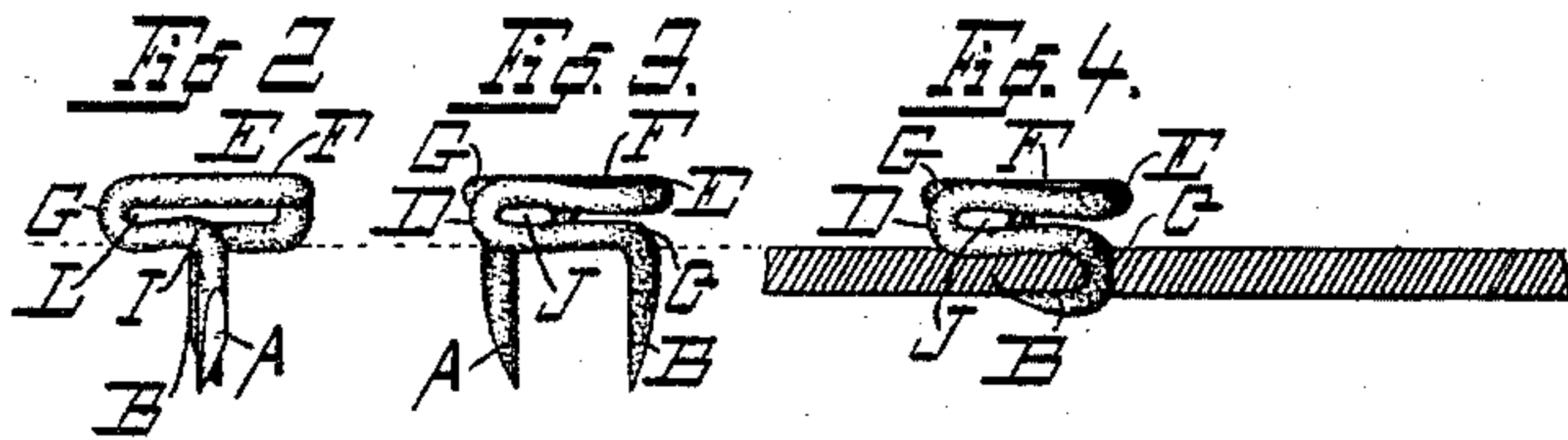
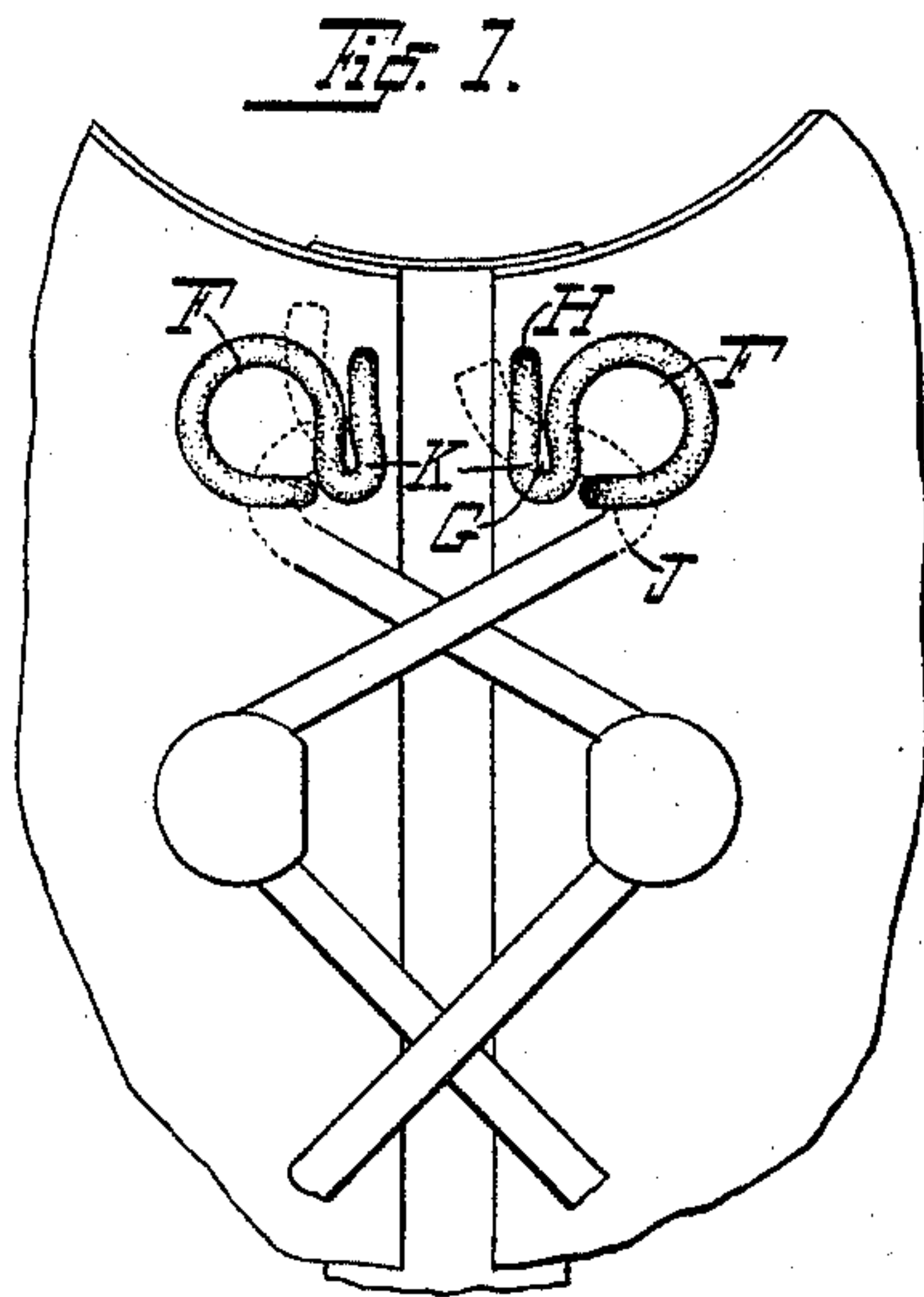


