

C. F. KLEINSCHUSTER.

SHOE-FASTENINGS.

No. 181,948.

Patented Sept. 5, 1876.

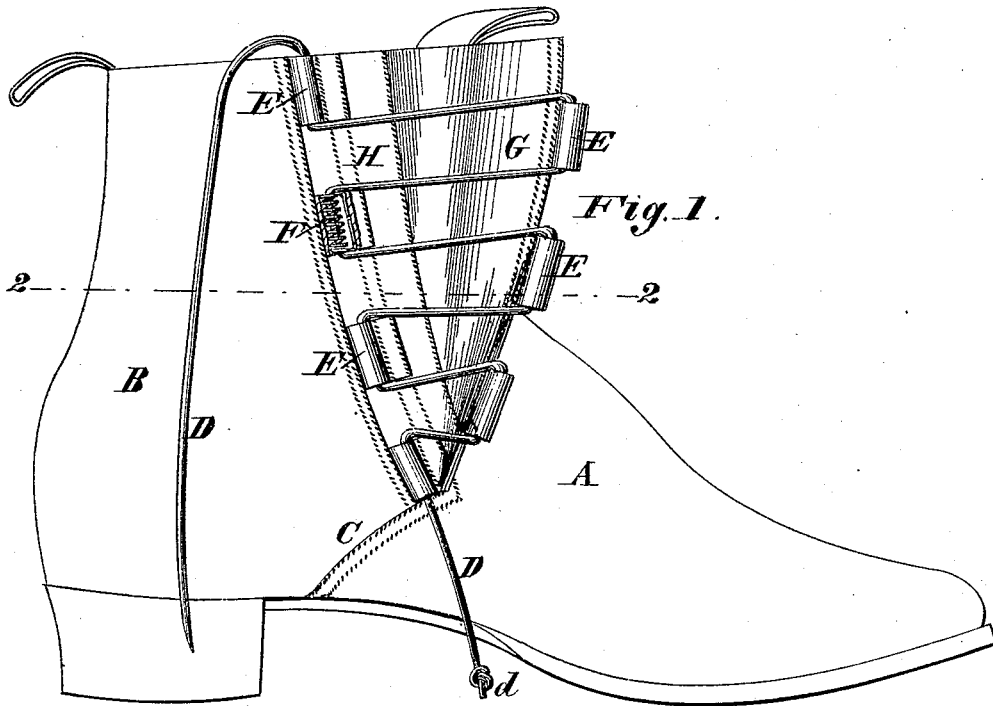


Fig. 1.

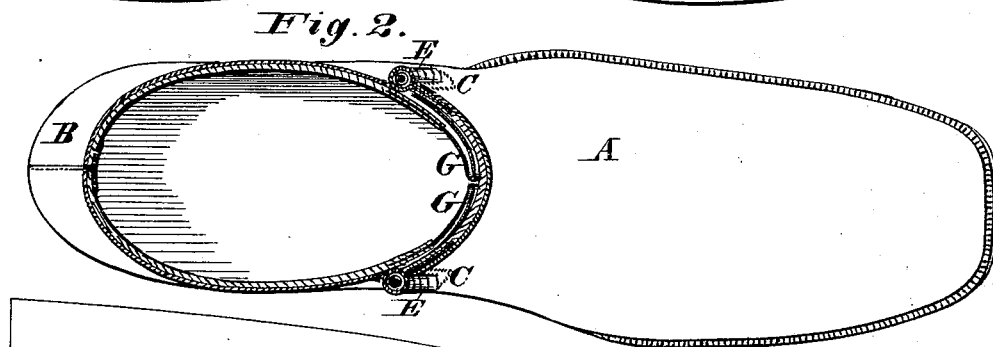


Fig. 2.

