

(No Model.)

I. R. ANGELL.
FLAT IRON HEATER.

No. 258,689.

Patented May 30, 1882.

Fig. 1.

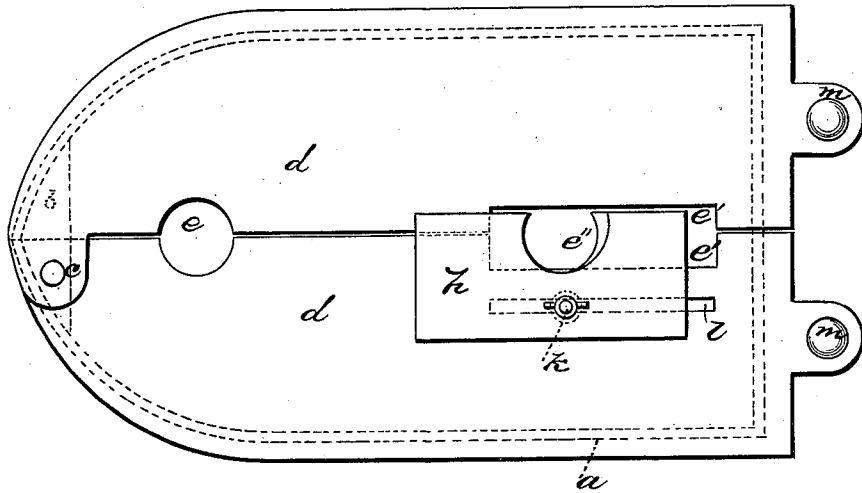
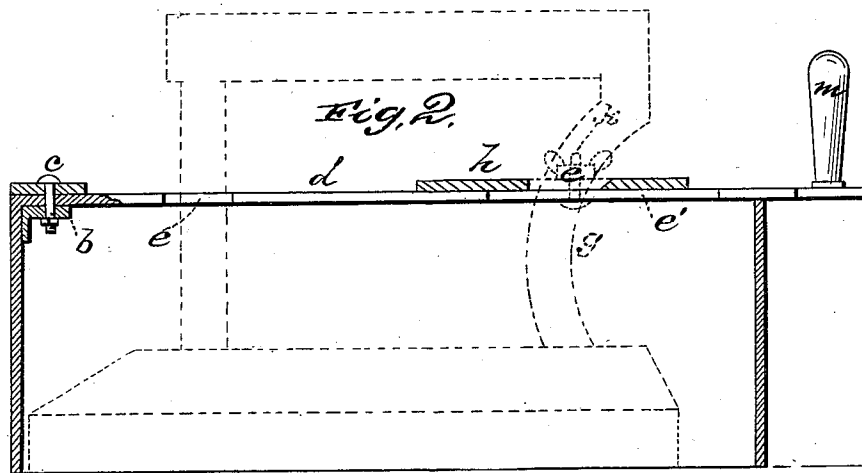


Fig. 2.



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FLAT-IRON HEATER.

SPECIFICATION forming part of Letters Patent No. 258,689, dated May 30, 1882.

Application filed March 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, IDA R. ANGELL, a citizen of the United States, and a resident of Delphos, in the county of Allen and State of Ohio, have
5 invented a new and valuable Improvement in Flat-Iron Heaters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed
10 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top or plan view of my improved flat-iron
15 heater, and Fig. 2 is a vertical sectional view of the same.

This invention has relation to devices to facilitate heating flat-irons; and it consists in the construction and novel arrangement of the
20 inclosing-case wall, the pivoted cover-sections, and the adjustable notched slide, all as herein-after set forth.

In the accompanying drawings, the letter *a* designates the inclosing-wall, which is made
25 usually without a bottom, and is provided with a lug, *b*, at the front or rear end, which is perforated for the passage of a pivot screw or rivet, *c*, whereby the cover-sections *d d* are pivoted to the case-wall. The cover is made
30 in two sections, *d d*, which, when closed, meet along the middle longitudinal line of the device. In one or both sections notches *e e'* are made to accommodate the pillars or connecting-arms *g* of the handle of the flat-iron, and
35 in order that the sections *d d* of the top or cover may close together and around said arms with some degree of accuracy, thereby preventing the escape of heat. In order to accommodate irons of different sizes or weights,
40 which vary as to the distance between the arms *g* of the handle, the notches *e'* are made long enough to accommodate the various sizes, and a slide, *h*, is provided of sufficient length and width to cover the long notches, said slide
45 having a handle-notch, *e''*. This slide *h* is provided with a clamp-screw, *k*, having a square neck, and designed to engage a longitudinal slot, *l*, in one of the cover-sections, so that it can be readily adjusted in position. Each
50 cover-section is provided with a handle, *m*, covered with wood or other non-conducting substance, these handles being arranged at the end of the device opposite the pivot *c*.

This heater will be found advantageous in

connection with any stove, but is especially
55 designed for use on gas-stoves or vapor-burning stoves, as it gathers and controls the spreading flames and economizes the heat.

In using the device it is placed on the stove in proper position over the flames or heating-
60 surface. The cover-sections being spread sufficiently, the flat-iron is introduced, and then the sections are closed together. In this manner and by means of this device one flat-iron
65 can be readily heated while the other is being cooled in its work, so that two irons will be found sufficient—a result which cannot be attained without the heater.

A bottomless case arranged to slide on top of a furnace and provided with a vertical
70 cross-partition which divides the case into two parts or chambers, each being provided with two hinged lids for admitting the irons, one of which lids for each chamber is provided with a slotted slide so arranged as to admit
75 any sized iron below, and serving also to close up the holes through which the handles project when the irons are out, is not new. A bottomless case having hinged lids projecting
80 over the sides or ends of the case, and having slots in the lids for the reception of the handles of the flat-iron, is also old. In both of the instances referred to immediately above the
85 lids have to be raised by using the flat-iron for that purpose. I make no claim to either of these constructions.

Pivoted lateral cover-sections have been employed without the slide or the handles; but
in this instance also the cover-sections are manipulated to open and close them by using
90 the flat-irons. This is an awkward manner of placing and removing the flat-iron, and frequently causes displacement of the heater.

Having described this invention, what I claim, and desire to secure by Letters Patent, 95 is—

In a flat-iron heater, the combination, with the inclosing-case wall *a*, of the notched and pivoted cover-sections *d d*, provided with handles *m m*, and the adjustable notched slide *h*,
100 substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

IDA R. ANGELL.

Witnesses:

C. C. MARSHALL,
J. F. ANGELL.