

JOHN A. PRICE, Cooking Stove.

No. 123,419.

Patented Feb. 6, 1872.

Fig. 1.

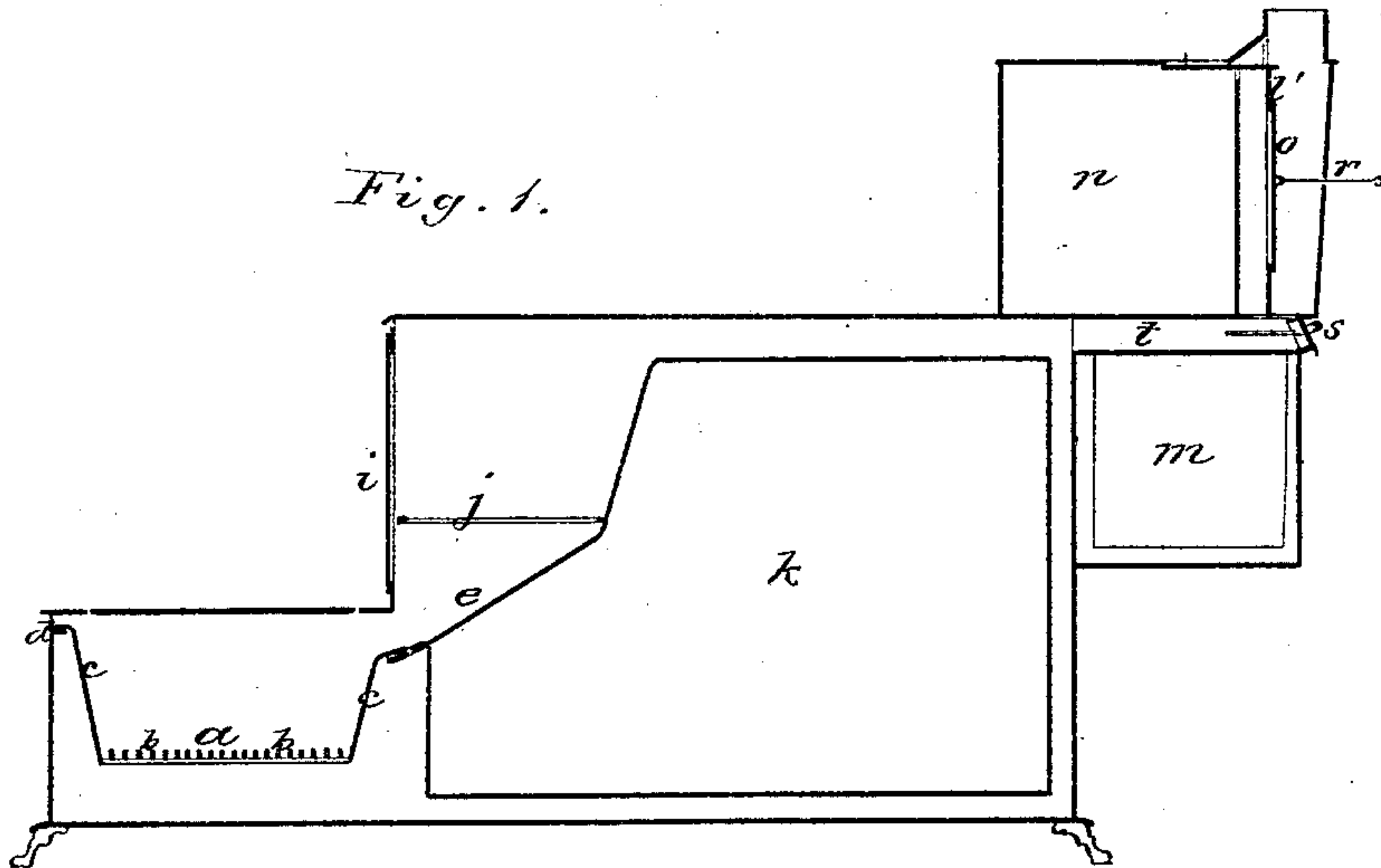


Fig. 2.

