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W. H. Fortney and W. E. Sheaffer.
Fastening for Ladies' Gaiters.

PATENTED MAR 29 1870

Fig. 2.



Fig. 4.



Fig. 3.

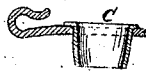


Fig. 1.



Witnesses.
Edw. Kils
A. Ruyter

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Inventors.
D. P. Holloway & Co
Atty

United States Patent Office.

WILLIAM H. FORTNEY AND WILLIAM E. SHEAFFER, OF MIDDLETOWN,
PENNSYLVANIA.

Letters Patent No. 101,360, dated March 29, 1870.

IMPROVEMENT IN SHOE-FASTENINGS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that we, WILLIAM H. FORTNEY and WILLIAM E. SHEAFFER, of Middletown, in the county of Dauphin and State of Pennsylvania, have invented certain Improvements in Shoe-Fastenings; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings making part of this specification, in which—

Figure 1 is a perspective view of a lady's gaiter with our improved fastening applied thereto.

Figure 2 is a perspective view of an improved fastening, showing the hook through which the string passes in lacing the boot, and also the provision for securing the same to the boot.

Figure 3 is a longitudinal sectional elevation of a modified form of hook; and

Figure 4 is a perspective view, showing the reverse side of the hook shown at fig. 2.

Corresponding letters refer to corresponding parts in the several figures.

Our invention consists in providing a hook, which may be made of a single piece of metal, substantially as shown in the drawings, and so that it may be fastened to a boot or shoe without the addition of an eyelet or any separate device.

A in the drawings represents a lady's boot, to which our improved hook is or may be applied.

B refers to the hook, the construction of which is clearly shown in figs. 2 and 4 of the drawings, it being made of a single piece of metal which has previously been punched from a sheet by any suitable machine, its form being such as to permit its outer end to be turned up as shown, so as to form the hooked portion through which the string is passed, while upon its inner end the circular portion is formed.

In the central portion of this circular end two slits are to be cut, either by the machine which cuts the blank from the sheet or by another machine adapted to the purpose.

These slits are to be at, or nearly at right angles to

each other, and are to extend from the center to within a short distance of the circumference, so that, as the points thus formed are pressed outward, projections are formed upon the surface of the hook or the circular portion thereof, which pass through the leather of which the boot or shoe is composed, and are to be bent over and riveted down upon the opposite side, thus securing them firmly to such material, and preventing their becoming loose or tearing out.

When the lining or facing is put upon the shoe or boot, it is made to cover the portion of the hook which attaches said hook to the shoe or boot, and thus an additional security against tearing out of the hook is provided.

The construction of our hook possesses several advantages over these and other eyelet-hooks, some of which may be stated as follows: It requires less metal to form one of our hooks, and they can be much more easily constructed, thus reducing the cost of them to below that for which eyelet-hooks can possibly be made. Moreover, in inserting eyelet-hooks in the material to which they are to be fastened, it is necessary to punch a round hole in such material, while the points or spurs on our hooks can in most instances be forced through the material without first punching a hole, which makes them much more convenient.

Having thus described our invention,

What we claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, the hook herein described, when constructed to be attached to shoes, wearing apparel, &c., in the manner shown and described.

In witness whereof we have signed our names to this specification in the presence of two subscribing witnesses.

WILLIAM H. FORTNEY,
WILLIAM E. SHEAFFER,

Witnesses:

B. EDW. J. EILS,
A. RUPPERT.