

(No Model.)

F. E. HEINIG.
FLUE CAP FOR STOVE PIPES.

No. 255,783.

Patented Apr. 4, 1882.

Fig. 1.

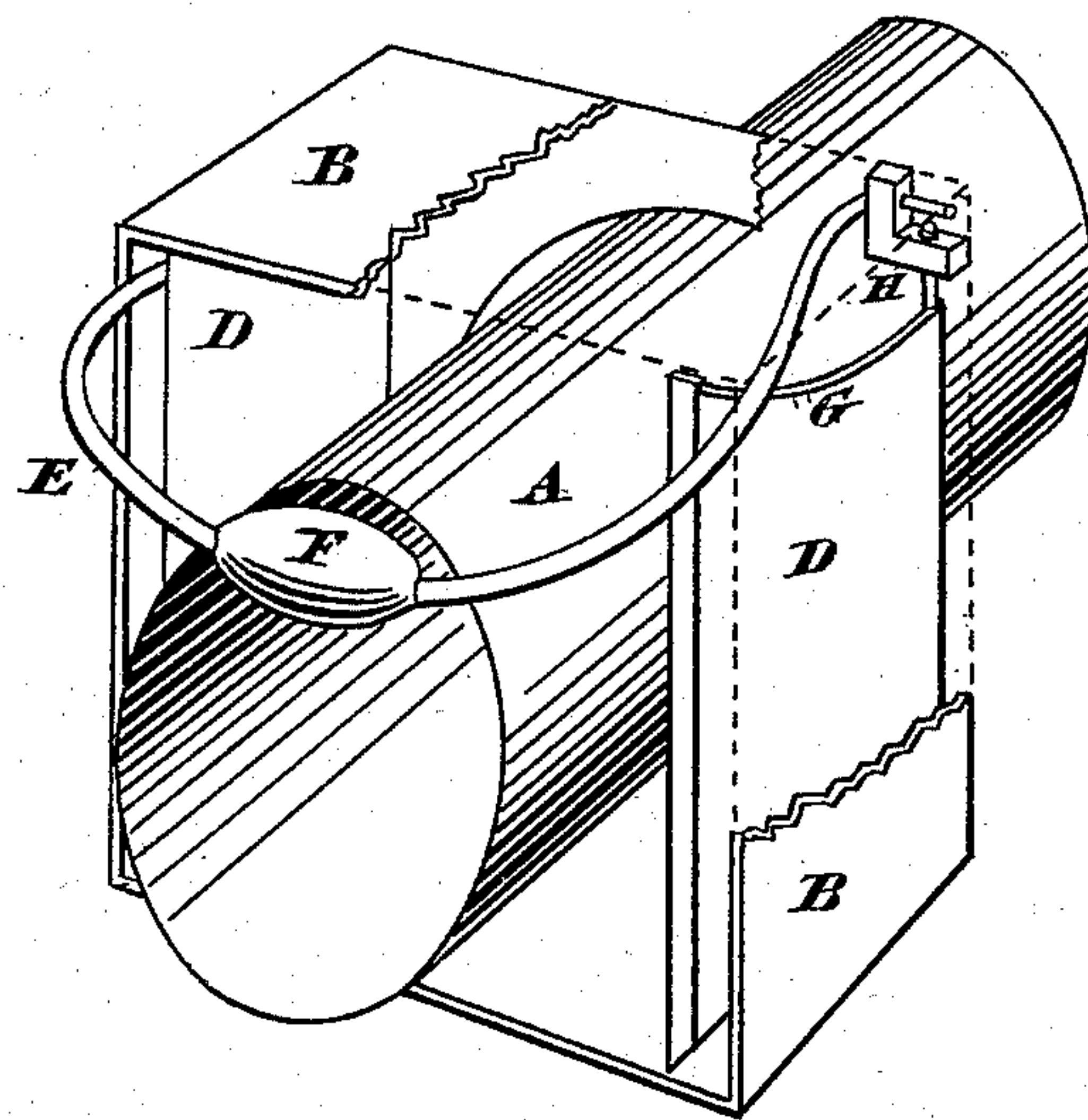


Fig. 2.

