

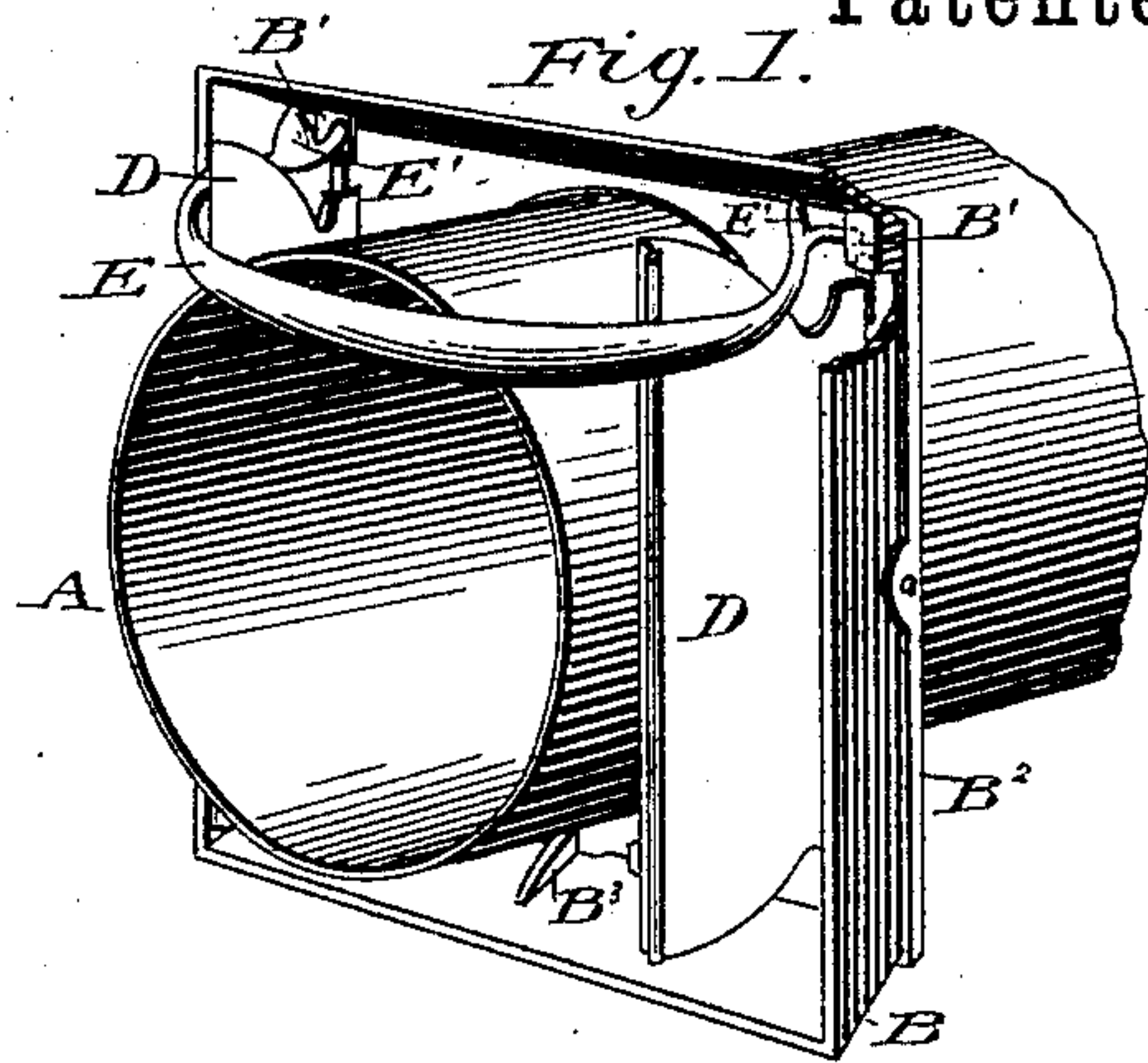
(No Model.)

