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R. D. Wilcox.

STOVE PIPE OVEN.

PATENTED AUG 1 1871

Fig. 1.

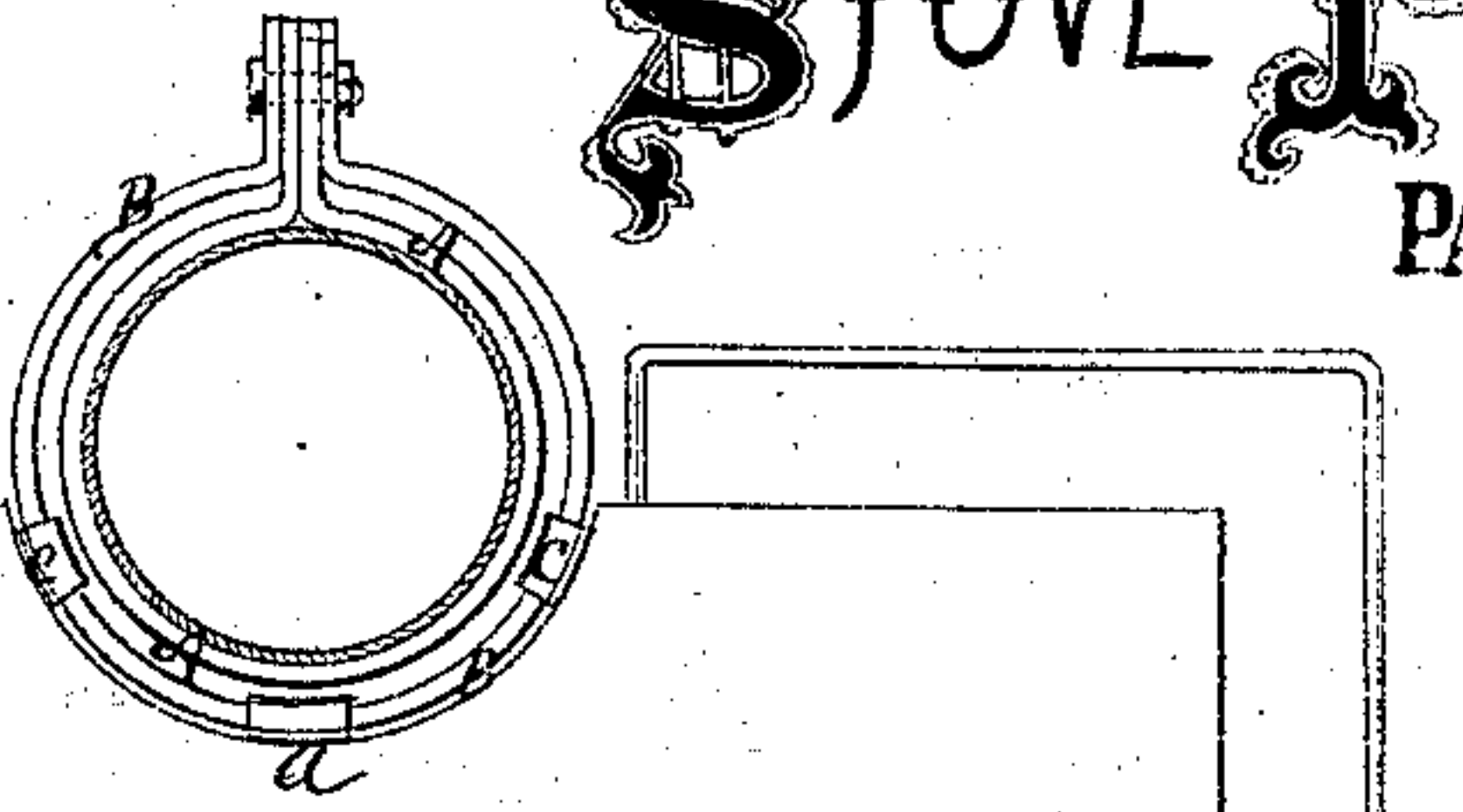


Fig. 2.

