

.(No Model.)

W. McHose.

DUST CHUTE.

No. 374,197.

Patented Dec. 6, 1887.

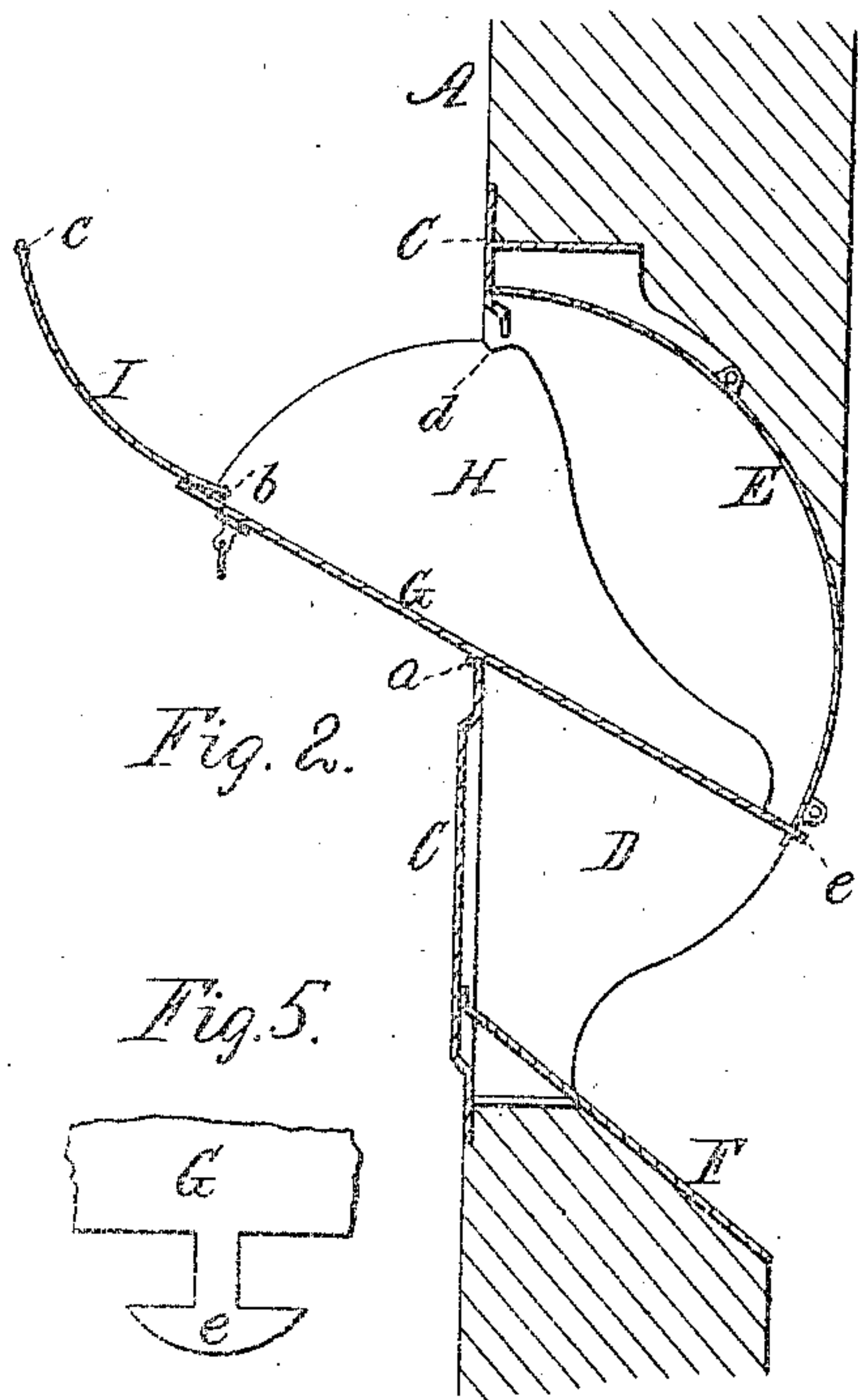


Fig. 2.

