

E. BUSSEY.  
Stove-Shelf.

No. 200,974.

Patented March 5, 1878.

Fig. 1

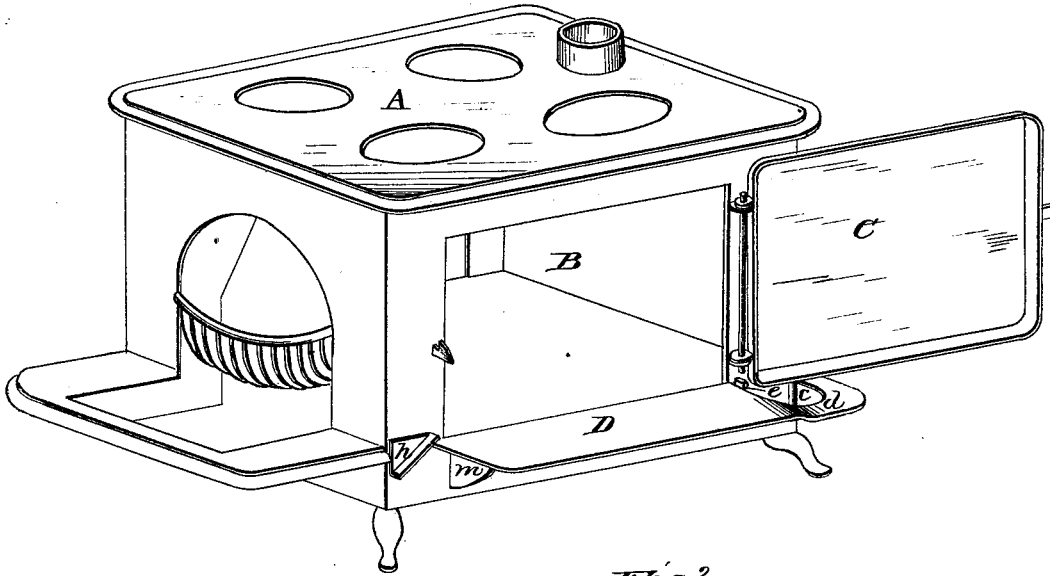


Fig. 2.

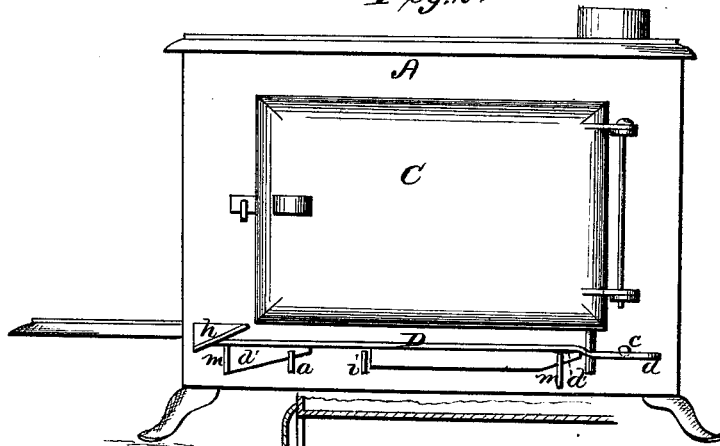
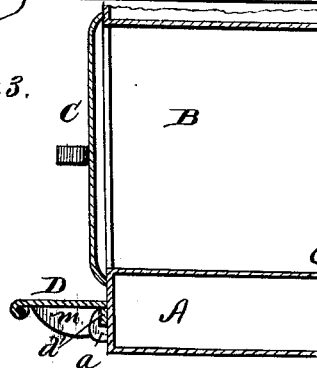


Fig. 3.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

ESEK BUSSEY, OF TROY, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT  
TO CHARLES A. McLEOD, OF SAME PLACE.

## IMPROVEMENT IN STOVE-SHELVES.

Specification forming part of Letters Patent No. **200,974**, dated March 5, 1878; application filed  
February 25, 1878.

