

(No Model.)

J. H. WATSON.

SAD IRON HEATER.

No. 364,069.

Patented May 31, 1887.

Fig. 1.

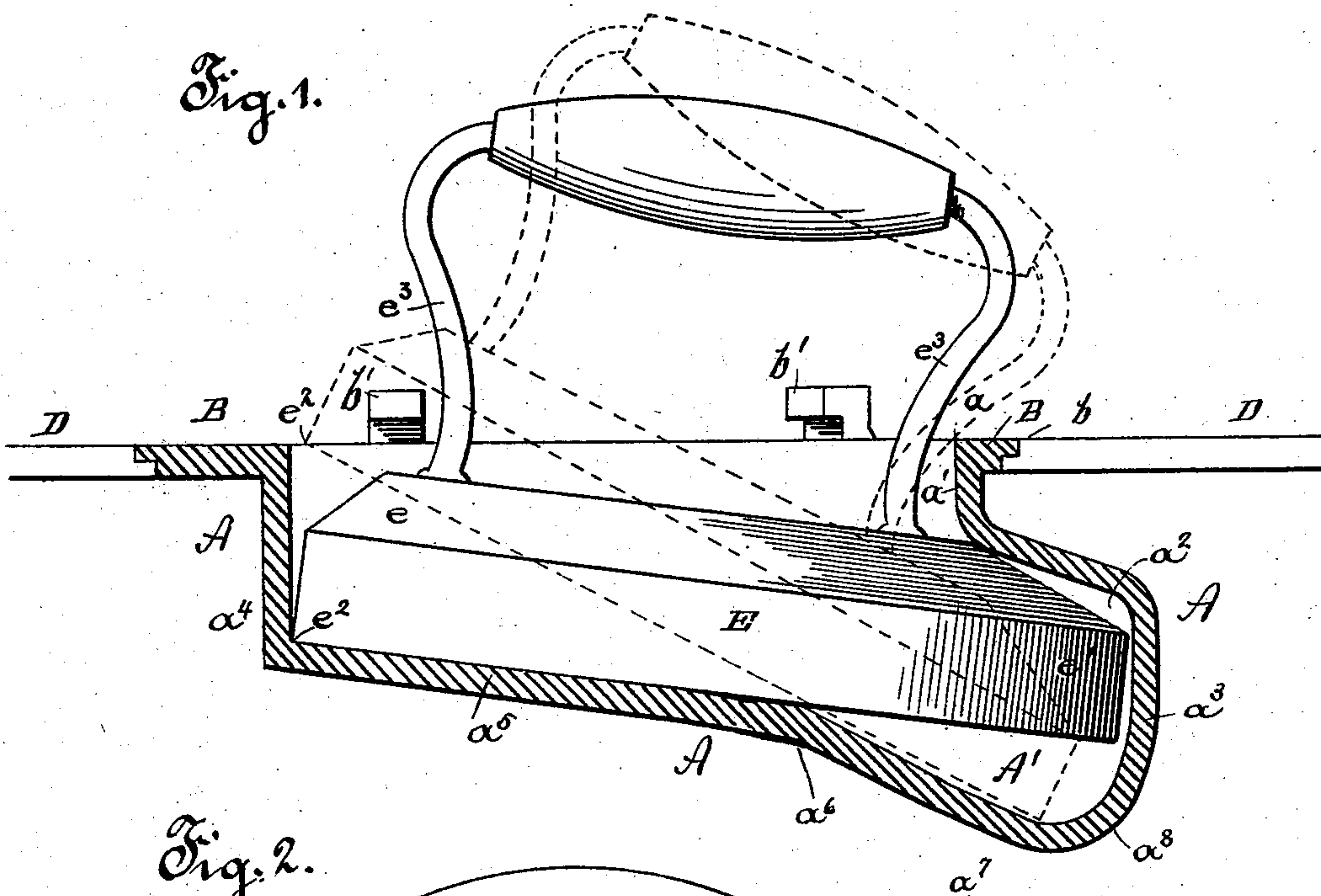
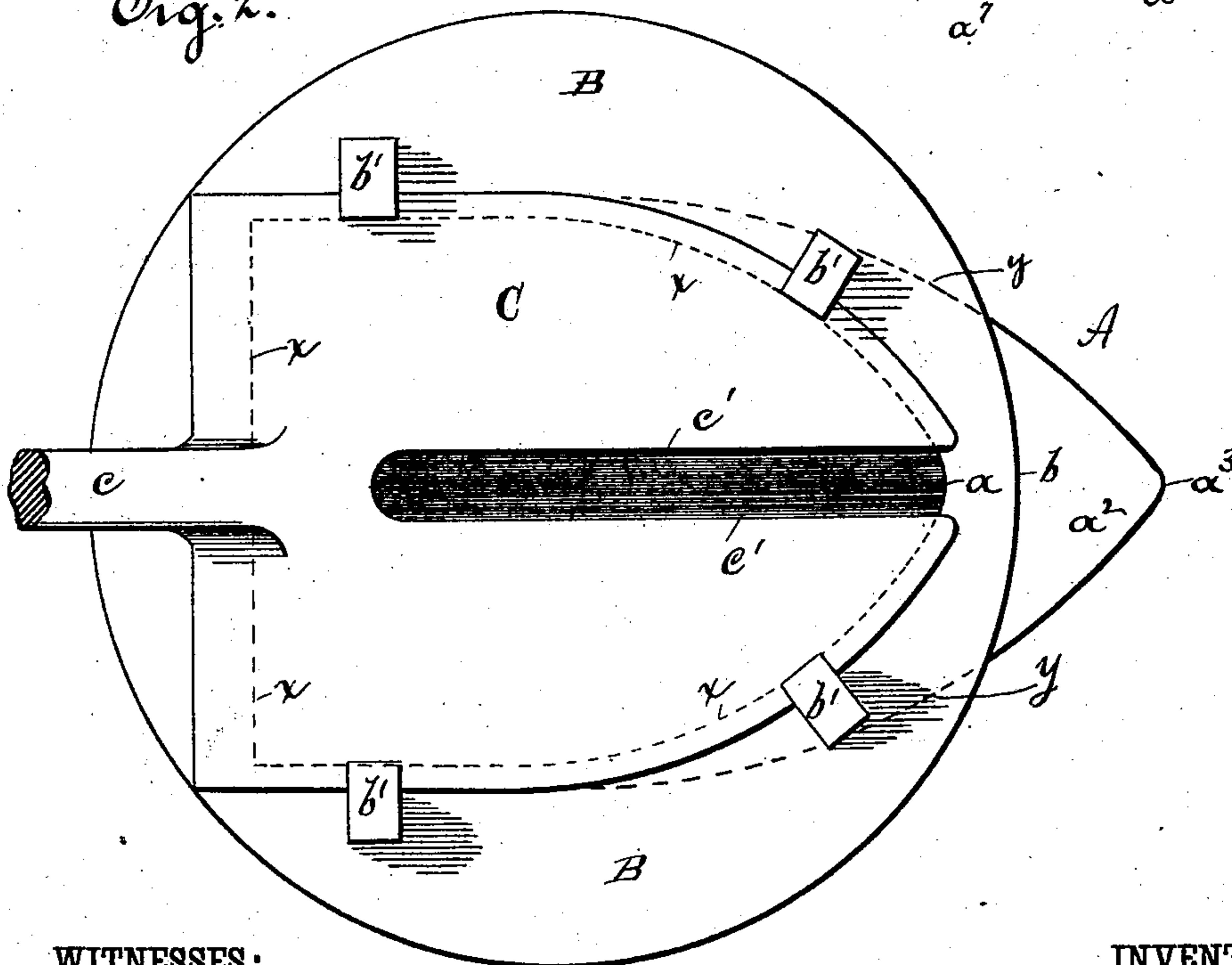


