe in such manner that the shoe may be held with all the strength of the metal, yet which shall be readily detachable. Also to produce metallic fastenings which may be concealed within the flap of the shoe, or may be applied to the outside of the shoe, as desirable. Also to produce a shoe having metallic fastenings applied thereto as described, so as to secure the holding strength of the metal.

Figure 1 is a perspective view of a gaiter with button hole clips applied in such manner as to produce a "blind" or concealed closing of the flap. Fig. 2 is a broken detail of the same shoe with button hole clips applied externally of the shoe. Fig. 3 is a section on line  $x, x$ , Fig. 1. Fig. 4 is a section on line  $y, y$ , Fig. 2. Fig. 5 is a detail showing in perspective a part of the shoe, and the button hole clip, and indicating one manner of attachment. Fig. 6 is a perspective of the button or stud and its shank and plate. Fig. 7 is a modification.

A represents a gaiter, which may be of usual construction in most parts. At the quarter of the vamp the buttons or studs, B, are attached. These buttons or studs have heads  $b$ , shanks  $c$ , and attaching plates  $d$ , provided with sharp extensions or pins  $e$ , which may be turned either up or down and clinched into any leather or fabric to which the button or stud may be attached. The stud and shank may be integral with the plate, or riveted thereto.

The button hole clip or catch, F, consists of a thin plate of metal having one or more key holes  $f'$  therein. The plate has pins or points

$f^2$  which may be clinched into the leather or fabric of a shoe or glove.

As shown in Figs. 1 and 3, the clips F are applied to the inside of the lining or facing H of the gaiter, and the pins  $f^2$  are clinched through said facing. One of these clips forms or is opposite each button hole in the facing. The outside  $A'$  of the shoe vamp then shows nothing of the clips, but presents a smooth surface. As the clips are separate, the flexibility of the vamp is substantially retained. The studs  $b$ , project through the fabric  $A^2$  of the shoe at the quarter. The plates  $d$  are inclosed between the shoe cover  $A^2$  and lining or facing  $H'$ , and the pins  $e$  are clinched to the latter. The studs thus appear to project from the leather or fabric of the vamp showing but little of their securing plates.

The shoe may be fastened by passing the heads  $b$  through the round holes in the clips F and allowing the shanks  $c$  to slip into the slots  $f^3$  of the clip plates. When so secured the fastening devices will not show on the outside of the shoe, as appears in Fig. 1, where the buttons are supposed to be fastened except the three at the top of the shoe.

When it is desired to have the plates show on the outside of the shoe, the vamp will be provided with button-holes, as usual. (See Fig. 5.) The clip plates will then be placed on the vamp, with the keyholes opposite the button holes in the vamp. The stud or button plates may be attached as in Figs. 1 and 3, or may be applied outside the covering or vamp, with their pins clinched through the fabric, as in Fig. 4. Then in fastening the shoe the stud will be passed through the button hole of the vamp and the key hole slot in the clip, and the shank will then draw into the slot  $f^3$  of the clip, in fastening the shoe.

Two or three of the clip plates near the top of the shoe may have a plurality of keyhole slots, as shown in Fig. 7, and in such case the shoe can be buttoned to fit tightly or loosely round the ankle of the wearer.

When applied as in Fig. 1, the studs may be attached to the shoe at the time of manufacture and the clips need not be attached until the proper position for the button holes

is found by trial, when the clips may be quickly applied by the use of a simple tool.

Where the clips are outside the vamp, they may be applied in the shop, and the studs  
5 omitted until their position is found.

It will be understood that the clip plates need not be rectangular, as shown, but can be of any desirable form. They may be made  
10 ornamental by nickel or silver plating. The plates will preferably be of brass or alloy which is strong and malleable.

It is to be understood that reasonable modifications, within the limit of the claims, are contemplated and intended.

15 I claim—

1. A shoe provided on its fly with a series of fastening plates with keyhole slots secured thereto by fastening means clinched or upset  
between the lining and the upper, and on the

adjacent edge of the quarter with a corre- 20  
sponding series of studs adapted to engage the slots in the plates on the fly, substantially as described.

2. A shoe provided on its fly with a series of fastening plates with keyhole slots, secured 25  
to the fly by fastening means clinched or upset between the lining and upper, and having button holes in the upper opposite said key  
hole slots, said shoe having a series of studs on the quarter adapted to enter said slots and 30  
button holes, all substantially as described.

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

JOSEPH H. GUNN.

Witnesses:

FRED. H. SANFORD,  
C. E. RUMMER.