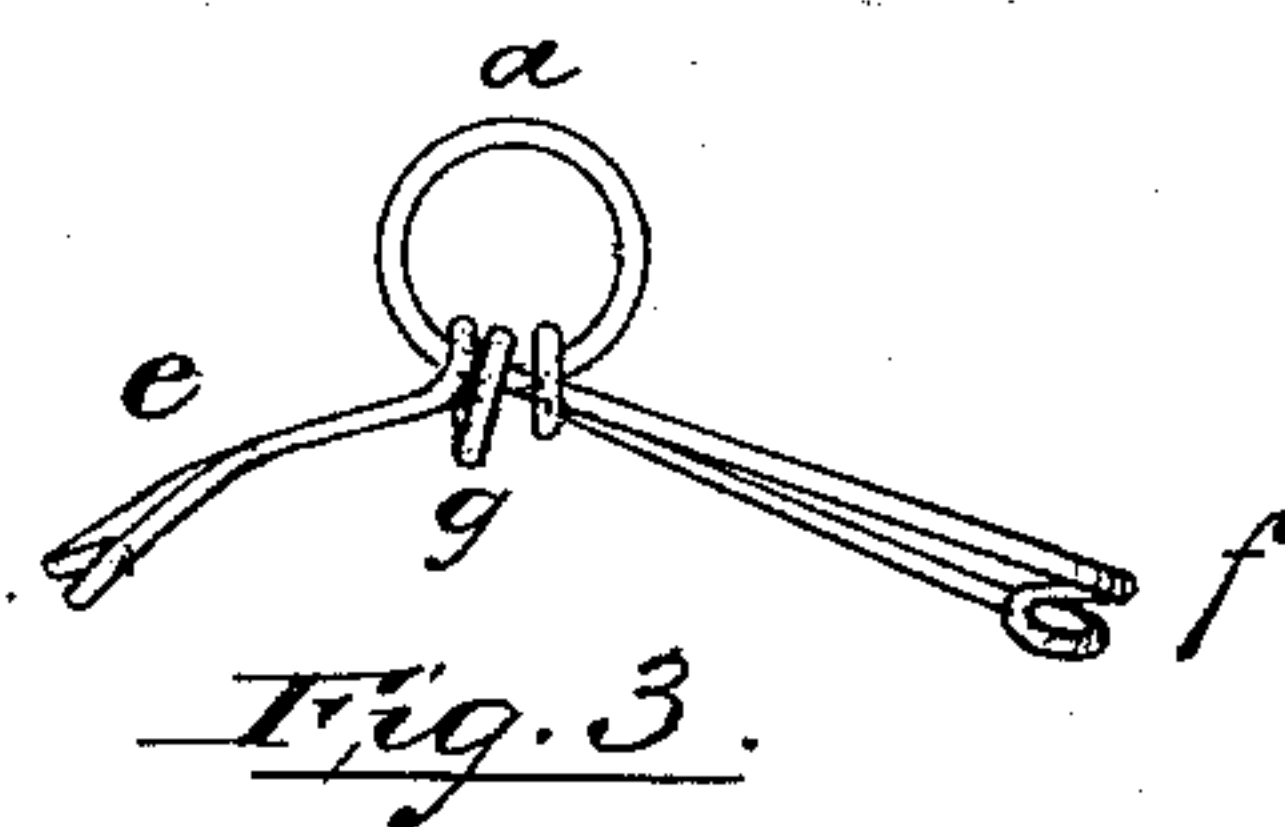
