(No Model.)

# F. L. C. ANDERSON.

## COOKING STOVE OR RANGE.

No. 273,004. Patented Feb. 27, 1883.

Fig. 1.

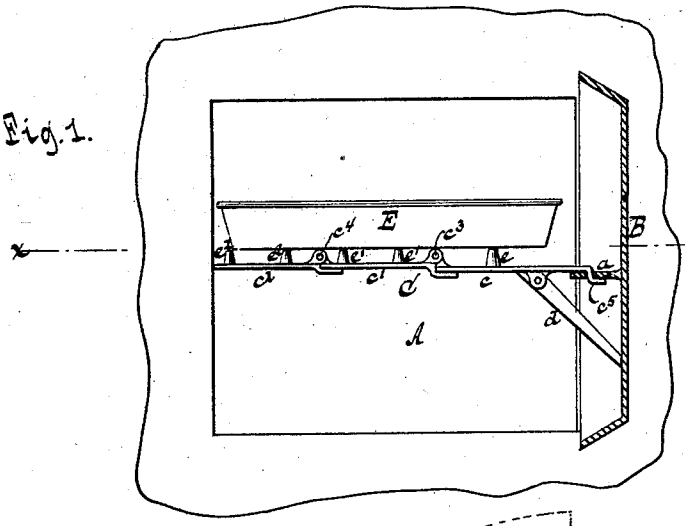



Fig. 2.

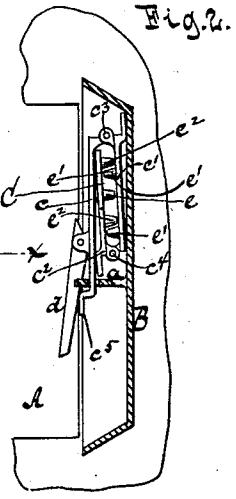
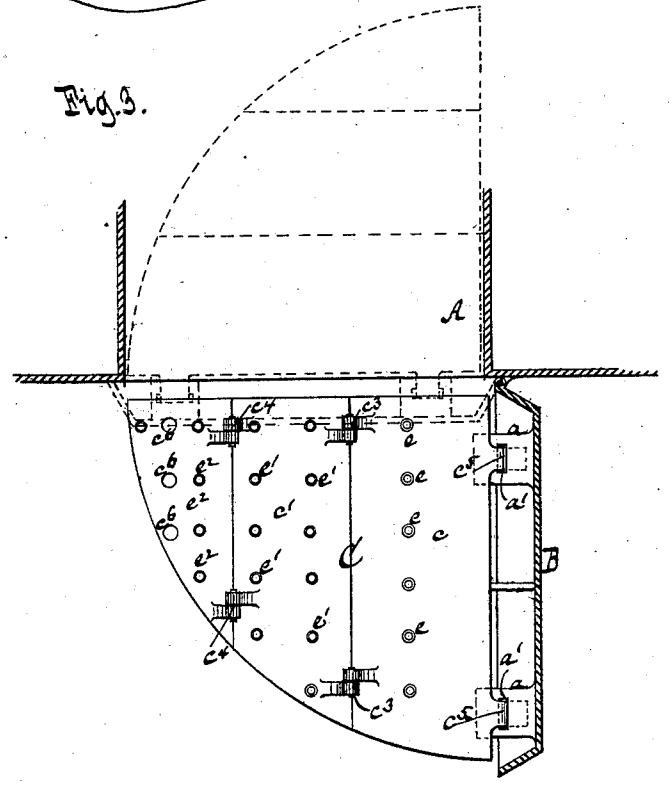



Fig. 3.

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# UNITED STATES PATENT OFFICE.

FREDERICK L. C. ANDERSON, OF NEW YORK, N. Y.

## COOKING STOVE OR RANGE.

SPECIFICATION forming part of Letters Patent No. 273,004, dated February 27, 1883.

