

(No Model.)

C. J. JOHNSON.
SHOE LACE FASTENER.

No. 313,338.

Patented Mar. 3, 1885.

Fig. 1.

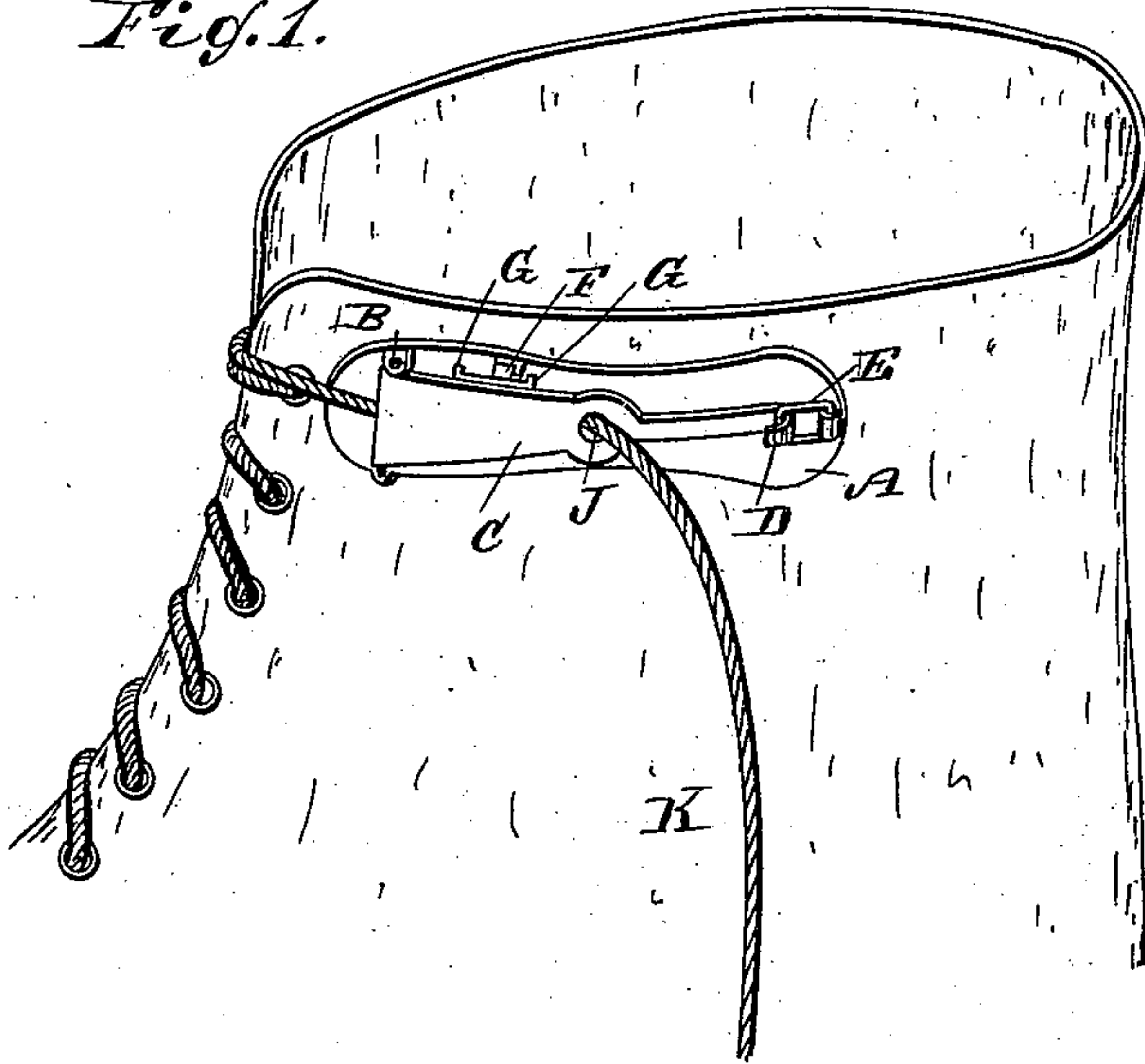


Fig. 2.

