T. J. ELLYSON & A. O. ASKEW.

Sad-Iron.

No. 162,808. Patented May 4, 1875.

Fig. 1.

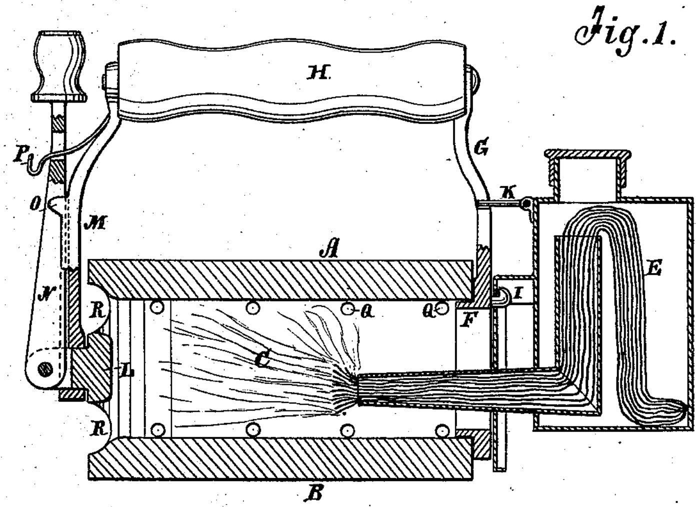


Fig. 2.

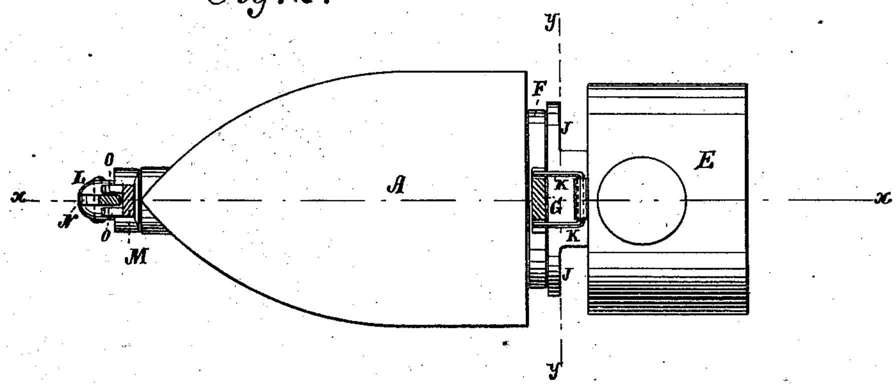
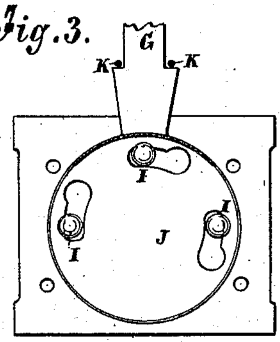


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS J. ELLYSON AND AARON O. ASKEW, OF JACKSON, TENNESSEE.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. **162,808**, dated May 4, 1875; application filed February 13, 1875.

To all whom it may concern:

Be it known that we, THOMAS J. ELLYSON and AARON O. ASKEW, of Jackson, in the county of Madison and State of Tennessee, have invented an Improved Reversing and Self-Heating Sad-Iron, of which the following is a specification:

The invention will first be fully described and then pointed out in the claim.

Figure 1 is a longitudinal sectional elevation of our improved iron, taken on the line *x x* of Fig. 2. Fig. 2 is a horizontal section through the handle connections and the locking-lever; and Fig. 3 is a transverse section taken on the line *y y* of Fig. 2.

A and B represent the two faces of the iron, between which is the hollow space *c*, into which the burner extends, from an alcohol or other lamp, E, attached to the heel of the iron for heating it, at the same time that it is being used to avoid the labor and delay of heating it by the stove, and to dispense in warm weather with the hot fires necessary for heating them. The pivot F, at the heel of the iron, is made hollow for the burner to enter the chamber in this way, and it is formed on the standard G of the handle H. The lamp is attached to the iron by the studs I projecting from the standard G and the slotted plate J. It also has a latch, K, which swings over and engages the standard, after the studs are adjusted in the slots, to prevent the lamp from becoming detached. The pivot L is attached to the iron, and the handle-standard M turns on it. It also has a locking-lever, N, pivoted in the slot in its end, so as to be held firmly against swinging with the handles, but so as to swing between the lugs O of the standard and be fastened between them by the spring-catch P, and thus lock the handle in position. It swings on the pivot L, so as to lock the handle over either face. The sides of the hollow iron are perforated at Q to admit air, and vents are provided at R. In order to carry the burner of the lamp into the hollow space *c*, low down, without allowing the burning fluid to feed too fast, I have arranged the wick-tube *s* for the wick T to enter it at the top and pass down low enough to enter space *c*. The advantages of this reversing and self-heating iron over other irons will be manifest to all.

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

The combination with burner and hollow iron, of handle, standard G, having pivot F and studs I, the plate J, and the latch K, all constructed and arranged substantially as and for the purpose described.

THOMAS J. ELLYSON.
AARON O. ASKEW.

Witnesses:
PHILLIP C. MCCOWAT,
I. R. CHAPPELL.

500 wds