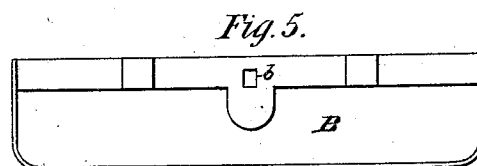
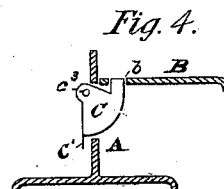
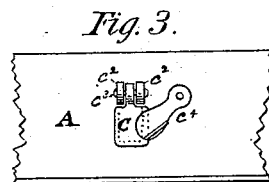
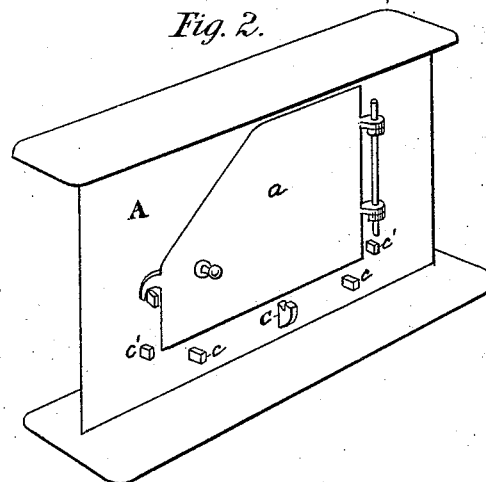
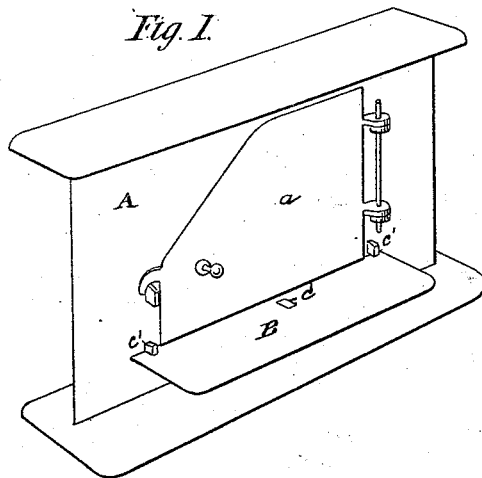


(No Model.)

E. KUHN.
OUTSIDE OVEN SHELF.

No. 423,480.

Patented Mar. 18, 1890.



WITNESSES.

Frank Pardon,
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INVENTOR

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UNITED STATES PATENT OFFICE.

EDMUND KUHN, OF LOUISVILLE, KENTUCKY.

OUTSIDE OVEN-SHELF.

SPECIFICATION forming part of Letters Patent No. 423,480, dated March 18, 1890.

Application filed November 11, 1889. Serial No. 329,860. (No model.)

To all whom it may concern:

Be it known that I, EDMUND KUHN, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Outside Oven-Shelves; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to outside oven-shelves for stoves and ranges; and its object is to furnish an outside oven-shelf to be used on the sides of cook stoves and ranges directly under the oven-door. I accomplish this by means illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the side of a stove having my outside shelf in position. Fig. 2 is a similar view with the shelf removed, showing the hook and lugs by which my shelf is held in position. Fig. 3 is a detail view of part of the back of the side plate of the stove, showing a modification of the hook and means for pivoting and fastening my hook when made movable; and Fig. 4 is detail sectional view of part of the side plate of the stove and of the shelf, showing the relation of the hook when made movable to the shelf and side of the stove. Fig. 5 is a detail view of the bottom of my oven-shelf, showing the slot for the hook.

Similar letters refer to similar parts throughout the several figures.

A indicates the side of the stove or range, and *a* represents an oven-door of the usual pattern.

B represents my outside shelf, and *b* a slot in same for the reception of the supporting-hook.

C represents the supporting-hook; C', a retaining back flange on same.

c c represent supporting-lugs; *c' c'*, retaining-lugs; *c² c²*, swivel-lugs; *c³*, the swivel-pin, and *c⁴* a retaining catch or button.

The shelf B is cast separate from the stove,

and can be put in position in a few seconds without bolts, screws, or other contrivances. Ordinarily I cast the hook C, as well as the lugs *c* and *c'*, as shown in Fig. 2, in one piece with the side A; but the hook C may be made separate and movable and attached to the side A by a swivel-pin, so that it can be pushed through a slot in the side A to engage the slot *b* in the shelf, as shown in Figs. 3 and 4. When this modification of the hook is used, the retaining-flange C' prevents it from coming too far forward through the slot in side A, and the retaining-button C⁴ holds it firmly in position to engage the slot in the shelf.

When the shelf is put in position on the side of the stove, the hook C fits in the slot *b* in the shelf and prevents it from pulling off forward or slipping endwise. The lugs *c c* support the shelf, and the lugs *c' c'*, placed near the ends of the shelf and so as to bear on its upper surface when it is resting on the hook C and the lugs *c c*, prevent it from falling down.

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

1. The combination of the shelf having a slot, as shown, with the stove or range provided with a hook C, adapted to fit in the slot in the shelf, and lugs *c* and *c'*, arranged in different planes, substantially as described, and for the purpose specified.

2. The combination of the shelf having a slot, as shown, with the stove or range provided with lugs *c* and *c'*, arranged in different planes, a slot intermediate said lugs, and a hook adapted to work in said slot and to be held in contact with the shelf by means substantially as described.

3. The combination, with the stove or range having a slot in its side, of a hook C, adapted to work in said slot and to be held in position by means substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

EDMUND KUHN.

Witnesses:

HORATIO S. FULLENLOVE,
WILLIAM E. HOBSON.