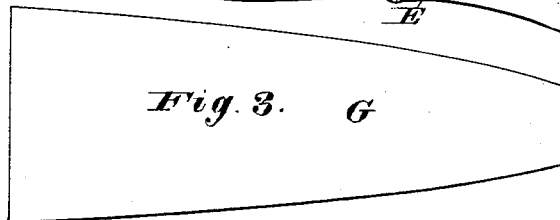


Fig. 3. G

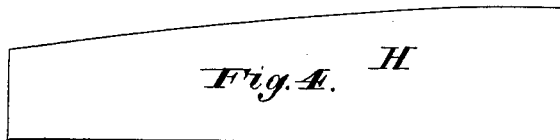


Fig. 4. H

Fig. 6.

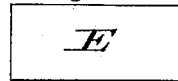
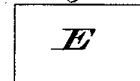


Fig. 5.



WITNESSES

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CHARLES F. KLEINSCHUSTER, OF MARBURG, AUSTRIA.

IMPROVEMENT IN SHOE-FASTENINGS.

Specification forming part of Letters Patent No. **181,948**, dated September 5, 1876; application filed August 12, 1876.

To all whom it may concern:

Be it known that I, CHARLES F. KLEINSCHUSTER, of Marburg, Austria, have invented a certain new and useful Improvement in the Construction of Shoes, of which the following is a specification:

This invention consists in constructing what are known as "gaiter-shoes with gored sides," fastened by means of thongs or lacings inserted from the bottom upward through loops attached alternately to the front and back portions of the upper, so that when the thongs are drawn straight upward the edges of the opening will be brought together flush, and will be so retained by simply tying the thongs.

The invention further consists in bushing the lacing-loops with eyes of coiled wire, to prevent wear or injury to the leather, and to more effectually hold the strings.

In the accompanying drawing, Figure 1 is a side elevation of my improved shoe, with the lacing loosened in readiness for putting on, and one of the lacing-loops being shown partly in section to exhibit the coiled-wire bushing within it. Fig. 2 is a horizontal section on the line 2 2, Fig. 1, showing the upper drawn together as when on the boot. Figs. 3, 4, 5, and 6 are diagrams of parts used in the construction of the shoe, Fig. 3 being a gore-piece; Fig. 4, an internal lap-piece, to be attached to the front edge of the quarter; Fig. 5, one of the front eye-pieces, and Fig. 6 one of the back eye-pieces.

A is the vamp, and B the quarters, of the shoe. Within the meeting edges are sewed gores C C, which may render the shoe perfectly water-tight to its top. When the shoe is opened, in the manner illustrated in Fig. 1, it may be drawn on or off with as great ease as any laced shoe or boot.

For fastening it on the foot I employ thongs or strings D, each of which may have a single knot, *d*, at bottom, and is passed upward through lacing-eyes E E', attached to the edges of the vamp and quarters alternately.

In order to protect, from wear and injury, the leather of which the external parts of these eyes are formed, I insert bushings F of coiled wire, the ends of which are drawn or inserted within the seam which attaches the lacing-eyes to the upper.

From the above description it will be apparent that the upper proper, which may be made of calf-skin or other durable leather, or of cloth, silk, or other fine material, is formed without laps, and so as to admit of being cut with the smallest possible amount of waste. This constitutes a feature of economy in the construction of my shoe which is of great practical importance. The gore-pieces G, the pattern of which is illustrated in Fig. 3, may be made of kid or other soft material. The rear lapping-piece H, the pattern of which is shown in Fig. 4, is applied to the front edge of the upper back, as shown in Figs. 1 and 2. This, being partially exposed to view, and requiring to have more rigidity, may be made of patent-leather, but does not fold when the shoe is fastened. The gore-pieces G G fold together, as illustrated in Fig. 2, their edges just meeting at front, and producing no ridge or wrinkle to oppress the instep.

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

1. A shoe-fastening consisting of thongs or strings D, inserted in vertical eyes E E', attached alternately to the vamp and quarters in a shoe having side gores G, substantially as set forth.
2. The eyes E E', constructed with bushings F of coiled wire, adapted to operate as set forth.

CHARLES F. KLEINSCHUSTER.

Witnesses:

OCTAVIUS KNIGHT,
CHAS. J. GOOCH.