

(No Model.)

A. F. POSTEL & L. B. MORRIS.
SHOE.

No. 511,717.

Patented Dec. 26, 1893.

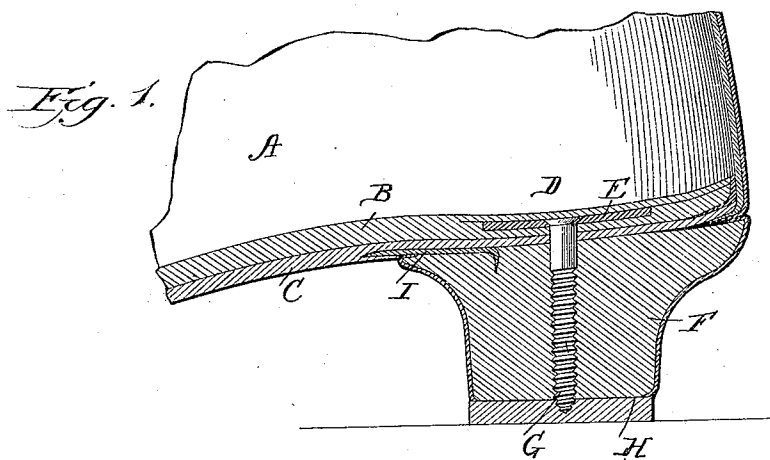


Fig. 2.

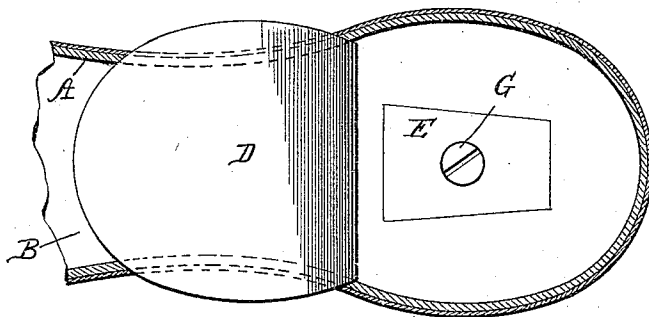
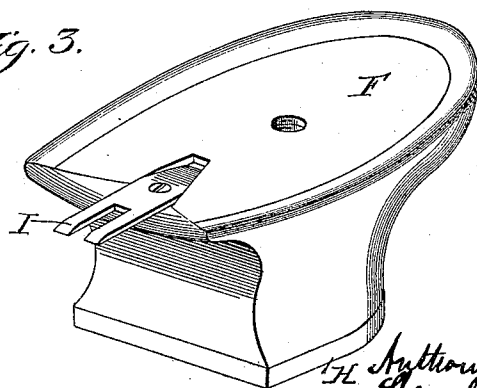


Fig. 3.



Witnesses:

Wm. M. Sheen
J. Lawrence Perry

Inventors
Anthony Frank Postel
Llewellyn Brown Morris
by
Paul S. Brown
Attorney.

UNITED STATES PATENT OFFICE.

ANTHONY FRANK POSTEL AND LLEWELLYN BROWN MORRIS, OF CHICAGO,
ILLINOIS.

SHOE.

SPECIFICATION forming part of Letters Patent No. 511,717, dated December 26, 1893.

Application filed March 2, 1893. Serial No. 464,352. (No model.)

To all whom it may concern:

Be it known that we, ANTHONY FRANK POSTEL and LLEWELLYN BROWN MORRIS, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Shoes, of which the following is a specification.

This invention relates to an improvement in shoes, and its object is to provide a convenient adjustment of heels to shoes.

It consists substantially in the construction as shown in the accompanying drawings, set forth in the subjoined description, and more particularly pointed out in the claims.

In the several figures of the drawings like letters refer to the same parts.