F. E. HEINIG.

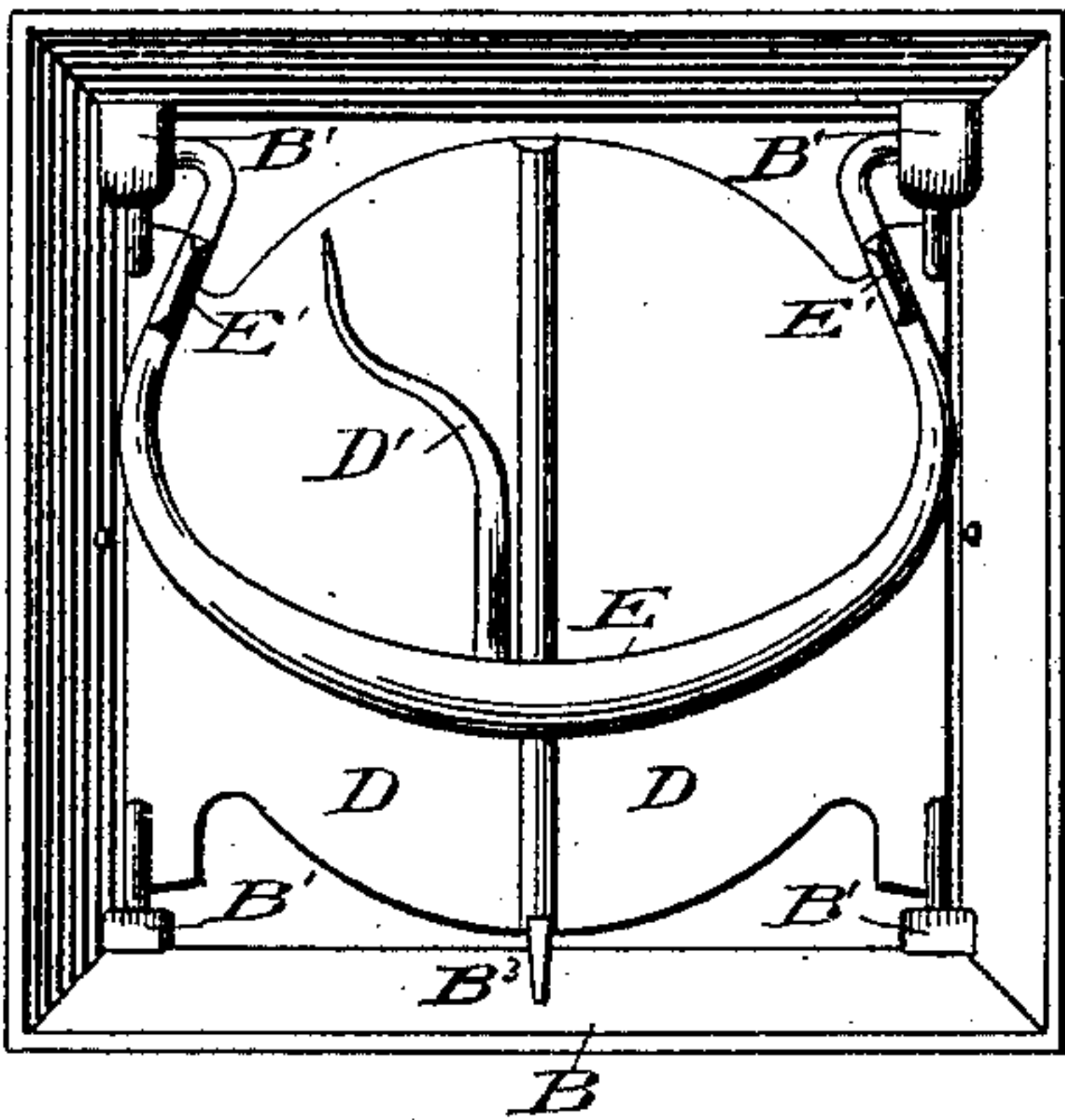
FLUE CAP.