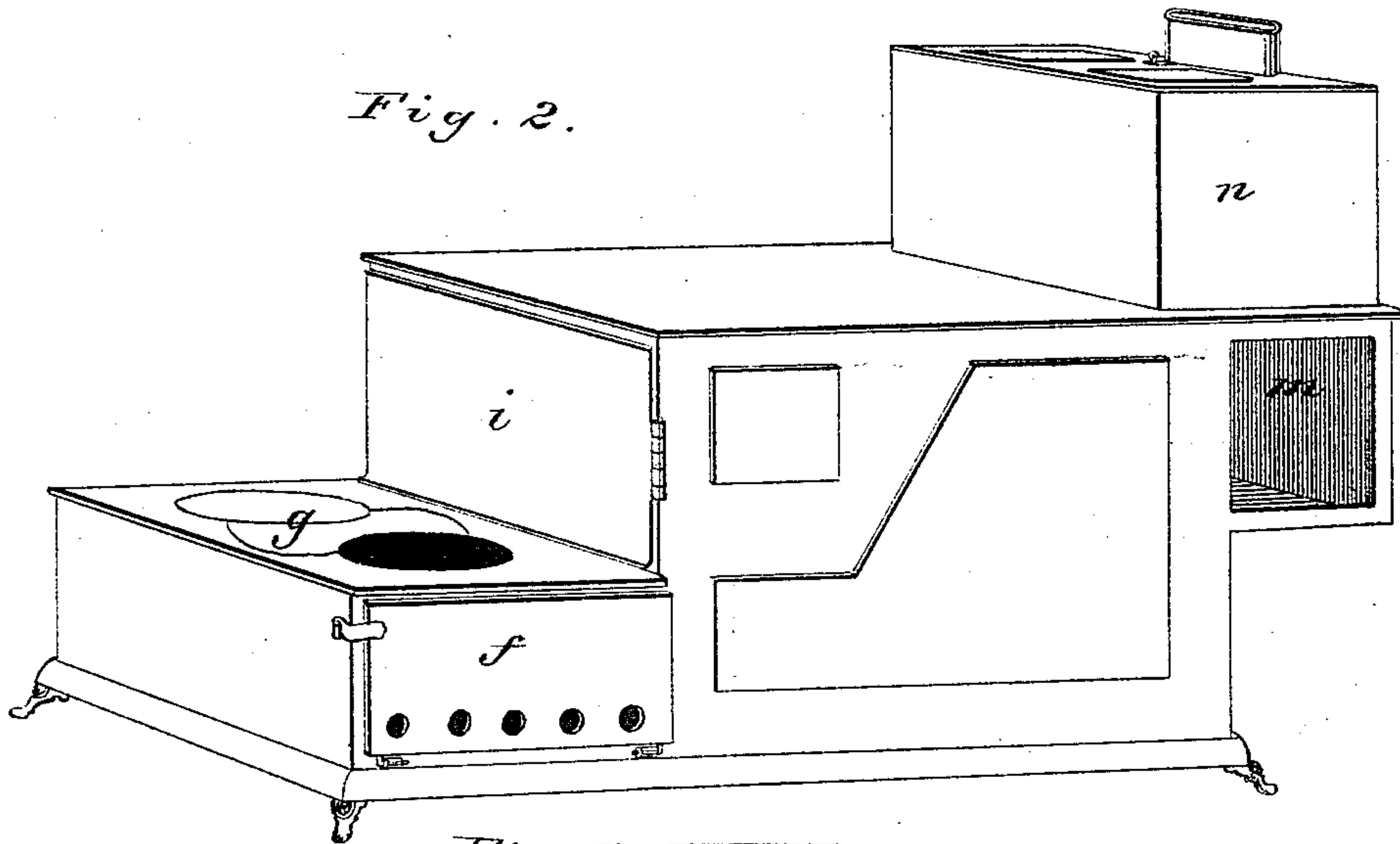


Fig. 4.