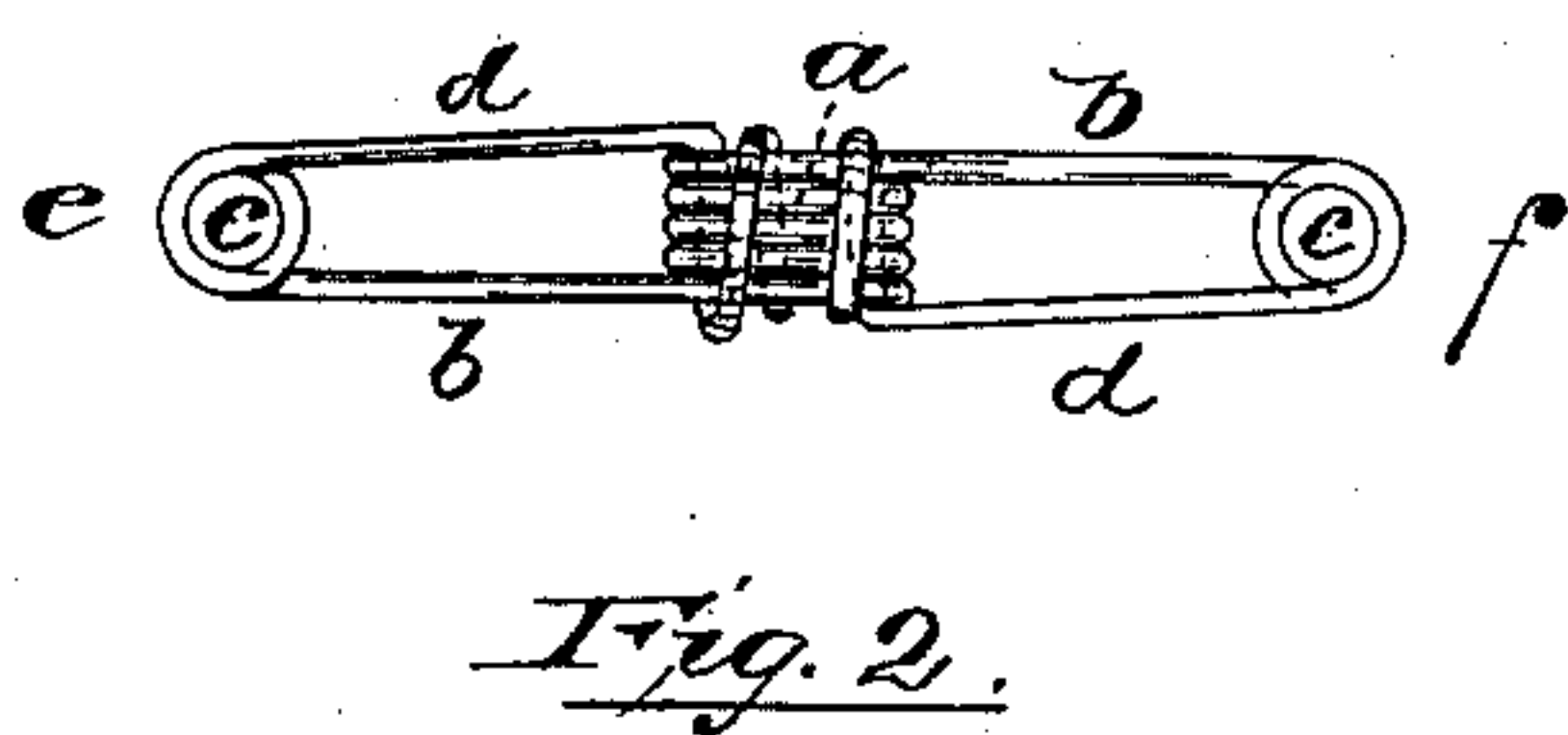
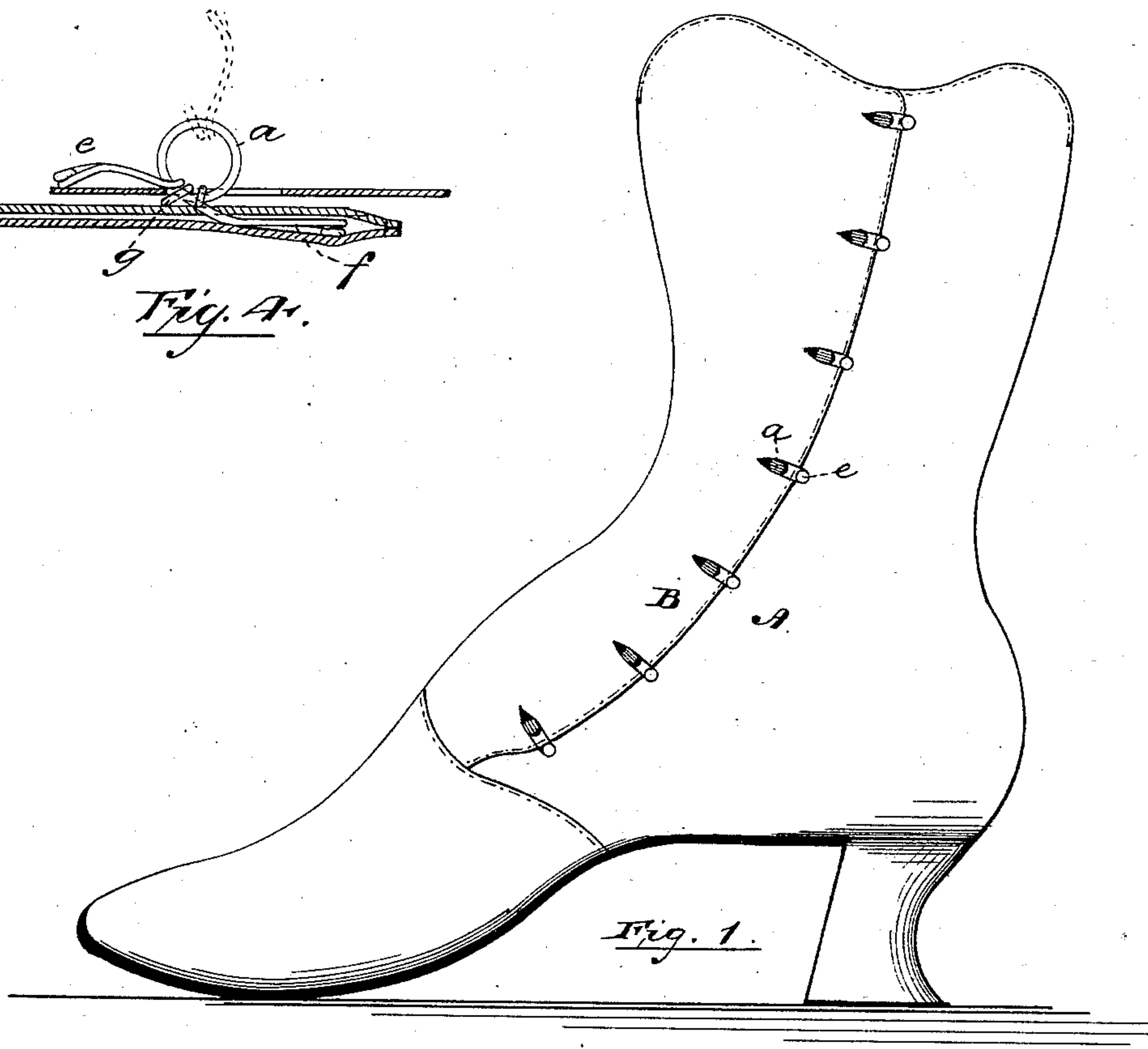