No. 354,193.

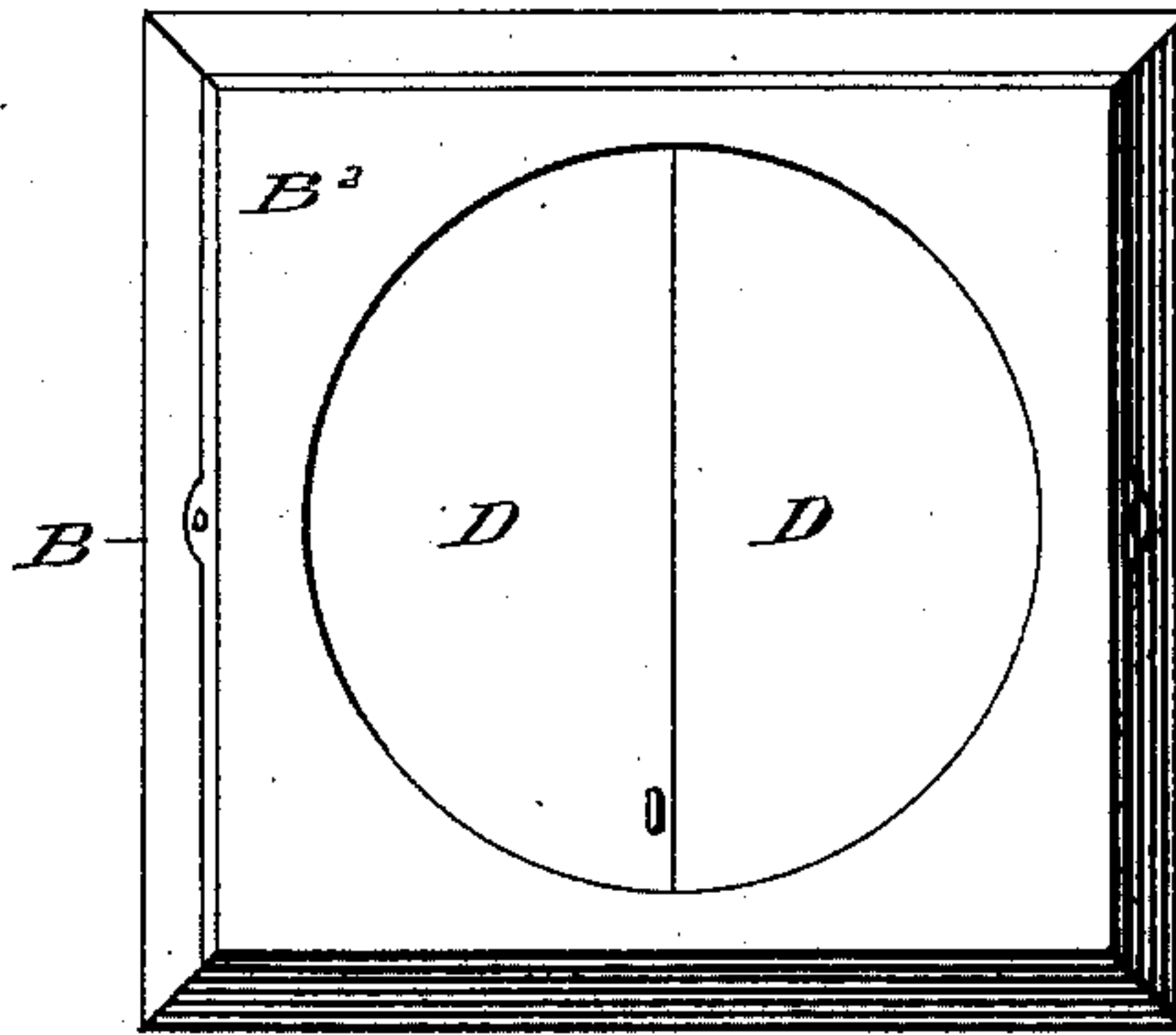
Patented Dec. 14, 1886.



