(Model.)

R. OLP.

SAD IRON.

No. 386,259. Patented July 17, 1888.

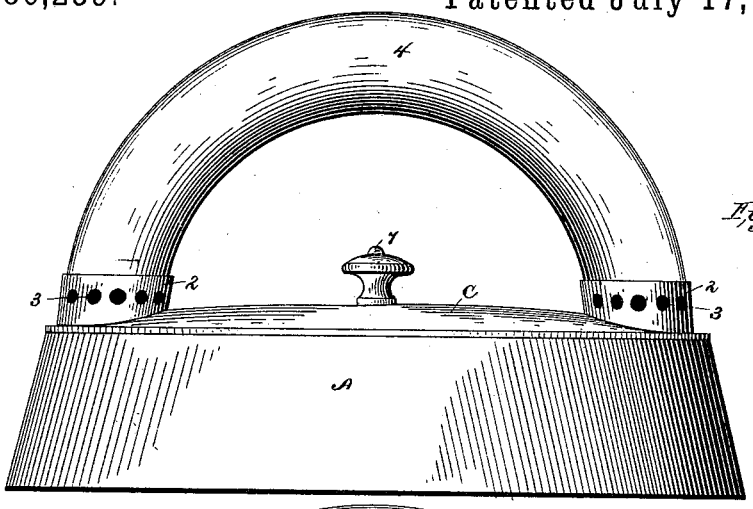

Fig. 1.

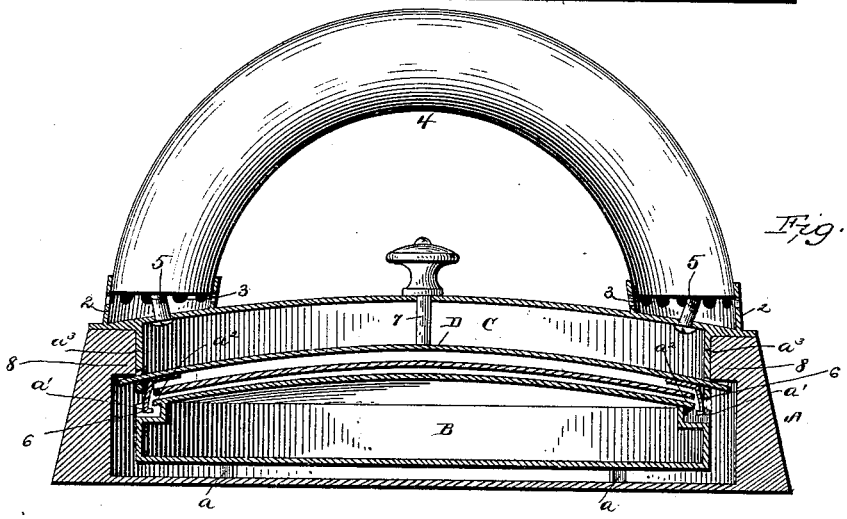

Fig. 2.

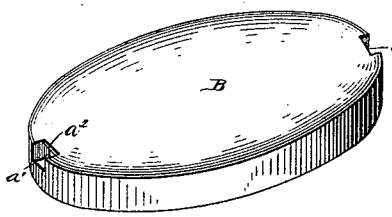

Fig. 3.

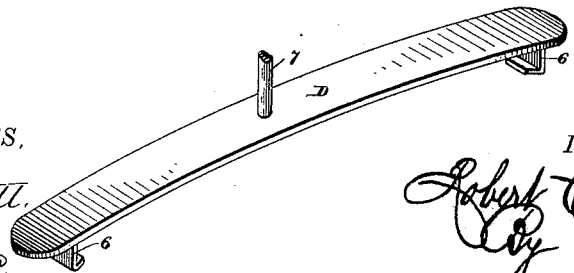

Fig. 4.

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UNITED STATES PATENT OFFICE.

ROBERT OLP, OF WAKEFIELD, MICHIGAN.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 386,259, dated July 17, 1888.

Application filed December 19, 1887. Serial No. 258,254. (Model.)