Figure 1 is a vertical central section of a portion of the shoe, and the heel applied thereto by the present invention. Fig. 2 is a horizontal section through the shoe, showing one ply of the in-sole turned back to reveal in plan the manner of attaching the heel to the shoe; and Fig. 3 is a detail view in perspective of a heel removed from the shoe, showing a hole for the fastening screw, and the clutching fork or yoke.

It has been found in practice that the tastes of purchasers of shoes vary largely as to the body of shoes, and as to the style of heel desired; and it frequently happens that where the general style of shoe is found satisfactory to a particular customer, he or she objects to the style of heel applied to such shoe, and inquires for the same style of shoe with a different heel. Inasmuch as heels have been ordinarily attached to shoes by first gluing and then tacking the same to the in-sole, it was in such cases of course impracticable to change the heels on any particular kind of shoe, and therefore in order to satisfy customers, it would be necessary to carry a large stock of shoes of the same pattern with different kinds of heels applied thereto. It has also been observed that after shoes have been worn some time, the heels run down, as it is termed, or become twisted and the shoes require re-heeling, but under the process above described, of doing this it was comparatively an expensive and tedious job.

The purpose of the present invention is to

obviate these difficulties above alluded to by providing an adjustment for heels which will enable different styles of heels to be adapted to any particular shoe with great facility and economy, and by the expenditure of only a moment or two in time; and also to provide for the repair of shoes by securing a new heel to them with similar facility and economy.

While of course this heel adjustment may be applied to boots, slippers and in fact to all foot gear coming under that generic head it will be found particularly applicable to ladies' shoes where the styles of heels are so varied.

In the drawings a wooden heel with a leather tip is illustrated, but, of course, any other suitable material is equally adapted to the invention. In practice we prefer to bore a hole in the heel as is indicated in Fig. 3, and provide such heel with a forked cleat or yoke as is shown in such figure, the prongs of which preferably are sharpened at their ends for insertion in the sole of the shoe; and then to divide the insole as shown in Fig. 2 for a portion of its length and place under the upper flap and inner recess in the lower flap a metal washer or plate which will afford a bearing for the screw or bolt which is screwed into the hole in the heel. The flap of the insole will then fold down over the metal plate or bearing and the screw head, and complete the shoe.

In the drawings A indicates the body of the shoe which is provided with an in-sole B and outer sole C the former of which may have a flap D and also a recess in which is fitted the plate or bearing E. The heel is designated by the letter F and the screw or bolt by the letter G.

H designates the leather tip, and I the forked or yoked cleat.

In Fig. 1 the parts are all shown adjusted for use with the flap covering the head of the screw and metal bearing therefor, thus giving the proper interior finish for comfort.

In Fig. 2 the flap is thrown back and screw is thereby made accessible so that it may be withdrawn and the heel detached while in Fig. 3 the heel is shown as detached.

It is obvious that other fastening or adjusting devices than the plate or screw and cleat might be readily employed without de-

parting from the principle of our invention, which is of course capable of being carried out in various ways, and we therefore do not wish to be understood as limiting ourselves to the precise construction shown and described.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent of the United States, is—

1. A shoe provided with a detachable heel
10 having a cleat, on the seat adjacent to the breast of the heel an outer sole, having a recess adapted to form a seat for such a cleat and an in-sole formed of a division or flap, and a clamping bolt passing through a portion of the sole and into an aperture in the heel and being concealed by the flap: substantially as and for the purpose set forth.

2. A shoe having an in-sole provided with bearing for a bolt, an outer sole having a recess in its rear edge adjacent to the heel, a heel provided with a cleat projecting inwardly from its forward edge and adapted to the recess in the outer sole, and a bolt extending through the bearing and into an aperture or socket in the heel; substantially as and for the purpose set forth.

In testimony whereof we have hereunto set our hands in the presence of two witnesses.

ANTHONY FRANK POSTEL.
LLEWELLYN BROWN MORRIS.

In presence of—
FRANK T. BROWN,
JAS. LAWRENCE GERRY.