

(No Model.)

I. SOMMERFIELD.
HEEL FOR BOOTS OR SHOES.

No. 372,435.

Patented Nov. 1, 1887.

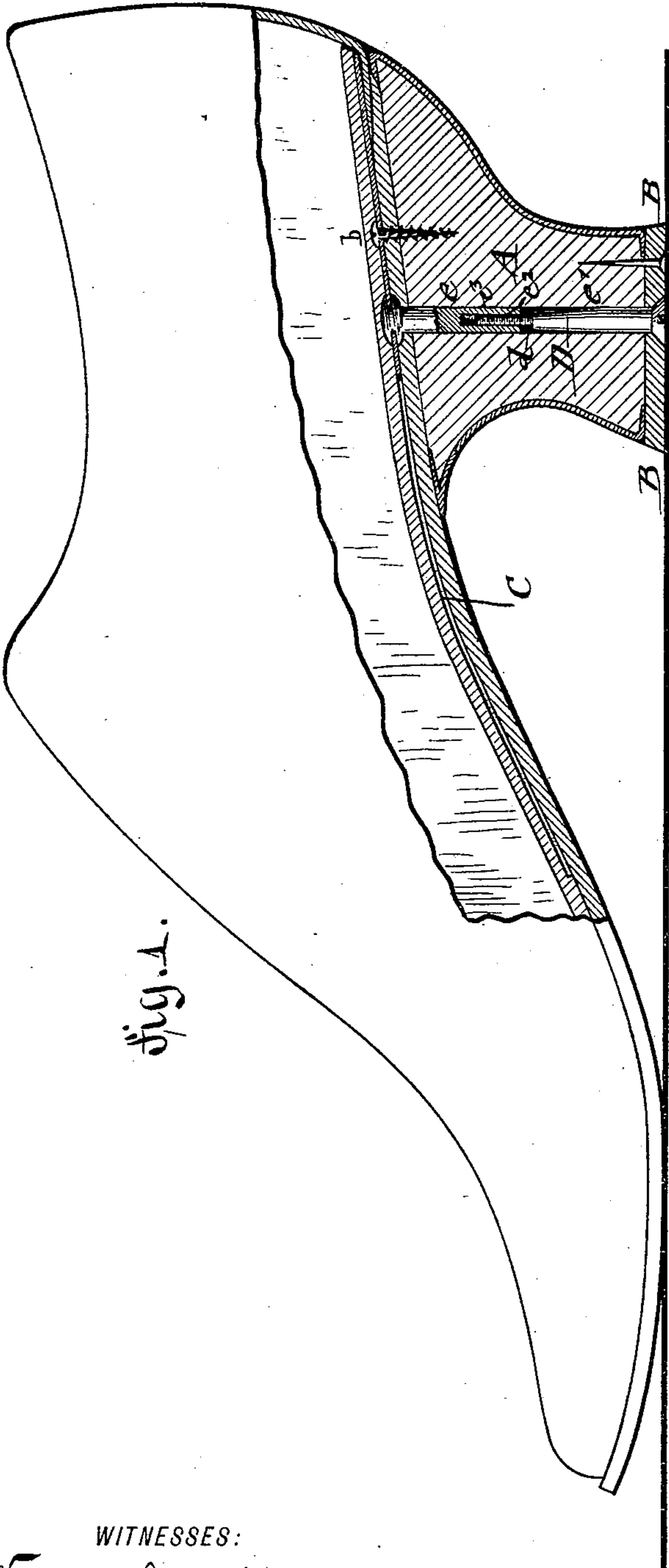


fig. 1.

fig. 2.

