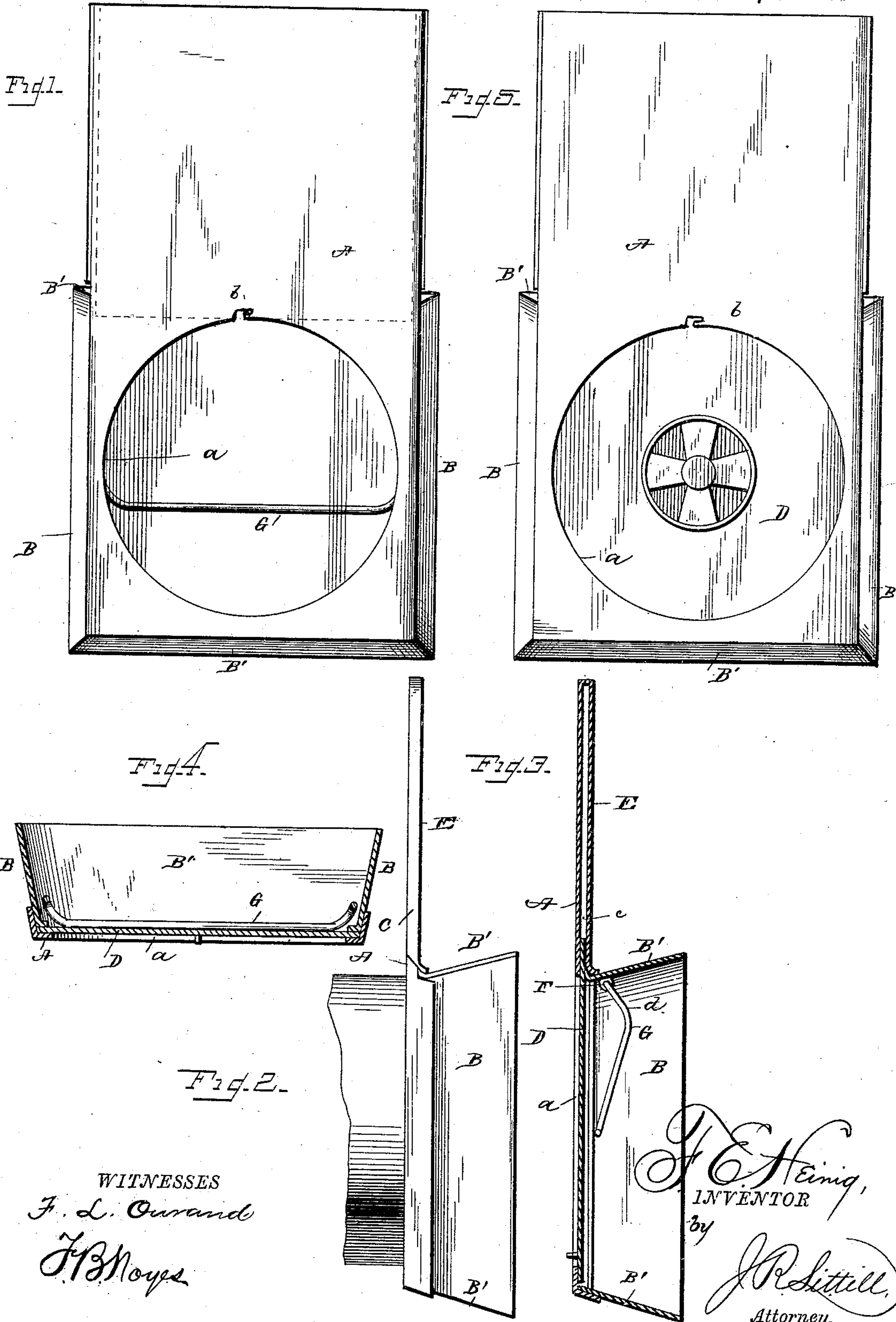


(No Model.)

F. E. HEINIG.  
FLUE CAP AND VENTILATOR.

No. 343,456.

Patented June 8, 1886.



# UNITED STATES PATENT OFFICE.

FREDERICK E. HEINIG, OF LOUISVILLE, KENTUCKY.

## FLUE-CAP AND VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 343,456, dated June 8, 1836.

Application filed May 26, 1885. Serial No. 166,727. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK E. HEINIG, 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 Flue-Caps and Ventilators; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in flue-caps; and it has for its object to provide the same with a pivoted bail or like device adapted to bear against the free end of the stove-pipe to hold the same in its proper position.

A further object of the invention is to provide a flue-cap of that class in which a sliding door is employed, with a catch device for holding said sliding door in a raised position, when so desired.

A further object of the invention is to provide the sliding door before described with a ventilator.

A further object of the invention is to improve and simplify the construction of articles of this character, and which will be more efficient and effective than devices of this character heretofore produced.

With these ends in view the invention consists in the improved construction and detailed arrangement of parts, hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a front elevation of my improved flue-cap, the sliding door raised, and its position shown in dotted lines. Fig. 2 is a side elevation of the same. Fig. 3 is a longitudinal vertical section. Fig. 4 is a horizontal section. Fig. 5 shows ventilator.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A represents a plate, which is provided nearest its lower end with a hole or opening, *a*, of a size sufficient to receive a stove-pipe, surrounding which, upon the inner side of the plate, are flanges B B'. The edge of the upper end

flange adjacent to the plate is turned upwardly, so as to leave a space between itself and the plate A. The sides and lower end of the plate A are turned inwardly and secured to the flanges adjacent thereto by soldering, riveting, or other suitable means, thus holding said flanges B in place. The ends of the side flanges, B, adjacent to the plate A are turned inwardly at right angles, thus forming a space between the same for a sliding door, D, said inwardly-extending ends of the side flanges, in connection with the upturned inner end of the upper flange, B', serving as a guide for said sliding door in its movements, said door being provided with a ventilator, B', adapted to be used when the stove-pipe is removed and the door lowered.

The plate A is provided adjacent to the upper end of the opening *a* with a curved or angular slot, *b*, which, when the cover is raised, is adapted to receive an outwardly-extending pin located on the sliding door, at the lower end thereof, and midway between its ends, sufficient lateral movement being afforded the cover to allow the pin to be engaged with the slot.

Upon the upper end of the plate A is provided a plate, E, having its ends turned inwardly to form guides *c*, the lower end of said plate being bent outwardly, so that it will fit over the upturned end of the upper flange, B'.

Upon the under side of the upper flange, B', are provided ears or lugs F, located near the ends of the same, said ears or lugs being provided on their inner sides with holes or openings, in which are located the oppositely-bent ends of a pivoted bail, G, which is bent, as at *d*, so that when the sliding door is lowered the closed end of said bail will bear against the same. It will be seen that when the sliding door is raised and the pipe inserted said bail will bear against the end of the same, and prevent its inward movement and hold it in its proper position.

I claim as my invention and desire to secure by Letters Patent—

1. The combination, with the plate A, having the inwardly-flaring flanges B B', and the



guide-plate E, secured to the upper end of plate A, of the vertically-sliding door having a pin at its lower end, said plate A having a slot to receive the pin when the door is raised, substantially as set forth.

5 2. The combination of the plate A, having an opening, the flanges B B', and the lugs secured to said flanges, and the pivoted bail G, formed of a single piece of wire, and bent at d,

so that its lower free end will be located in front of its pivotal point, substantially as set forth.

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

FREDERICK F. HEINIG.

Witnesses:

HOPSON SMITH,

J. M. CHATTERSON.