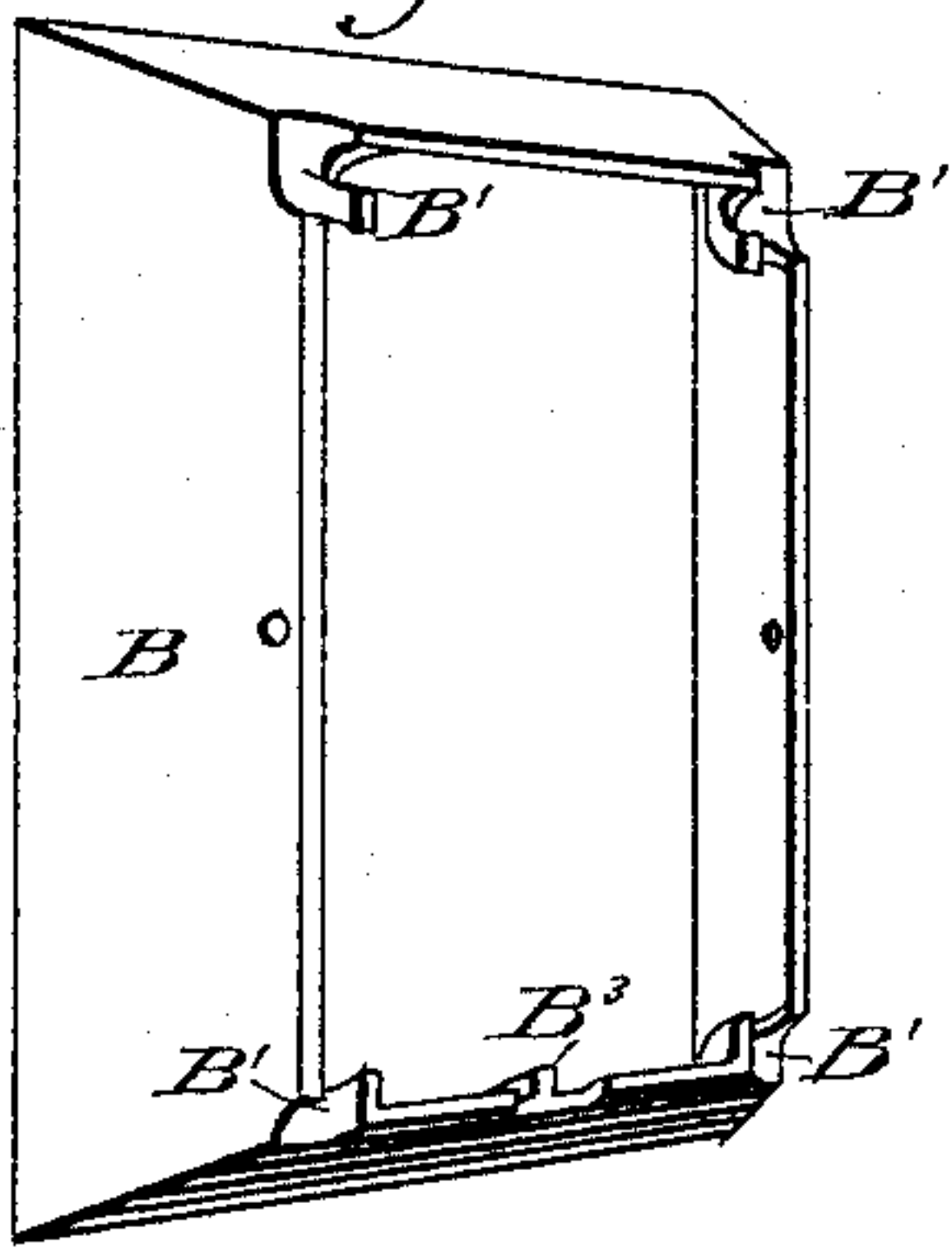
*Fig. 2.*



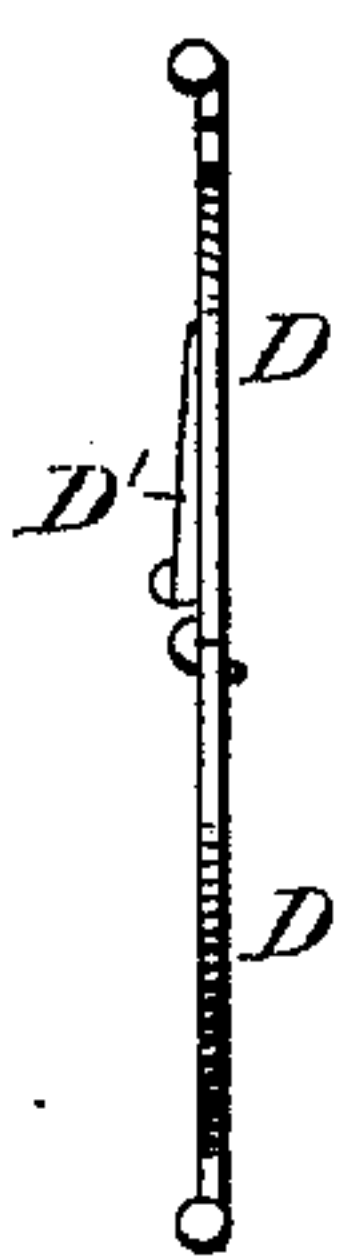