Fig. 2.



**WITNESSES:**

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# UNITED STATES PATENT OFFICE.

JOSEPH HARDY WATSON, OF SAVANNAH, GEORGIA.

## SAD-IRON HEATER.

SPECIFICATION forming part of Letters Patent No. 364,069, dated May 31, 1887.

Application filed June 16, 1886. Serial No. 205,345. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH HARDY WATSON, of Savannah, in the county of Chatham and State of Georgia, have invented a new and Improved Sad-Iron Heater, of which the following is a full, clear, and exact description.

The invention relates to a heater adapted to a stove-top hole, in which a sad-iron may be placed to heat it without contact with soot, dust, or grease; and the invention has for its object to provide a simple, inexpensive, and effective device of this character.

The invention consists in certain novel features of construction and combinations of parts of the heater, all as hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a longitudinal vertical section of my improved sad-iron heater, with the iron held therein, and showing also in dotted lines the manner of placing the iron in and removing it from the heater, the cover of the heater being removed and portions of the stove top also being shown; and Fig 2 is a plan view of the heater with the cover applied to it and the cover-handle partly broken away.

I make the sad-iron heater with a box, A, which receives the sad-iron, and is fixed to a plate, B, which is adapted to fit a stove-top hole, and with a cover, C, adapted to close the opening at the top of the box A, through which opening (shown by dotted lines  $x$  in Fig. 2) the body of the iron is passed.

