

F. H. DOANE.
COVER FOR ASH CANS.
APPLICATION FILED JAN. 20, 1909.

918,295.

Patented Apr. 13, 1909.
2 SHEETS—SHEET 1.

Fig. 1.

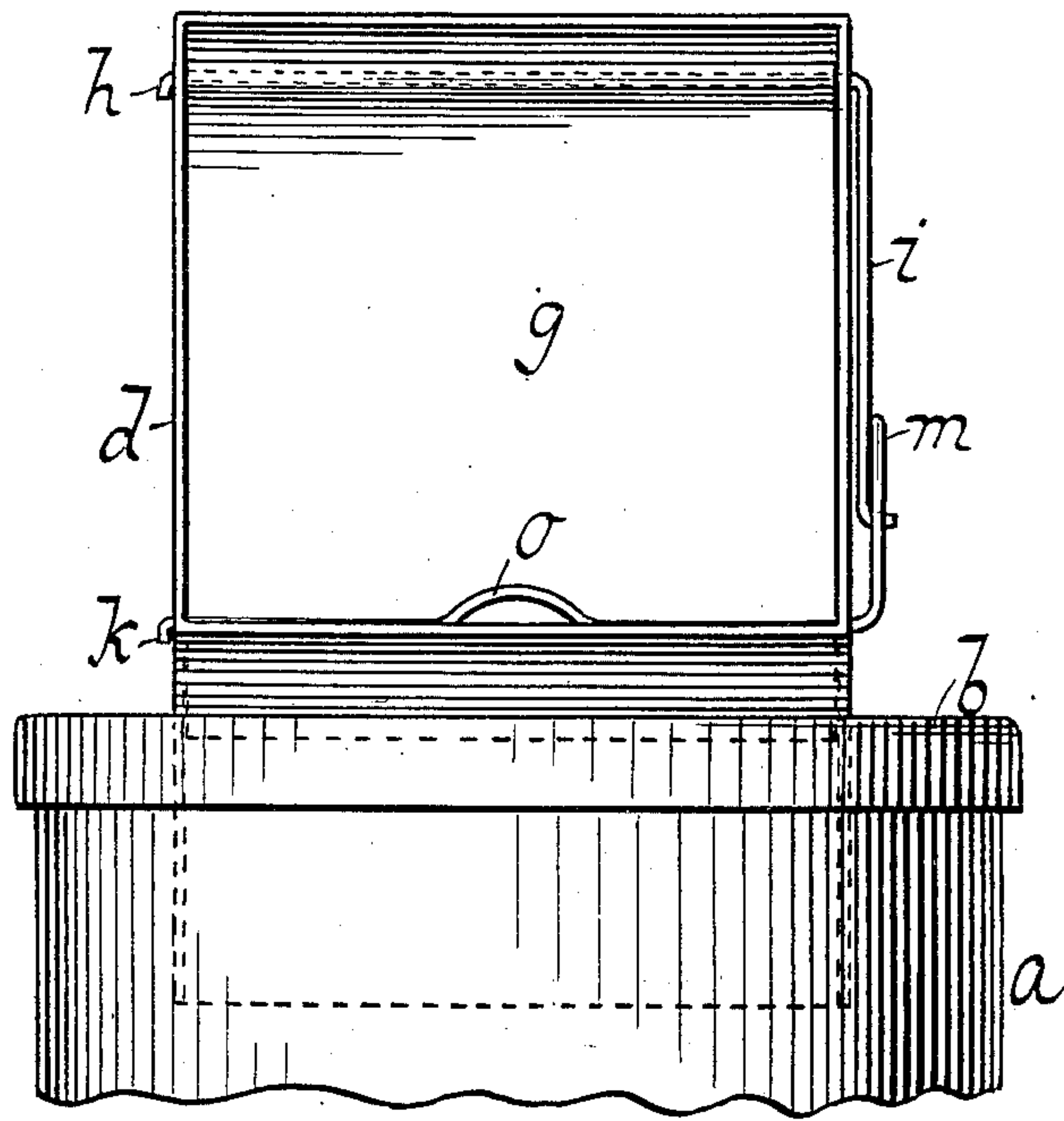
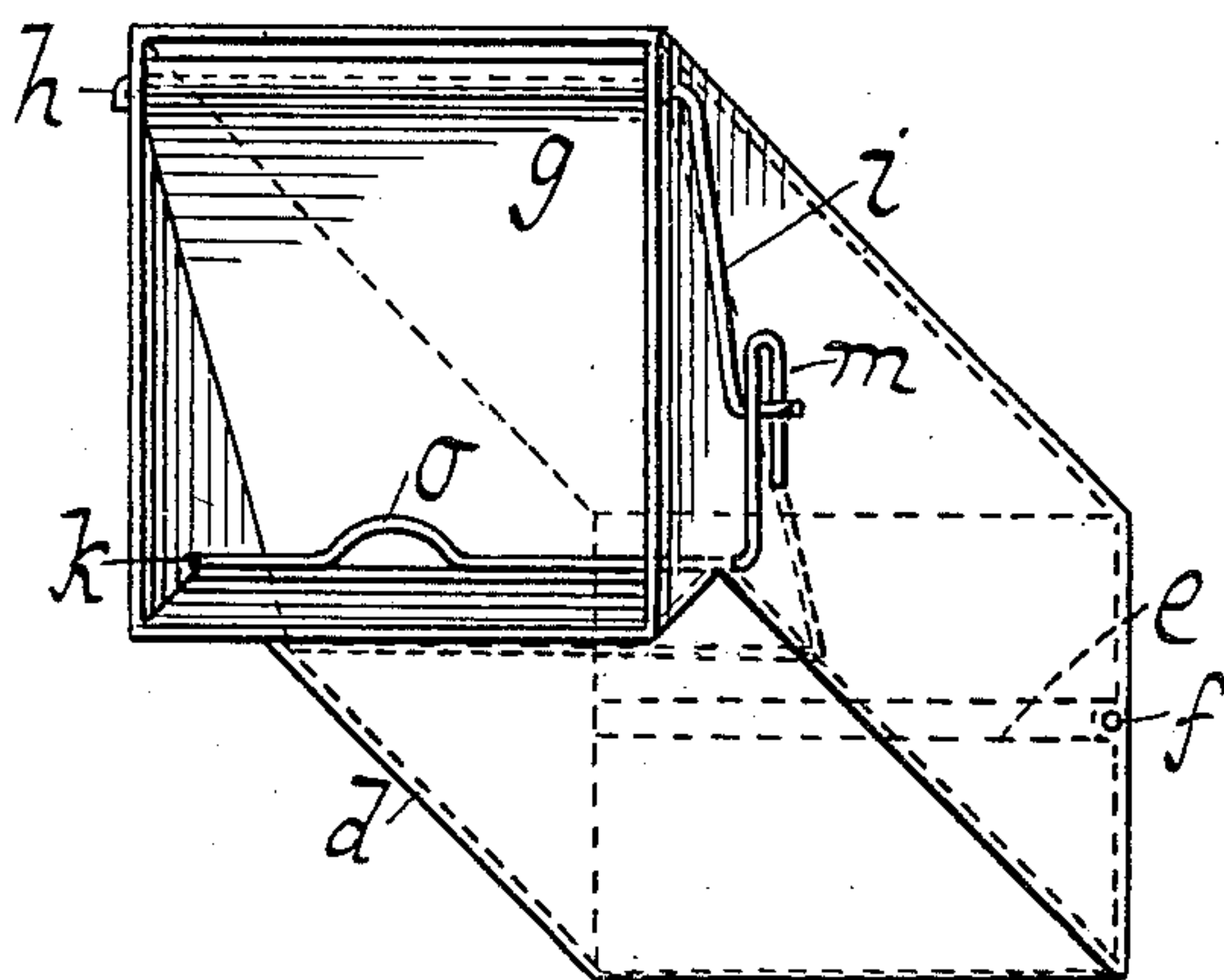