To all whom it may concern:

Be it known that I, ROBERT OLP, a citizen of the United States of America, residing at Wakefield, in the county of Gogebic and State of Michigan, have invented certain new and useful Improvements in Sad-Irons, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention pertains to certain new and useful improvements in sad-irons, having reference to that class employing a removable top and a box or receptacle for the heating medium or "copper."

The invention therefore comprises the details of construction and combination and arrangement of parts, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation of my improved sad-iron. Fig. 2 is a central longitudinal sectional view thereof. Fig. 3 is a view of the heating medium or copper, and Fig. 4 is a detail perspective view of the retaining spring-plate.

Referring to the drawings, A indicates the box or receptacle, the bottom of which is made of thin metal. To the sides of this box or receptacle, near their bottom edge, are secured short ears or lugs *a a*, as shown.

B is the heating medium or copper, the general outline of which conforms to the inner surface of the sides of said box or receptacle, said copper being designed to rest on the ears or lugs *a*, so as not to touch the inner surface of the bottom, and yet be held in close proximity thereto. In the ends of this copper are formed grooves or recesses *a' a'*, which extend a short distance under the top wall of said copper, so as to form shoulders a^2.

It will be understood, of course, that the heating medium or copper is heated by being placed on or in a suitable heating-stove, as customary.

C is the lid or cover, provided with a continuous depending flange, a^3, and at each end with upwardly-projecting circular extensions or rings 2 2, wherein are formed a series of openings or apertures, 3, as shown. The ends of the handle 4 are secured in the upper ends of these apertured extensions or rings 2, and are held in position by screws 5, passed up through the lid or cover and through the center of said extensions or rings. The object of this arrangement is to permit of the free circulation of air in said apertured extensions or rings, and thereby prevent the handle being affected by the heat of the lid or cover of the iron.

D is a spring-plate, the curved ends of which are passed through slots formed in the opposite ends of the flange a^3 of the lid or cover. To this spring-plate on the inner sides of said flange are secured depending hooks 6 6, and to the center of said plate is secured one end of a short vertical rod, 7, the upper knobbed end of which is projected through a central aperture of the lid or cover. The projecting ends of the spring-plate D are designed in practice to bear against the under side of shoulders 8 8, formed at each end of the box or receptacle A.

In practice, when it is designed to place the heating-copper within the box or receptacle, the operator grasps the handle 4 of the lid or cover and places the latter on the top of said copper, when, by pulling upward on knobbed rod 7, the center of the spring-plate D will be raised, causing the drawing inward of the ends thereof, and causing the hooks 6 to come in contact with the shoulders a^2 of the said copper, whereupon the parts are firmly interlocked and said copper is placed within the box or receptacle, when, by releasing the hold on the knobbed rod 7, the projecting ends of the spring-plate D will be projected under the shoulders 8 of the box or receptacle A, thus firmly locking the parts together. When it is desired to remove said copper, so as to replace it, the same is likewise effected by pulling on the knobbed rod, causing the freeing of the ends of the spring-plate from contact with the shoulders 8 and the engagement of the hooks with shoulders of said copper.

From what has been said it will be seen that my improved sad-iron is simple, cheap, and effective, and that by reason of the space formed between the heating-copper and the bottom of the box or receptacle the latter is always kept bright and will not tarnish, as occurs when the heated copper is in direct contact with the bottom of the iron.

I claim as my invention—

1. In a sad-iron, the combination, with the box or receptacle and the copper disposed therein, provided with end recesses, of the removable lid or cover, the spring-plate located within said lid or cover and having hooks projecting through lower apertures of said lid or cover and designed to enter said end recesses, and the knobbed rod secured to said spring-plate and projected through a central aperture in said lid or cover, substantially as shown and described.

2. The combination, with the box or receptacle having shoulders at its ends, of the removable lid or cover, the spring-plate located within said lid or cover and having its ends projecting through end apertures thereof and designed to engage with said shoulders, and the knobbed rod secured to said spring-plate and projected through a central aperture in said lid or cover, substantially as shown and described.

3. The combination, with the box or receptacle having the shoulders at its ends, of the copper provided with recesses, the lid or cover, the spring-plate having projecting ends and depending hooks, and the knobbed rod, substantially as shown and described.

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

ROBERT OLP.

Witnesses:
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