(No Model.)

C. H. TESCH.

FASTENER.

No. 601,289. Patented Mar. 29, 1898.

Fig. 1.

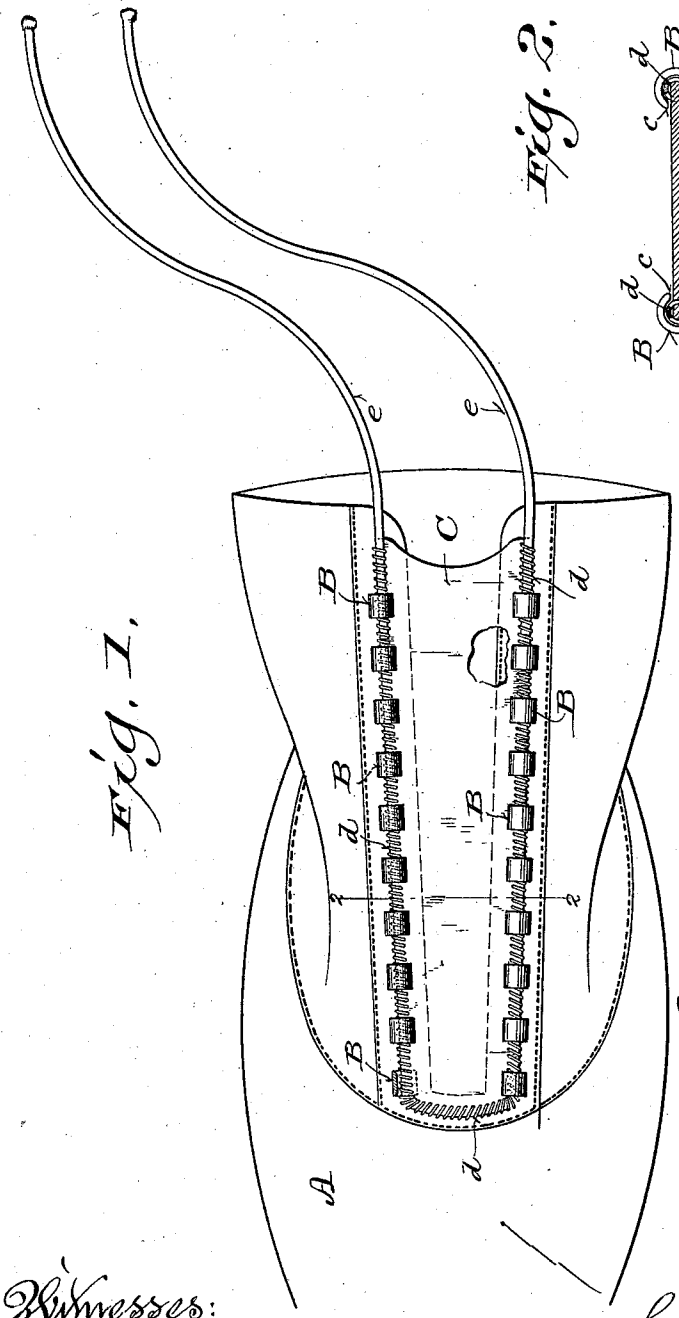


Fig. 2.

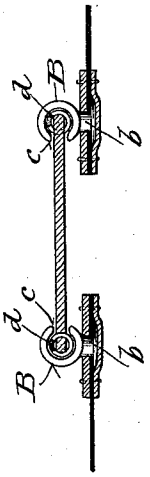
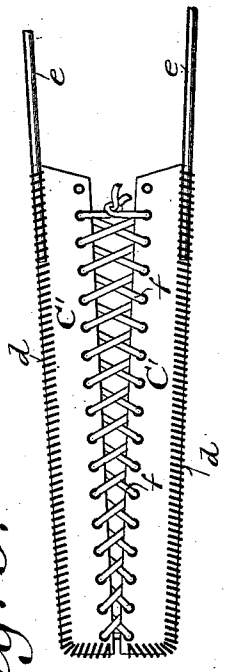


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES H. TESCH, OF MILWAUKEE, WISCONSIN.

FASTENER.

