May 6, 1930. M. ROSNER 1,757,740

ASH CAN COVER

Filed May 12, 1928

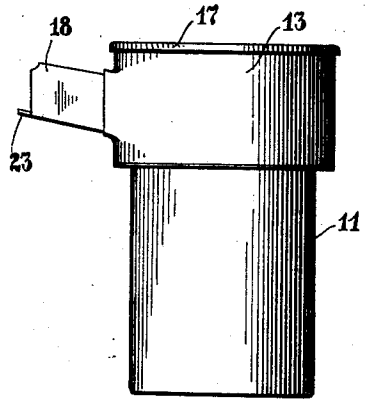

Fig. 1.

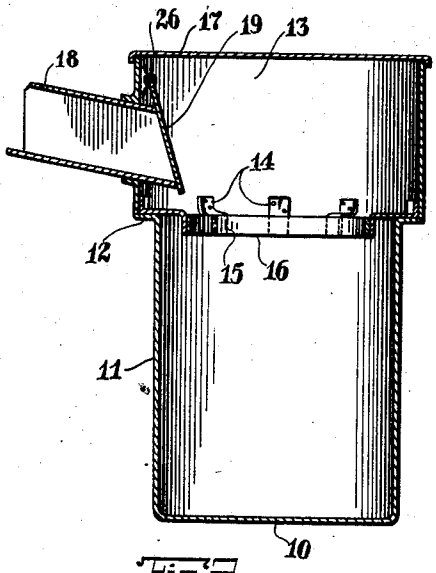

Fig. 2.

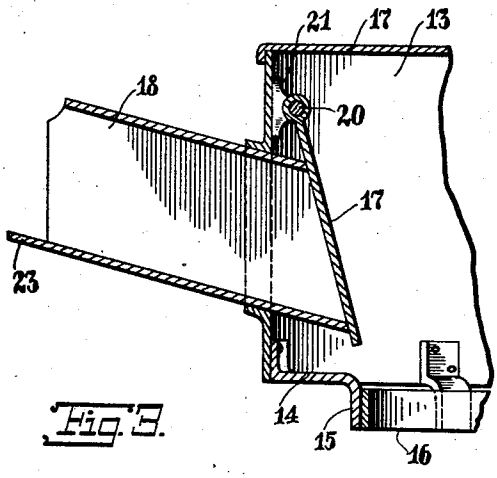

Fig. 3.

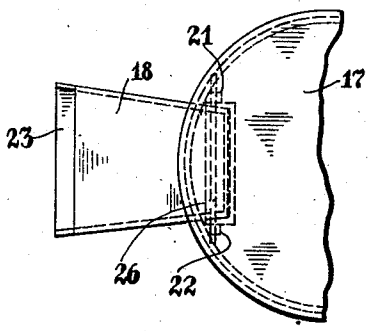

Fig. 4.

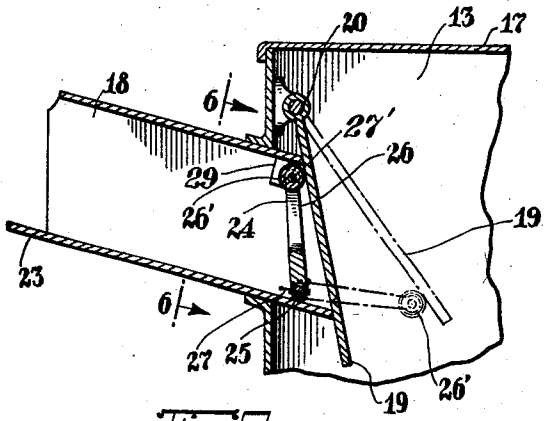

Fig. 5.

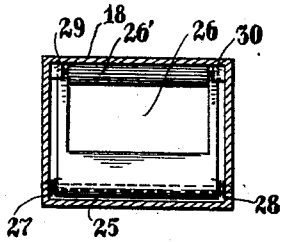

Fig. 6.

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UNITED STATES PATENT OFFICE

MAX ROSNER, OF NEW YORK, N. Y.

ASH-CAN COVER

Application filed May 12, 1928. Serial No. 277,187.

This invention relates to a new and useful device in the nature of an improved cover for ash cans such as usually employed for a depository for ashes from a furnace, stove or the like.

The object of the invention is to provide an ash can cover so constructed as to permit ashes to be placed therein without causing the usual dust which accompanies such procedure.

Another object of the invention is to provide an ash can cover of novel construction and arrangement of parts hereinafter more fully described, claimed and illustrated in the accompanying drawing.

Fig. 1 is a side elevational view of an ash can showing my improved cover attached thereto.

Fig. 2 is an enlarged transverse central sectional view thereof.

Fig. 3 is a fragmentary transverse central sectional view of my improved cover.

Fig. 4 is a fragmentary top plan view thereof.

Fig. 5 is a similar view to that shown in Fig. 3, illustrating a further development of my improved cover.

