

E. HARTSIG.
Sad-Iron Shoe.

No. 163,487.

Patented May 18, 1875.

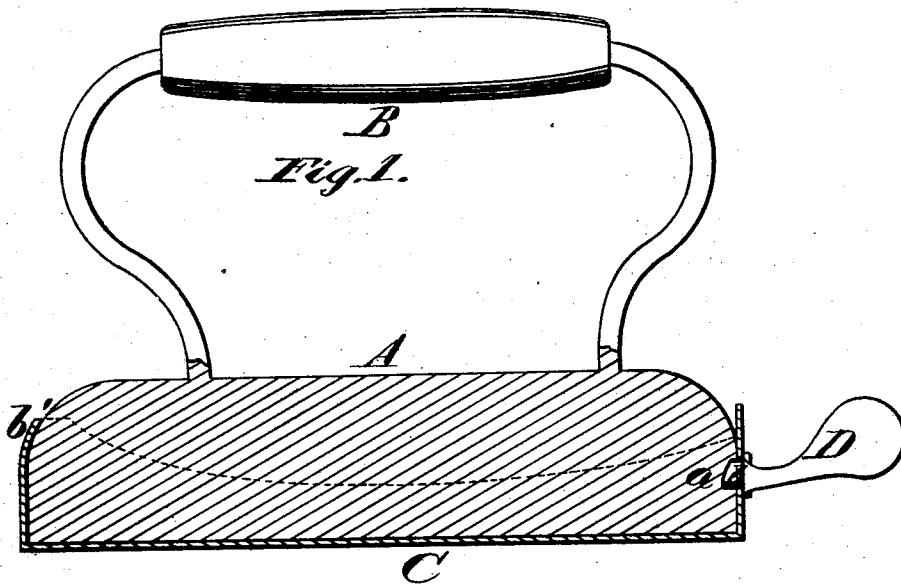
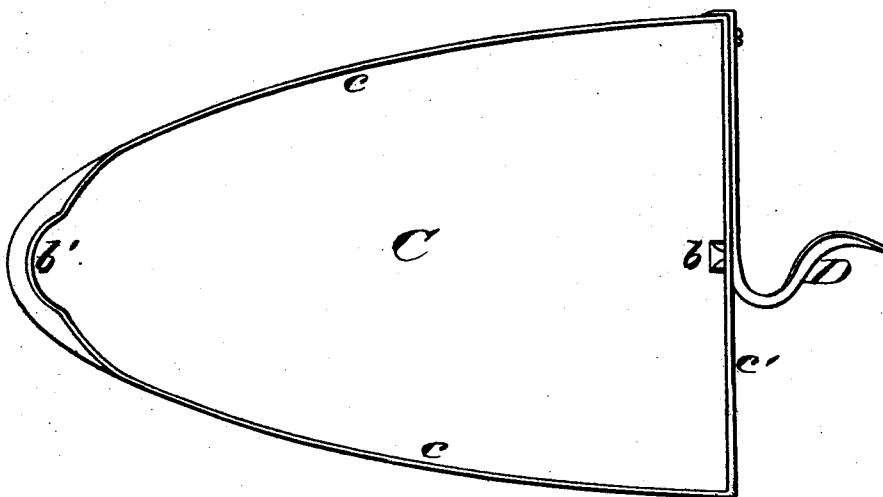


Fig. 2



WITNESSES

Mary E. Utley.
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INVENTOR

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UNITED STATES PATENT OFFICE.

EMIL HARTSIG, OF NEW YORK, N. Y.

IMPROVEMENT IN SAD-IRON SHOES.

Specification forming part of Letters Patent No. **163,487**, dated May 18, 1875; application filed December 12, 1874.

To all whom it may concern:

Be it known that I, EMIL HARTSIG, of New York, in the county of New York and State of New York, have invented a new and valuable Improvement in Sad-Iron Shoes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a longitudinal vertical section of my device, and Fig. 2 is a plan view of the same.

The object of my invention is to improve means for attaching polished shoes to sad-irons, the shoes being separable from the irons at pleasure, so that it will not be necessary to expose the shoes to the fire. The nature of my invention and improvement consists in applying a beveled spring-catch to the heel of a detachable shoe, and making a recess in the heel of the sad-iron to receive said catch, whereby a single catch in combination with a beveled lip on the front end of the shoe, will hold the latter securely in place on the sad-iron, as will be understood from the following description.

In the annexed drawings, A designates the body of a sad-iron of the usual well-known construction, with this exception, that a hole, *a*, is made in the heel for the purpose of receiving a catch, *b*. The handle of the sad-iron is designated by the letter B. C designates the shoe, which is made of any suitable metal that will take a fine polish. This shoe is of the

same shape as the body A of the sad-iron, and it is surrounded by flanges *c c c'*. The upper edge of the flange at the front end of the shoe is turned over, as indicated by the letter *b'*, which portion receives under it the nose of the body of the sad-iron, as shown in Fig. 1, and thus holds the front end of the shoe C. D designates a spring finger-piece, which is rigidly secured to the outer side of the flange *c'*, and to which the catch *b* is fixed. This catch is beveled like the catch of a door, and it plays freely through the flange *c'*, so that it will enter the hole *a* and hold the shoe C firmly on the sad-iron.

It will be seen from the above description, that when the nose of the sad-iron is introduced beneath the lip *b'*, and the heel of the body A is pressed down into the shoe, the catch *b* will spring into the hole *a*. This attachment of the shoe can be done quickly and without taking hold of the spring-finger.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with an ordinary sad-iron, having at its heel a hole, *a*, of the sad-iron shoe C, having the front lip *b'*, spring-finger D, and bevel-catch *b*, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

EMIL HARTSIG.

Witnesses:

LEOPOLD DAVIS,
D. D. KANE.