Application filed December 4, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK L. C. ANDERSON, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Cooking Stoves or Ranges, of which the following is a specification.

This invention relates to certain improvements in cooking stoves or ranges; and its object is to provide the ovens or warming-chambers of such with a shelf or support for the reception of articles to be baked or warmed, said shelf being made in sections which are connected to each other and to the door by hinge-joints, so that when the shelf is not needed it can be folded up against the inner surface of the door, and when the shelf is to be used its sections can be readily unfolded and brought in a position at right angles to the surface of the door. In this position it is sustained by a hinged brace.

In the accompanying drawings, Figure 1 represents a partial side view of a stove, showing the oven-door open and the shelf unfolded. Fig. 2 is a similar view when the shelf is folded up. Fig. 3 is a horizontal section in the plane *x x*, Fig. 1.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates the oven or warming-chamber of a cooking stove or range, and B is the door which serves to open and close the same. To the inner surface of this door are firmly secured two brackets, *a a*, which form the supports for the inner end of the shelf C.

The shelf is made in two or more sections, *c c' c²*, the sections *c c'* being connected by hinge-joints $c^3$ and the sections *c' c²* by hinge-joints $c^4$, while the inner edge of the shelf is connected to the brackets *a a* in such a manner that the section *c* can be brought to a vertical or to a horizontal position.

In the example shown in the drawings the inner edge of the shelf is provided with two crooks, $c^5$, which engage with slots *a'*, formed in the brackets *a a*, and which are of such a shape that they form stops for retaining the shelf, when folded down, in a horizontal position, and that the shelf can be readily disengaged from the brackets. The inner edge of the shelf may, however, be connected to the bracket by hinge-joints or other equivalent means without departing from my invention.

The inner section of my shelf is provided with a hinged brace, *d*, which assists in sustaining the shelf in a horizontal position, as shown in Fig. 1, and which, when the shelf is folded, assumes the position shown in Fig. 2.

On the faces of the several sections of my shelf are formed projections *e e' e²*, which, when the shelf is unfolded, form the support for a pan, E, or other vessel containing the articles to be warmed or baked. The outer section, $c^2$, of my shelf is provided with holes $c^6$, which, when the shelf is folded, as shown in Fig. 2, engage with the projections *e* of the inner sections, and not only allow of folding the sections up closely, but also serve to retain the shelf in its folded condition.

When the shelf is unfolded it forms the quarter-section of a circle, and the door can be closed and opened without folding up the shelf. In Fig. 3 I have shown the position of the shelf when the door is open in full lines and when the door is closed in dotted lines.

By referring to Fig. 1 it will be seen that my shelf is about on a level with the central portion of the oven or warming-chamber, so that the vessel or vessels placed on said shelf, when the door is closed, are exposed to uniform temperature from all sides, and, furthermore, room is left in the oven beneath the shelf for the introduction of additional vessels or articles.

I am aware that a segmental shelf has been attached to the door of an oven or warming-chamber, said shelf being constructed and adapted to be automatically moved by the door in a horizontal plane on the bottom of the oven-chamber. I am also aware that a hinged shelf has been combined with the oven-chamber and with the door thereof, so that when the door is opened the shelf is turned down to form an extension of the bottom of the oven-chamber. These devices I do not claim as my invention.

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

1. The combination, substantially as hereinbefore described, of the oven-chamber, the door, and the sectional folding shelf connected to said door.

2. The combination, substantially as hereinbefore described, of the oven-chamber, the door, the sectional folding shelf connected to said door, and brace.

3. The combination, substantially as hereinbefore described, of the oven-chamber, the door, the shelf composed of folding sections $c$ $c'$ $c^2$, the projections $e$ $e'$ $e^2$, and the holes $c^6$ in the outer section, $c^2$.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

F. L. C. ANDERSON. [L. S.]

Witnesses:
W. HAUFF,
E. F. KASTENHUBER.