(Model.)

W. HILTON.

SAD IRON.

No. 259,149. Patented June 6, 1882.

Fig. 1.

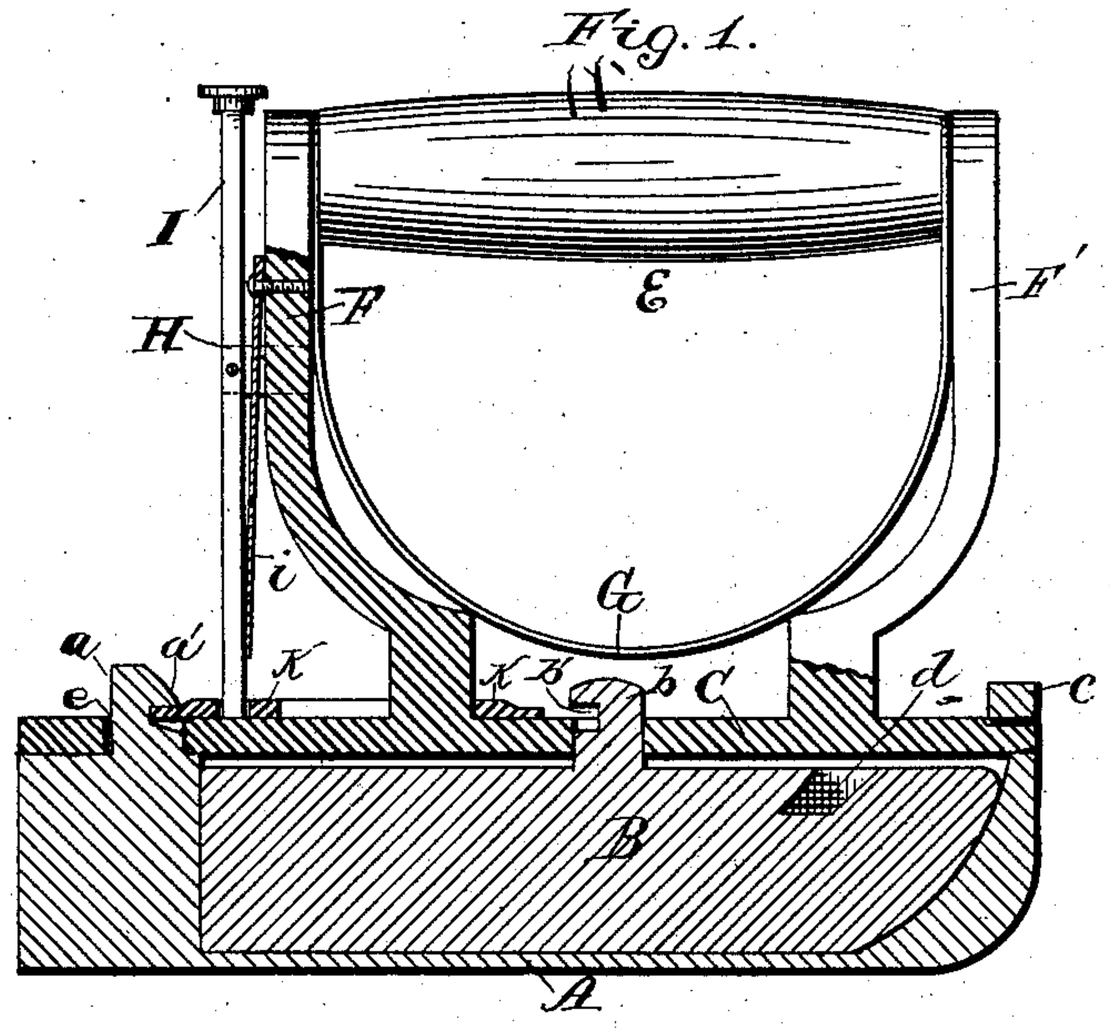
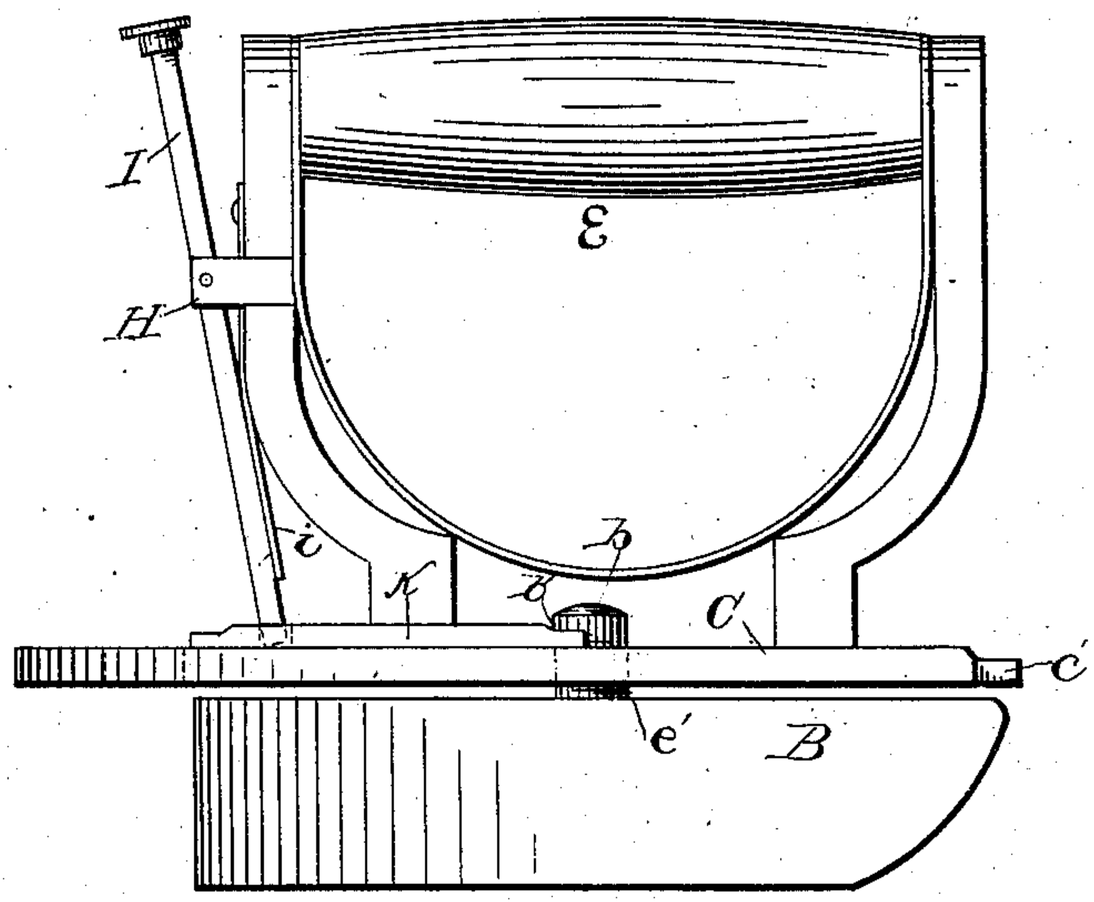