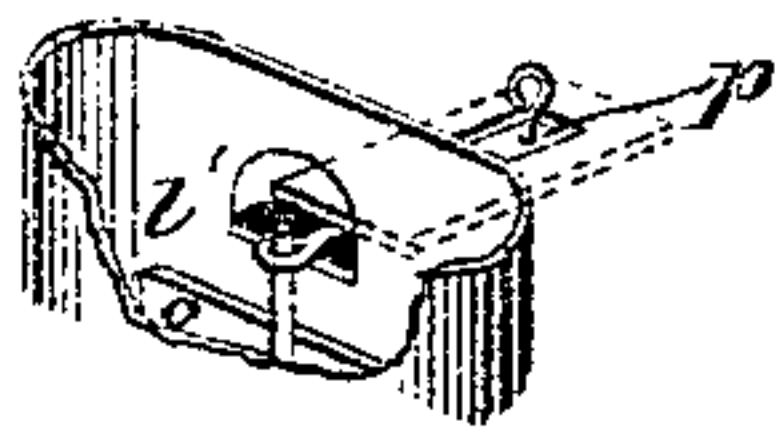
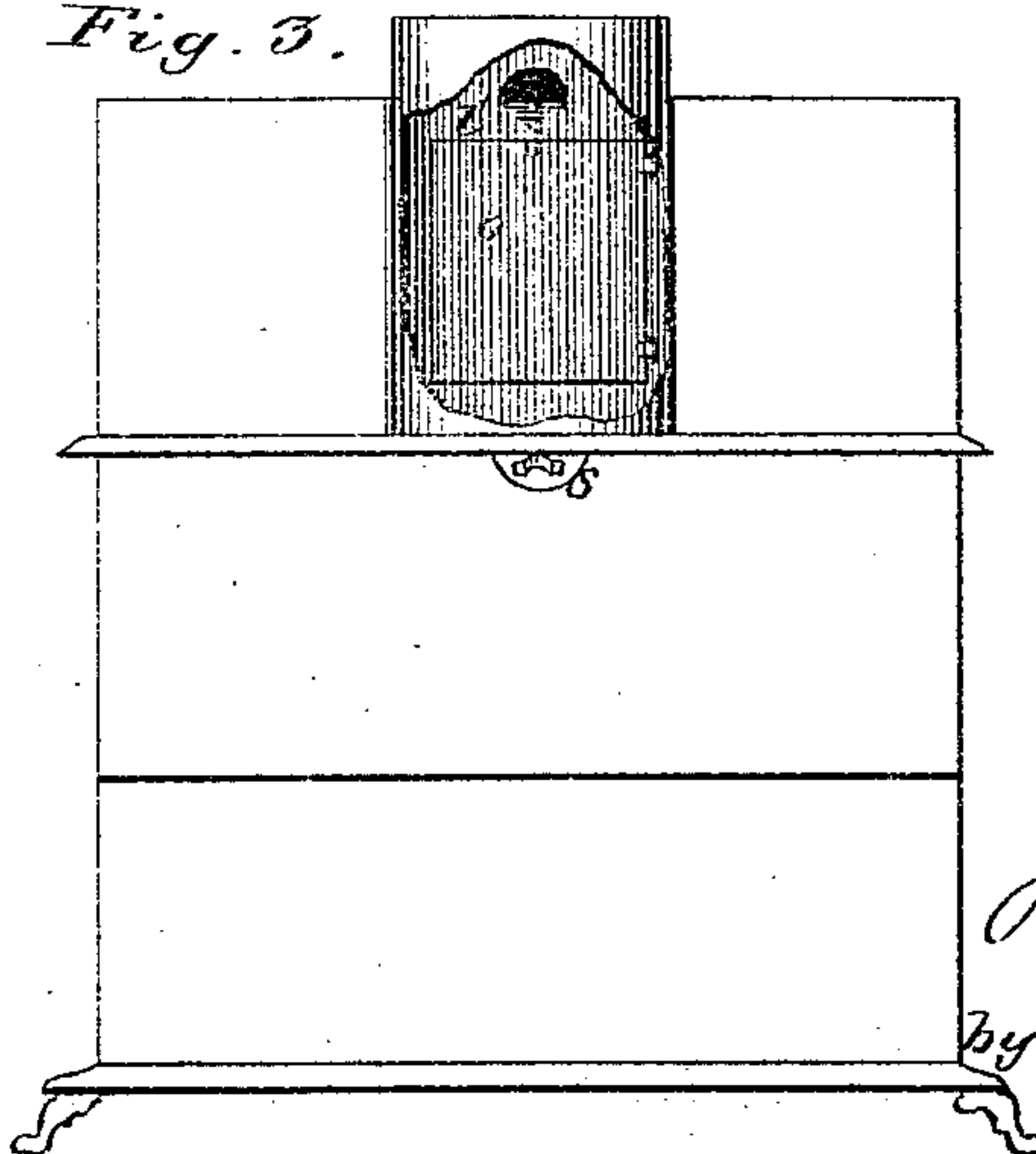


