July 5, 1932. A. C. GRUNWALD 1,865,902

ASH RECEPTACLE

Filed April 11, 1931

Fig. 1

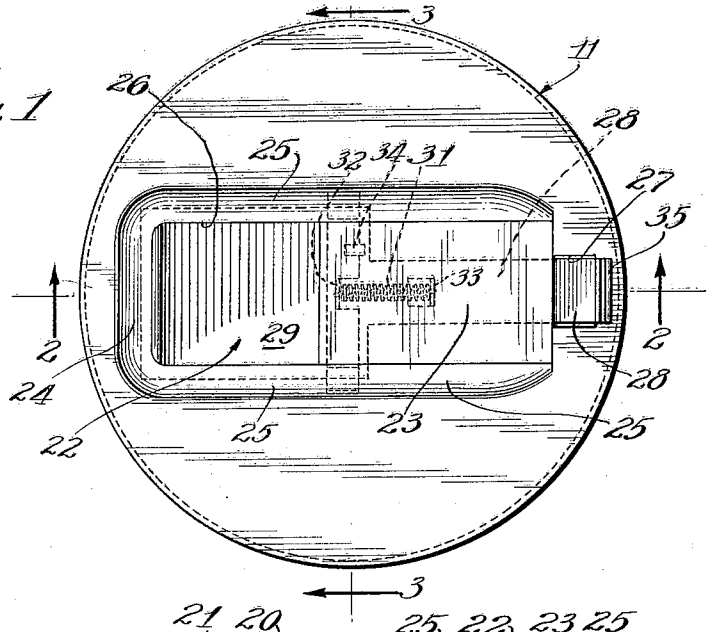


Fig. 3

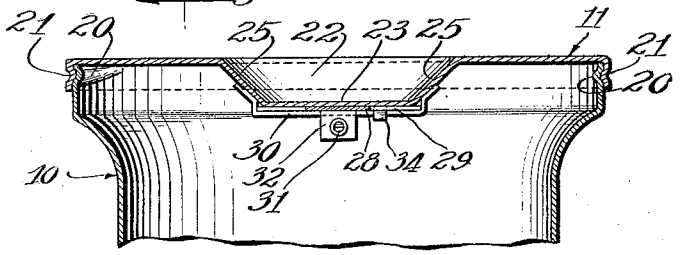
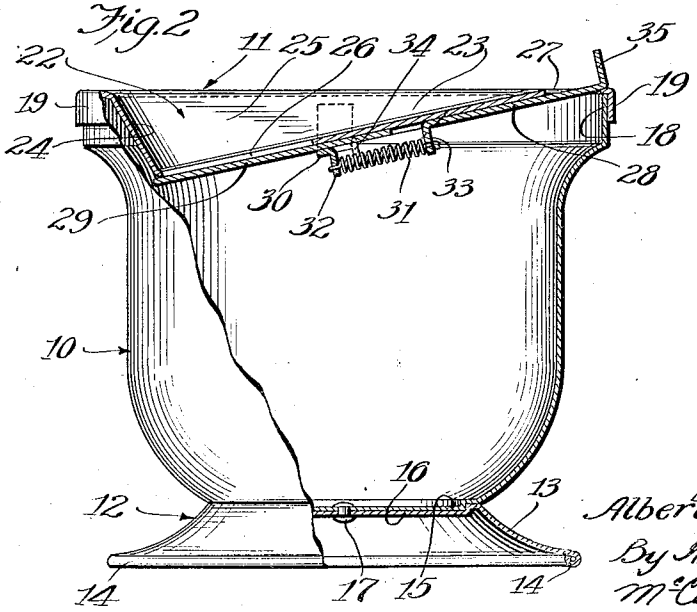


Fig. 2



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UNITED STATES PATENT OFFICE

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ASH RECEPTACLE

Application filed April 11, 1931. Serial No. 529,409.

This invention relates to ash receptacles, and particularly to receptacles adapted to receive tobacco ashes, cigarette ends, cigar ends, and other light refuse.

One of the objects of the invention is to provide an improved ash receptacle which shall be efficient in use, economical and simple to manufacture, and adapted to present a sanitary and neat appearance.

Another object of the invention is to provide an ash receptacle provided with an ash receiving tray which is adapted to be readily discharged at will into the receptacle by one hand.

Another object of the invention is to provide an ash receptacle comprising a tray adapted for the ready discharge of ashes into the receptacle, said tray being adapted for the automatic movement of ashes into the discharge position.

Other objects, advantages and capabilities will hereinafter appear from the following description of a preferred embodiment, taken in conjunction with the accompanying drawing, in which,

Figure 1 is a plan view of the ash receptacle;

Fig. 2 is an elevational view thereof, partly in section on the line 2—2 of Fig. 1; and

Fig. 3 is a sectional detail view taken on the line 3—3 of Fig. 1.

Referring to the drawing, the numeral 10 designates a sheet metal ash receiver, which is provided with a metal cover 11. The receptacle 10 is preferably provided with a base 12 which may also be formed from sheet metal and is provided with an outwardly flaring part 13 having a curled edge 14 for engagement with any convenient type of supporting surface.

In order to secure the base 12 to the receptacle 10 in a very economical manner, the base 10 is formed with a stamped depression 15 which receives a complementary depression 16 formed on the base of the receptacle 10. The base may be held to the receptacle by means of a single rivet 17 or other suitable means.