Fig. 5.

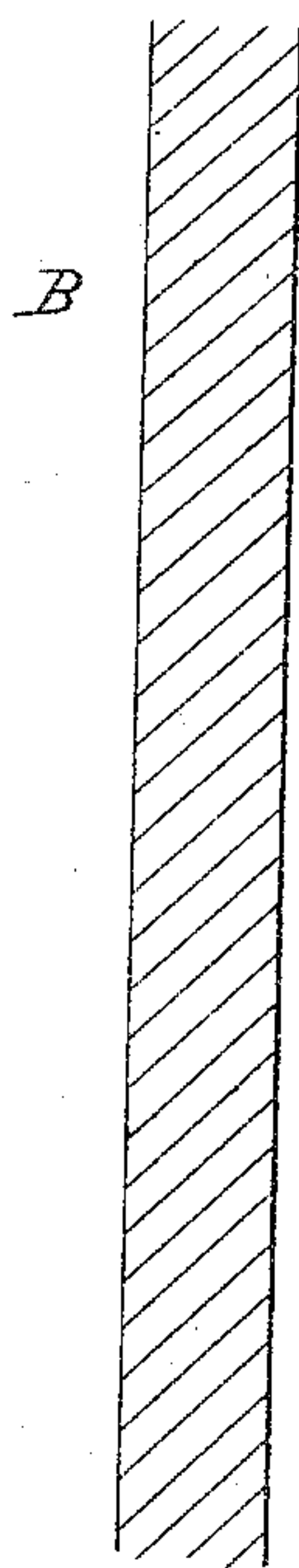
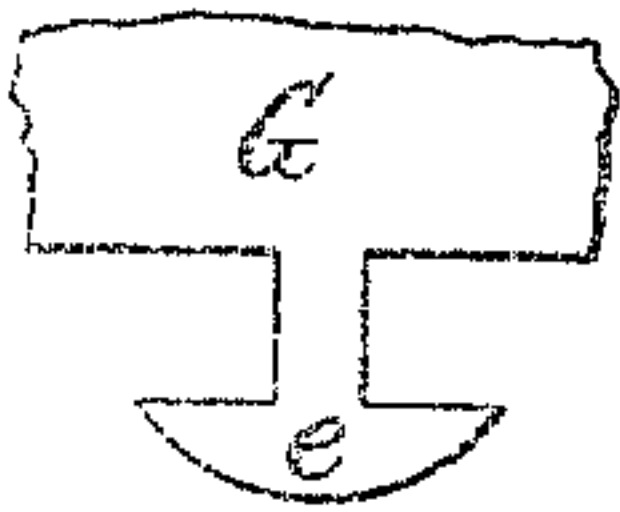


Fig. 3.

