

R. KALBITZ.
Oven for Stoves.

No. 219,956.

Patented Sept. 23, 1879.

Fig: 1.

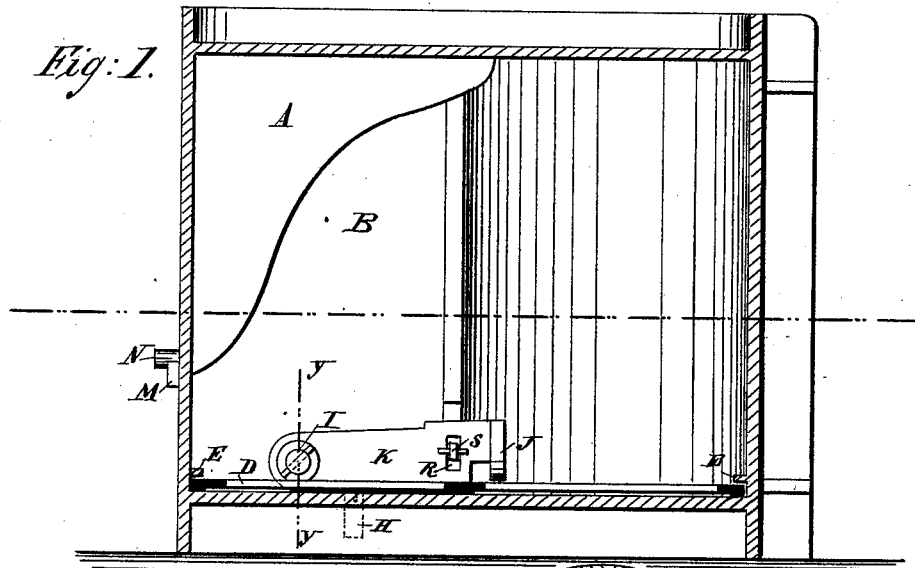
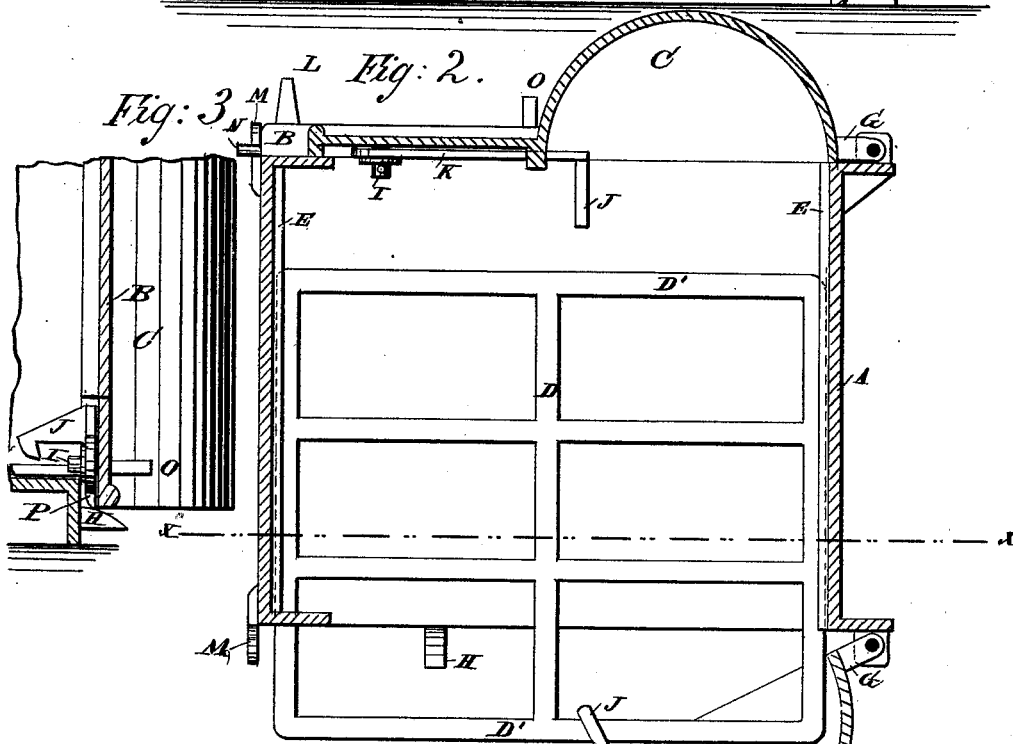


Fig: 2.



WITNESSES:

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ROBERT KALBITZ, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN OVENS FOR STOVES.

Specification forming part of Letters Patent No. **219,956**, dated September 23, 1879; application filed June 18, 1879.

To all whom it may concern:

Be it known that I, ROBERT KALBITZ, of the city of St. Louis and State of Missouri, have invented a new and useful Improvement in Baking-Ovens of Stoves, of which the following is a specification.

The object of my invention is to provide an improved baking-oven for stoves, so that when the door of the oven is opened the dish containing the object that is to be baked is drawn out automatically, and in the same way is replaced when the door is closed, at the same time, however, allowing the door to be opened without drawing out the dish.

The invention consists in the combination of a bay, a latch, a lug, and a beveled projection; also, in the combination of a latch, projecting knob, and bar, all as hereinafter described.

In the accompanying drawings, Figure 1 is a vertical cross-section on the line *x x*. Fig. 2 is a plan view. Fig. 3 is a detail section of the door on the line *y y*, and shows the arrangement of the latch.

Similar letters of reference indicate corresponding parts.

A is the bake-oven of an ordinary cooking-stove, and is provided with the doors B B, which are hung on the hinges G G, and are closed by the latch N, which rests on the lug M when the door is closed. L L are the knobs. Each door has a semicircular bay, C C, for a purpose that will be hereinafter described.

D D is a slide, which rests on the floor of the oven and receives the dish or pan. The slide is guided by the bars E E on the sides of the oven.

A falling latch, K, provided with the hook J, which is at right angles to it, and is guided and held by the lug S and slot R, is pivoted to the inner side of each door at I.

H is a beveled projection, for the purpose of raising the latch in case the hook J shall not catch the bar D' of the slide D.

The device operates as follows: When the doors are closed, the hooks J of the latch K

are raised and do not catch the bars D' D', for a small lug, P, Fig. 3, is attached to the falling latch K, and as soon as this lug meets the beveled projection H it is raised, and thus raises the latch.

The object of having the latch raised when the doors are closed is to enable a person to open either door, and yet always draw out the slide with it when desired.

As soon as the door is opened, the lug P slides down the projection H, and the latch falls down by its own weight, and the hook J catches the bar D', and as the door is opened farther draws out the slide D. The corner of the slide passes into the semicircular bay C until the door is entirely opened. Either door can be opened, and the slide can be drawn out on either side. However, before one door can be opened the other must be securely closed, for otherwise the hook of the door that is to be opened cannot catch the bar D'.

It may sometimes be desirable to open the door without causing the slide D to be drawn out. In such cases the falling latch K is raised by means of the small projecting knob O until the hook J has passed over the bar D' and cannot catch it. The door can be opened and the slide will remain in the oven.

By applying my device the pan or dish can be drawn out of the oven without touching it. They can be drawn in and out much faster, and a great amount of labor and inconvenience is avoided.

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

1. The combination of the bay C, the latch K, the lug P, and the beveled projection H, as and for the purposes set forth.

2. The combination of the latch K, projecting knob O, and the bar D', as and for the purpose set forth.

ROBERT KALBITZ.

Witnesses:

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