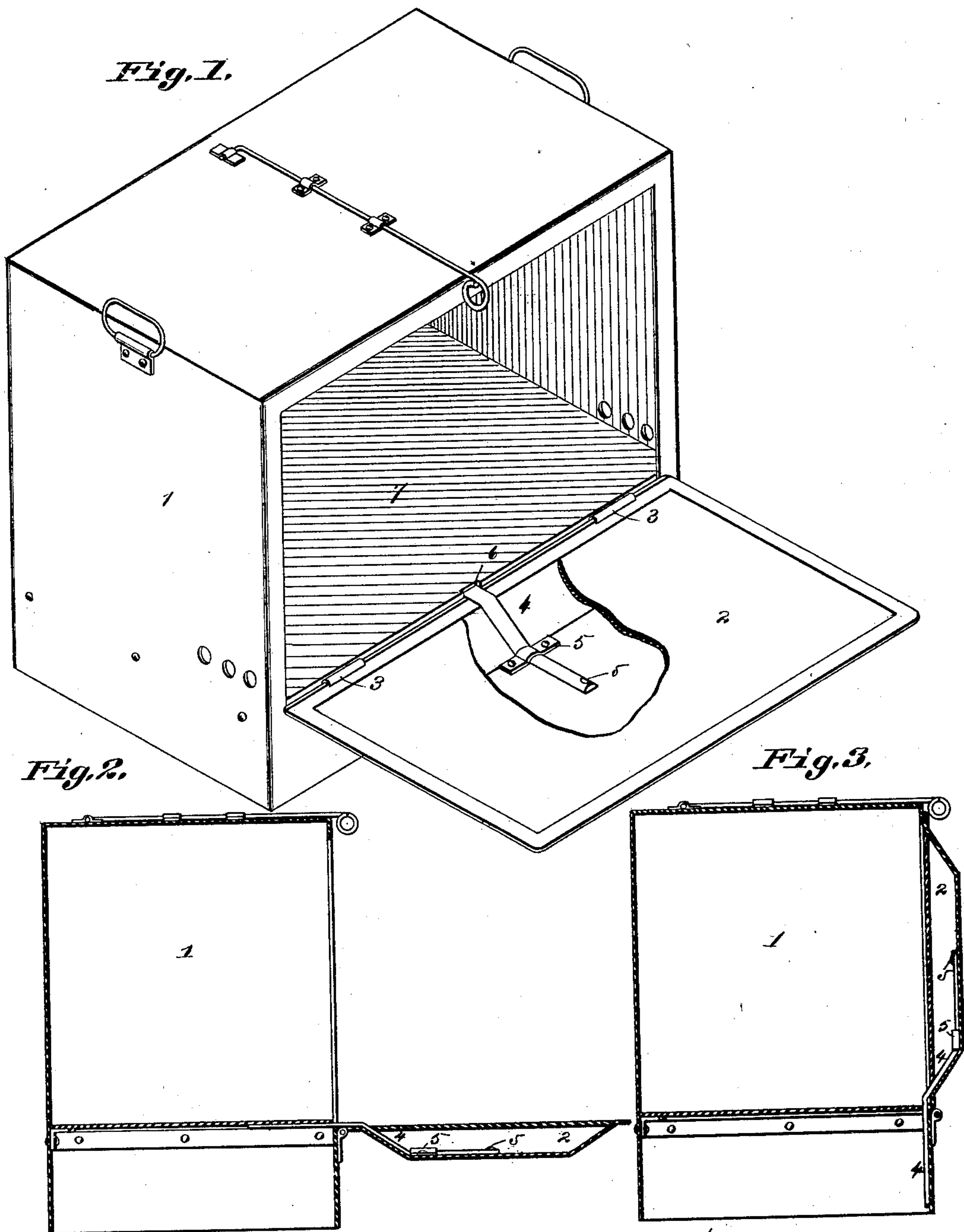


(No Model.)

J. RINGEN.  
OVEN FOR VAPOR STOVES.

No. 360,728.

Patented Apr. 5, 1887.



Attest:

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# UNITED STATES PATENT OFFICE.

JOHN RINGEN, OF ST. LOUIS, MISSOURI.

## OVEN FOR VAPOR-STOVES.

SPECIFICATION forming part of Letters Patent No. 360,728, dated April 5, 1887.

Application filed November 30, 1886. Serial No. 220,278. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN RINGEN, of the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements  
5 in Ovens for Vapor-Stoves, of which the following specification is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

10 Figure 1 is a perspective view of the oven, showing the supporting-bar holding the oven-door in its horizontal open position. Figs. 2 and 3 are transverse sections of the oven, showing the same relatively open and shut, with  
15 the relative position of the supporting-bar in the two positions.

This invention relates to an attachment for supporting the oven-doors of vapor-stoves; and the invention consists in features of novelty,  
20 hereinafter fully described, and pointed out in the claim.

Referring to the drawings, 1 represents the oven, and 2 the door, which swings on hinges 3, and is held in its open horizontal position  
25 by a supporting-bar, 4, that is secured to it by brackets, rivets, or other suitable means, 5.

The inner end of the supporting-bar enters through a slot, 6, in the front edge of the floor-plate 7, above the bottom of the oven, and  
30 rests on the edge of the front or casing plate

that surrounds the door. When the door is closed, the end of the bar hangs vertically inside the casing-plate; but when the door is opened and lowered the end of the bar rises until it engages against the under side of the  
35 floor-plate of the oven, which arrests the progress of the door and holds it in a horizontal position, so that it may be used as a shelf.

A spring-rod, 9, secured to the top of the oven by brackets 10, has a pendent curved  
40 end that engages the door when it is closed and holds it in that position.

The supporting-bar has abundant leverage to hold the door in its open position, and has not the disadvantage of largely adverse lever-  
45 age, that is the cause of frequent breakages with the horizontal oven-door hinges in common use.

I claim as my invention—

The combination of the oven 1, the floor 7  
50 above the bottom, and the front drop-door, 2, having a supporting-bar, 4, extending beneath the floor for sustaining the door in a horizontal position as a shelf, substantially as described.

JOHN RINGEN.

In presence of—

GEO. H. KNIGHT,  
EDW. S. KNIGHT.