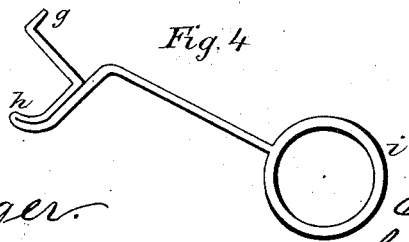
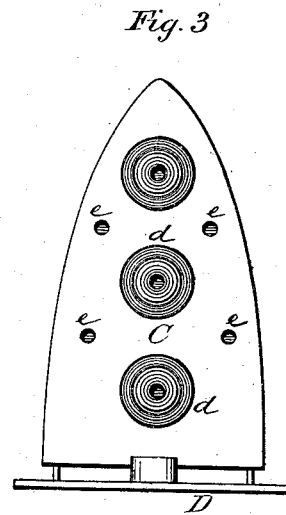
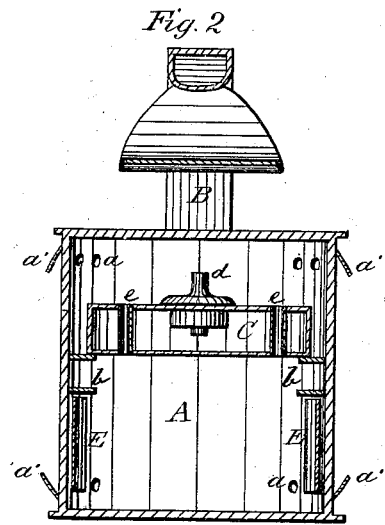
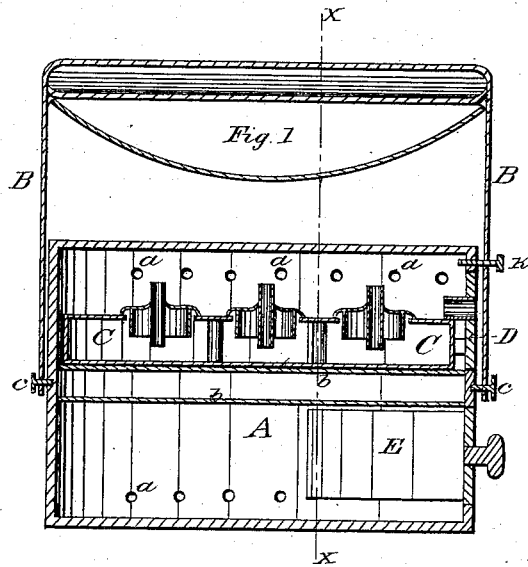


F. STERZING.
Flat-Iron.

No. 168,800.

Patented Oct. 11, 1875.



Attest:
Wm. Bagger.
C. Snow

Inventor:
Fred. Sterzing
by Louis Bagger
att'y

UNITED STATES PATENT OFFICE.

FRED STERZING, OF AUSTIN, TEXAS.

IMPROVEMENT IN FLAT-IRONS.

Specification forming part of Letters Patent No. 168,800, dated October 11, 1875; application filed September 6, 1875.

To all whom it may concern:

Be it known that I, FRED STERZING, of Austin, in the county of Travis and State of Texas, have invented certain new and useful Improvements in Reversible Sad-Irons; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a longitudinal vertical section. Fig. 2 is a cross-section, after the line indicated by *x x* in Fig. 1. Fig. 3 is a top plan of the lamp or heater; and Fig. 4 is a side view of the handle used in removing or inserting the lamp.

Similar letters of reference indicate corresponding parts in all the figures.

This invention consists in the combination of a reversible sad-iron with an interior removable lamp or heater, substantially as and for the purpose hereinafter more fully set forth, and pointed out in the claim.

A is the body of the sad-iron, which is hollow, and has a series of perforations or draft-holes, *a*, pierced through the walls along the upper and lower edges. *b* is a projecting flange or shelf, arranged midway upon the interior walls, and extending through the entire length of the body A. B is the handle, which is pivoted at *c* to the front and back part of body. C is the lamp, so shaped that it will fit readily into the hollow body of the sad-iron, resting upon the shelf *b*. This lamp has one or more burners, *d*, and has a series of tubes, *e*, passing vertically through it from the upper to the lower side. It is secured by arms or brackets to the vertical shield D, which, when the lamp is inserted into the iron, will cover and close one-half of the rear opening. E is a removable door or shield, which

covers the other half of the rear opening, so that when the lamp is inserted and the shield E is in place, the rear opening is completely closed.

The handle represented in Fig. 4, consists of a hook, *g*, fender or guard *h*, and the finger-piece *i*. The hook *g* is inserted through an opening in the lamp-shield D, the fender *h* abutting upon its outside, so as to hold the lamp at a suitable distance from the fingers, whenever it is desired to insert or remove it. *k* is a pin, passing through a perforation in the handle, and a corresponding perforation in the back part of the body of the iron, for the purpose of keeping the handle in its proper upright position in its relation to the body of the iron. *a'* are guards, one on the upper and one in the lower rims of the iron, on the outside, for the purpose of preventing dust or soot, that might escape from the draft-tubes *a*, from soiling the fabrics during the process of ironing.

The manner of using this invention will be readily understood from the foregoing description. The lamp, being lighted, is inserted upon the shelf *b*, under one of the faces of the iron. When this is sufficiently hot, the lamp is removed, the body reversed, and the lamp again inserted under the other face.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of the hollow reversible sad-iron A, having the interior shelf *b*, with the removable lamp C, having shield D, and burners *d*, substantially as and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

FRED STERZING.

Witnesses:

J. W. STALNAKER,
I. H. BURNS.