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN A. PRICE, OF SCRANTON, PENNSYLVANIA.

IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. 123,419, dated February 6, 1872.

Specification describing certain Improvements in Cooking-Stoves, invented by JOHN A. PRICE, of Scranton, Luzerne county, Pennsylvania.

Figure 1 is a longitudinal vertical section; Fig. 2, a perspective view, showing the opening in the hearth and door at the end of the ash-pit; Fig. 3, a view of the inside of the vertical flue at the back of the reservoir, showing the door therein; and Fig. 4, a perspective view of the steam-escape opening and slide.

The invention relates to a hot-water reservoir combined with a flue that runs horizontally from the back of the stove, and also vertically along the back of the reservoir above the stove, and having a door in its vertical part above the stove, which, when opened, allows the heated current in the flue to strike directly against the back of the reservoir, and, when closed, shuts off said heated current from the reservoir, thus enabling the amount of heat applied to the latter to be regulated; the said flue and reservoir having also communicating orifices for the escape of steam from the latter to the former, which orifices are furnished with a slide that is connected with the door aforesaid.

A horizontal flue, *l*, opens out of the back of the stove above the oven, and passes across the upper part of a warming-closet, *m*. Directly above the flue *l* and warming-closet *m* is placed a hot-water reservoir, *n*. In the back of the vertical flue *l'* is a door, *o*, which, when opened, exposes a part of the reservoir to im-

mediate contact with the contents of the flue, whence results a sudden increase of heat in the water. There is a continuous opening through the walls both of the flue *l'* and reservoir *n*, which openings are closed by a slide, *p*, worked from the top of the reservoir. By opening this slide steam from the reservoir can exhaust into the flue, thus preventing the saturation of the air of the room with moisture. The slide *p* may be connected with the door *o*, so that when the latter is opened in order to increase the heat of the water the slide *p* shall be closed for the same purpose; and when the door is closed the slide shall be opened. A rod, *r*, running through the back plate of the flue *l'*, may be connected with the door *o*, forming a separate means of operating the same. The piece *s* that forms the outer end of the flue *l* is made removable, in order to facilitate the clearing of the flues.

I claim as my invention—

1. The reservoir *n*, combined with the flue *l l'*, situated above the stove, and provided with the door *o*, as specified.

2. The reservoir *n* and flue *l'*, having communicating orifices for the escape of steam from the former to the latter, when said orifices are provided with the slide *p*.

3. The slide *p*, combined with the door *o*, when both are connected so as to work together, as specified.

JOHN A. PRICE.

Witnesses:

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E. R. MILLS.