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM HILTON, OF AGENCY CITY, IOWA.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 259,149, dated June 6, 1882.

Application filed March 3, 1882. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM HILTON, a citizen of the United States, residing at Agency City, in the county of Wapello and State of Iowa, 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 has relation to sad or smoothing irons, and more particularly to that class wherein the iron proper is hollow for the reception of a heater, and has a removable cover and handle, whereby the heater may be changed after its heat has been expended; and the novelty consists in the construction of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

Figure 1 is a side elevation, partly in section; and Fig. 2 is a side elevation of the handle, cover, and heater removed from the iron proper.

A is the body or base of the iron, and is hollow to contain the heater B. The body A is cast in one piece with stud *a*, having a slot, *a'*, in it. A staple, *c*, also forms an integral part of the body, and located on top of it at the rear end. The lower rear corner or angle of the body is rounded off to facilitate the operation of polishing.

The heater B is provided with a stud, *b*, having a slot, *b'*, and also with an inclined orifice, *d*, for the insertion of a lifter in removing it from the fire.

The top or cover C has a projection, *c'*, adapted to engage in the staple *c*, and a hole, *e*, which fits down around and over the stud *a*. Another hole, *e'*, in the cover allows the stud *b* on the heater B to project up through said cover.

E is the handle, secured to the uprights F F', and G is a heat-guard to protect the hand.

Attached to the upright F is a strap, H, in which is pivoted the thumb-lever I, operated by a spring, *i*, and the lower end of this thumb-lever I engages in a sliding bolt, K, on the cover C. The forward end of this bolt engages in the stud *a*, and while in this position the cover and body are firmly secured together. The rear end of this bolt K is adapted to engage with the stud *b*, and when it becomes desirable to remove the heater B the thumb is placed upon the upper end of the lever I, so as to force it outwardly from the upright F. This motion releases the catch or bolt K from the stud *a*, and consequently disconnects the handle from the body of the iron proper; but at the same time that it is released from stud *a* it is connected to stud *b*. This causes the heater B to be raised and removed when the handle is lifted. In this position the heater may be carried to the stove, and by releasing the thumb-lever I it will be detached from the handle. The handle may then be applied to a fresh heater and the lever I pressed out so as to engage the bolt with the stud on the heater, and then the heater is readily transferred to the body A, and when in place, the thumb-lever I released, the spring causes it to resume its normal position. (Shown in Fig. 1.)

The operation, utility, and simplicity of my improved smoothing-iron will be readily understood from the foregoing.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

In a smoothing-iron, the body A *a c*, cover C *c'*, and lever I, spring *i*, and bolt K, in combination with the removable heater B, having stud *b*, provided with slot *b'*, the whole constructed and operating substantially as and for the purpose set forth.

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

WILLIAM HILTON.

Witnesses:

J. A. VANZANT,

WM. CHAMBERS.