*Fig. 3.*



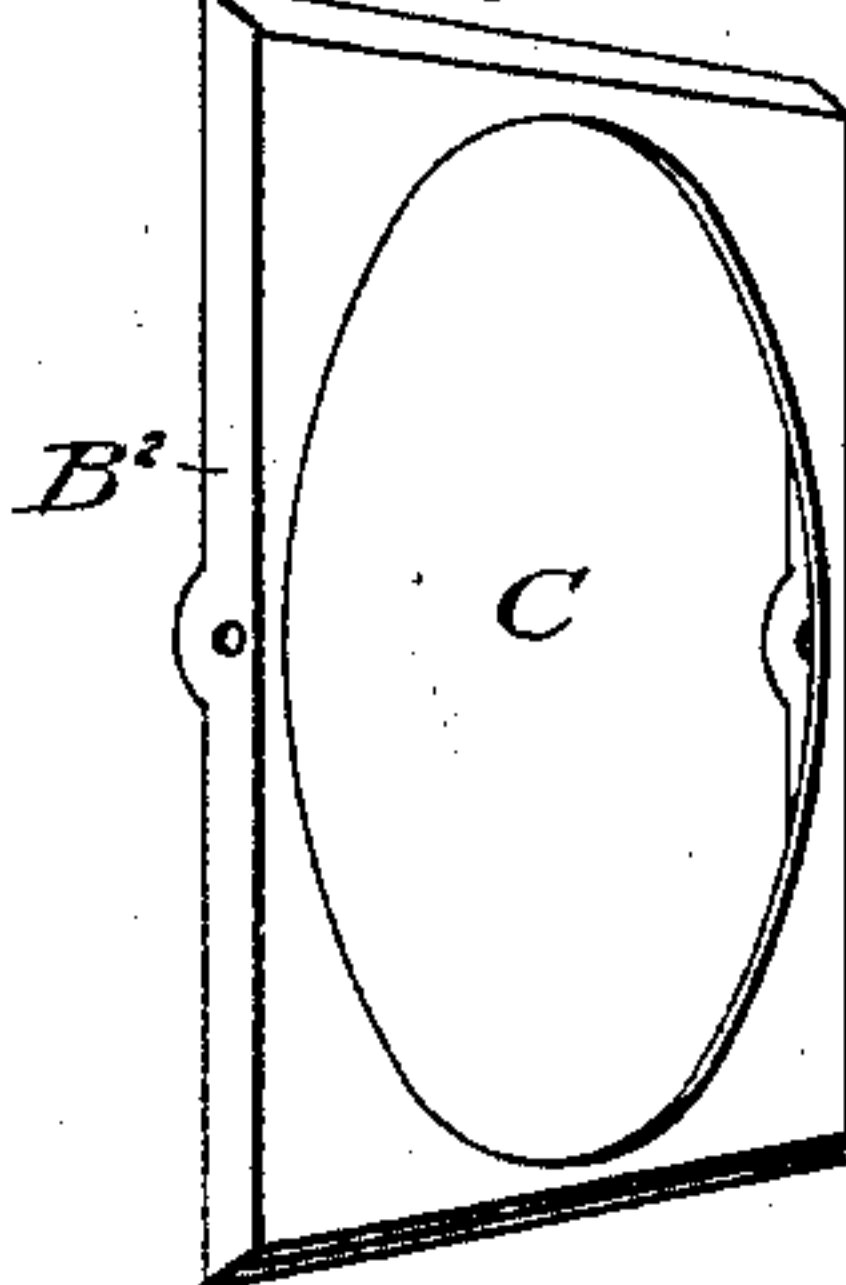
*Fig. 4.*



