

E. N. JENKINS.  
Sad Iron Heater.

No. 58,424.

Patented Oct. 2, 1866.

Fig. 1.

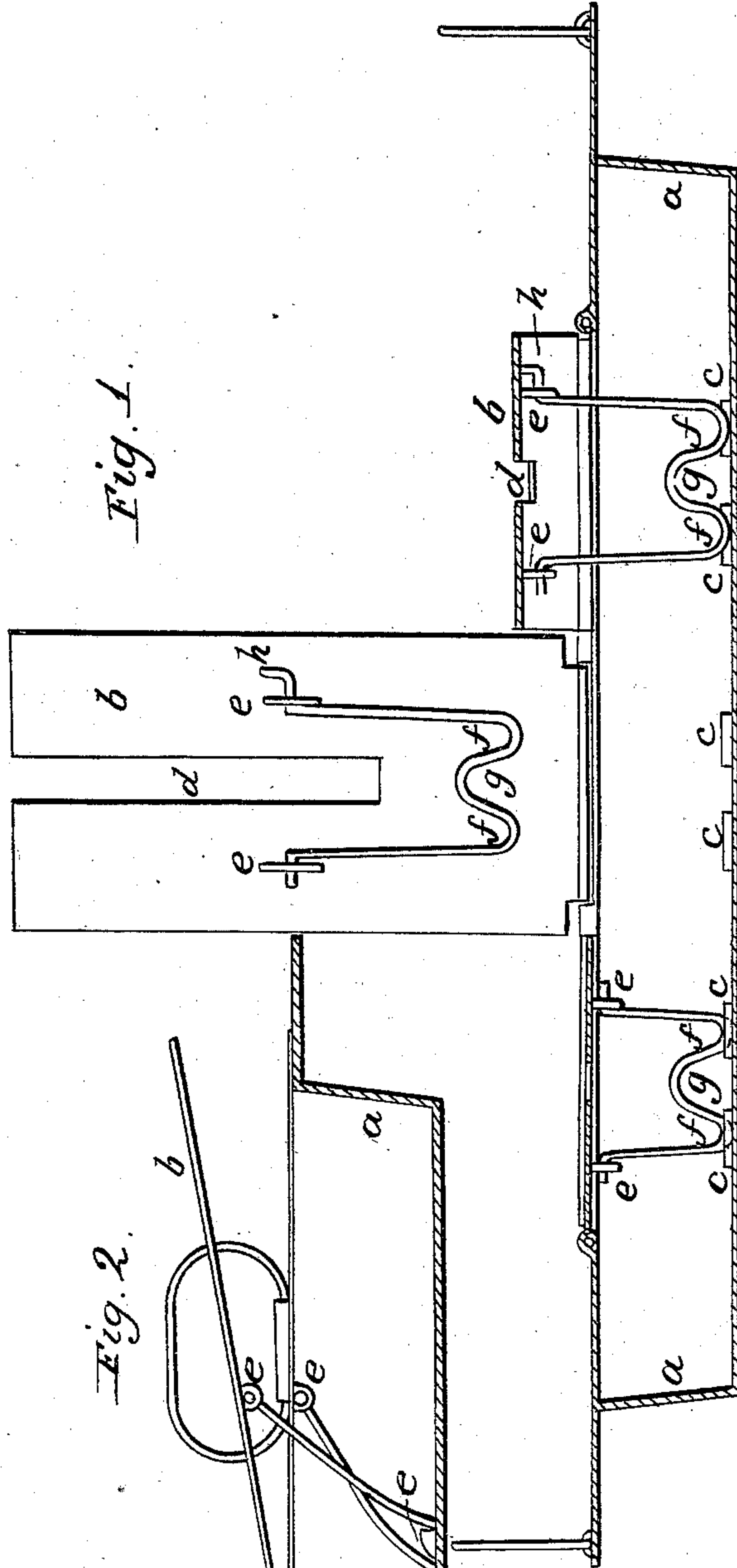
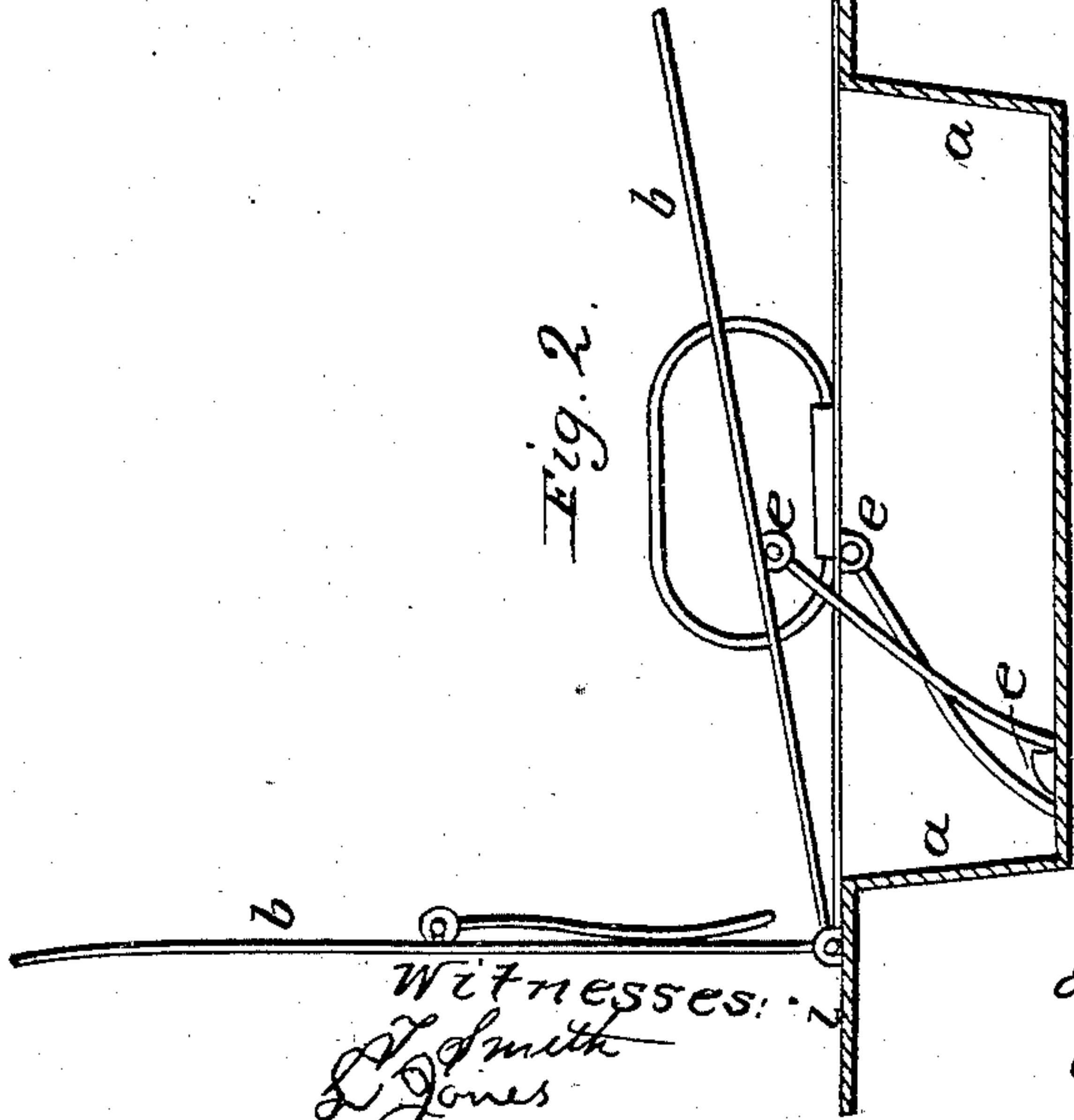


Fig. 2.



