

# J. GRUSSL Flat Iron

NO. 75156

Patented March 3, 1868

Fig 1

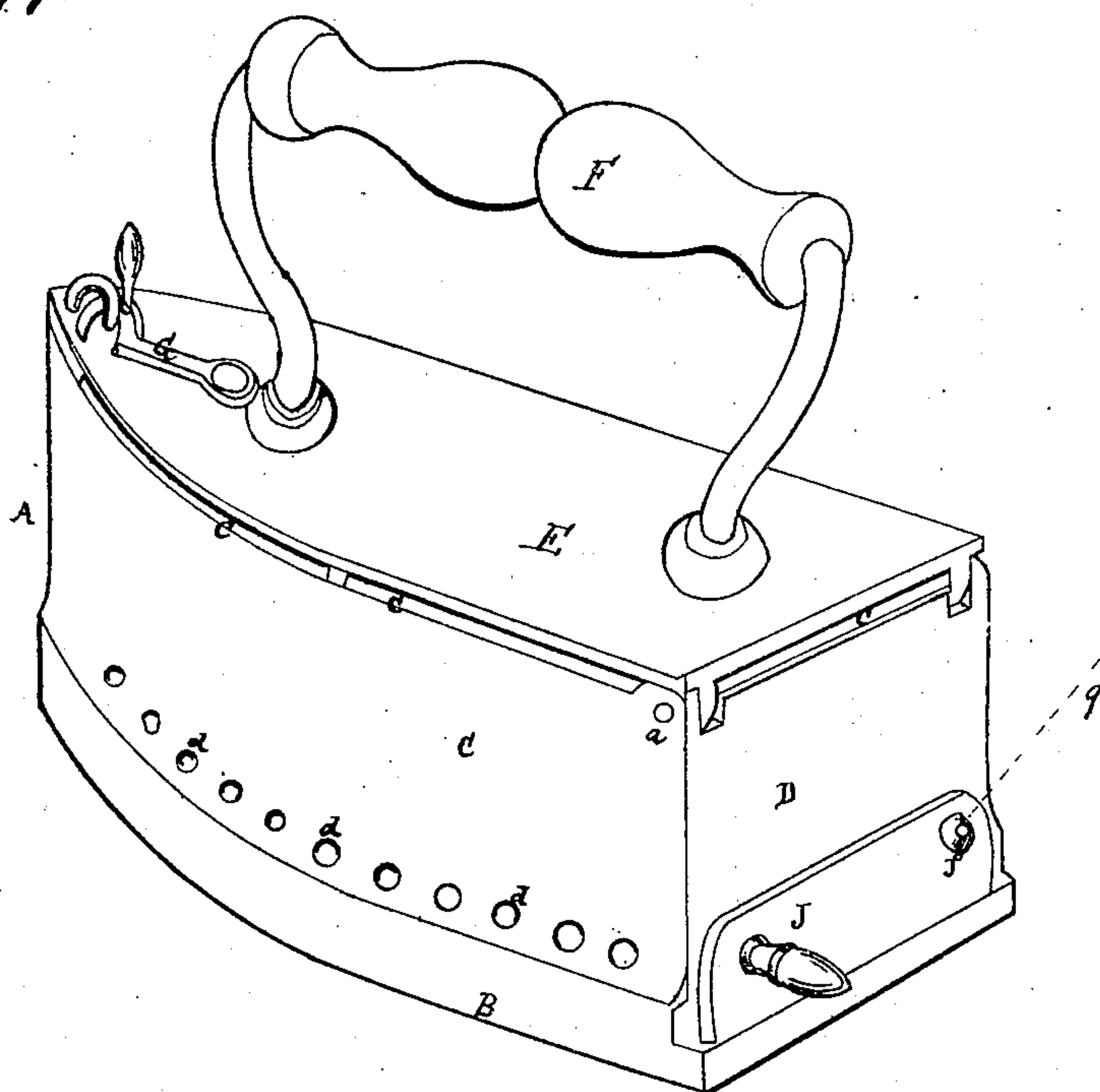


Fig 3

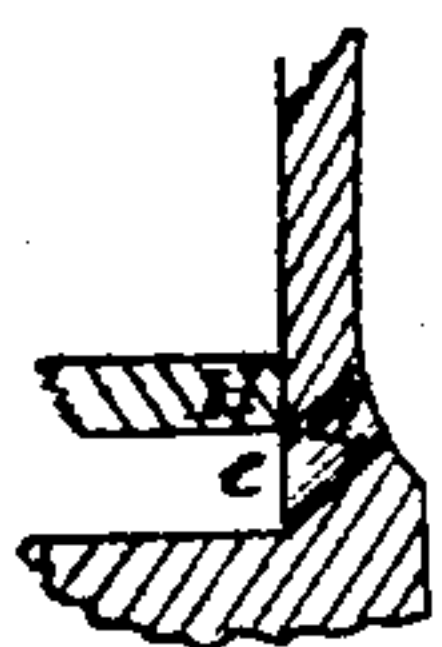
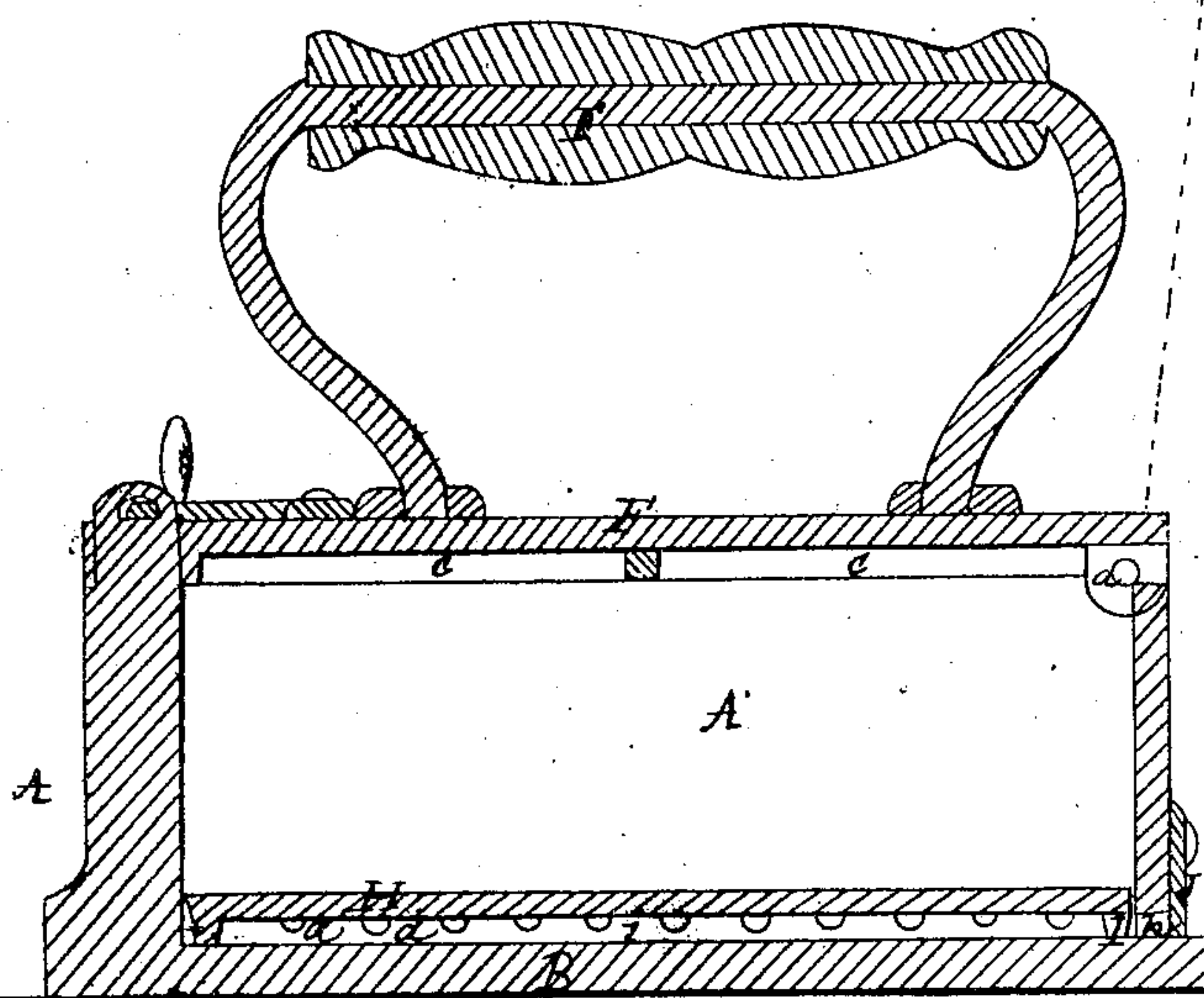


Fig 2



WITNESSES

E. E. White  
Frank S. Alden

INVENTOR

John Grussl

# United States Patent Office.

JOHN GRÜSSI, OF CLEVELAND, OHIO.

*Letters Patent No. 75,156, dated March 3, 1868.*

## IMPROVEMENT IN FLAT-IRONS.

*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, JOHN GRÜSSI, of Cleveland, in the county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Flat-Irons; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the iron.

Figure 2 is a longitudinal section.

Figure 3 is a detached section.

Like letters refer to like parts in the different views presented.

A represents the body of the iron, which consists of a chamber, A', for containing the coals for heating. The ordinary smooth bottom, B, is surmounted by the sides C and end-piece D. To the end, at a, is hinged the lid or cover E, which admits of being thrown back in the position shown by the dotted lines b. To the lid is attached the handle F. The lid is secured to the body by the hook and loop G, in connection with the hinge. Between the lid and sides is a small opening, c, for a purpose hereafter described. Near the bottom of the chamber is a movable grate, H, supported on the points I, as shown in fig. 2, thus forming a small opening or space, i, between it and the bottom. Arranged along the sides are a number of holes, d d, which slant downward, and open into the space below the grate, as shown by fig. 3, e being the space and d the hole. J is a door or panel, pivoted at f to the end-piece, and admits of being turned in the direction of the line g, thus opening or closing the small opening h, fig. 2.

The manner in which the iron is heated is as follows: The lid is swung back and the coals placed on the grate H. It is then fastened down by the hook and loop G. The air entering the holes d, under the grate, forms a draught up through the coals, and escapes from the vent c, thus preventing the coals from dying out, and keeping the iron hot and ready for use. The ashes falling through the grate are kept in the space i, and cannot escape except when the door J is opened, when they can be taken out. The holes d slanting in a downward direction to the space i, there is no danger of the ashes escaping and soiling the clothes while ironing, as they would were the holes in a reverse or horizontal direction.

What I claim as my improvement, and desire to secure by Letters Patent, is—

1. The draught-holes d d, arranged below the grate, in combination with the grate H, vent c, and chamber A', as and for the purpose set forth.

2. The cover E, body A, chamber A', and vent c, in combination with the grate H, draught-holes d d, and door J, substantially as and for the purpose specified.

Witnesses:

W. H. BURRIDGE,

E. E. WAITE.

JOHN GRÜSSI.