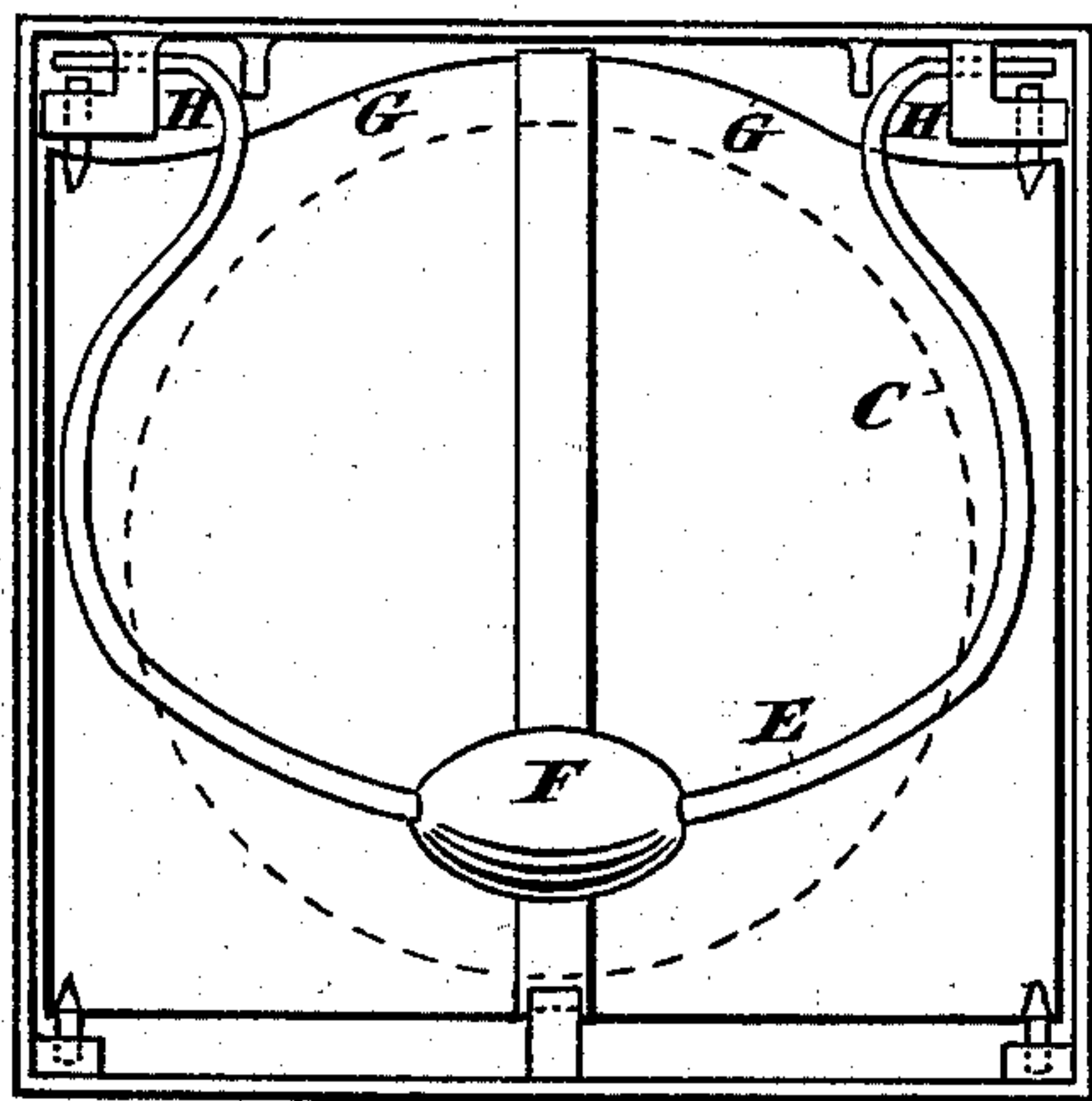
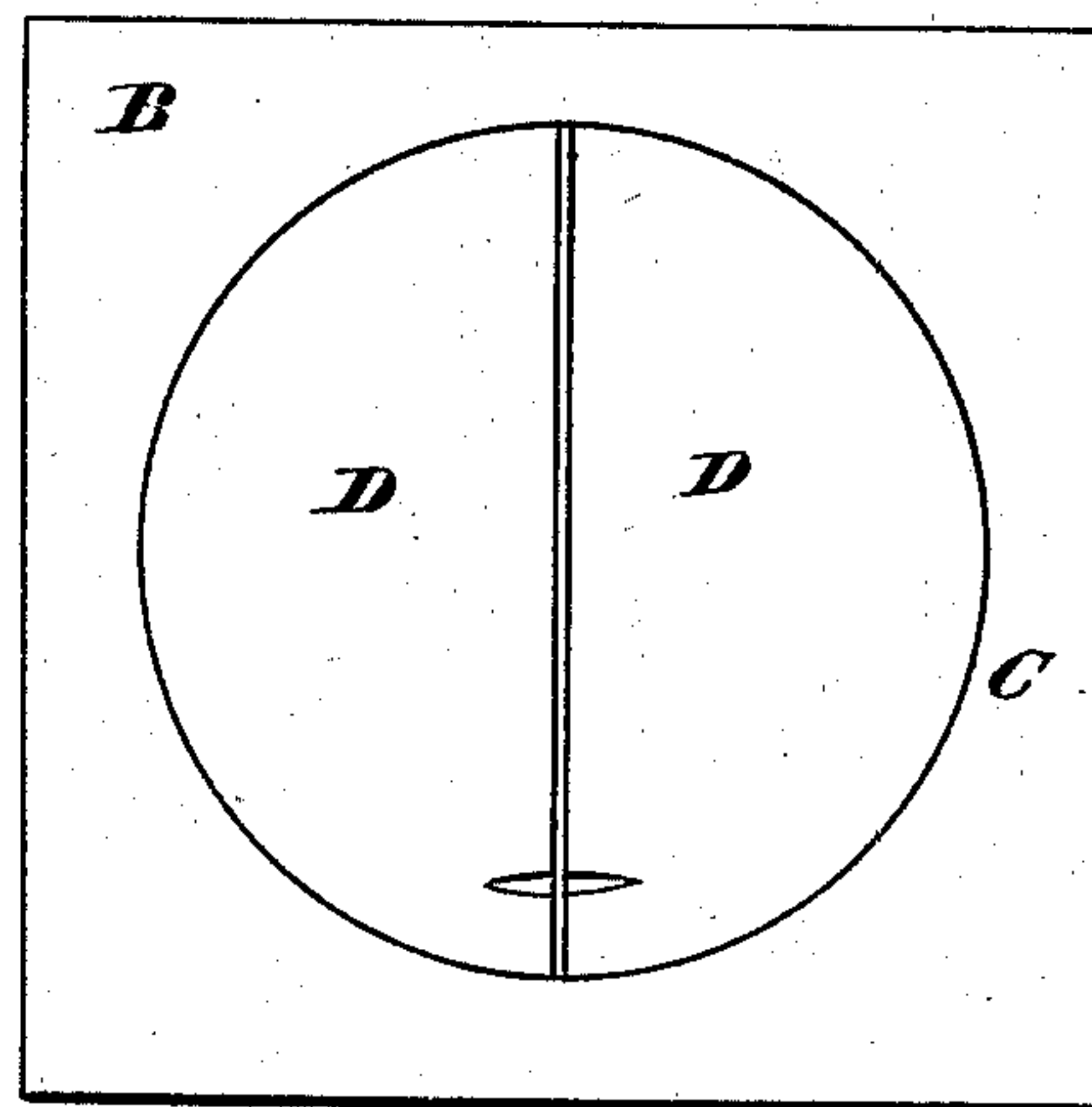