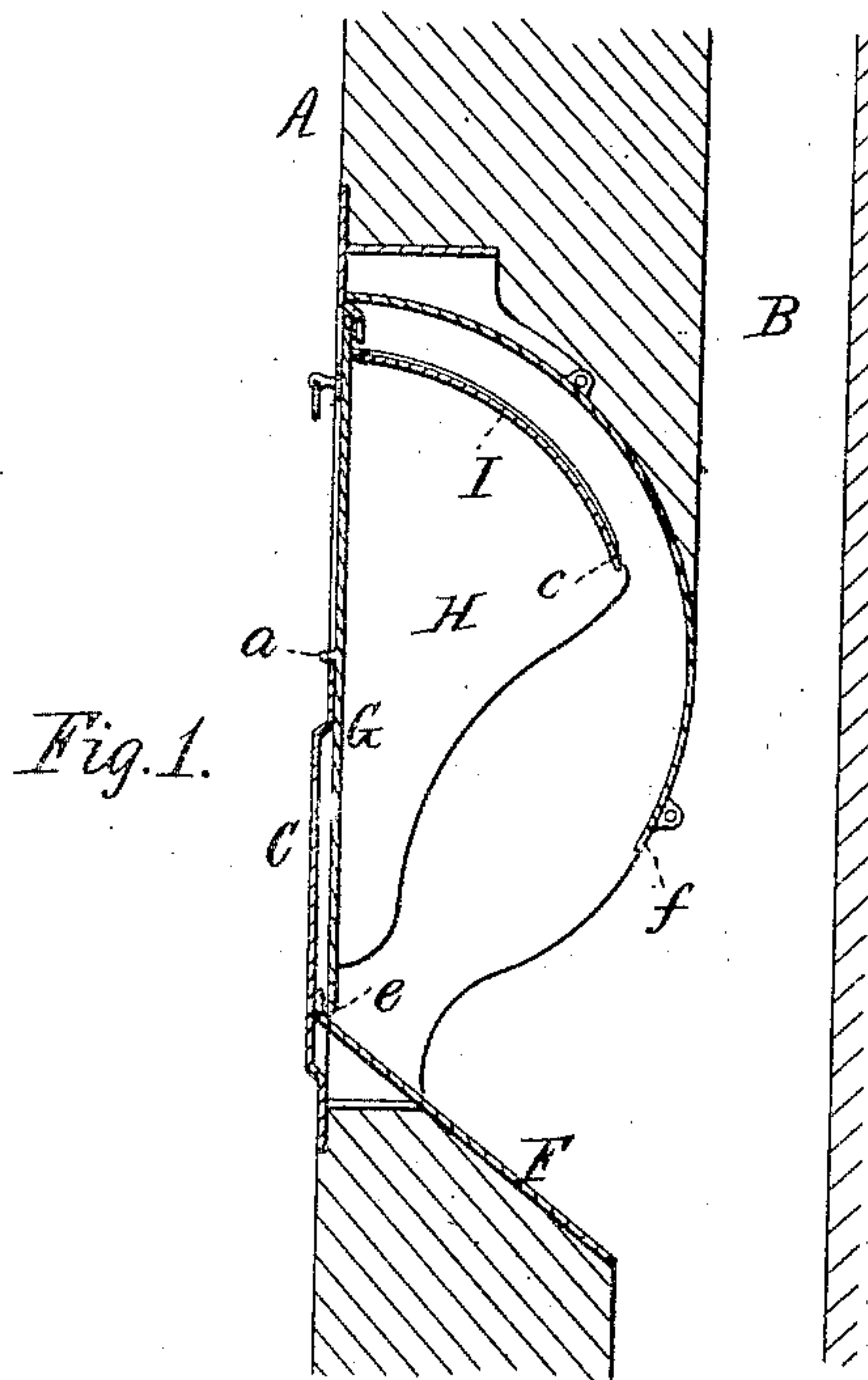
