

J. C. WRIGHT & J. W. SURSA.

Flat-Iron Heaters.

No. 140,987.

Patented July 15, 1873.

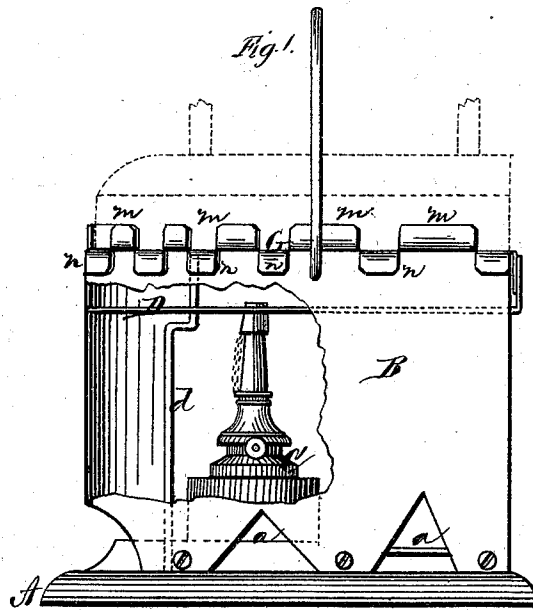


Fig. 2.

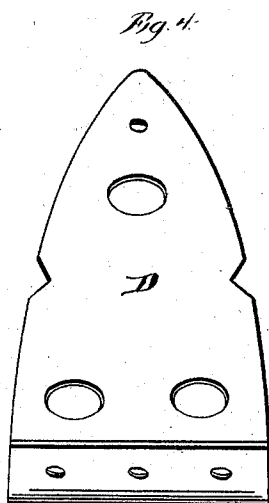


Fig. 4.

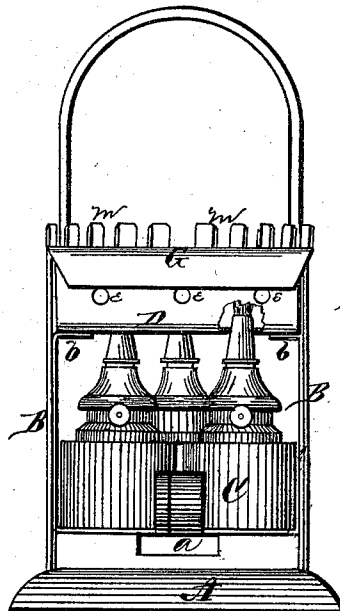
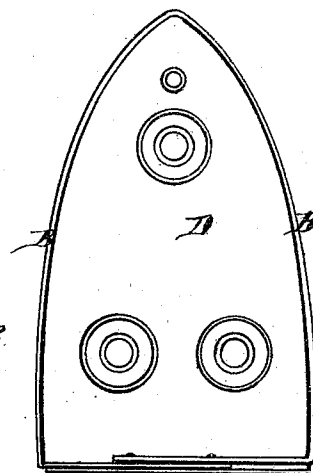


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH C. WRIGHT AND JAMES W. SURSA, OF MOLINE, ILLINOIS.

IMPROVEMENT IN FLAT-IRON HEATERS.

Specification forming part of Letters Patent No. **140,987**, dated July 15, 1873; application filed April 11, 1873.

To all whom it may concern:

Be it known that we, JOSEPH C. WRIGHT and JAMES W. SURSA, of Moline, in the county of Rock Island, and in the State of Illinois, have invented certain new and useful Improvements in Flat-Iron Heaters; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon making a part of this specification.

The nature of our invention consists in the construction and arrangement of a flat-iron heater, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation, and Fig. 2 a rear view, of our machine. Fig. 3 is a plan view of the same with the top plate removed, and Fig. 4 represents a plate used over the lamp or gas burners.

A represents the base or bed piece, made of wood or metal, and having a casing, B, attached to it. This casing B may be made of zinc or other suitable metal, in the shape of a flat-iron, but somewhat larger than those intended to be used with this heater. The upper surface of the bottom or base A has channels *a* running lengthwise and transversely, with corresponding openings in the casing B, to allow the air to circulate under the lamp C placed thereon; or blocks may be secured on the base A to raise the lamp up for the same purpose. The lamp C may be constructed in any desired manner, and have one or more burners, as may be necessary; or, if gas is

convenient, a small pipe may be bent in proper shape with burners attached, and connected by a rubber pipe with a burner in the room. Above the lamp C, within the casing, is a plate, D, supported upon lugs *b b*, and a wire, *d*, and provided with an aperture for each burner of the lamp, so that the blaze from the same can pass up and heat a plate, G, on top of the casing B. This plate G is made of copper, as being the best conductor of heat, and has lugs *m m* and *n n* bent around its edges, alternately, up and down. The downward-projecting lugs *n n* hold the plate on the casing, while the upward-projecting lugs *m m* prevent the iron, when placed on the plate, from slipping off. In the casing B are further suitable apertures *e e*, leading to the chamber between the plates D and G to give the lamp draft.

By this device flat-irons may be heated without getting the room warm in summer-time, the apparatus making a combined flat-iron heater and stand.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination, with the base A and casing B inclosing lamps C, of the sad-iron-shaped plate G, with alternate up-and-down ears *m n*, and the perforated plate D resting on the lugs *b b*, and wire rod *d*, all constructed substantially as and for the purposes set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 10th day of March, 1873.

JOSEPH C. WRIGHT.
JAMES W. SURSA.

Witnesses:

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