F. H. ROOT.

Shelf for Stove Ovens.

No. 219,768. Patented Sept. 16, 1879.

Fig. 1.

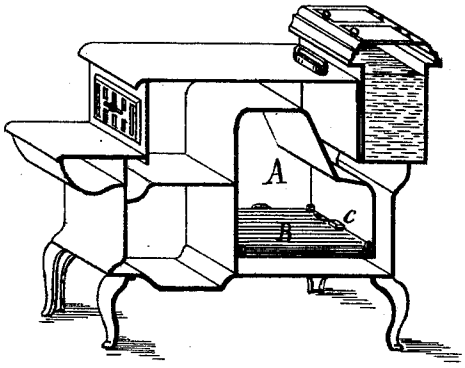


Fig. 2.

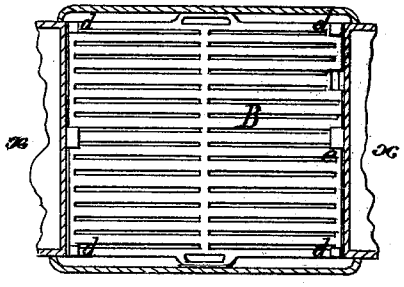


Fig. 3.

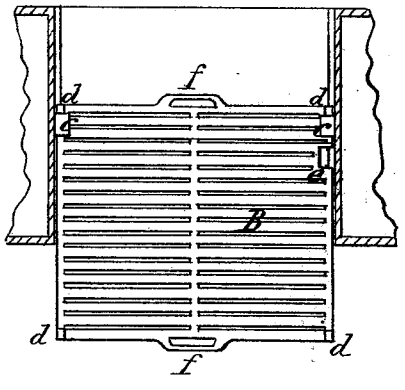


Fig. 4.

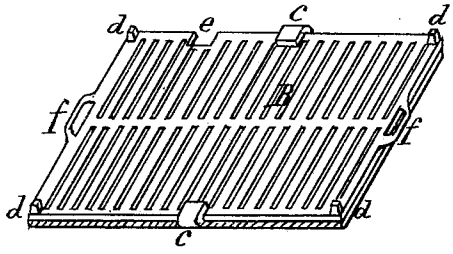
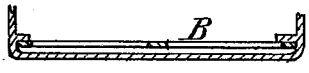


Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

FRANCIS H. ROOT, OF BUFFALO, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENT, TO SHERMAN S. JEWETT & CO., OF SAME PLACE.

IMPROVEMENT IN SHELVES FOR STOVE-OVENS.

Specification forming part of Letters Patent No. **219,768**, dated September 16, 1879; application filed September 12, 1877.

To all whom it may concern:

Be it known that I, FRANCIS H. ROOT, of the city of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Shelves for the Ovens of Cooking and other Stoves, which improvements are fully set forth in the following description, reference being had to the accompanying drawings.

My invention relates to a sliding shelf arranged in the oven of a stove in such manner that it can be drawn out of the stove the required distance to permit of an examination of the articles placed on the shelf, and be held securely when drawn out, thereby doing away with the necessity of handling the hot pans or other receptacles in which the articles to be cooked are contained.

My invention consists of the particular construction of the device, as will be hereinafter set forth.

In the accompanying drawings, Figure 1 is a perspective sectional view of a stove provided with my improved shelf. Fig. 2 is a horizontal section of the stove with the shelf arranged within the stove. Fig. 3 is a similar view with the shelf partially drawn out. Fig. 4 is a perspective view of the shelf and guides. Fig. 5 is a section on line *x x*, Fig. 2.

Like letters of reference designate like parts in each of the figures.

A represents the oven of a cooking or other stove, and B a shelf or light plate of rectangular form, preferably cast open, and arranged on or near the bottom of the oven A, as clearly shown.

c c are two lugs arranged opposite each other on the sides of the oven, and formed therewith or secured thereto, so as to overlap the edge or side of the shelf B. The lugs *c* serve as guides or form ways which permit the shelf to be drawn out of the oven at either side, and, by bearing upon the upper side of the shelf, support the latter in a horizontal position when partially drawn out.

d are upwardly-projecting stops arranged at the sides of the shelf B, in such manner as to limit the distance to which the shelf can be drawn out of the oven by striking against the lugs *c*.

e is a notch formed in one of the side edges of the shelf B, and made of such size as to slip over a lug, *c*. The lugs *c* engage or secure the shelf in an obvious manner.

The shelf is provided with two suitable hand-openings, *f*, for conveniently taking hold of it. The pan or other receptacle containing the article to be cooked is placed upon the shelf B.

Upon opening one of the doors of the oven, the shelf B is readily drawn out the required distance, carrying the pan and articles contained therein with it. The shelf is firmly supported in this position by the lugs *c* and stops *d*, holding the article to be cooked in a most convenient manner for examining and manipulating it, and the shelf and contents are readily returned to their position within the oven.

From the foregoing it is evident that the pan or other receptacle is drawn out of the oven and returned without requiring the hands of the attendant to come in contact therewith, which renders the whole operation very convenient and easy.

My improved shelf, when arranged within the oven, does not obstruct any useful space, and it does not project out of the oven when the doors are opened, except when it is so desired, whereby the breaking of the shelf is to a great extent avoided, and its durability correspondingly increased.

I claim as my invention—

The combination, with the stove-oven having overlapping lugs *c c*, of the sliding shelf B, provided at its corners with raised stops *d d*, and having a notch, *e*, as and for the purpose set forth.

F. H. ROOT.

Witnesses:

JOSIAH JEWETT,

EDWARD WILHELM.