

Oct. 25, 1927.

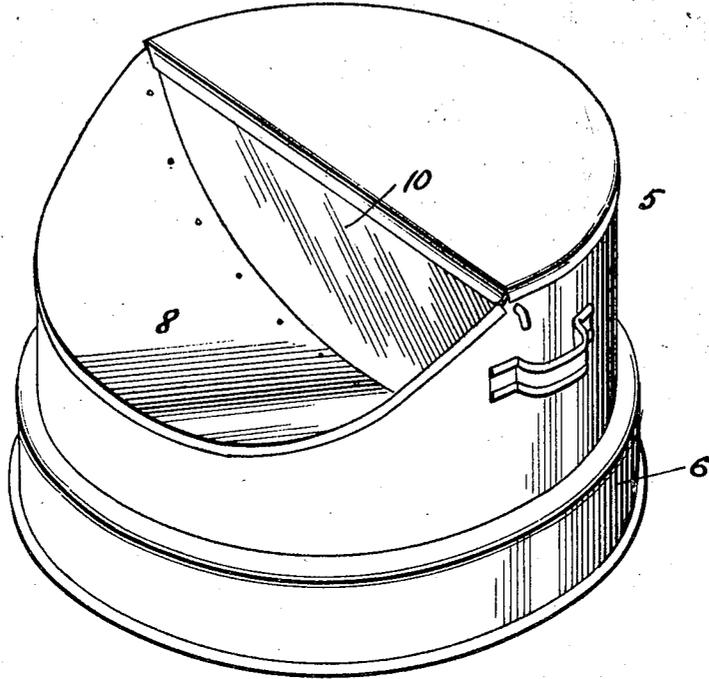
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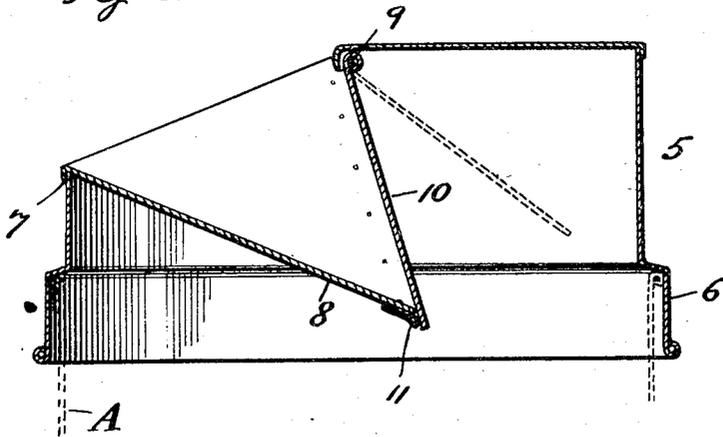
ASH CAN COVER

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*Fig. 1.*



*Fig. 2.*



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# UNITED STATES PATENT OFFICE.

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## ASH-CAN COVER.

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This invention relates to covers for ash cans and has for its principal object to provide a cover that is so constructed as to permit the ashes to be disposed within the can without removing the cover therefrom and at the same time preventing the dust from the ashes escaping from the can.

An additional object of the invention is to provide a cover that is equipped with a hinged door normally closed by gravity in order to permit the ashes to pass into the can, the weight of the same forcibly moving the door to open position while as soon as the ashes have passed to the can the door will automatically move to closed position for accomplishing the above mentioned result.

A still further object is to provide an ash can cover of this character that is extremely simple of construction and that may be manufactured and marketed at a cost but slightly greater than the ordinary types of covers now generally used.

Other objects will become apparent as the nature of the invention will be better understood, the same comprising a novel form of cover hereinafter more fully described, shown in the accompanying drawings and claimed.

In the drawing wherein like reference characters indicate corresponding parts in both of the views:—

Figure 1 is a perspective of an ash can cover constructed in accordance with the present invention, and

Figure 2 is a detail transverse section thereof.

Now having particular reference to the drawing the cover 5 is of circular shape and preferably of sheet metal that is closed at its top side and open at its lower side and at which lower side the same is formed with an outwardly offset wing 6 to permit the slipping engagement of the top upon the open upper end of the ash can disclosed by the dotted line in Figure 2 and designated A.

A can top constructed in accordance with the present invention is of relatively greater depth than the conventional type of ash can tops and when arranged upon the can as disclosed in Figure 2 the top wall thereof is in position considerably above the upper open end of the can. The said top wall is formed throughout substantially one-half its area with an opening 7, the edge of which declines toward the front side of the top as

clearly disclosed in both of the figures. Arranged within this opening is a sheet metal plate 8 that is formed in an inclined manner the same extending downwardly to the top the inner edge thereof terminating under the top wall of the lid for thus providing a chute for receiving the ashes and for causing the same to fall downwardly into the can A when a lid is applied thereto. Preferably the outer edge of said plate 8 is attached to the edge of the opening 7 by bending the same thereover and then welding, soldering or otherwise permanently attaching the plate to the lid.

Hingedly secured to the edge of the top wall of the lid above the chute as at 9 is a freely swinging door 10, the lower edge of which is similar in shape to the shape of the inner edge of the chute plate, the same being of a width as to extend beneath the edge of the chute plate when said door is closed which is the normal position of the same as per the full line in Figure 2, said door automatically opening by the weight of the ashes striking thereagainst for permitting the same to pass beyond the chute and enter the ash can. However, after the ashes have passed beyond the chute the door will automatically close for preventing the escape of the dust from the can.

The inner edge of the chute plate 8 may be and preferably is equipped at its underside with a packing strip 11 to provide a dust proof joint between the chute and said door.

It will thus be seen that I have provided a highly novel, simple and efficient form of lid for ash cans that is well adapted for all of the purposes as heretofore designated, and even though I have herein shown and described a preferred embodiment of the invention it is nevertheless to be understood that minor changes may be made without effecting the spirit and scope of the appended claim.

Having thus described my invention, what I claim as new is:—

In an ash can lid of the class described a circular body of relatively great depth, closed at its top and open at its bottom, the lower portion of the circular body being flanged for slipping engagement upon the top of an ash can, the upper edge of the can engaging the shoulder formed at the juncture of the flange with the circular body so that the top of the circular body is disposed considerably above the open top of the ash

can, said circular body having its top and side cut away at the front portion thereof to provide an opening that extends from the center of the top wall to the front side wall at a point above the flanged portion of the circular body, the side wall that is cut away increasing gradually in height from the front side of the lid to the center thereof, an inclined chute arranged within the opening and projecting into the body of the lid, the outer edge of the chute being bent over the curved edge of the cut out portion, the inner edge of the chute terminating at a point above the lower edge of the circular body, and a door hingedly secured at its upper edge to the under side of the top adjacent the edge portion of said cut out portion, said door being adapted for normal engagement against the inner edge of the chute for closing the inner end thereof, the door being adapted to be swung away from the inner edge of the chute by the weight of the ashes discharged into the chute to permit the ashes to drop into the ash can.

In testimony whereof I affix my signature.  
LAURA GEORGINE McCONNELL.