A. F. LUYTIES.

COVER FOR REFUSE CANS.

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1,227,463.

Patented May 22, 1917.

Fig. 1.

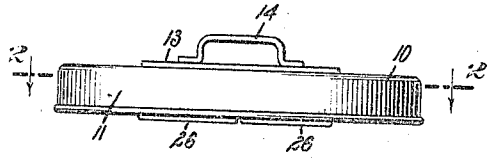


Fig. 2.

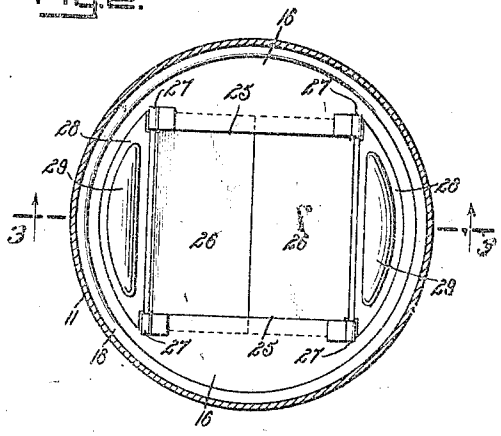
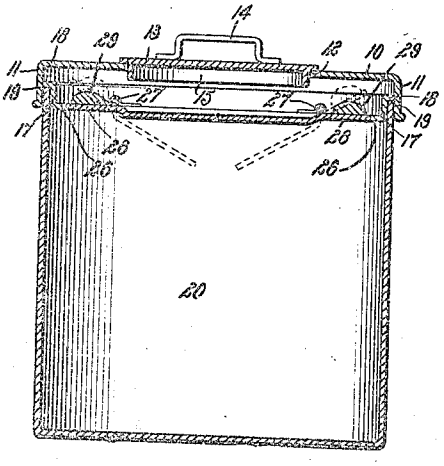


Fig. 3.



WITNESSES

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COVER FOR REFUSE-CANS.

1,227,463. Specification of Letters Patent. Patented May 22, 1917.

Application filed April 6, 1916. Serial No. 89,330.

To all whom it may concern:

Be it known that I, AMALIE F. LUYTIES, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Cover for Refuse-Cans, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved cover for refuse cans, arranged to permit the user to readily deposit the refuse into the can without danger of the odors arising from the refuse held in the can passing into the kitchen or other room in which the refuse can is located at the time, and to allow the garbage collector to readily empty the can of its contents.

In order to accomplish the desired result, use is made of a cover having a depending flange and a central opening, an auxiliary cover removably closing said central opening, a bottom attached to the flange and having its central opening in register with the said cover opening, and self-closing means mounted on the said bottom and normally closing the opening thereof, the said self-closing means being adapted to open in a downward direction by the weight of the refuse dropped onto the self-closing means by way of the said cover opening.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the cover;

Fig. 2 is a sectional plan view of the same on the line 2—2 of Fig. 1; and

Fig. 3 is a sectional side elevation of the cover in position on the refuse can on the line 3—3 of Fig. 2.

The top 10 of the cover is preferably flat and is provided with a depending flange 11 and is provided at its middle with a central opening 12 adapted to be closed by an auxiliary cover 13. The edge of the cover 13 rests on the top 10 and the auxiliary cover is provided with a suitable handle 14 and with a depending flange 15 fitting the wall of the opening 12, as plainly indicated in Fig. 3.

The cover is provided with a bottom 16 having an upwardly extending flange 17 spaced from the flange 11 and having its upper edge 18 bent outward and soldered or otherwise fastened to the inner side of the flange 11 a distance above the bottom edge thereof. By this arrangement an annular seat 19 is formed for engagement with the upper edge of the refuse can 20 to close the latter. By the arrangement described the cover is firmly seated on the refuse can 20 of usual construction. The bottom 16 is provided with a central opening 25 in register with the opening 12 and this opening 25 is normally closed by self-closing doors 26 pivoted at 27 on the bottom 16. The doors 26 are adapted to swing from normally closed horizontal position downward into open inclined position (see Fig. 3) whenever refuse is deposited on the said doors 26 through the central opening 12 of the cover and at the time the auxiliary cover 13 is removed. For the purpose mentioned the doors 26 are provided with extensions 28 each having a weight 29 to normally hold the corresponding door 26 in closed position. The doors 26 are somewhat wider than the central opening 25 in the bottom 16 so that the return or upward swinging movement of the doors 26 is limited, as will be readily understood by reference to Fig. 2. It will be noticed that when the doors 26 are in closed position the opening 25 in the bottom 16 is completely closed, and when the user removes the auxiliary cover 13 then the odors arising from the refuse held in the refuse can 20 are not liable to pass into the kitchen or other room in which the refuse can is located. When this cover 13 is removed the user can readily drop the refuse onto the closed doors 26 and then replace the cover 13. Now the weight of the refuse on the doors 26 causes the latter to swing downward into open position thus dropping the refuse into the can and then returning immediately to closed position. It will be noticed that the space between the bottom 16 and the top 10 is sufficient to accommodate the refuse to be dropped into the can 20 and also to accommodate the counterweighted extension 28 at the same the doors 26 swing into open position.

The cover shown and described is very simple and durable in construction and can be readily used on refuse cans as now generally constructed.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A removable cover for refuse cans comprising a flat top provided with a depending flange and having a central opening, an aux-

iliary cover removably closing the said central opening, a bottom attached to the flange and extending approximately parallel to the said top, the said bottom having a central opening in register with the said cover opening, and self-closing means mounted on the said bottom and normally closing the opening thereof, the said self-closing means when closed extending approximately horizontally being adapted to open in a downward direction by the weight of the refuse dropped onto the self-closing means by way of the said cover opening.

2. A removable cover for refuse cans comprising a flat top provided with a depending flange and having a central opening, an auxiliary cover removably closing the said central opening, a bottom attached to the flange and extending approximately parallel to the said top, the said bottom having a central opening in register with the said cover opening, the said cover flange and bottom forming a seat for engagement with the upper edge of a refuse can, and self-closing means mounted on the said bottom and normally closing the opening thereof, the said self-closing means when closed extending approximately horizontally being adapted to open in a downward direction by the weight of the refuse dropped onto the self-closing means by way of the said cover opening.

3. A cover for refuse cans having a central opening and a depending flange, an apertured bottom having an upwardly extending flange attached at its upper end to the inner side of the cover flange and forming with the latter a seat for engagement with the end of a refuse can, an auxiliary cover removably engaging the said central opening, and self-closing doors pivoted on the said bottom and normally closing the opening thereof, the doors being located below the said central opening of the cover.

4. A cover for refuse cans having a central opening and a depending flange, an apertured bottom having an upwardly extending flange attached at its upper end to the inner side of the cover flange and forming with the latter a seat for engagement with the end of a refuse can, an auxiliary cover removably engaging the said central opening, and self-closing doors pivoted on the said bottom and normally closing the opening thereof, the doors being located below the said central opening of the cover and normally completely closing the aperture in the said bottom.

5. A cover for refuse cans having a central opening and a depending flange, an apertured bottom having an upwardly extending flange attached at its upper end to the inner side of the cover flange and forming with the latter a seat for engagement with the end of a refuse can, an auxiliary cover removably engaging the said central opening and self-closing doors pivoted on the said bottom and normally closing the opening thereof, the doors being located below the said central opening of the cover, the doors being adapted to abut at their sides against the sides of the bottom to limit the return or upward swinging movement of the doors.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AMALIE FREDERIKE LUYTIES.

Witnesses:

GOTTLEIB OHNMACHT,

JOHN OHNMACHT.