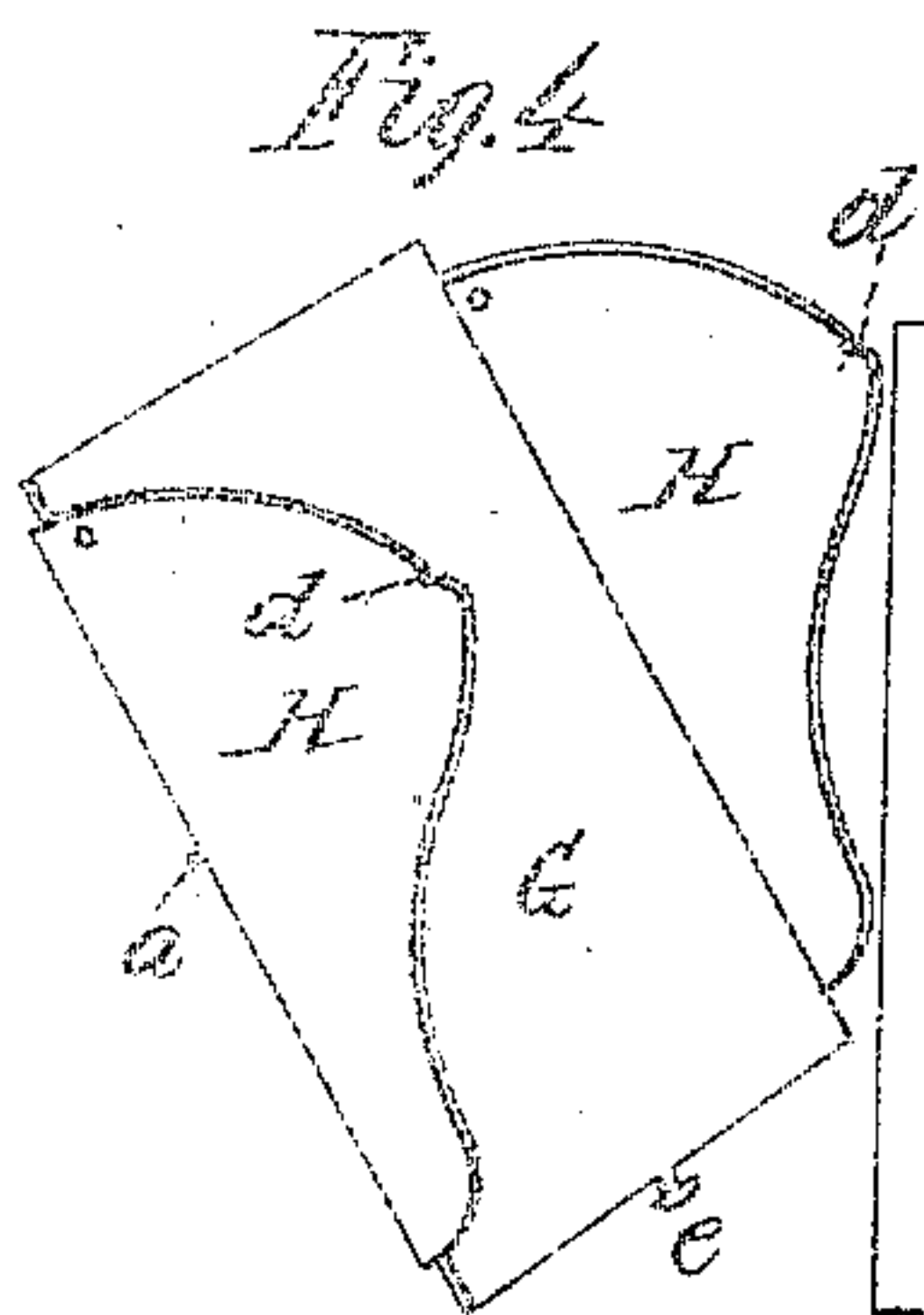


