

F. G. WYNKOOP.

Sad-Iron Heater.

No. 61,911.

Patented Feb. 5, 1867.

Fig. 1

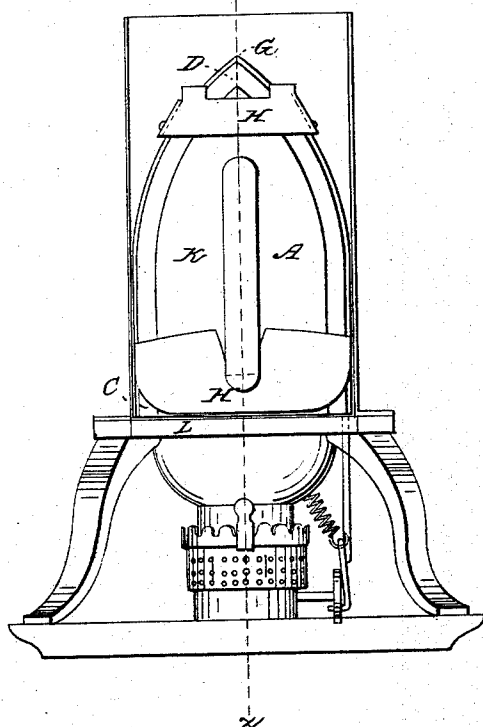


Fig. 2

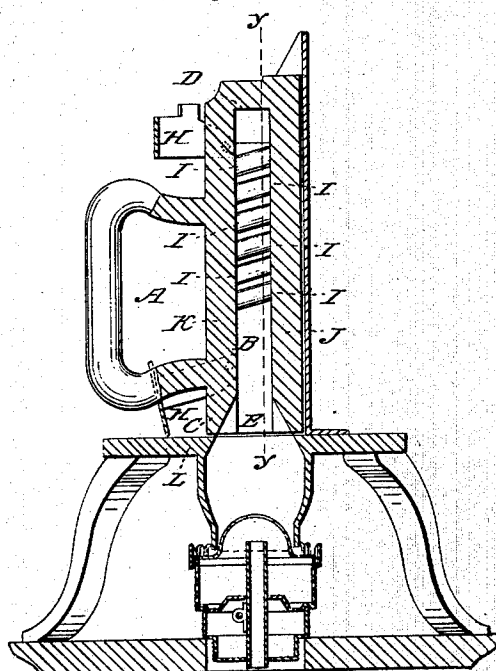
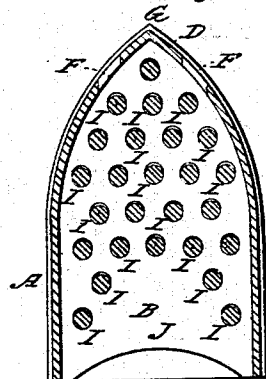


Fig. 3



Witnesses:

J. A. Jackson  
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Inventor:

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Per *[Signature]*  
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# United States Patent Office.

F. G. WYNKOOP, OF CORNING, NEW YORK.

Letters Patent No. 61,911, dated February 5, 1867.

## SAD-IRON HEATER.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, F. G. WYNKOOP, of Corning, Steuben county, State of New York, have invented a new and useful improvement in Sad or Flat-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 make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention consists in so constructing a sad or flat-iron, that its ironing surface can be heated by the use of kerosene oil or fluid lamps, gas burners, or any other of the well-known means of illumination, which result is accomplished by making the flat or sad-iron hollow, and open at each end, by one of which it is so set over the lamp, gas, or other flame or flames that they will enter the interior of the flat-iron, and diffusing its heat therein impart it to the ironing surface; and also in so constructing the interior of the iron as to more fully cause the heat to be imparted to the ironing surface, and thus proportionally relieve the back or upper side of the flat-iron and prevent it from becoming heated, as will be obvious from the following detail description of the same, reference being had to the accompanying plate of drawings, in which—

Figure 1 is a view of the upper or back side of a flat-iron, made according to the present invention, placed in an upright position, and shown in connection with a holder suitable for sustaining or supporting the flat-iron over the top of the ordinary kerosene or coal-oil lamp.

Figure 2, a central vertical section, taken in the plane of the line *x x*, fig. 1; and

Figure 3, a section taken in the plane of the vertical line *y y*, fig. 2

Similar letters of reference indicate like parts.

A, in the drawings, represents a flat or sad-iron, which may of any of the ordinary forms or shapes, but which, in the present invention, is made hollow, forming an inside chamber, B, and open at each end, C and D; the opening E in its square end C being equal to, or nearly to, its entire width and thickness, and at its pointed or nose end, so called, D, provided with two openings, F, one upon each side of its extreme point, G. To each end of the sad-iron a lid or cover, H, is hung in such a manner that they can be swung over the ends of the irons and thus close the openings of the same, or away therefrom so as to leave them open; both of these covers or lids being of suitable shape and size therefor. Within the interior of the hollow sad-iron is a series of pins, I, which extend entirely across the same from its front to its back-plate, K, they being each and severally inclined toward the front plate and cast with the body portion of the flat-iron.

A flat-iron, constructed as above described, is heated over a kerosene, coal, or fluid lamp, or a gas burner, or other illuminating device, for which purpose a holder or stand, L, is provided, in which the flat-iron is placed by its flat or square end, with the opening in such end directly over the flame of the lamp or other illuminating device; when, the flame of such lamp entering the interior of the iron, the heat consequently generated and diffused therein is imparted to the side of the iron, and by the inclination of the pins more directly toward and to the front or ironing side of the iron, the flame escaping at the nose openings, when, the iron having become sufficiently heated, it is then removed from the stand and the lids or covers for its ends closed so as to hold or retain its heat longer, and is ready to be used for ironing clothes, &c. By means of the inclined pins the heat is caused to more fully and perfectly act upon the front or ironing side of the iron, thus proportionally relieving its back or top side, and by leaving the interior of the iron for some distance from its mouth or open end, at which the gas or other flame enters the iron, free of the pins, as plainly shown in the drawings, more especially in fig. 2, the action of the flame is greatly assisted, and a greater degree of heat generated and imparted by it to the iron.

I claim as new, and desire to secure by Letters Patent—

The body A, cast in one piece, inclined pins I, directing the heat against the part J, thereby relieving proportionally the part K of the flat-iron, and lid H, when arranged and constructed as herein shown and described.

F. G. WYNKOOP.

Witnesses:

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J. S. ROBINSON.