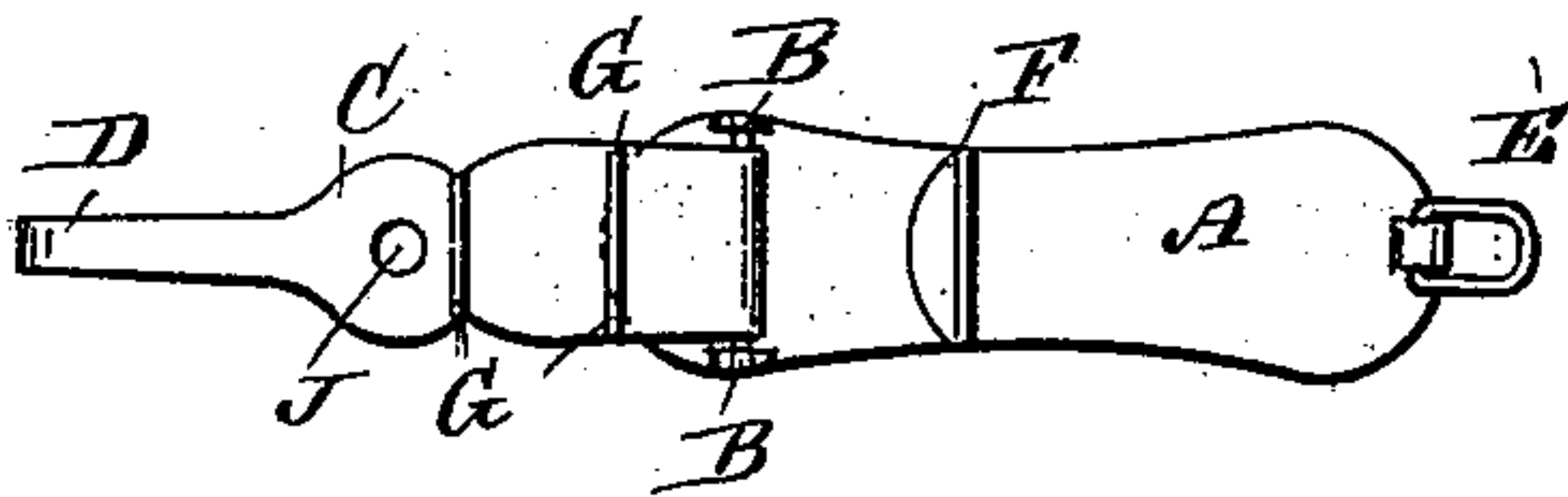


Fig. 3.