*To all whom it may concern:*

Be it known that I, ESEK BUSSEY, of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Shelves for Stoves and Heaters, of which the following is a specification:

Figure 1 represents the oven-door open, with the shelf on a plane with the oven-bottom. Fig. 2 represents the oven-door closed, the shelf being below the bottom of the oven-door. Fig. 3 is a section through the side of the stove and shelf.

The nature of my invention consists in the application to the side of a stove or range, under the oven-door, of a shelf so arranged that by opening the oven-door the shelf is raised to the level of the oven-bottom, and when the oven-door is closed the shelf is lowered below the bottom of the oven-door, always retaining a substantially horizontal position.

In the drawings, A denotes a stove; B, the oven; C, the oven-door, which has at its inner or rear lower corner a pin or projection, *c*, which is adapted to move on the arm *d* of the shelf D whenever the door C is opened or shut. This shelf is made of such shape, form, and size as to be suited for its position at the side of the stove directly under the oven. It is held in this position by means of its flanges *d'*, which fit upon the shoulders of cleats *a*, attached to the side of the stove. The inner ends of these flanges *d'* are inclined, so that in opening the oven-door, as the pin *c* draws the shelf along, it will be caused to take an upward movement, when the flanges move over the shoulders of the cleats *a*. When thus drawn backward and the oven-door fully opened, the said shelf will be on a level with the oven-floor. It may be well to put a stop, *e*, on the side of the stove, to stay any horizontal movement of the shelf when the door is opened. The incline guide *h*, fixed to the stove side over the front end of the shelf, will assist in governing the movements of the shelf, as well as in staying it. In the forward movement of the shelf, or in closing the oven-door, a suitable stop, *i*, may be placed under the shelf to meet one of the flanges *d'*; or it can be placed at the front part of the stove side, like

as the stop *e* aforesaid is shown at the rear; but the braces *m* underneath the shelf may be made to act on the cleats *a*, and thus insure all advantages of the said stops. The flanges *d'*, fitted, as above explained, on the cleats *a*, will afford a firm and strong support to the shelf in any position. Instead of the arm *d*, the rear end of the shelf may have a slot, in which the pin *c* can play.

It will be obvious that the means or methods of actuating the shelf may be considerably varied from what has before been described—as, for instance, by placing the pin in the shelf and causing the door to act against that, and all without departing from the invention now claimed.

By the use of this improvement an extension is made to the bottom of the oven when the oven-door is open, so that pans or any cooking-vessel can be drawn upon it and outside of the oven; and when the oven-door is closed, the shelf can be used for holding cooking utensils upon it, warming feet, or any other needed purpose; and in these respects said shelf possesses peculiar advantages. It has an advantage over ordinary shelves fastened on the outside of stoves in this, that in a permanent shelf, to allow the door to close, the shelf will have to be placed below the plane of the oven, and if said shelf is placed in a line with the oven-bottom, the oven-door will have to be raised to pass over it, which is an objection. All these objections I overcome by my improvement.

In addition to these points of advantage, it must be remarked that this shelf always retains a horizontal, or substantially horizontal, position quite parallel to the oven-floor.

I do not claim, broadly, a shelf attached to a stove, but a movable or sliding shelf, as shown, on outside of the stove.

Having thus described my invention, what I consider new, and desire to secure by Letters Patent, is—

1. The exterior stove-shelf D, which is raised to the plane of the oven-bottom by opening the oven-door, and by closing said door is lowered to a plane below the oven, always retaining a position parallel, or nearly parallel, to the

oven-bottom, substantially as and for the purposes described.

2. The horizontally-sliding shelf D on the outside of the stove, combined therewith and with the oven-door C, having pin e, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as

my own I affix my signature in presence of two witnesses.

ESEK BUSSEY.

Witnesses:

CHAS. A. MCLEOD,  
CHAS. M. AUSTIN.