It is desirable that a sad-iron heater should be inexpensive, that it should be attached to a plate adapted to a single hole of a stove-top, and that said plate should be of a size to fit the holes of stoves most commonly used as cook-stoves, and that the box on this plate be capable of holding a No. 8, or large iron used by most housekeepers.

The peculiarities in the construction of my sad-iron heater, arising chiefly from the shape of the box which holds the body of the iron, and the position of the box relatively to the plate or cover to which it is attached, allows a No. 8 sad-iron to be placed in a heater having a plate or cover fitting the hole of a No. 7

stove, and which, as far as I know, has not before been accomplished, and which very largely increases the practical utility of a device of this character.

Referring to the drawings, it will be noticed that the front or point  $a$  of the opening at the top of the heater which leads to the iron-holding box A is well toward the front edge,  $b$ , of the plate B, which fits a hole in the stove-top D, thence the short front wall,  $a'$ , of the box A extends downward vertically for a distance a little greater than the thickness of the cover-plate B, and from the lower edge of this wall  $a'$  the box A extends to form a nose,  $a^2$ , which reaches forward considerably in front of the edge  $b$  of the cover-plate and ranges downwardly toward the point  $a^3$ , from which point the body of the box is gradually enlarged laterally, as shown by the dotted lines  $y y$  in Fig. 2 toward the square back end or wall,  $a^4$ , of the box, the body of the box thus conforming at its side walls to the general edge contour of sad-irons commonly used.

The back end wall,  $a^4$ , of the box A is about deep enough to cause the bottom plate,  $a^5$ , of the box connected to said wall  $a^4$  to support the back end,  $e$ , of the sad-iron E a little below the top of the cover-plate B of the heater, and from the wall  $a^4$  the box-bottom preferably slopes or inclines downward a little to a point,  $a^6$ , and thence forward the box-bottom slopes downward more sharply or abruptly at  $a^7$  to connect, preferably by a curved corner,  $a^8$ , with the point or extremity  $a^3$  of the box, the rounded corner  $a^8$  making the box shallower than it would be were the corner not cut off.

To place the sad-iron in the heater, the iron is tilted forward, as in dotted lines in Fig. 1, the front portion,  $e'$ , of the iron then resting with its bottom upon or near the inclined part  $a^7$  of the box-bottom, or within the recess or pocket A', formed by the abrupt slant or fall of the part  $a^7$ , and, as the lower corner,  $e^2$ , of the iron passes the squared back end or margin of the box opening, the iron will slip downward and forward to the position shown in full lines, or flat upon the part  $a^5$  of the bottom of the box. To remove the iron from the heater, the iron will first be raised at its back end and then drawn backward until its point  $e'$  clears



the forwardly-projecting nose  $a^2$  of the box. After the iron is placed in the box the cover C is taken by its handle  $c$  and slipped forward on the plate B until the margin of the cover enters beneath rabbeted or undercut lips or studs  $b'$ , fixed to the plate B, the cover having a slot,  $c'$ , to receive the end parts,  $e^3 e^3$ , of the sad-iron handle. When the cover C is applied to the heater, as above described, the heater may be lifted by the handle of the cover, whether the iron be in the heater or not, and when the iron is in the heater the iron handle may be grasped as a handle to lift the entire heater from or place it upon a stove-top.

It is obvious that my sad-iron heater may almost instantly be set into a stove-hole by removing from the stove-top only one cover.

A sad-iron heater made with a plate, B, fitting a No. 6 stove-hole, and having the forwardly-projecting nose portion  $a^2$ , shaped as above described, will accommodate a No. 7 iron, as will readily be understood.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sad-iron heater comprising a box, A, attached to a plate, B, adapted to a stove-top hole, said box A formed with a hollow por-

tion,  $a^2$ , which projects forward considerably beyond the adjacent edge  $b$  of the plate B, to receive the nose of the sad-iron, and the bottom of the box A shaped at the front with a depressed recess or pocket, A', substantially as described, for the purposes set forth.

2. A sad-iron heater comprising a box, A, attached to a plate, B, adapted to a stove-top hole, said box A formed with a hollow portion,  $a^2$ , which projects forward considerably beyond the adjacent edge  $b$  of the plate B, to receive the nose of the iron, and the bottom of the box made with an inclined rear portion,  $a^5$ , and an abruptly-inclined forward part,  $a^7$ , forming a recess or pocket, A', substantially as described, for the purposes set forth.

3. In a sad-iron heater, the combination, with the box A and top plate, B, having undercut lips or detents  $b'$ , and an opening for the admission of the sad-iron, of a cover, C, provided with a handle,  $c$ , and longitudinal slot  $c'$ , for the reception of the handles  $e^3$ , substantially as shown and described.

JOSEPH HARDY WATSON.

Witnesses:

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ALEXANDER KELLER.