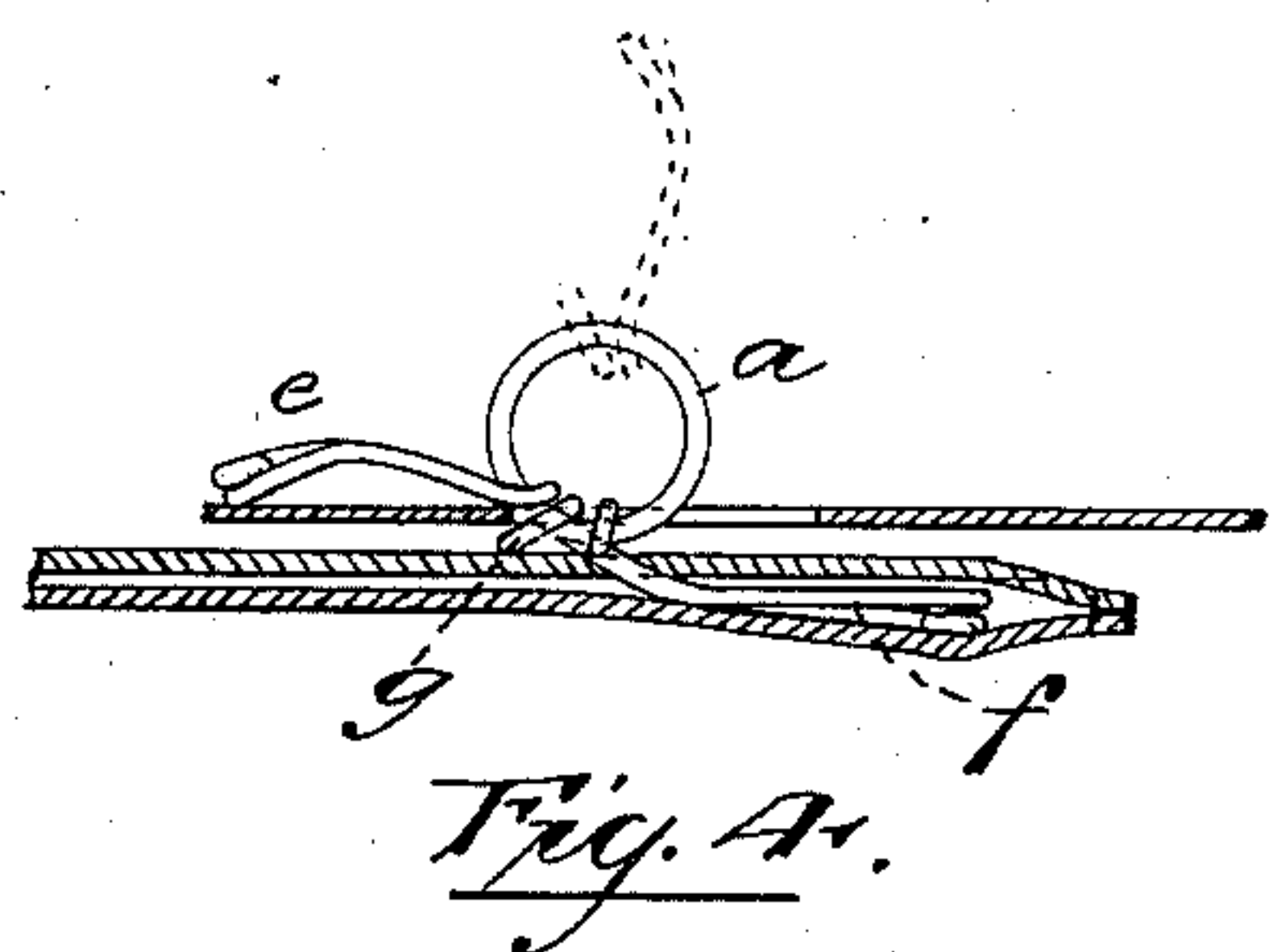