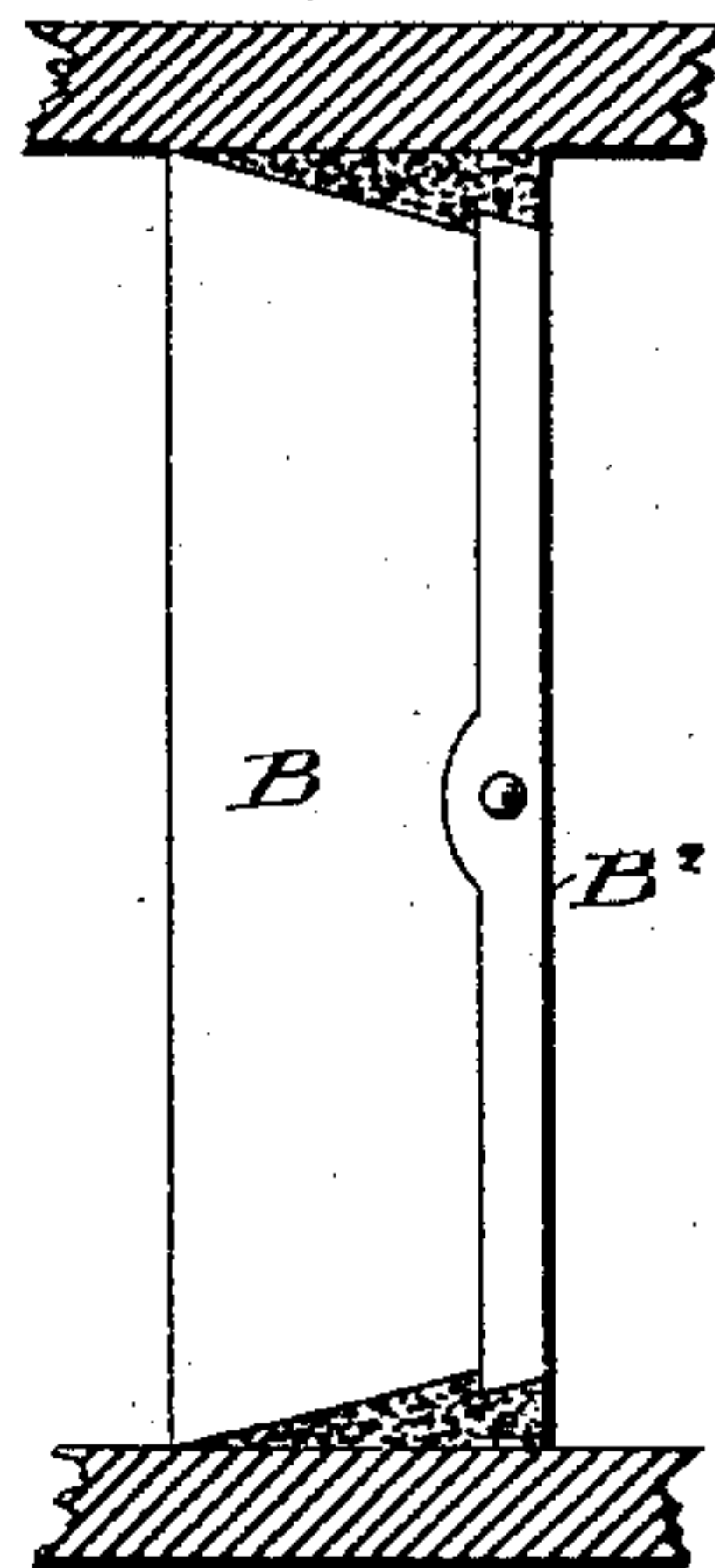
*Fig. 6.*



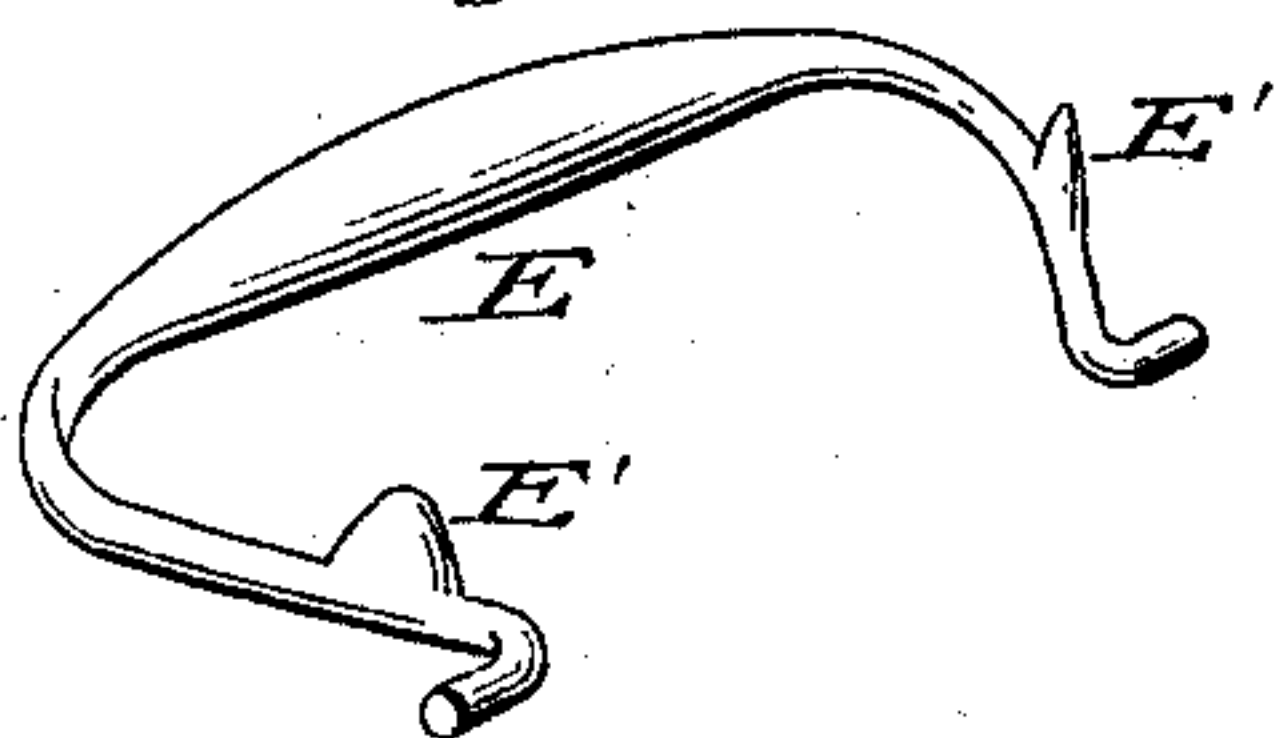
*Fig. 7.*



*Fig. 8.*



*Fig. 5.*



Witnesses:

A. White  
Arthur Rice

Inventor.

