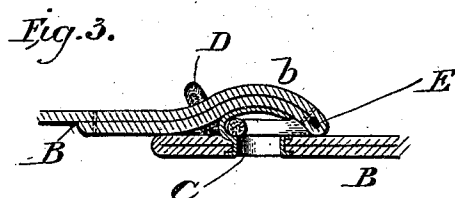
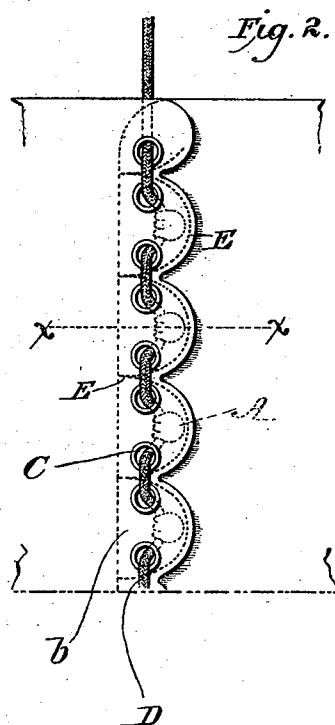
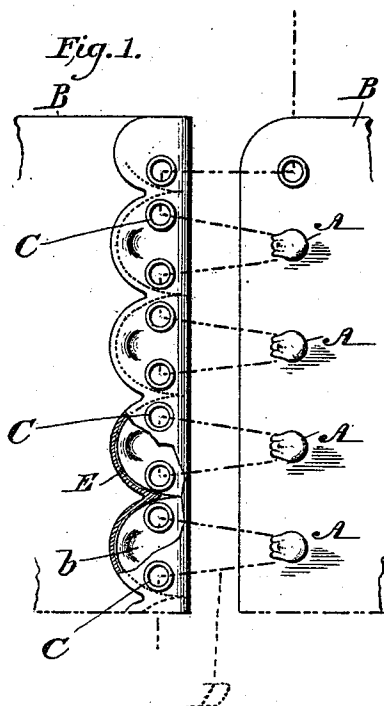


(No Model.)

A. L. DORR.
FASTENING FOR SHOES.

No. 470,183.

Patented Mar. 8, 1892.



Witnesses:

John A. Nolan
Chas. W. Beck

Inventor:

Arthur L. Dorr,
per *Joshua Pusey*
attorney.

UNITED STATES PATENT OFFICE.

ARTHUR L. DORR, OF WILMINGTON, DELAWARE.

FASTENING FOR SHOES.

SPECIFICATION forming part of Letters Patent No. 470,183, dated March 8, 1892.

Application filed April 14, 1891. Serial No. 388,828. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR L. DORR, a citizen of the United States, residing at Wilmington, in the county of New Castle and State of Delaware, have invented certain new and useful Improvements in Fastenings for Shoes, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, of which—

Figure 1 is a front view of the margins of a shoe-upper or other article of apparel provided with my invention, the flap margin being turned back upon itself for clearer illustration and the string or lace represented by the dotted lines. In this figure a piece of the flap margin is indicated as torn away, so as to expose a portion of the sinuous wire. Fig. 2 is a similar view showing the margins overlapped and fastened together. Fig. 3 is a transverse section enlarged, as on the line *x*, Fig. 2.

The nature of this invention is a device for fastening the flaps or overlapping margins of shoes or other articles of apparel; and it consists in the employment of a series of hooks or catches on one margin and a series of holes or eyelets on the other or flap margin arranged in such respect to said hooks or catches that when the flaps are brought together the hooks or catches are in line, or practically so, with alternate spaces between the holes or eyelets, in combination with a sinuous wire so disposed along said flap margin that the inprojecting portions of the wire intersect those spaces between the holes or eyelets with which the hooks or catches are not in line, together with a suitable lace, adapted, as hereinafter described, to be engaged alternately with said hooks or catches and holes or eyelets and in its course to compress the several inprojecting portions of the wire, thereby maintaining the flap margin over and upon the hooks or catches to cover and conceal the latter. The device is particularly applicable to shoes, as when it is applied thereto and in actual service it not only presents a neat appearance, but it protects the overlying portion of the wearer's garments from the detrimental action of the hooks.

Referring to the annexed drawings, A marks

the series of hooks attached in the usual manner to a shoe-upper B, and C is the series of eyelets on the shoe-flap *b*, which eyelets, as seen, are placed some distance in from the edge of the flap and are staggered with relation to the hooks A—that is, the hooks, when the flaps are brought together, are in line, or practically so, with alternate spaces between the holes or eyes. In fastening the flap *b* the cord or lace D (the lower end of which is fastened to the upper in any convenient manner) is run into an eyelet and out through the next eyelet, and so on through the series, and is looped on the under side of the flap around the respective hooks; or, in other words, the cord is engaged alternately with said hooks and the holes or eyelets in the manner illustrated. The cord is then drawn as taut as desired and its free end secured in any proper way. It will be observed that the margin of the flap *b* beyond the eyelets C covers the hooks, this margin being preferably scalloped, as shown. In order to aid in retaining this margin in place over the buttons, I insert along the edge of the margin a flexible strip or wire E of metal or other suitable material possessing flexibility with sufficient rigidity, to which I give an inward or downward bend between the scallops, as seen. I make the said wire sinuous and so dispose it along the flap margin that the inprojecting portions of the wire intersect those spaces between the holes or eyelets with which the hooks are not in line, so that the overdrawn lacing in its course compresses the several inprojecting portions of the wire, thereby holding the said margin in place over the hooks.

Having thus described my invention, I claim as new and wish to secure by Letters Patent—

In a shoe or other article with overlapping margins, the combination of the series of hooks on the under margin, the series of holes or eyelets on the flap margin arranged in such respect to said hooks that when the flaps are brought together the hooks are in line or practically so with alternate spaces between the holes or eyelets, and the sinuous wire so disposed along said flap margin that the inprojecting portions of the wire intersect those

spaces between the holes or eyelets with which the hooks are not in line, together with a suitable lace adapted to be engaged alternately with said hooks and holes or eyelets and in its course to compress the several in-projecting portions of the wire, substantially as described.

In testimony whereof I have hereunto affixed my signature this 14th day of March, A. D. 1891.

ARTHUR L. DORR.

Witnesses:

JOHN R. NOLAN,
JOSHUA PUSEY.