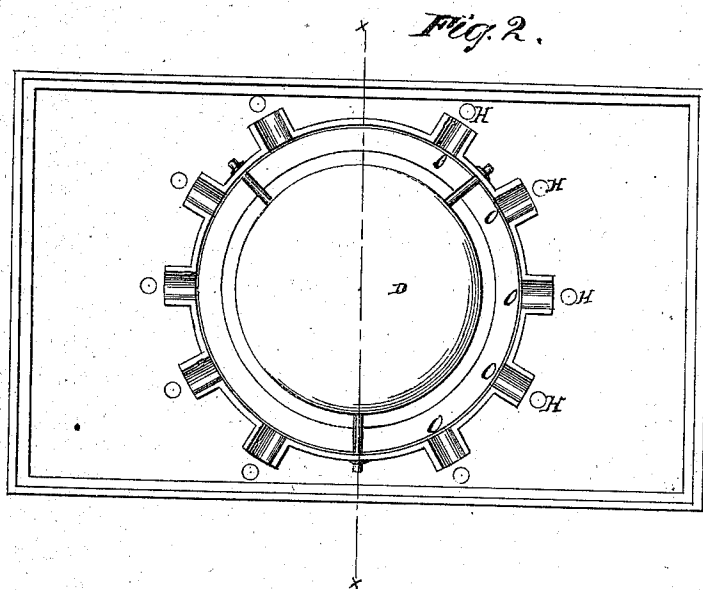
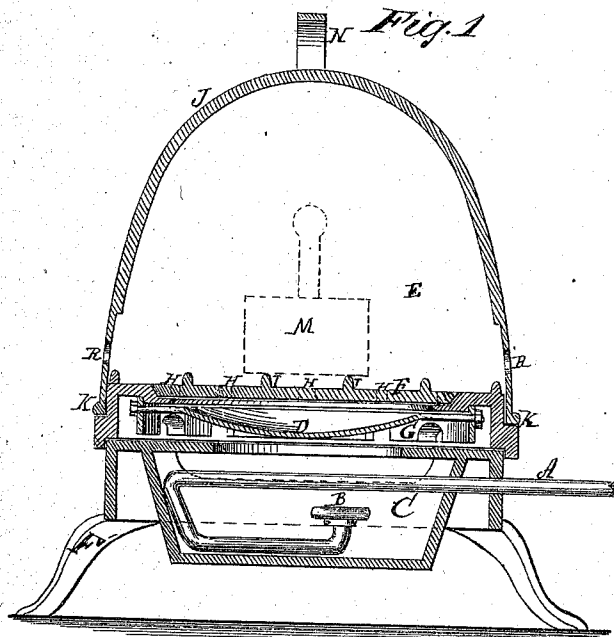


J. BURGESS.
SAD IRON HEATER.

No. 103,294.

Patented May 24, 1870.



Witnesses:
John Becker
S. P. Maleu

Inventor:
J. Burgess
PER *[Signature]*
Attorneys.

United States Patent Office.

JOSIAH BURGESS, OF ZANESVILLE, OHIO.

Letters Patent No. 103,294, dated May 24, 1870.

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, JOSIAH BURGESS of Zanesville, in the county of Muskingum and State of Ohio, have invented a new and useful Improvement in Flat-iron Heater; 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 object of this invention is to provide efficient means for heating flat-irons, and an apparatus for that purpose which may be used in any locality; and

It consists in the construction and arrangement of parts as hereinafter described.

In the accompanying drawing—

Figure 1 is a vertical section of the flat-iron heater on the line *x x*, fig. 2.

Figure 2 is a view of the reverse side of the platform or cover of the flame-chamber.

Similar letters of reference indicate corresponding parts.

A is the tube, which is connected with an elevated reservoir containing naphtha, gasoline, or other hydrocarbon liquid, or burning fluid, which is ignited at the point B in the chamber C.

D is a pan-like deflector directly above the flame, which may contain water to furnish, by vaporization, moisture to the heating-chamber E above.

F is the platform or top of the flame-chamber G.

H represents holes in thin plate, through which the heat passes upward.

I represents ribs on the plate F, upon which the flat-iron rests, as seen in the drawing. These ribs are raised so as to allow free passage for the heat beneath the irons.

J is the dome, which rests on shoulders formed in the side flange of the plate F, as seen at K K.

This dome is lined with tin, so that it acts as a reflector to throw the heat upon the iron.

M represents the flat-iron.

N is a handle, by which the dome is removed or handled.

O are apertures through which the heat and air pass from the flame-chamber to the apertures H.

This flat-iron heater is elevated on legs, F', and is arranged to admit a free supply of air from beneath the chamber.

The excess of heat or moisture in the heating chamber E escapes through the apertures R, near the base of the dome.

In the center of the platform-plate F is a boiler-hole covered by a plate, as indicated in fig. 1. This enables the article to be used for other purposes than a flat-iron heater.

Having thus described my invention,

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

1. The tube A B, connected with an elevated reservoir of hydrocarbon liquid, combined with a chamber C, deflector D, ribbed and perforated platform F, and tin-lined dome J N, all constructed and relatively arranged as and for the purpose described.

2. The chamber C, water-pan D, perforated platform F, and heating chamber E, all combined and relatively arranged as and for the purpose described.

The above specification of my invention signed by me this 17th day of February, 1870.

JOSIAH BURGESS.

Witnesses:

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W. E. KING,

JNO. W. KING.