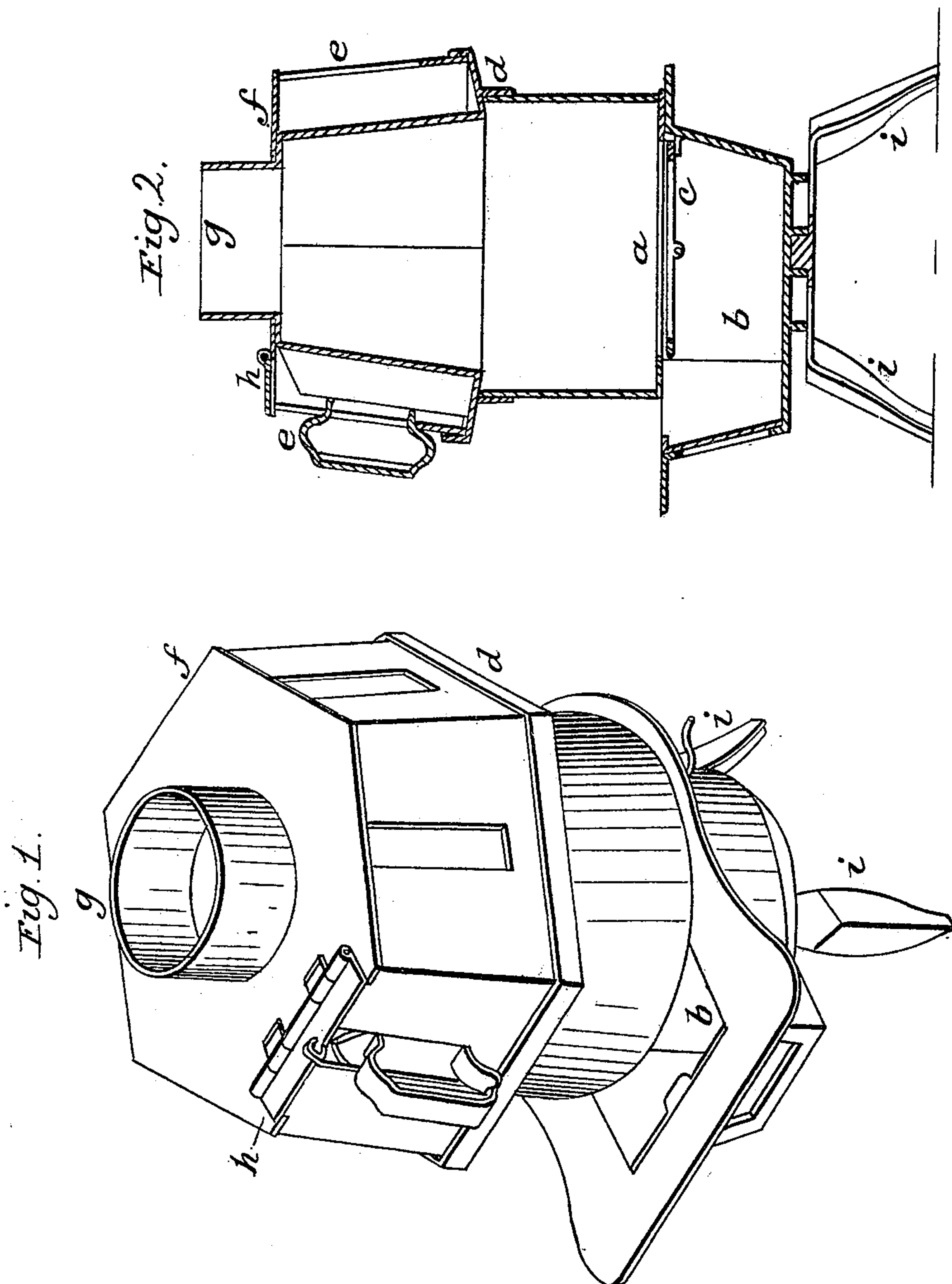


J. T. DAVY.  
Flat Iron Heater.

No. 7,159.

Patented March 12, 1850.



# UNITED STATES PATENT OFFICE.

JOHN T. DAVY, OF TROY, NEW YORK.

## FURNACE FOR HEATING SAD-IRONS.

Specification of Letters Patent No. 7,159, dated March 12, 1850.

*To all whom it may concern:*

Be it known that I, JOHN T. DAVY, of Troy, in the county of Rennselaer, State of New York, have invented a new and useful  
5 Improvement in Portable Furnaces for Heating Flat-Irons; and I do hereby declare that the following is a full, clear, and exact description of its nature which distinguishes it from all other things before known and  
10 of the manner of making, constructing, and using the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is an isometrical perspective  
15 view of the furnace, and Fig. 2 a vertical section thereof.

The same letters indicate like parts in both figures.

My improved portable furnace for heating  
20 flat-irons is constructed in so far as respects the fire chamber, the arrangements for carrying off the smoke and supplying the necessary draft, in the same manner as those in common use; but my object has been to  
25 construct such an apparatus as would afford a convenient mode of heating the flats and at the same time throw out but little heat into the room.

The nature of my invention consists in  
30 combining with a portable furnace of ordinary construction a surrounding heating chamber provided with apertures or slots combined with a flap or door at top which will admit of inserting the body of the flat  
35 iron for the purpose of heating it and leave the handles exposed to the cooling influence of the external air.

My invention consists in providing the  
40 said surrounding heating chamber with a revolving top provided with a single small door or flap which, when the said door or flap is brought directly over the slots or apertures, admits of the removal and insertion of the flats with facility.

45 In the accompanying drawings (a) represents the fire-chamber, (b) the ash-pit, and

(c) the grate, all of which are of ordinary construction. I cast the body of the furnace with a projecting flanch (d) all around  
50 about the middle or hottest part of the furnace, which constitutes the bottom of the air heating chamber, the form of this flanch may be either polygonal or circular. The  
55 sides of the air heating chamber are provided with slots (e) of sufficient size through which the connection between the handle and body of the flat may pass freely. The heating chamber thus formed answers the  
60 double purpose of heating the flats, and at the same time prevents in a measure the radiation of the heat into the room. The top  
(f) of the heating chamber is made to rotate  
65 freely around the smoke pipe (g) and is provided with a single door or flap (h) which, when it is desired to remove or insert one of the flats, is brought directly over  
70 one of the slots (e) by which means the heating air in the chamber is kept confined therein and the heat is not much wasted by escaping into the room upon the removal and insertion of the flats. The whole body of the  
75 furnace rests and rotates upon a tripod (i) by which means the flats can be brought in regular rotation convenient to the ironer.

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

1. Combining with a portable furnace of the usual construction a surrounding heating chamber provided with apertures or slots to  
80 admit of the insertion or removal of the flats combined with a door or flap at top substantially as described.

2. I also claim providing the said air-heating chamber with a revolving top, provided  
85 with a single small door or flap which by the rotation may be brought directly over the slots in succession and the flats inserted or removed substantially as described.

JOHN T. DAVY.

Witnesses:

RICHARD S. SHELDON,  
A. C. ANTHONY.