Fig. 2.



WITNESSES:

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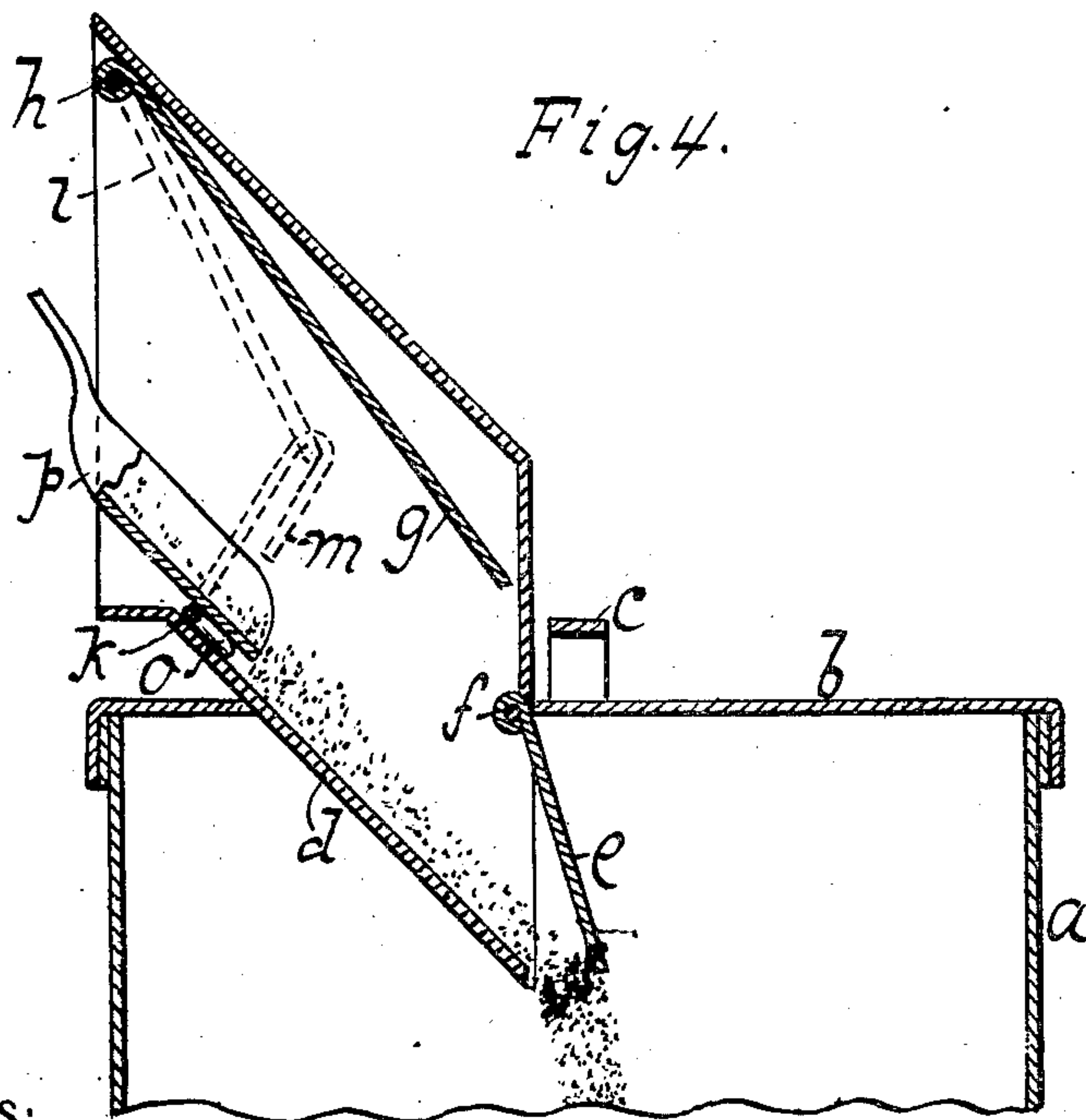
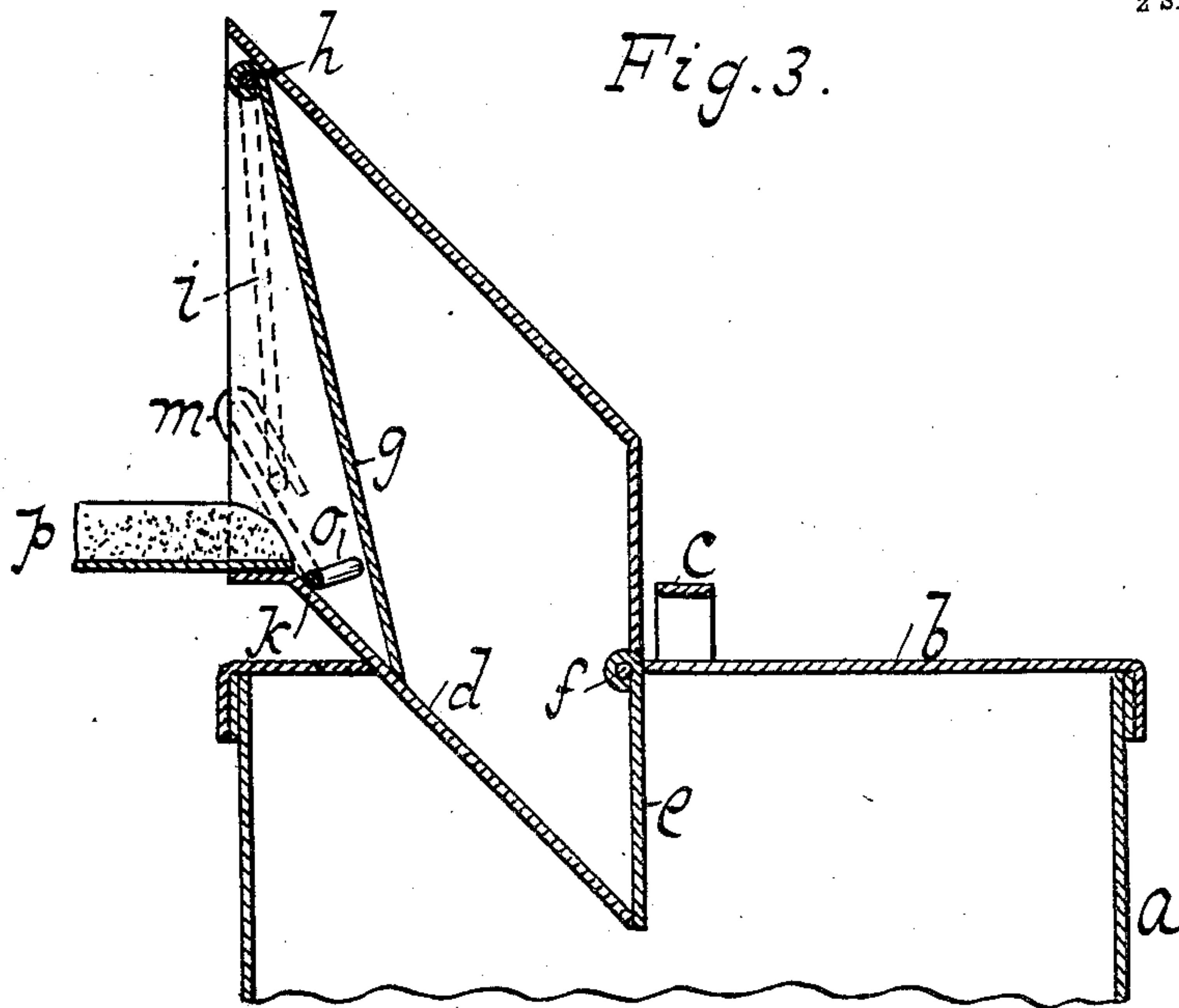
Harvey Warland
ATTORNEYS