Fig. 3.



WITNESSES

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FREDERICK E. HEINIG, OF LOUISVILLE, KENTUCKY.

FLUE-CAP FOR STOVE-PIPES.

SPECIFICATION forming part of Letters Patent No. 255,783, dated April 4, 1882.

Application filed March 21, 1881. Renewed January 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK E. HEINIG, of the city of Louisville, in the county of Jefferson and State of Kentucky, have invented a certain new and useful Improvement in a Flue-Cap for Stove-Pipes; 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 accompanying drawings, forming part of this specification.

This my invention relates to a certain new and useful improvement in flue-caps for stove-pipes, consisting in a square frame or cap box, made plane in front with a flange on the back, and a pipe-hole in the center, which, when not in use, is closed by self-acting doors closing from the sides and hinged to the inside of the frame, these doors being beveled at the top, so as to form an inclined plane or edge, above which a heavy wire bail is hinged, sufficiently large to drop over said doors and rest upon their planed or upper inclined edges when the pipe is inserted. By means of a weight in its center the bail is pressed down over the doors, and thereby holds the pipe firmly by its gravitation, and also by means of the weight the bail drops down over the end of the pipe and prevents it from entering the opening too far. When the pipe is removed the doors close after it by the gravitation of the weight, and are secured in place by means of a catch or other suitable mechanism.

The object of this my invention is to provide a flue-cap for stove-pipes that will be cheap, durable, cleanly, and easily operated. By means of the self-acting doors and weighted bail the pipe is held firmly when inserted in the opening, and when removed the opening is closed after it, thereby preventing any dirt from falling out or soiling the room, all objectionable matter being pressed back by the doors in inserting the pipe.

I attain the above objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the pipe and

inner end of the cap, with part of the flange broken away in order to show the general arrangement of the doors and bail by which they are operated. Fig. 2 is a view of the back or flue end of the cap, showing the form of the doors and bail and the manner of hinging them to the cap. Fig. 3 is a view of the face of the cap, showing the pipe-opening and doors by which it is closed.

Similar letters refer to similar parts throughout the several views.

A represents the pipe, and B the cap, which is made of metal, square in form, with a flange on the back or flue side, and plane in front, with pipe opening C in the center, which, when not in use, is closed by the double doors D D, hinged on the inside of the cap, as shown in the drawings, and made to open to the side. These doors D are beveled, so as to form an inclined plane or edge, G, on their top ends, to answer as a means of closing them.

E is a heavy wire bail hinged in the corners of the cap above the doors by means of the lugs H, and is made sufficiently wide to drop over both doors when the pipe is inserted, so that it will rest on the upper part of the inclined planes G on the doors. By means of a small weight, F, on the bail E, the pipe is held firmly by the pressure from the sides caused by the bail acting upon the inclined plane of the doors. This bail E also prevents the pipe from entering beyond the required distance by dropping over its end as it enters.

Having thus fully described the nature and object of this my invention, what I claim as new, and desire to secure by Letters Patent in a self-acting flue-cap for stove-pipes, is—

The combination of the doors D D, bail E, with its weight F, and cap-frame B, as above described, when arranged, constructed, and operated substantially as herein described, and for the purpose set forth.

FREDERICK E. HEINIG.

Witnesses:

FRANK PARDON,
C. HEWITT.