Fig. 1.



唐

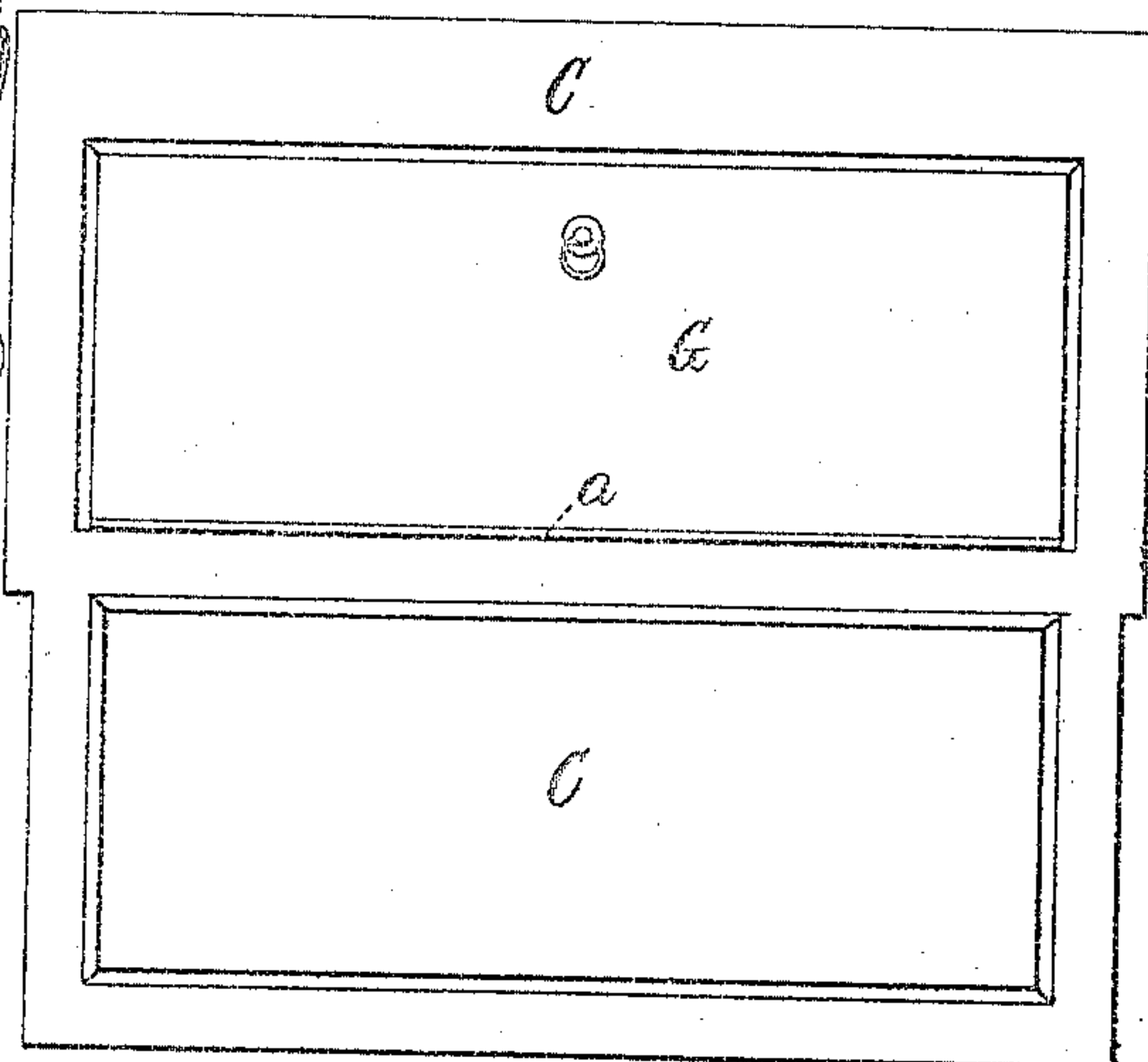
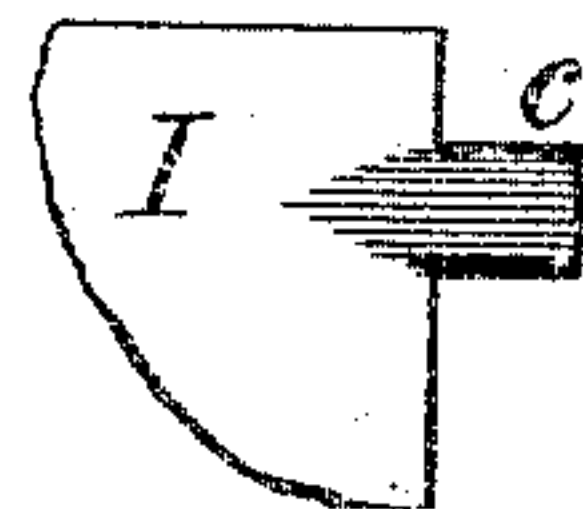


Fig. 6.