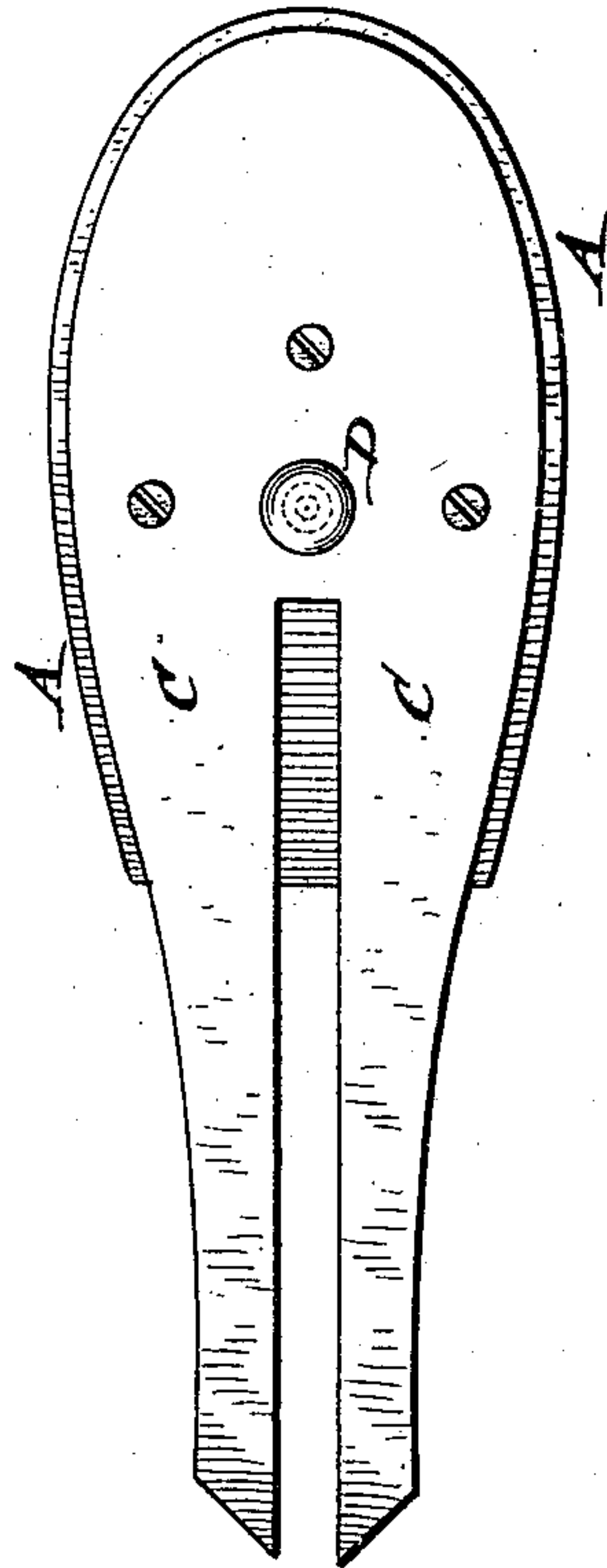
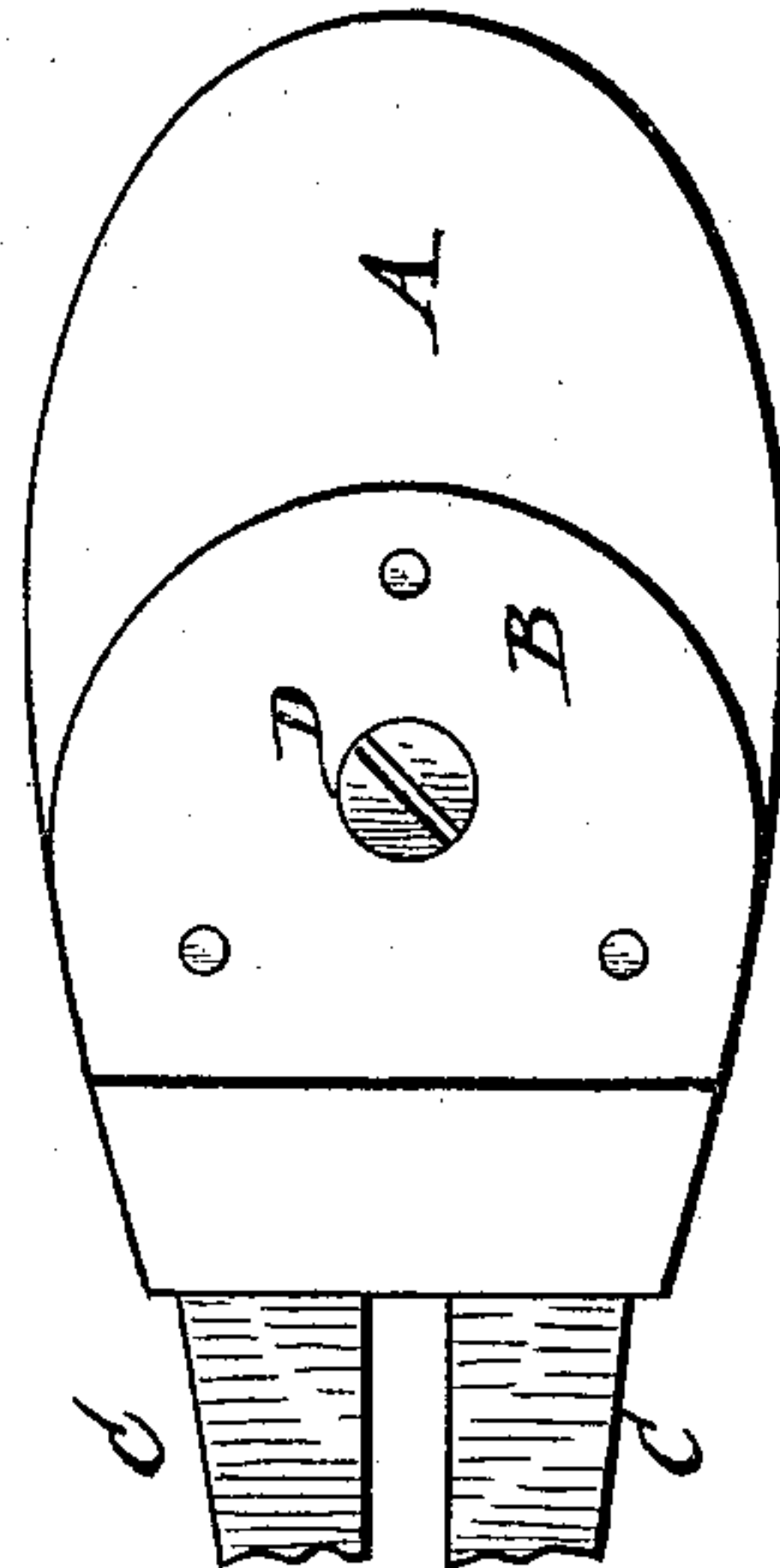


fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ISIDOR SOMMERFIELD, OF NEW YORK, N. Y.

HEEL FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 372,435, dated November 1, 1887.

Application filed November 26, 1886. Serial No. 219,867. (No model.)

To all whom it may concern:

Be it known that I, ISIDOR SOMMERFIELD, of the city, county, and State of New York, have invented certain new and useful Improvements in Heels for Shoes, of which the following is a specification.

This invention relates to an improved heel for ladies' and other shoes, by which the reliable connection of the heel and its top lift with the sole and spring-shank is obtained and the breaking off or dropping of the heel prevented; and the invention consists of a heel which is attached to the sole and spring-shank by a stay that passes through a hole in the heel and its top lift, said stay being formed of two headed sections, of which the upper one is riveted to the spring-shank and connected to the lower part by a screw-connection.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of a shoe with my improved heel, and Figs. 2 and 3 are respectively a top view and a bottom view of the heel.

Similar letters of reference indicate corresponding parts.

A in the drawings represents a heel for ladies' and other shoes, which heel is made of wood or other suitable material and provided at the bottom part with a top lift, B, of leather or some suitable fabric.

C represents the spring-shank, which is riveted to the head of a stay, D, that passes through a hole, *d*, of the heel A, said stay being formed of two sections, *e e'*, of which the lower part, *e'*, is provided with a nicked head, so that its threaded end portion, *e²*, which is of smaller diameter than the body of the stay, can be conveniently screwed into the interiorly-threaded socket *e³* of the upper portion, *e*, of the stay, as shown in Fig. 1. The two sections of the stay D, when screwed together, connect the spring-shank and sole with the heel and form a re-enforcing piece for the heel,

so as to render the same less liable to split and break. As the shank C is, furthermore, attached by screws *b* to the heel A, a reliable connection of the heel is formed with the shoe, which is still more increased by the binding action exerted by the two-part stay.

When the top-lift B gradually wears off, it may be readily replaced by a new one by unscrewing the lower section of the stay. By its elasticity it acts frictionally on the head of the lower section, *e'*, of the stay C and prevents the same from unscrewing and getting detached. When the top-lift is partly worn, the lower section of the stay is screwed home by a few turns imparted by a screw-driver, and thereby a rigid and reliable connection of the heel with the sole and spring-shank re-established.

By riveting the upper section of the bolt to the shank-piece said upper section is held securely and cannot turn when the lower section is screwed into it. Furthermore, the cost of riveting on said upper section is much less than making said upper section integral with the shank-piece.

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

The combination, with a sole and spring-shank of a shoe, of a solid heel having a top lift, and a stay passing through a hole of the heel and top lift, said stay being made of two headed sections, the upper section of which is riveted to the spring-shank and provided with a threaded socket, while the lower section has a threaded shank fitting into the socket of the upper section, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

ISIDOR SOMMERFIELD.

Witnesses:

PAUL GOEPEL,
MARTIN PETRY.