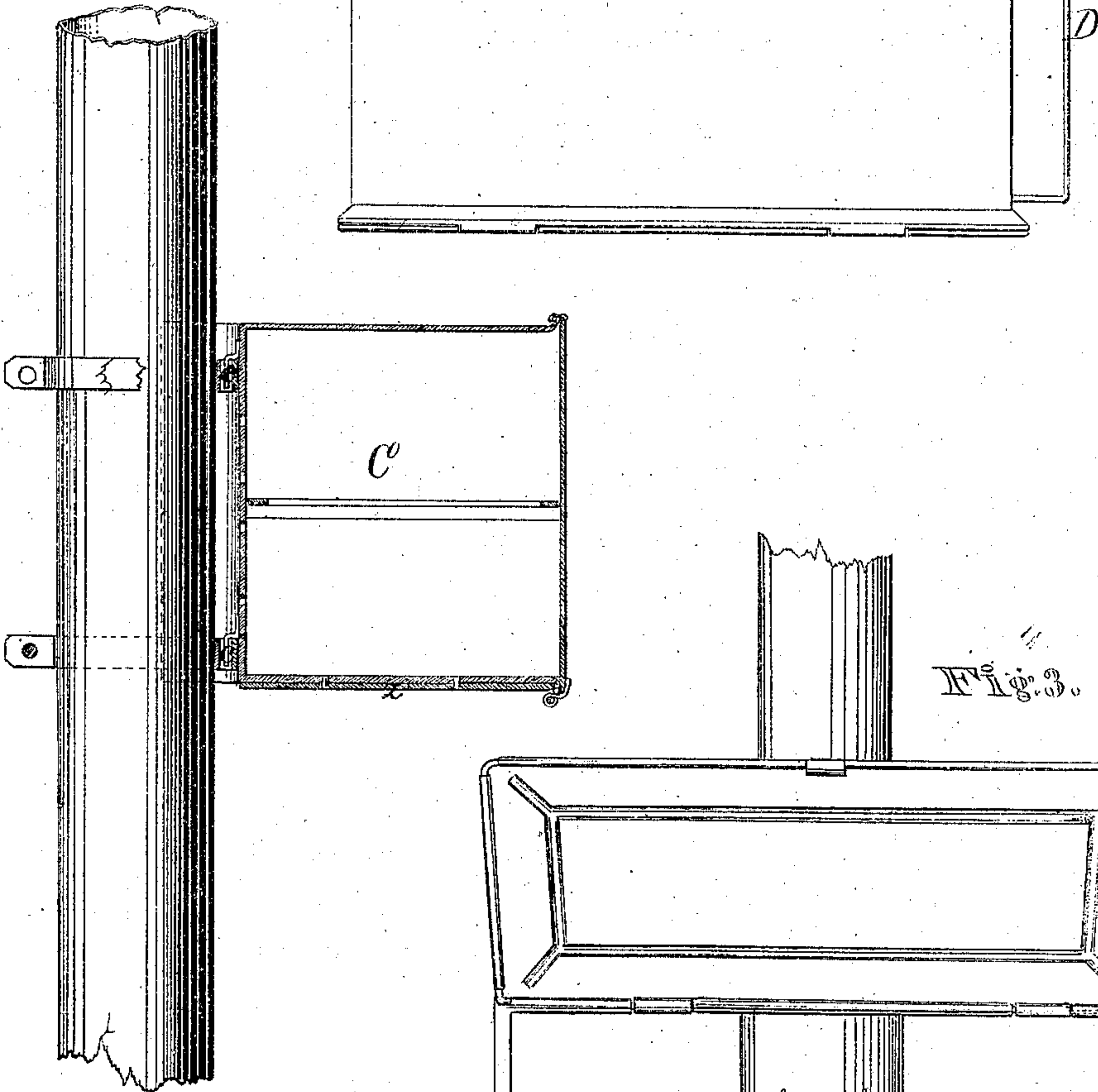
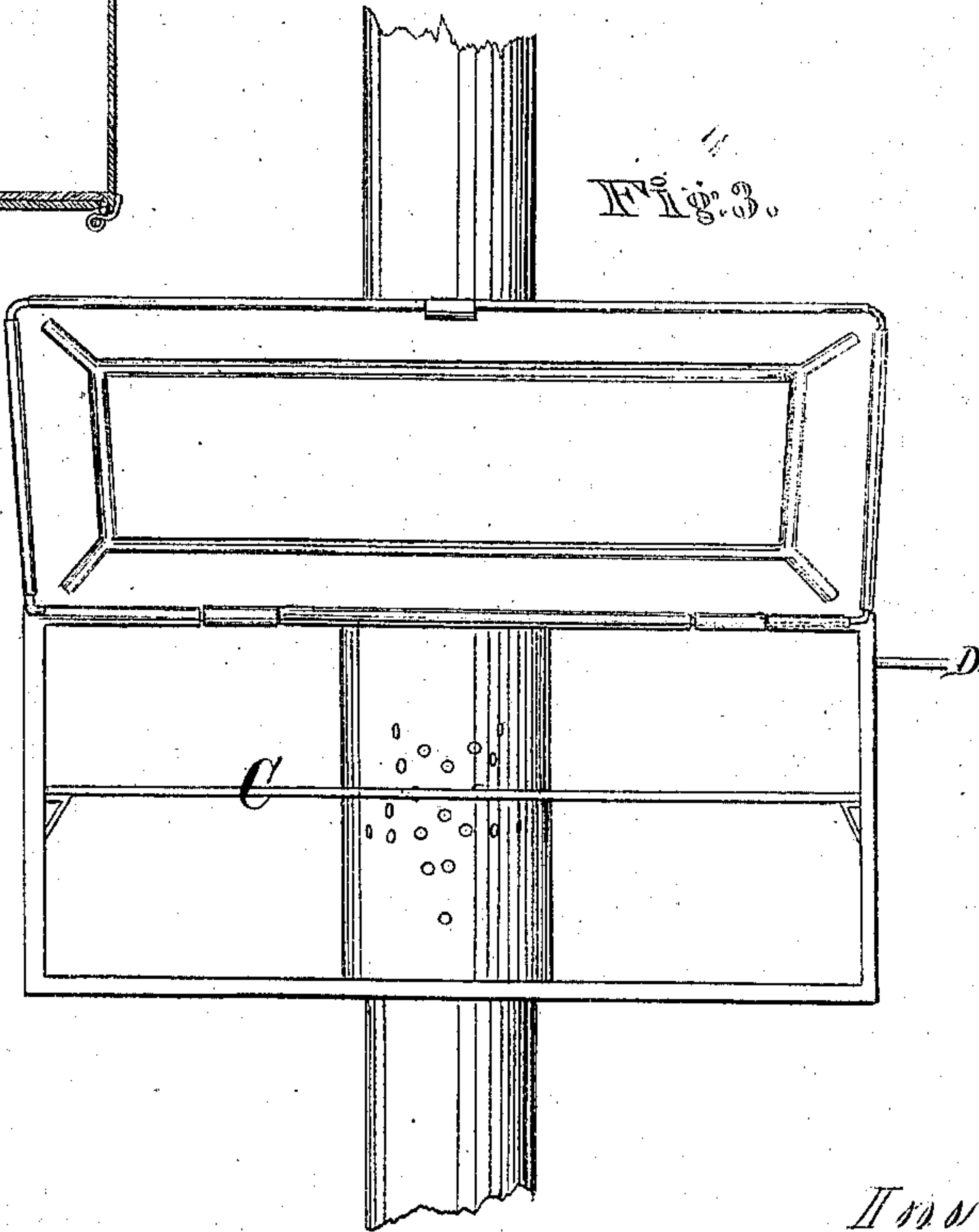