Fig. 6 is a vertical sectional view taken on the line 6—6 of Fig. 5.

In Figs. 1 and 2 of the accompanying drawing, I have shown the usual ash can, or receptacle comprising a base 10, or bottom of circular disc shape construction and sides 11, preferably flanged outwardly as at 12 at the upper extremity or edge thereof. The above described construction is that of the usual, conventional receptacle such as ordinarily used to hold ashes from a furnace, stove or the like.

As here embodied my improved cover comprises a body member 13, of circular, band like construction. A plurality of brackets 14, are secured to the lower inner edge of the body member 13, and are formed or bent inwardly and have their inwardly formed extremities bent downwardly as at 15. A reinforcing member 16, of circular band like construction, is secured to the inwardly formed extremities 15 of the said brackets.

The above described construction is such as will permit my improved cover to be readily placed over the above mentioned and described ash can, and supported by the brackets 14 when engaging or resting on the outwardly flanged edges 12 of the said ash can.

The body member 13 has secured thereto at the upper edge thereof a circular disc member 17, adapted to enclose or cover the said body member.

An inlet member 18 of hollow rectangular transverse section, is positioned in a suitable opening formed in the body member 13, and is angularly upwardly extended therefrom, and extends somewhat inwardly therefrom. A cover 19, is hinged as at 20, on a rod, at its upper edge, carried in the brackets 21 and 22 secured to the body member 13. The latter described construction is such as will permit the cover 19 to normally close or cover the inlet member 18, so as to preven the escape of dust from the ashes placed in the ash can through the inlet member 18. The inlet member 18 is provided with a lower extended edge 23, which extends somewhat beyond the main portion of the inlet member, so as to facilitate the shoveling of the ashes into the inlet member. It is also understood that the inlet member is extended, as above set forth into the body member 13, so as to convey the ashes placed therein beyond the reinforcing member 16, into the ash can.

In Figs. 5 and 6 of the accompanying drawing, I have shown an engaging member 24, hinged as at 25 at its lower edge by a rod, secured intermediately to the inlet member 18 at the lower portion thereof. The engaging member 24 has formed therein an opening 26, at its outer extended free extremity. A roller 26′ having a corrugated surface is rotatively mounted on the pin 27′ carried in the extended extremities of the engaging member 24. A pair of tension springs 27 and 28 are wound on the pin 25 as a means of normally holding the engaging member 24 in engagement with the stop elements 29 and 30 of the inlet member 18.

The above described construction is such as will permit the ashes shoveled into the

inlet member 18 to hinge downwardly the engaging member 24, which engages or strikes the above mentioned cover, hinging the said cover outwardly and permitting the ashes to fall through the opening 26 into the ash can. The roller 26′ counteracting with the door member as a means of preventing an accumulation of ashes thereon. The portion of the engaging member 24 between the opening 26 and the hinged end acts to protect the lower edge of the inlet member 18 near the inner end of the inlet member. This is of extreme importance in that the said protected lower edge remains smooth for coacting with the cover 19 in preventing the passage of odors from the interior of an ash can when the cover is in a closed position.

While I have shown and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to the use of this device on garbage cans and all other similar articles where it is necessary to use sanitary trap doors and to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention what I claim as new and desire to protect by Letters Patent of the United States is as follows:

1. An ash can cover, comprising a body member, an inlet member extended thru the side of the body member, a cover hinged on the inner side of the body member and closing the inner end of the inlet member, an engaging member hingedly mounted on the lower portion of the inlet member and extending transversely in the inlet member, and having an open portion, a roller mounted on the free edge of the engaging member, springs urging the engaging member into the said transverse position, and said engaging member being pivotable to a substantially horizontal position, in which position it acts against the door for holding it in opened position, and covers the inner lower edge of the inlet member.

2. An ash can cover, comprising a body member, an inlet member extended thru the side of the body member, a cover hinged on the inner side of the body member and closing the inner end of the inlet member, an engaging member hingedly mounted on the lower portion of the inlet member and extending transversely in the inlet member, and having an open portion, a roller mounted on the free edge of the engaging member, means for urging the engaging member into the said transverse position, and said engaging member being pivotable to a substantially horizontal position, in which position it acts against the door for holding it in opened position, and covers the inner lower edge of the inlet member.

3. An ash can cover, comprising a body member, an inlet member extended thru the side of the body member, a cover hinged on the inner side of the body member and closing the inner end of the inlet member, an engaging member hingedly mounted on the lower portion of the inlet member and extending transversely in the inlet member, and having an open portion, a roller mounted on the free edge of the engaging member, springs urging the engaging member into the said transverse position, stops limiting the motion of the engaging member, and said engaging member being pivotable to a substantially horizontal position, in which position it acts against the door for holding it in opened position, and covers the inner lower edge of the inlet member.

In testimony whereof I have affixed my signature.

MAX ROSNER.