(No Model.)

C. H. KREBS.
LACE FASTENER.

No. 584,371.

Patented June 15, 1897.



Witnesses:

E. A. O'Connell
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UNITED STATES PATENT OFFICE.

CHARLES H. KREBS, OF MILWAUKEE, WISCONSIN.

LACE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 584,371, dated June 15, 1897.

Application filed March 8, 1897. Serial No. 626,474. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. KREBS, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Lace-Fasteners, of which the following is a specification.

My invention relates to improvements in that class of lace-fasteners which are used more especially for fastening the free ends of the lacing-cords of shoes, gloves, or other similar articles.

The object of my invention is to provide a fastening-loop so constructed as to enable the user to more readily and easily engage the fastening-cord between its retaining folds or bends and whereby the cords are more firmly and securely held in place.

The construction of my device is further explained by reference to the accompanying drawings, in which—

Figure 1 represents a top view of my lace-fastener attached to the front of the shoe. Fig. 2 represents a left-hand or inside view of the fastener shown upon the right in Fig. 1. Fig. 3 represents a view of the lower side of such fastener. Fig. 4 represents the same view of the fastener illustrated in Fig. 3, having its fastening-prongs bent up and clenched against the under side of the leather.

Like parts are referred to by the same reference-letters throughout the several views.

The fastener is formed of a single piece of elastic metal, preferably of spring-steel wire; and its novelty consists more especially in the peculiar form and arrangement of the fastening bends or folds by which the lace is readily engaged and securely held in place.

A and B are the fastening-prongs, which when inserted through the leather C are turned or folded back against the inner surface of the leather, as shown in Fig. 4.

Beginning the description of the construction at the prong B of Fig. 4, the wire is carried horizontally toward the right to the vertical bend C, when it is folded back upon itself toward the left to the vertical bend D, when it is folded back upon itself toward the right to the bend E, when it is again folded back toward the left upon the same plane, forming the horizontal circular loop F, to the bend G, when it is folded back upon itself on the same plane to the bend H, when it is bent downwardly and folded back upon itself to the bend I, when it is bent downwardly, form-

ing the vertical prong A, as shown in Fig. 2, which prong A when inserted through the leather is adapted to be bent upwardly and clenched against the underside of the leather, substantially as the prong B is shown in Fig. 4.

The prongs A and B are preferably pointed, as shown, to facilitate their insertion through the leather or other fabric to which they are attached.

It is obvious that by this construction a vertical lace-retaining loop J is formed between the bends C and E at a slight distance above the surface of the leather, whereby the fastening-cord is readily engaged beneath the bend E, when it is carried around and beneath the circular loop F, when it is engaged in the horizontal loop K, when by drawing on the end of the lace it is firmly and securely held in place in said retaining-loops J and K beneath the circular loop F. It is also obvious that by such construction a vertical side loop L is formed between the vertical bends G and I.

The fastening device shown upon the left in Fig. 1 is the same in construction as that described, with the exception that one is formed for the right and the other for the left hand lace.

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

1. A lace-fastener formed of a single piece of elastic wire, bent to form a central circular loop F, vertical side loop J, horizontal side loop K, and fastening-prongs A and B, said prongs being adapted to be bent back and clenched beneath the under side of the fabric, all substantially as and for the purpose specified.

2. A lace-fastener formed of a single piece of elastic wire, bent to form a central circular loop F, vertical side loop J, horizontal side loop K, vertical side loop L, and fastening-prongs A and B, said prongs being adapted to be bent back and clenched beneath the under side of the fabric, all substantially as and for the purpose specified.

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

CHARLES H. KREBS.

Witnesses:

JAS. B. ERWIN,
C. LORRAINE ROESCH.