Frederick E. Heinig

# UNITED STATES PATENT OFFICE.

FREDERICK E. HEINIG, OF LOUISVILLE, KENTUCKY.

## FLUE-CAP.

SPECIFICATION forming part of Letters Patent No. 354,193, dated December 14, 1886.

Application filed March 6, 1885. Serial No. 158,110. (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 a new and useful Improvement in Flue-Caps for Stove-Pipes, of which the following is a specification, reference being had to the accompanying drawings and forming part of the same.

My invention relates to improvements upon the flue-cap heretofore patented to me, No. 255,783, to which reference is made for a more full description of parts shown herein, but which is not necessary to describe further than to explain the proposed modification applied thereto, which consists in an open frame and cover with sides of frame beveling in such a manner that proper bearings may be molded therein to allow the doors and bail to work in; also, that the doors and bail may be cast with such projections as will insure the closing of the doors by the gravitations of the bail when the stove-pipe is removed. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a rear perspective view of the flue-cap having part of the frame and cap cut away, showing the stove-pipe in position and its general construction. Fig. 2 is a rear view of the cap, showing the form and manner of hanging the doors and bail; Fig. 3, a front view of the cap with doors closed. Fig. 4 is a perspective view of the cap-frame, showing the door-catch and the bearings for door and bail. Fig. 5 is a perspective view of the bail with its projections. Fig. 6 is a top plan view of the doors, showing the raised piece on back of one and a lap on the other. Fig. 7 is a perspective view of frame-cover, showing lugs to fasten to frame and the pipe-opening. Fig. 8 is an elevation of the flue-cap as placed in the chimney.

Similar letters refer to similar parts throughout the several views.

A is the stove-pipe.

B is a flue-cap frame, made of suitable metal, shaped with beveled sides having bear-

ings B' on the inside corners suitable for the doors D D and bail E to hinge into, and a projection or catch, B<sup>3</sup>, used to hold the doors when closed.

B<sup>2</sup> is the cover for the frame, made with holes to receive the pipe A, and to hold securely the doors and the bail in their bearings.

D D are doors made to swing in the frame-bearings B', and having a raised piece on the back of one door that the bail E comes in contact with it and closes it in advance of the second door, which is made with a lap to make a tight joint when closed.

E is a bail made to swing in the bearing B' on frame B, and having projections E, which hold it in proper position when the stove-pipe is in place.

The construction and description of the flue-cap is as follows: The frame B is made square in form with sides either square or beveling toward the back, and having bearings in corners or other suitable places for the doors and bail to work in. The bail and doors are placed in their proper position, and the cap C is then fastened on by screws or rivets, which makes the flue-cap complete.

In putting the stove-pipe in the cap the doors are raised to pass the projecting catch, the pipe pushes open the doors, thus raising the bail, which can be elevated until the projections on the same come in contact with the frame, which leaves the bail in such position that it is impossible to push the end of the stove-pipe beyond it, thus securing ample room in the flue for proper draft. The bail at same time hugs the doors and thus clamps the stove-pipe. On the removal of the stove-pipe the weight of the bail, coming in contact with the door having a projection on the back, closes it first, then bringing the door with the lap after it, which is forced over the projection or catch on the bottom of the frame, thus holding the closed doors securely.

I do not confine my invention to any particular shape, as changes may be made in the form of the different parts and still embody my principle.



What I claim, and desire to secure by Letters Patent of the United States, is—

1. In a flue-cap, the combination, with the frame, of the cover, the bail having projections, and the doors, substantially as set forth.

2. The combination, in a flue-cap, of the frame B, cover C, and bail E, with doors D D,

one of which has a projection, D', the other lap D<sup>2</sup>, substantially as and for the purpose set forth.

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Witnesses:

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JOHN M. NURNUGER.