Witnesses:
W. C. Jirdinston.

Charles Bilton,

Inventor

William McKee

by *Park & Hector*
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM McHOSE, OF DAYTON, OHIO, ASSIGNOR OF ONE-HALF TO CALVIN
H. LYON, OF SAME PLACE.

DUST-CHUTE.

SPECIFICATION forming part of Letters Patent No. 374,197, dated December 6, 1887.

Application filed September 14, 1887. Serial No. 249,658. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM McHOSE, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Dust-Chutes for Buildings, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to improvements in dust-chutes for buildings where the walls are provided with chute-passages leading from the various rooms to the cellar; and it has for its object an improvement in the construction of the devices for receiving the dust or ashes and depositing them in the chute.

The novelty of my invention will be herein set forth, and specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a sectional view of a wall, showing the application of my improved dust-chute closed. Fig. 2 is a corresponding view showing the dust-chute open. Fig. 3 is a front view of the same closed. Fig. 4 is a perspective view of the swinging door. Figs. 5 and 6 are enlarged detail views, to be referred to in the specification.

The same letters of reference are used to indicate identical parts in all the figures.

In the walls A of the building are the chute-passages B, of the usual or any suitable construction, leading from the various rooms to the cellar. In each room there is the usual wall-opening leading into the passage B. Into each of these openings is fitted a casing composed of a front plate, C, side plates, D, curved back plate, E, and an inclined bottom plate, F. These may be cast integral, or may be bolted or otherwise secured together. The upper part of the front plate is provided with a rectangular opening, upon the lower end of which the chute-bucket rests and swings. This chute-bucket is composed of a flat plate, G, provided with a rib, a, which engages over the lower edge of the opening in the plate C and side plates, H.

As seen in Figs. 1 and 3, when pushed in so as to stand vertically, the upper part of the plate G constitutes a door, which fits snugly into and closes the opening in the plate C. Secured between the side plates, H, at or near the top edge of the plate G, as at b, is a swinging lid or cover, I, provided at its outer corners with lugs c, Figs. 4 and 6, which fit over and rest in notches d in the plates H. The bottom edge of the plate G is provided with a T-shaped lug, e, which, when the chute-bucket is open, as in Fig. 2, enters a slot, f, in the bottom of the back plate, E, and its head passes behind the plate to prevent the removal of the chute-bucket from its case.

In using the chute the bucket is swung out and the lid I opened, as seen in Fig. 2. In this position communication between the chute-passage B and the room is cut off by the lower part of the plate G, as shown. The dust or ashes are then deposited in the bucket, and the lid I is closed before swinging the bucket in. It will thus be seen that when the chute-bucket is open the plate G closes the opening into the chute-passage B and prevents any ashes or dust being blown out into the room, and that while the chute-bucket is being swung in the lid I closes the outside of the opening for the same purpose.

Having thus fully described my invention, I claim—

1. In a dust-chute such as described, the combination, with the casing fitted into the wall-opening communicating with the chute-passage, of the swinging chute-bucket hinged to the casing and provided at its upper end with a hinged lid, the parts being so constructed and arranged that when the bucket is swung out the inner side of the wall-opening is closed by the lower part of the bucket, and when the bucket is being swung in the hinged lid closes the outer side of said opening, substantially as and for the purpose described.

2. The combination, with the casing composed of the front plate, C, inclined bottom plate, F, back plate, E, and side plates, D, of

the hinged bucket fitted therein and composed of the plate G, sides H, and hinged lid I, substantially as and for the purpose described.

- 5 3. The back plate, E, having a slot, *f*, in its lower edge, in combination with the bucket-plate G, provided with the T-shaped lug *e*,

arranged to engage with the slot *f* when the bucket is swung open, substantially as and for the purpose described.

WILLIAM McHOSE.

Witnesses:

H. H. PRUGH,
WM. H. YOUNG.