Witnesses:  
J. Smith  
L. Jones

Inventor:  
Eugene N. Jenkins  
By Atty. Geo. D. Smith

# UNITED STATES PATENT OFFICE.

EUGENE N. JENKINS, OF CHICAGO, ILLINOIS.

## SAD-IRON HEATER.

Specification forming part of Letters Patent No. 58,424, dated October 2, 1866.

*To all whom it may concern:*

Be it known that I, EUGENE N. JENKINS, of the city of Chicago, in the State of Illinois, have invented a certain new and useful Improvement on Flat-Iron Heaters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters and marks thereon.

The drawings forming part of this specification show a flat-iron heater with my improvement forming a part thereof, Figure 1 being a view of such heater with a portion of the upright flange removed, so as to exhibit the interior, and Fig. 2 being a view by transverse section of the heater.

In both of these views where like marks and letters are used they indicate like parts.

The body of the heater *a* will usually be made of cast-iron, with either cast or sheet metal covers. So much of the top part of the heater as is not formed by the hinged covers may be cast with the body part, thus making all but the hinged covers one casting.

The covers *b* can be made of sheet metal, of which galvanized iron is preferable, it being the poorest conductor of heat of any metal available for this use; and thus lightness, cheapness, and simplicity will be secured in the construction of the heater.

On the inside bottom of the heater will be cast little lugs *c*, or elevations, one for each foot of the bent wire to rest against, when any one of the covers *b* is held up, as indicated by the right-hand cover of Fig. 1.

On the under side of each cover *b*—one on each side of the slit *d*—are wire eyes or loops *e*, placed a little forward of the line of the front face of the lugs *c*. A wire so bent as to form the two feet *f*, with a bend, *g*, between them, which extends up about one-third the distance to the cover, has its upper ends passed into the eyes or loops *e* of the cover. From the upper part of this center bend, *g*, downward the wires are slightly curved, as shown by Fig. 2 of the drawings.

One end of the wire that passes through the eyes *e* is bent outward and upward, as is shown by the right-hand and middle covers of

Fig. 1, and, as is indicated by letter *h*, in such manner that, as the cover is raised toward a perpendicular position, it is allowed to play freely; but as the cover descends or is lowered it can only swing forward to a given point.

The covers are suitably hinged or otherwise attached to that back part of the body of the heater which forms the supporting-rim *i*, as shown by Fig. 2. The left-hand-end cover of Fig. 1 is shown down to a close position, as it will be when the flat-iron is being heated. If the iron be withdrawn the cover will be raised by the iron, and the wire attached to it will be drawn forward to the front face of the lugs *c*, against which the feet will catch as the cover descends, and the cover will thus be left up, ready for the passing in of another iron, as is indicated by the cover at the right-hand end of Fig. 1. As the iron is passed under the cover here last referred to the end or point of the iron will strike against and under the center bend, which is between the feet, and thus raise the wire over the lugs and allow the cover to drop down to its place. If, in removing the iron, the cover be raised higher than is necessary, still the bend in the wire at the right-hand eye or loop will prevent its being thrown forward, and will invariably catch against the lugs as the cover descends. Thus with the simple motion of withdrawing the iron the cover is left open, and it closes again in placing in another iron, without any attention being directed to this end. It is impossible to withdraw the irons without leaving the covers up, and equally impossible to replace them without closing the covers.

What I claim as my invention, and desire to secure by Letters Patent as an improvement on flat-iron heaters, is—

The wire, with the feet *f*, bend *g*, and end *h*, constructed substantially as and susceptible of being operated in the manner and for the purposes herein recited.

This specification signed this 22d day of March, 1866.

EUGENE N. JENKINS.

Witnesses:

D. G. CLARK,  
HUGH J. MAGUIRE.