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UNITED STATES PATENT OFFICE.

FRANCIS H. DOANE, OF SCRANTON, PENNSYLVANIA.

COVER FOR ASH-CANS.

No. 918,295.

Specification of Letters Patent.

Patented April 13, 1909.

Application filed January 20, 1909. Serial No. 473,347.

To all whom it may concern:

Be it known that I, FRANCIS H. DOANE, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented new and useful Improvements in Covers for Ash-Cans, of which the following is a specification.

This invention relates to a cover for ash barrels, cans and other receptacles, the object of which is to prevent the escape of dust or to confine the dust generated when dumping ashes and other dust generating material into a receiving barrel or receptacle.

The invention resides in the novel features of construction set forth in the following specification and claims and illustrated in the annexed drawings in which:—

Figure 1 shows a front elevation of a cover embodying this invention. Fig. 2 shows a perspective view of the chute and its mechanism applied to the said cover. Fig. 3 is a sectional elevation of the cover and chute the doors being closed. Fig. 4 is a view like Fig. 3 the doors of the chute being open.

In this drawing the letter *a* indicates a barrel or receptacle and *b* is the cover having a handle *c*. The cover is provided with a chute *d* suitably inclined and with gravity closing or automatic door *e* applied by a hinge to the chute at *f*. In advance of the door *e* is another gravity or self closing door *g* hinged at *h* and provided with a link or arm *i*. To the bottom part of the chute is pivoted a hinge or fulcrum part *k* of a lever mechanism one arm of which is shown at *m* having a sliding engagement with the arm or link *i*. In this fulcrum *k* or in the wire forming the fulcrum is a loop or dent *o* which when the door *g* is shut as shown in Fig. 3 projects into the path of a shovel or container carrying the ashes to be dumped into a barrel. When the shovel *p* is introduced into the chute it contacts with lever arm *o* so as to swing the arms *m* and *i* to carry the door *g* to open position. The ashes being then emptied into the chute *d* will by their weight press open the door *e* and pass into the barrel or receptacle.

What I claim is:

1. A cover for ash cans and the like comprising an inclined chute with a gravity closing door, a second gravity closing door placed in advance of the first door and provided with a link, a lever fulcrumed to the bottom part of the chute provided with an arm engaging said link and a second arm placed in advance of a container made to introduce ashes into said chute.

2. A cover for ash cans and the like comprising an inclined chute with a gravity closing door a second gravity closing door placed in advance of the first mentioned door and hinged to the upper part of said chute a link extended from said second door a lever fulcrumed to the bottom part of the chute and having an arm made to engage said link, the fulcrum part of said lever having an arm portion placed in the path of a shovel made to introduce ashes into said chute.

3. A cover for ash cans and the like comprising an inclined chute with a gravity closing door at its out-let portion another gravity closing door at its in-let portion and provided with a link and a lever made to engage the link and having its fulcrum portion formed of a wire with a bent portion forming an arm made to extend into the path of a shovel or the like made to introduce ashes into the chute.

4. A cover for ash cans and the like comprising a chute with one or more self closing doors, a lever in the chute in the path of the receptacle containing the material introduced therein and a link connection between said lever and one of the doors, said link being made to open the door as the lever is actuated by the receptacle containing the introduced material.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

FRANCIS H. DOANE.

Witnesses:

WILLIAM E. RANSAN,
BLAIR V. BENSON.