

H. I. BLATTLE.
SAD IRON SHOE.
APPLICATION FILED SEPT. 27, 1911.

1,023,802.

Patented Apr. 23, 1912.

Fig. 1.

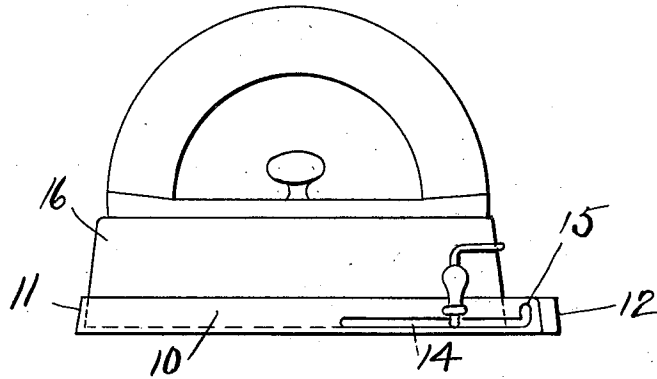


Fig. 2.

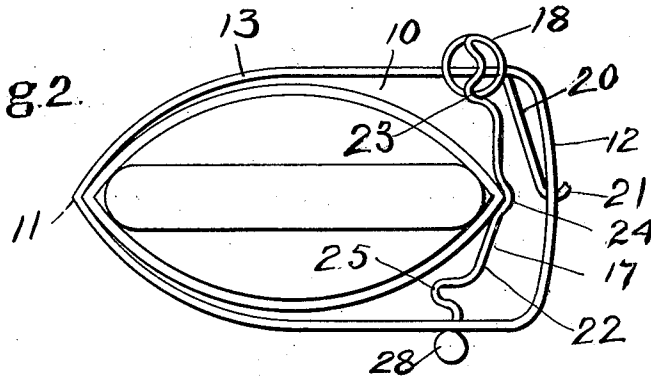
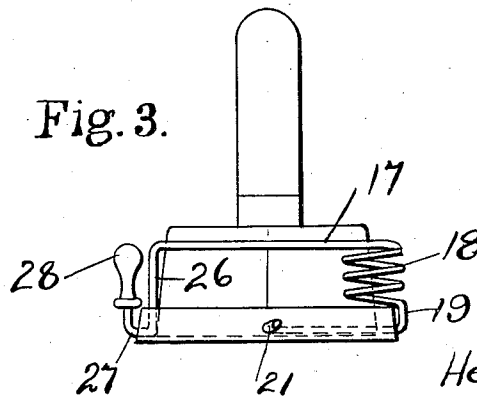


Fig. 3.



Witnesses

Chas. W. Eddy.
M. E. Stokes

By

Inventor

Herman I. Blattle.

Howard E. Barlow

Attorney

UNITED STATES PATENT OFFICE.

HERMAN I. BLATTLE, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR OF TWO-THIRDS TO
PAUL NEWMAN, OF PROVIDENCE, RHODE ISLAND.

SAD-IRON SHOE.

1,023,802.

Specification of Letters Patent.

Patented Apr. 23, 1912.

Application filed September 27, 1911. Serial No. 651,572.

To all whom it may concern:

Be it known that I, HERMAN I. BLATTLE, a citizen of the United States, residing at the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Sad-Iron Shoes, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to detachable shoes for sad irons and has for its object to provide a shoe of this class that may be quickly and easily attached to and detached from the body of the iron.

A further object of my invention is to provide a spring arm on the shoe having one free end that may be readily operated to cause the arm to engage and retain irons of different sizes or shapes. And a still further object of the invention is to provide simple and effective means whereby the retaining arm may be removed from the iron and held in an inoperative position when it is desired to release and replace a cold iron with a hot one, and be easily released from its inoperative position, to automatically engage the fresh iron to hold it in position in the shoe.

Figure 1— is a side elevation illustrating my device as applied to a common sad iron. Fig. 2— is a top plan view of the device showing the retaining arm engaging the end of a sad iron. Fig. 3— is a rear view of my device applied to a sad iron.