SPECIFICATION forming part of Letters Patent No. 601,289, dated March 29, 1898.

Application filed July 3, 1896. Serial No. 597,970. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. TESCH, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to improve that class of fasteners embodying slides that are drawn along guides arranged parallel to openings in various articles—such, for instance, as shoes, gloves, and corsets—the said invention consisting in certain peculiarities of construction and combination of parts hereinafter set forth with reference to the accompanying drawings and subsequently claimed.

Figure 1 of the drawings represents a plan view of a portion of a shoe provided with a fastener of my invention. Fig. 2, a detail transverse section indicated by line 2 2 in the preceding figure, and Fig. 3 a plan view of a slide that may be substituted for the one shown in the first figure.

Referring by letter to the drawings, A represents a shoe provided at each side of its longitudinal foot-opening with a series of guides arranged at suitable intervals apart, each guide being entirely separate and distinct from all the others in the series, in order that the material to which it is attached may have unimpeded yield to the movement of a foot in the shoe when the latter is closed by a slide C, that operates in conjunction with all the guides. As herein shown, each guide is in the form of a sleeve B, parallel to the foot-opening in the shoe, and each sleeve is preferably provided with an attaching-shank *b*, although other provision may be made for its connection with the shoe or other device. A slot *c* is formed in each sleeve the whole length thereof to face the adjacent opening of the shoe or other device to which my invention is applicable, and the width of this slot is less than the diameter of the sleeve-bore for the purpose hereinafter set forth.

While the guides B are necessarily in series on opposite lines, they need not be parallel to each other in pairs, as herein shown, it being just as practical (and perhaps preferable in some instances) to have the guides in one series break joints with those of the other series.

The slide C is made in such conformity with the guides as to be drawn along the same, but held thereto against lateral displacement. The form of slide shown in Figs. 1 and 2 is a strip of material having the longitudinal edges and lower end thereof bound with a spirally-run wire *d*, said slide being pliable throughout its length. For a shoe it is preferable to have the body of the slide made from kangaroo leather, the latter being very tough and pliable.

By employment of spirally-run wire instead of cord as a binder for edges of the slide stitching is avoided, and there being no stitches to wear or rot the binder will hold its place with reference to said slide. It has also been found by experiment that spirally-run wire as a slide-binder is preferable to any other metal binder, as it is far more economical and requires no rivets or other fastenings liable to work loose. My binder being in the form of a spiral spring it conforms readily to flexure of the slide, this being a matter of considerable importance.

Rigidly secured to the upper end of the above-described slide by the wire *d* or otherwise are cords *e*, that are threaded through the guides B and serve as pulls by which to engage said slide with said guides and thereby close the intervening opening, these cords being matters of convenience rather than necessity, inasmuch as some other form of pull may be employed or the slide may be devoid of any attachment designed to facilitate its engagement with the guides.

Fig. 3 illustrates the slide as being made in two sections C′ C′, united by a lace-cord *f*, engaging suitable eyes, the outer edges of these slide-sections being wire-bound similar to the one-piece slide in Fig. 1. By having the slide in two lace-connected sections it may be readily adjusted in the matter of width.

The wire binding herein shown and described thickens the longitudinal edges of the slide and prevents the same from pulling out of the guides, in which it has free longitudinal play, and by having this binding continued at the lower edge of said slide the draw of the latter in an upward direction is limited.

From the foregoing it will be understood that the slide cannot become automatically detached from its guides should there be

yield of the shoe or other device in a direction of the opening closed by said slide.

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

1. A fastener consisting of guides in opposite series adjacent to edges of an opening and having the form of longitudinally-slotted sleeves, together with a flexible slide having a binding of spirally-run wire engaging the guides.

2. A fastener consisting of guides in opposite series adjacent to edges of an opening and having the form of longitudinally-slotted sleeves, together with a flexible slide comprising lace-connected sections having a binding of spirally-run wire engaging the guides.

In testimony that I claim the foregoing I have hereunto set my hand, at Chicago, in the county of Cook and State of Illinois, in the presence of two witnesses.

CHARLES H. TESCH.

Witnesses:
W. G. CLUCAS,
WILLIAM D. ANDERSON.