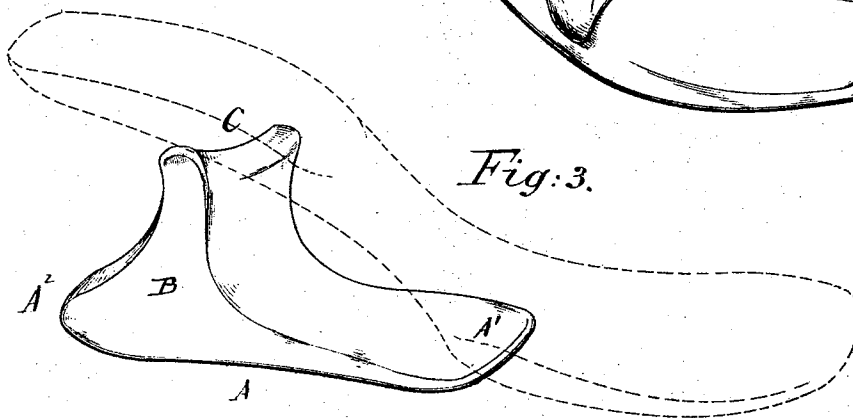
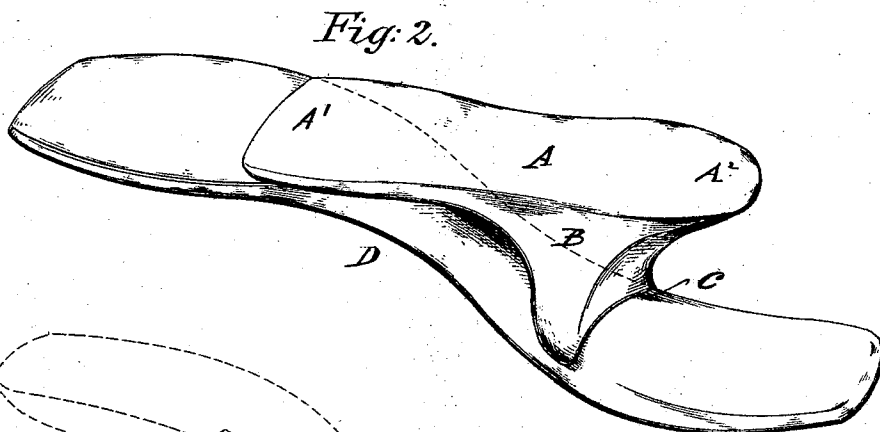
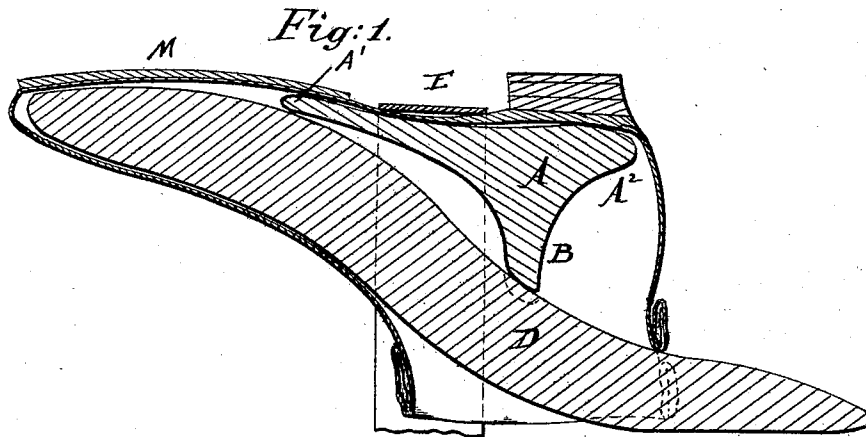


(No Model.)

G. MEERMANN.
LAST.

No. 498,478.

Patented May 30, 1893.



WITNESSES:

Charles Salvoeder.
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UNITED STATES PATENT OFFICE.

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LAST.

SPECIFICATION forming part of Letters Patent No. 498,478, dated May 30, 1893.

Application filed February 20, 1893. Serial No. 463,011. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV MEERMANN, a citizen of Germany, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Heel-Irons, of which the following is a specification.

This invention relates to a new and improved heel-iron to be used in combination with the ordinary sole-iron in repairing boots and shoes.

In the accompanying drawings, Figure 1 is a vertical longitudinal sectional view of an inverted shoe showing my improved heel-iron in combination with the ordinary sole-iron, in said shoe. Fig. 2 is perspective view of my improved heel-iron in combination with the ordinary sole-iron in position when in the shoe, and Fig. 3 is a perspective view taken from the top of my improved heel-iron.

Similar letters of reference indicate corresponding parts.

The heel-iron A has approximately an L-shape and is constructed with a base A', the under side of which is curved in the same manner as the heel part of the sole of the human foot, and the upper surface is gradually reduced in width and increased in thickness from one end toward an upwardly projecting lug B formed on the top of said base a short distance from the other end, the rear surface of said lug B being curved toward the other end A' of the base. Said lug is contracted at about the middle of its height and then flared upward and outward and is provided at its top with a recess C for receiving part of the ordinary sole-iron D. In using my improved heel-iron the same is first placed in the heel part of the shoe M, and then the sole iron D is inserted, the sole iron resting on the end A' of the base of the heel-iron which end of the base is slightly recessed transversely on its upper surface, the heel-iron D also resting on the notch C of the up-

wardly projecting lug B, as shown in Figs. 1 and 2. The operator rests the inverted shoe on his legs in the usual manner. This strap serves to hold the shoe firmly and securely on the sole-iron D and heel-iron, thus permitting both hands to be used while working on the shoe or boot. Heretofore the sole-iron alone was used in repairing shoes and the cap of the shoe or boot rested on the sole-iron and was more or less injured and damaged thereby. By using my improved heel-iron, the cap of the heel is held clear of the sole and there is no danger of mutilating or injuring said cap. The heels can easily be cut and trimmed while the shoe is on the irons and in no case is it necessary to remove the shoe from the irons, and both hands can always be used for working on the heel or sole.

I am aware that heel plates are fixed on standards for the purpose of holding shoes while repairing or soling them, but they differ from my invention as my heel-iron is to be used in combination only with the ordinary sole-iron and is not to be held on a standard but to be held by the same strap that serves to hold the shoe in place on the knee. Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A heel-iron, composed of a base having an upwardly projecting lug a short distance from one end, the front end of the base being slightly recessed, the rear end rounded and the upper surface of said base rising toward the said lug, which lug has a recess at its upper end, in combination with a sole-iron 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.

GUSTAV MEERMANN.

Witnesses:

OSCAR F. GUNZ,

CHARLES SCHROEDER.