(No Model.)

L. C. W. GOEDDEL

SHOE LACE HOLDER.

No. 595,162. Patented Dec. 7, 1897.

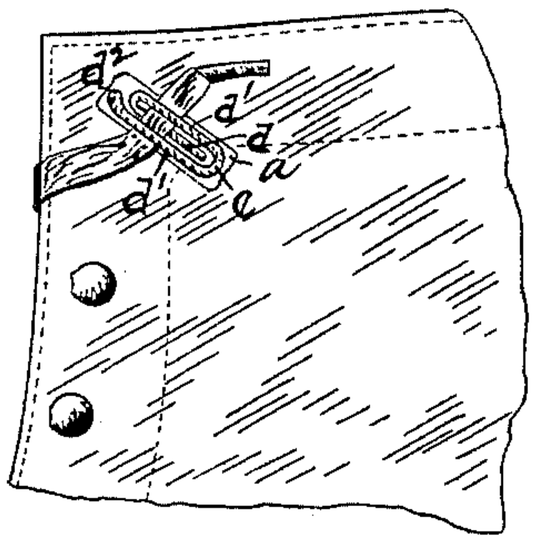

Fig. I.

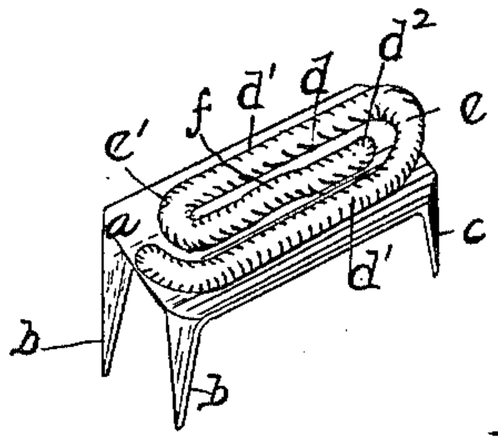

Fig. 2.

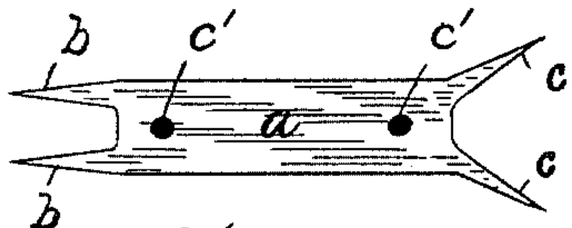

Fig. 3.

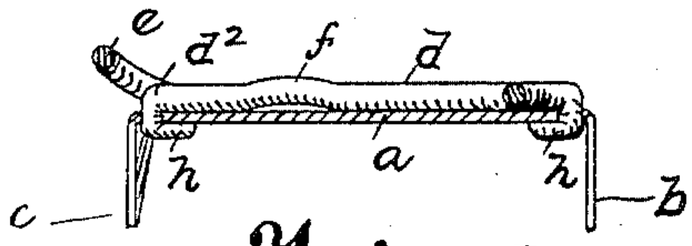

Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

LOUIS C. W. GOEDDEL, OF PITTSBURG, PENNSYLVANIA.

SHOE-LACE HOLDER.

SPECIFICATION forming part of Letters Patent No. 595,162, dated December 7, 1897.

Application filed February 20, 1897. Serial No. 624,313. (No model.)

To all whom it may concern:

Be it known that I, LOUIS C. W. GOEDDEL, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Shoe-Lace Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in shoe-lace holders, and has for its object the provision of novel means whereby the free ends of a shoe-lace may be easily and quickly secured and firmly retained in position without the necessity of tying the same.

The invention has for its further object to construct a shoe-lace holder that may be applied to gloves, corsets, and the like apparel; furthermore, to design a clasp of the above-referred-to type that will be extremely simple in construction, strong, durable, and ornamental.

With the above and other objects in view the invention consists in the novel construction and arrangement of parts to be hereinafter more specifically described, and particularly pointed out in the claims.

In describing the invention in detail, reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

Figure 1 shows the upper part of a shoe with one end of the lace secured by my holder. Fig. 2 is an enlarged perspective view of my improved holder. Fig. 3 is a plan view of the blank forming the plate upon which my holder is mounted. Fig. 4 is a longitudinal sectional view of the holder.

In the drawings, *a* represents the plate of metal, having sufficient strength for the purpose. The said plate is provided at its forward end with prongs *b b*, said prongs extending outwardly in alinement with the plate, the other end of said plate being provided with prongs *c c*. These prongs extend outward from the body portion of the plate at an approximate angle of thirty degrees. The plate is further provided with apertures *c' c'*.

Upon the plate *a* is mounted a wire coil *d*, which forms the shoe-lace clamp proper, said coil being elongated and forming sides *d' d'*, which extend parallel to each other and in alinement with the plate *a*. The sides *d' d'* form a tongue *e* at their forward ends. This tongue is slightly raised. The coil *d* terminates in a central piece d^2, forming a loop *e'*, which extends parallel with and between the sides *d' d'*. This piece d^2 has a raised portion, forming a hump or shoulder *f*. The free ends of the coil *d* extend through the apertures *c' c'* of the plate *a*, and are secured to the underneath face thereof in any suitable manner, but are preferably clamped thereto, as shown at *h* in the drawings. My improved holder is composed, preferably, of one piece of wire, which should be tempered and have the proper resiliency and quality of a spring.

In order to properly apply my improved lace-holder to leather or other fabric, the prongs *b b* and *c c* are bent downwardly at right angles to the plate and are forced through the leather or fabric, when they are bent inwardly, so as to firmly clasp the same, the peculiar construction of the prongs *c c* serving to secure a greater bearing-surface, being set at an angle, as heretofore described. The free end of the lace is passed under the tongue *e* and the sides *d' d'* and over the central portion d^2. By a slight pressure the lace is forced over the hump or shoulder *f* and is lodged in the loop *e'*, shoulder *f*, and sides *d d*. The laces thus clamped will be securely retained and cannot become loose by either a lineal or lateral strain incidental to ordinary wear.

In order to release the lace from the clamp, the operation is reversed, a slight pressure being exerted, and the lace will ride over the hump or shoulder and will be released from engagement with the holder.

It will be observed that as the lace is inserted the same is under *e*, passes over d^2, and is consequently under *d' d'*, and when the pressure is exerted it tightens the lace between the plate *a* and *d' d'* and also presses between d^2 and *d'*, absolutely preventing the lace from moving from the position in which it has been placed.

It will be noticed that various changes may

be made in the details of construction of my improved shoe-lace holder without departing from the general spirit of my invention.

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

A lace-holder consisting of a plate *a*, carrying at its one end prongs *b*, *b*, and at its other end prongs *c*, *c*, extending outwardly at an angle thereto in combination with a continuous piece of wire forming an elongated coil *d*, provided at its forward end with a tongue *e*, and at its rearward end a loop *e'*, a central piece d^2, extending parallel with and between the sides *d'*, *d'*, said piece having formed therein a shoulder or hump *f*, the free ends of said elongated coil *d*, passing through apertures *c'*, *c'* of the plate *a*, all parts being constructed, substantially as described and for the purpose set forth.

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

LOUIS C. W. GOEDDEL.

Witnesses:

JOHN NOLAND,

THOS. M. BOYD, Jr.