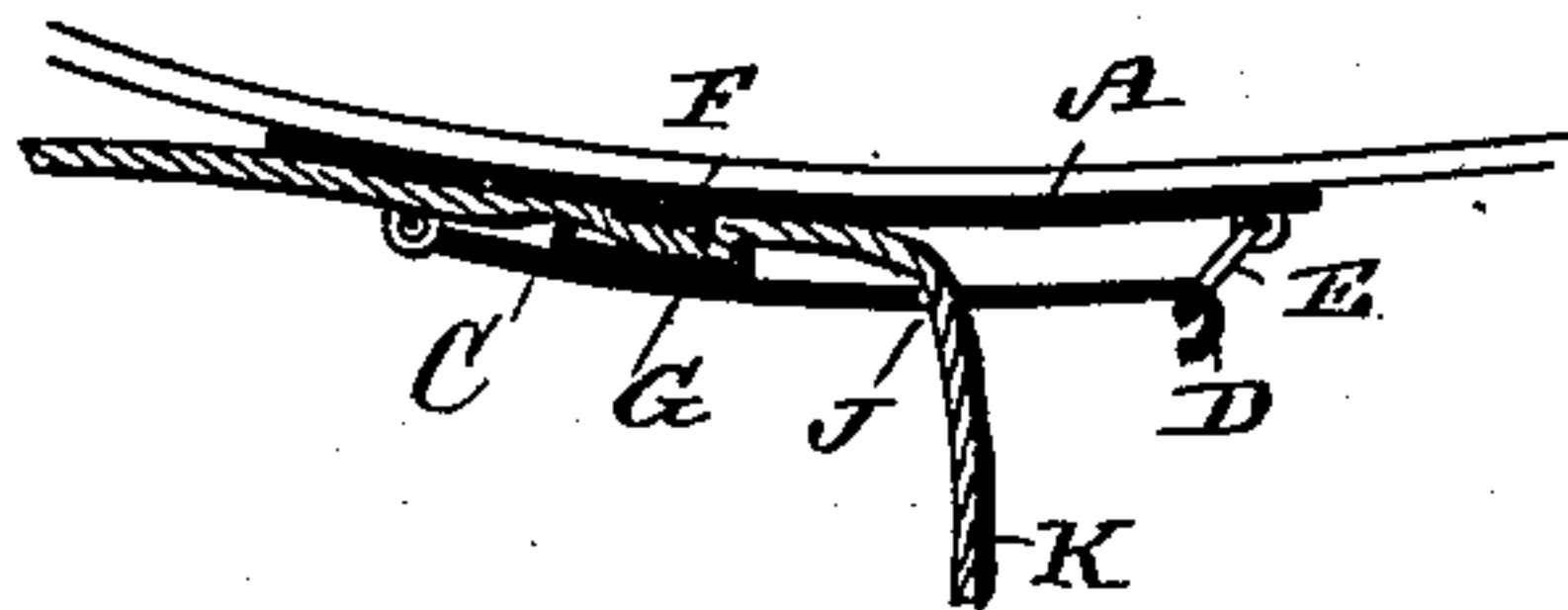


Fig. 4.