Fig. 3.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

ROSWELL D. WILCOX, OF BUFFALO, NEW YORK.

## IMPROVEMENT IN STOVE-PIPE OVENS.

Specification forming part of Letters Patent No. 117,710, dated August 1, 1871.

*To all whom it may concern:*

Be it known that I, ROSWELL D. WILCOX, of the city of Buffalo, in the county of Erie and State of New York, have invented a new and valuable Improvement in Stove-Pipe Ovens; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a top view of my invention. Fig. 2 is a central vertical transverse section thereof, and Fig. 3 is a front view of the same.

My invention has relation to an improvement in stove-pipe ovens; and it consists in the arrangement of the wire rails or handles, the mode of ventilation, and the means whereby the oven is attached to the stove-pipe.

A of the drawing represents a band, the ends of which are turned off and riveted together a certain distance from the pipe, in order that there may be a certain amount of spring action, which will serve to keep the band tight upon the section after it has been slipped over the end thereof. Concentric with this band is an outer band, B, encircling the same, but sufficiently distant therefrom to admit of the introduction between the two of the hooks of the oven. C represents the oven, which may be in any convenient form. It is designed to be recessed in rear, where it embraces the stove-pipe. In the wall of this semicircular recess *a* are perforations, which serve an excellent purpose in ventilating the oven. As this oven is ordinarily made of tin, I usually employ a strengthening cleat, *z*, underneath the middle portion, to prevent the same from bending downward under the weight of the articles which may be put into the oven, and to prevent this weight from rolling the bottom up where it is in contact with the pipe. This cleat is usually of sheet-iron, and is

riveted to the bottom of the oven, or to an under band of tin, which may be soldered thereto. The latter method is desirable when it is preferred not to perforate the bottom. D D are the rails, extending the whole length of each side of the oven and in rear of the same, on each side of the stove-pipe, as shown in Fig. 1. These rails, besides serving as handles to the oven, are admirably adapted for drying small articles, as towels, &c. The oven is attached to the band A B by means of the hooks *c c*, which are secured to the wall of the semicircular recess *a*. These hooks or tongues extend downward between the bands A and B, and thereby the oven is secured to the stove-pipe in such a manner that it may be readily detached therefrom at a moment's warning. If necessary, two such ovens may be attached to the same set of bands.

It will be observed that the nature of the fastening is such that the oven may be placed on either side of the stove-pipe as well as in front, without altering the position of the bands. If the position of the band be altered the oven may be placed in rear, and its height on the stove-pipe may be altered at will. Two sets of bands, A B, as shown in the drawing, are usually employed.

I claim—

1. In combination with an oven or shelf, having the hooks *c*, a stove-pipe, provided with the movable concentric bands A B, separated by a narrow space, into which the said hooks are inserted, substantially as specified.

2. The stove-pipe oven herein described, having rails D, stay *z*, and perforated semicircular recess *a*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ROSWELL D. WILCOX.

Witnesses:

LEMUEL D. MORSE,  
P. J. DOUW.