(No Model.)

F. JACOB.  
SHOE FASTENER.

No. 312,723.

Patented Feb. 24, 1885.



*Attest:*

*Frederick F. Campbell,*  
*Ernest D. Winand.*

*Inventor:*

*Frederick Jacob,*  
*by Drake & Co., atty.*

# UNITED STATES PATENT OFFICE.

FREDERICK JACOB, OF NEWARK, NEW JERSEY.

## SHOE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 312,723, dated February 24, 1885.

Application filed August 4, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK JACOB, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Shoe-Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to facilitate the operation of fastening shoes, gloves, corsets, and like articles of apparel; and it consists in the improved fastener, constructed substantially as will be hereinafter set forth, and embodied in the clauses of the claims.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a side elevation of a shoe having my improved fastener applied thereto. Fig. 2 is a plan of the fastener detached from the shoe. Fig. 3 is a side elevation of the same; and Fig. 4 is a sectional view of a portion of the shoe and side elevation of the fastener, illustrating more clearly the mode of attaching the fastener and operating the same.

In carrying out the invention I form the fastener of a piece of spring-wire by bending the same substantially as shown in Figs. 2 and 3, wherein said wire is shown to be centrally bent to form a coil or helix, *a*; then to extend oppositely, as at *b b*, and bent or coiled to form end edges, *c c*; then returned, as at *d d*, and the ends wound around through the helix, one end having a little larger sweep on the under side, as shown more clearly in Figs. 3 and 4, to form an abutment, *g*, against which the leather at the outer end of the button-hole draws, and holds the free arm *e* in a fastened relation to the said leather.

To adjust the fastener upon the shoe, I secure the arm *f* to the under side of the section or side *A*, the eye *c* and helix *a* serving as a means to receive the thread, the free arm *e* and helix remaining on the outer side of the said portion *A*. The spring or free arm *a* may be then raised, as indicated in Fig. 4, to allow the same to be thrust through the button-hole. The hand being removed from said arm the spring causes it to drop, and thus to bring the draft on the abutment which holds said arm in a fastening position.

The shoe may be unfastened by simply drawing the edge of the section *B* outward, which action raises the free arm and draws said section therefrom.

The fastener may be applied to corsets, gloves, and other articles with equal success.

Having thus described the invention, what I claim as new, is—

1. The improved fastener, essentially composed of a central spring and oppositely-extending arms *e f*, having eyes *c c*, substantially as and for the purposes set forth.

2. The improved fastener, essentially composed of the spring *a*, arms *e f*, and the abutment *g*, all said parts being arranged and operating substantially as and for the purposes set forth.

3. As an improved article of manufacture, the fastener composed of spring-wire centrally bent to form the coil or helix *a* outwardly extending, as at *b b*, coiled to form the eyes *c c*, returned, as at *d d*, and bent through the helix, all substantially as set forth and shown.

In testimony that I claim the foregoing I have hereunto set my hand this 31st day of July, 1884.

FREDERICK JACOB.

Witnesses:

CHARLES H. PELL,  
HENRY W. SANDFORD.