

E. H. STOLL.
SAD IRON SHOE.
APPLICATION FILED MAY 13, 1910.

990,922.

Patented May 2, 1911.

Fig. 1.

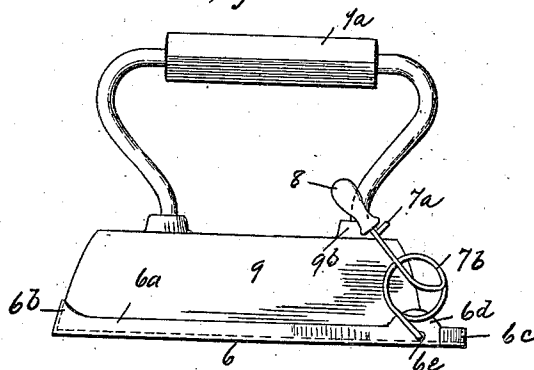


Fig. 2.

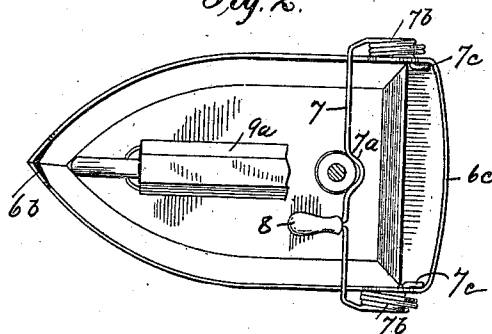


Fig. 3.

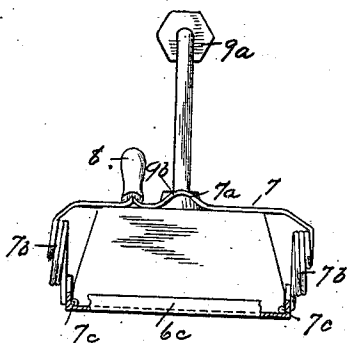


Fig. 4.

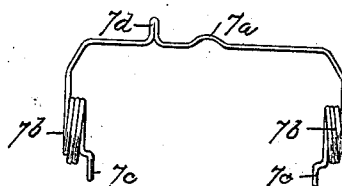
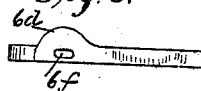


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

ERNEST H. STOLL, OF CHICAGO, ILLINOIS.

SAD-IRON SHOE.

990,922.

Specification of Letters Patent.

Patented May 2, 1911.

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To all whom it may concern:

Be it known that I, ERNEST H. STOLL, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sad-Iron Shoes, of which the following is a specification.

My invention relates to improvements in attachments for sad irons of the class designed to cover the face or ironing surface of the iron and to provide therefor a smooth surface plate which can be attached to and detached from the iron so that it may be kept clean and is not subjected to the direct heat of the stove but obtains its heat by radiation from the body of the sad iron.

The particular object of the improvements which form the subject matter of this application for patent is to provide a shoe of the class stated that may be quickly and easily attached to and detached from a sad iron of the common form in which the handle and body are in one piece, or of the form in which the handle is detached from the body of the iron.

A further object of my improvements, is to provide a form of shoe that is adaptable to the styles of irons that are pointed at both ends as well as those that are straight or square at the heel.

A still further object is to provide a shoe that will be clamped to the body of the iron both at the toe and heel of the latter, and that will adjust itself to slight variations in both the length and height of the bodies of the iron to which it is adapted.

Other objects of general utility, strength, and simplicity of construction are subserved by my improved sad iron shoe as will be apparent to those skilled in the art.

In the accompanying drawing I have shown a preferred adaptation of my invention in the following views:—

Figure 1 is a view in side elevation of my device applied to a common sad iron; Fig. 2 is a top plan view of the device with a portion of the iron broken away; Fig. 3 is a rear elevation of the device applied to a sad iron with a portion of the shoe broken away; Fig. 4 is an elevational view of the retaining spring; Fig. 5 is a fragmentary view showing a slight modification in the shoe.

Referring to the details of the drawing 6 represents generally, the improved sad iron shoe which forms the subject matter of this application, the same consisting of a single

piece of thin sheet metal formed with a peripheral flange 6^a along its opposite sides. At the front or toe of the shoe the flange is made slightly higher and is inclined inwardly as at 6^b so as to overhang the corresponding portion of the body of the sad iron. At the rear or heel the flange is rounded as at 6^c and between the rounded portion and the side portion of the flange are two upwardly extending ears 6^d in the base of which are provided holes 6^e, or a slot 6^f, as shown in Fig. 5. It will be understood that the shoe with the flanges and ears described are integrally formed by suitable stamping operations.

Attached to the shoe by engagement with the holes 6^e (or slots 6^f) is the retaining spring represented generally by the numeral 7. This spring is formed from a single piece of spring wire bent to provide a rearwardly curved portion 7^a which is located midway between the coiled springs 7^b. The ends of the springs 7^c extend on the inner side of the flange 6^a and project rearwardly toward the heel flange 6^c as clearly shown in Fig. 2. The spring at a point at one side of the bend 7^a is doubled upon itself as at 7^d to receive the handle 8 which is preferably made of wood and is adapted to be grasped by the fingers of the operator in attaching or detaching the shoe.

In applying my improved shoe to a sad iron the operator grasps the handle 9^a of the iron with one hand and inserts the toe of the iron in the overhanging toe flange 6^b, and with the other hand retracts the spring 7 by pulling backwardly on the handle 8 so as to allow the heel of the iron to enter the rear portion of the shoe, whereupon by releasing the handle the tension of the springs 7^b is exerted to throw the spring 7 forward against the boss 9^b of the iron so that the bent portion 7^a embraces said boss and thus centers the shoe and the mid-portion of the spring 7 rests upon the upper side of the body of the iron.

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

1. A sad-iron shoe consisting of a plate adapted to cover the bottom of a sad-iron, and means for detachably securing said shoe to a sad-iron, said means comprising a spring member having coils connected with the shoe at each side of the body of the iron, said spring also having a central portion adapted to press downwardly upon the body

of the iron, and having a handle arranged between said coils and projecting upwardly from the iron.

2. A sad-iron shoe consisting of a plate
5 adapted to cover the bottom of a sad iron, and means for detachably securing said shoe to a sad-iron, said means comprising a spring member connected with the heel portion of the shoe and having portions adapted
10 ed to press upon the body of the iron on

opposite sides of the iron handle and a portion adapted to embrace the handle of the said iron, and a handle on said spring member.

In testimony whereof I affix my signature 15
in the presence of two witnesses.

ERNEST H. STOLL.

Witnesses:

H. DELOS HIGMAN,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