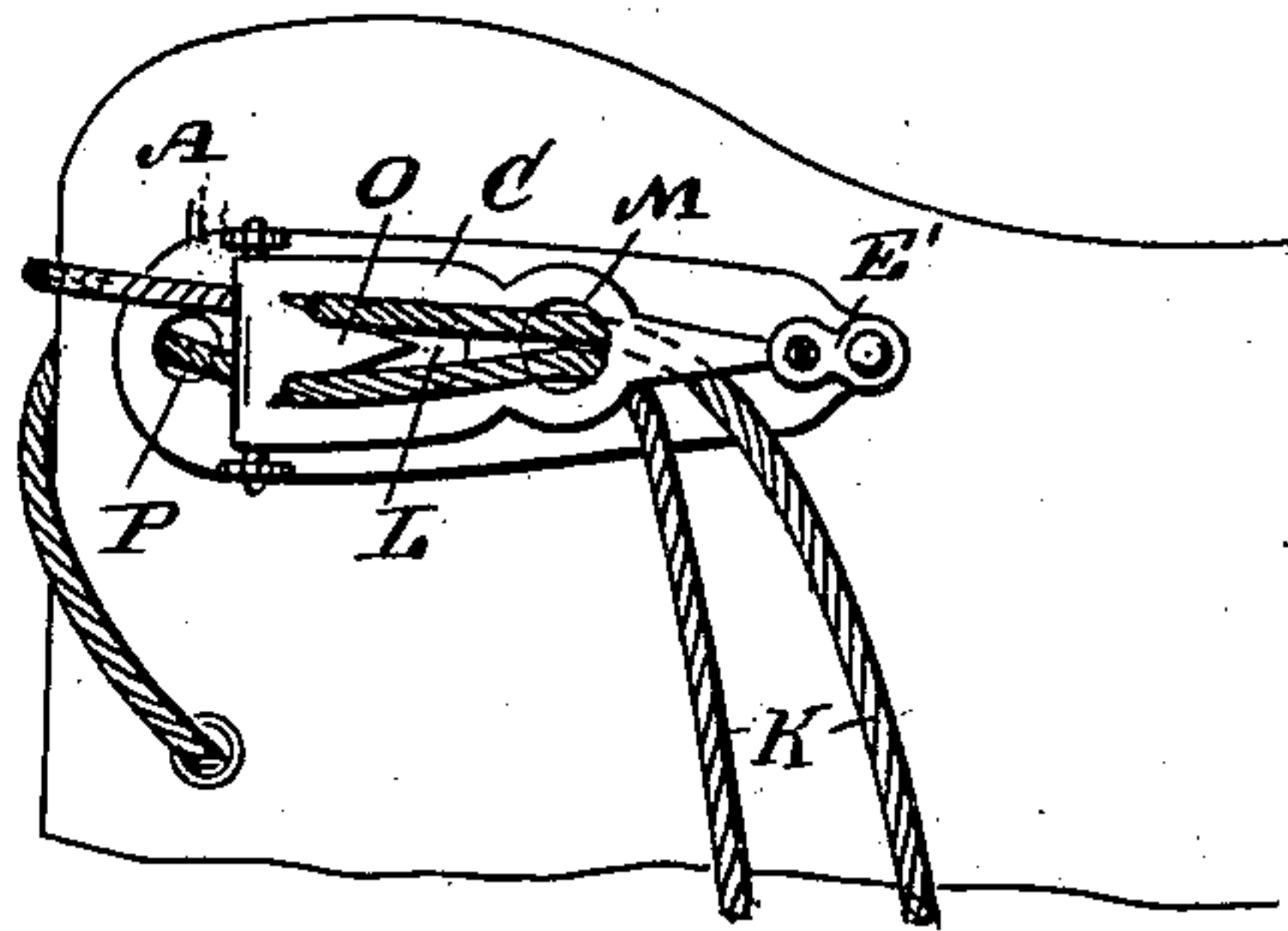
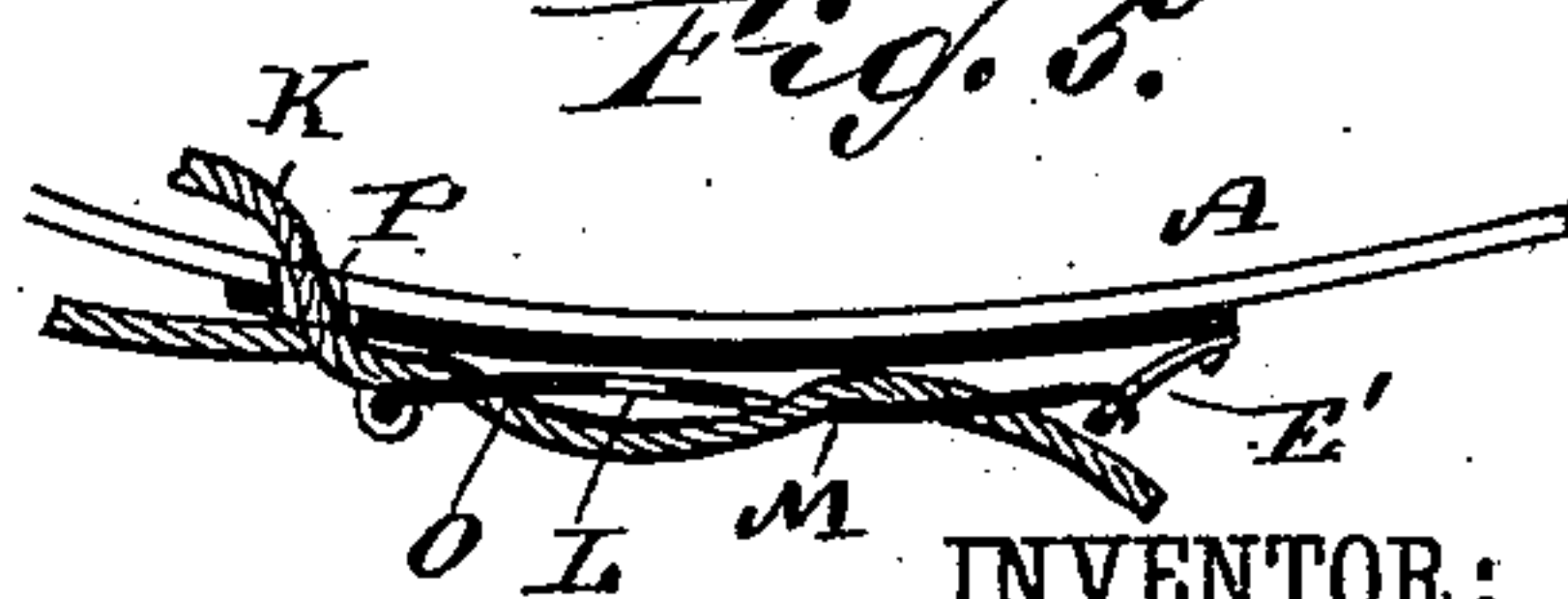


Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES JAY JOHNSON, OF LONE PINE, CALIFORNIA.

SHOE-LACE FASTENER.

SPECIFICATION forming part of Letters Patent No. 313,338, dated March 3, 1885.

Application filed December 6, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. JOHNSON, of Lone Pine, in the county of Inyo and State of California, have invented a new and useful Improvement in Shoe-Lace Fasteners, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved device for holding the ends of a shoe-lace to prevent loosening of the lace.

The invention consists in the combination, with a plate, of a lever pivoted on the same, and provided with an aperture, and with a hook on its free end, and of a link pivoted on the plate, for the purpose of holding the free end of the lever to the plate.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the upper part of a shoe provided with my improved lace-fastener. Fig. 2 is a face view of the fastener, the same being open. Fig. 3 is a sectional view of the same. Fig. 4 is a face view of a modification. Fig. 5 is a sectional view of the same.

From a sheet-metal or other plate, A, two lugs, B, project near one end, between which a tongue or lever, C, is pivoted, which has its free end bent outward to form a hook, D, which can be held to the plate A by a link, E, which is swung over the said hook. A transverse ridge or rib, F, projects from the outer surface of the plate A, and two transverse ridges or ribs, G, project from the inner surface of the lever C, one at each side of the rib F on the plate A. The tongue or lever C is provided with an aperture, J, a short distance from the free end. The plate A is secured to the side of the shoe at the top, as shown in Fig. 1. The free end of the lace K is passed under the pivoted end of the pivoted lever, over the ribs G and through the aperture J from the inner to the outer side, and the lever C is then swung against the plate A and held in place by the link E.

In place of providing the ribs F G on the plate A and on the lever C, the said lever may

be provided with a longitudinal slot, L, and an aperture, M, the slot increasing in width from the free end of the lever toward the pivoted end, and a prong, O, projecting into the slot from the wider end of the slot, which is at the pivoted end of the lever. The plate A is provided with a hole, P, which coincides with a hole in the shoe.

One end of lace K is passed through the hole P, through the slot L, from the inner to the outer surface of the latch-lever, and then through the aperture M, from the outer to the inner surface of the same; and the other end is passed under the pivoted end of the latch-lever through the slot L, from the inner to the outer surface of the latch-lever, and through the aperture M, from the outer to the inner surface of the latch-lever, one end of the lace being in each pocket formed at the wider end of the slot by the prong O, and both ends passing through the aperture M. The latch-lever C is then swung on the plate A, and is held in place by the latch E'. Both ends of the lace are thus held secure by the same device.

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

1. In a lace-fastener, the combination, with a plate adapted to be fastened on the shoe, of a lever pivoted on the plate and provided with one or more apertures, through which the lace can be passed, and a pivoted latch for holding the free end of the lever to the said plate, substantially as herein shown and described.

2. In a lace-fastener, the combination, with the plate A, of the lever C, pivoted on the same, and provided with an aperture, J, and with a hook, D, on the free end, and of the link E, pivoted on the plate A, substantially as herein shown and described.

3. In a lace-fastener, the combination, with the plate A, having the transverse rib F, of the pivoted lever C, having an aperture, J, hook D, and the ribs G, and of the link E, substantially as herein shown and described.

CHARLES JAY JOHNSON.

Witnesses:

E. H. EDWARDS,
PAUL HOWARD.