Referring to the drawing 10 designates my improved sad iron shoe the same comprising a thin piece of flat sheet metal pointed at one end 11 hereinafter called the toe and substantially square at the opposite end 12 hereinafter called the heel. A peripheral flange 13 is formed all around the edge of the shoe, one side of said flange being provided with a longitudinal slot 14 the rear end of which slot is provided with an upwardly turned notch or recess 15. The front or toe of the shoe is preferably made slightly inclined to correspond with and better engage the end of the sad iron 16.

In order that this shoe may be readily attached to and detached from a sad iron I have provided a spring arm 17 provided with a coil 18 and having one end extending downwardly and inwardly as at 19 and passing through the flange of the shoe from the outside inwardly and then crossing over as at 20 and projecting out through the rear

flange as at 21 whereby said end is firmly retained in position in the shoe. The coil 18 is held at one side or edge of the shoe and the main arm 22 of the wire leading from the coil is then bent slightly forward forming a protuberance as at 23 then bent slightly backward and carried across being bent outward as at 24 forming a recess or notch practically at the middle portion of the shoe for engaging the end of a pointed iron in the manner illustrated in Fig. 2. The wire then extends farther across and is provided with another forwardly extending protuberance 25, it is then turned downward as at 26 (see Fig. 3) and outward as at 27 through the slot 14, the end is then turned upward and provided with an operating handle 28 by which this spring arm may be actuated. The normal tension of this arm due to the action of the coil 18 is to carry the free end forward and also upward so that when this arm is engaged by the hand of the operator and moved backward or toward the heel of the shoe, it will automatically rise and engage the recess 15 thereby locking itself in its inoperative position.

In practice when it is desired to remove an iron from the shoe it is only necessary to engage the handle 28 and swing the free end of the spring arm 17 backward, where it will automatically engage the notch 15 and be held in its inoperative position. The iron now being disengaged may be freely removed and a fresh one inserted to take its place, it is only necessary for the operator to now place his finger lightly upon the handle 28 thereby carrying downward this end of the arm causing it to pass out of the notch 15 thus releasing it to spring forward and automatically engage the rear end of the iron pressing it forward so that its front end engages the toe of the shoe and it is firmly retained in position therein.

The two protuberances 23 and 25 are for the purpose of engaging an iron having a square heel while the recess 24 in the spring arm is for the purpose of engaging and better retaining an iron that is pointed at its rear as well as at its forward end such as that illustrated in the drawing.

I claim—

1. A sad iron shoe comprising 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 an arm

having a forward spring tension and having one end held near the rear and on one side of the shoe and the opposite end free to be moved manually longitudinally backward
5 whereby the shoe is permitted to receive the iron and said arm being then adapted to contact directly against the rear end of the said iron to hold the same by a forward
10 spring pressure whereby irons of different sizes and shapes may be held in a single shoe, and means for retaining the free end of said arm to withhold the same from engagement with the iron in the shoe.

2. A sad iron shoe comprising a plate
15 adapted to cover the bottom of a sad iron and means for detachably securing said shoe to a sad iron, said means comprising an arm having one end held by a spring coil near the rear and on one side of the shoe said spring
20 having a forward tension the opposite end of said arm being free to be moved laterally, said shoe having a flange provided with a longitudinal slot through it, said arm extending laterally across the shoe its free end
25 projecting through said slot and provided with a handle by which said free end may be swung back against its tension whereby the shoe may receive and the arm be permitted

to directly engage the rear end of a sad-iron to hold the same by a forward pressure.

3. A sad iron shoe comprising a plate
30 adapted to cover the bottom of a sad iron and means for detachably securing said shoe to a sad iron, said means comprising an arm having a spring coil held near the rear and
35 on one side of the shoe and having a forward tension said shoe having a flange provided with a longitudinal slot therethrough and said slot being provided with a recess
40 near its rear end said arm extending laterally across the shoe its free opposite end projecting through said slot and having a handle by which it may be swung back
45 against its tension whereby it may receive and be permitted to engage the rear end of and retain sad-irons of different sizes and shapes with a forward pressure, said recess
50 in said slot being adapted to receive the free end of said spring arm and retain the same in an inoperative position.

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

HERMAN I. BLATTLE.

Witnesses:

HOWARD E. BARLOW,
E. I. OGDEN.