The receptacle 10 may be formed in any desired shape in accordance with any desired decorative effect. In the embodiment of the invention illustrated the receptacle 10 is provided with a substantially cylindrical upper flange 18 which is adapted to be received within a cylindrical skirt 19 formed on the cover 11. The cylindrical flange 18 may be provided with stamped grooves 20 which extend obliquely downwardly from its upper edge. The skirt 19 carried by the cover 11 may be formed with projections 21 which are adapted to be received in the grooves 20. The cover is secured upon the receptacle by inserting the projections 21 in the grooves 20 and relatively rotating the receptacle and cover in the appropriate direction.

The cover 11 may suitably be formed from flat stock and is depressed or dished to provide an ash tray or primary ash receiver 22. The dished portion may suitably lie on a diameter and comprises a relatively long gradually inclined bottom 23, a steeply inclined end 24, and steeply inclined sides 25. The bottom 23, end 24 and sides 25 extend to the general level of the cover 11 and merge with the metal of the flat portion thereof.

The lower portion of the inclined bottom 23 is stamped out to provide an opening 26 whereby ashes and the like may pass into the receptacle 10. Adjacent the upper end of the bottom 23, the cover 11 is provided with an opening 27 through which extends a metal strip 28. The metal strip 28 is an extension of a flat plate 29 which normally closes the opening 26. This plate is guidably supported by a strap 30 which is secured to the sides 25.

In order to maintain the plate 29 in closing relation to the opening 26, I provide a tension spring 31 which extends between lugs 32 and 33 formed on the strap 30 and strip 28. A lug 34 struck down from the strip 28 is adapted to engage the strap 30 and serve as a stop for the inward movement of the plate 29. The outer end of the strip 28 is turned upwardly to provide a handle 35 whereby the plate 29 may be actuated. The opening movement of the handle 35 may be effected by one finger using the adjacent thumb as an abutment for the receptacle. The spring 31

may, however, be made light so that no abutment is necessary.

The long sloping bottom of the ash receiver 22 adapts it for use as a cigar or cigarette holder in addition to its function as a primary ash receiver. It will be readily understood that a burning cigar or cigarette placed in the ash receiver 22 is prevented from falling off. The length of the receiver is sufficiently great that danger of the cigar or cigarette burning away until the remainder overbalances, is obviated. When used in this way as a rest, any ash which falls off the cigar or cigarette is normally deposited upon the plate 29 since the shape and location of the ash receiver 22 invite the smoker to place his cigar or cigarette with the burning end in the deep end of the receiver.

Owing to the sloping bottom of the ash receiver 22, ash and other light rubbish placed therein gravitate towards the opening 26, and may be assisted, if necessary, by gently tapping the receiver. The ash and other rubbish is easily transferred to the receptacle 10 by pulling the plate 29 outwardly by the handle 35, whereupon the ash and other rubbish falls into the receptacle 10.

The improved device may readily be fabricated by simple metal pressing operations, and since the cooperating moving parts are flat, a high degree of accuracy may be obtained with great ease.

Although the invention has been described in connection with the specific details of a preferred embodiment thereof, it must be understood that such details are not intended to be limitative of the invention except insofar as set forth in the accompanying claims.

What I claim as new and desire to secure by Letters Patent is:

1. An ash receptacle comprising a cover formed to provide a relatively long ash receiver sloping from end to end, said receiver being provided with an opening whereby ashes may pass into the receptacle, a plate normally closing said opening, and means for sliding same to open same.

2. An ash receptacle comprising a cover provided with a relatively long sloping trough, the lower end of which is cut away to provide a discharge opening, a plate slidably mounted on the underside of said trough and provided with an extension projecting through an opening in the cover whereby the plate may be actuated to remove said plate from the opening, and a spring normally maintaining said plate in closing position.

3. An ash receptacle comprising a cover provided with a relatively long sloping trough, the bottom of which is a gradually inclined plane extending from the cover downwardly, the lower portion of said plane being cut out to provide a discharge opening, a plate slidably mounted on the underside of said plane and adapted to close said opening, a strip extending therefrom and projecting through an opening in the cover whereby the plate may be actuated, and a coil spring normally maintaining said plate in closing position.

4. An ash receptacle comprising a cover provided with a relatively long sloping trough, the bottom of which is a gradually inclined plane extending from the cover downwardly, the lower portion of said plane being cut out to provide a discharge opening, a plate slidably mounted on the underside of said plane and adapted to close said opening, a strap extending under said plate and secured to the sides of the trough supporting said plate, a strip extending therefrom and projecting through an opening in the cover whereby the plate may be actuated, and a tension spring extending between lugs on said strip and said strap normally maintaining the opening closed.

5. An ash receptacle comprising a cover provided with a relatively long sloping trough, the bottom of which is a gradually inclined plane extending from the cover downwardly, the lower portion of said plane being cut out to provide a discharge opening, a plate slidably mounted on the underside of said plane and adapted to close said opening, a strap extending under said plate and secured to the sides of the trough supporting said plate, a strip extending therefrom and projecting through an opening in the cover whereby the plate may be actuated, a tension spring extending between lugs on said strip and said strap normally maintaining the opening closed, and a stop limiting the inward movement of the plate.

6. An ash receptacle comprising a cover provided with a relatively long sloping trough, the bottom of which is a gradually inclined plane extending from the cover downwardly, the lower portion of said plane being cut out to provide a discharge opening, a plate slidably mounted on the underside of said plane and adapted to close said opening, a strap extending under said plate and secured to the sides of the trough supporting said plate, a strip extending therefrom and projecting through an opening in the cover, a handle on the outer end of the strip whereby the plate may be actuated, a tension spring extending between lugs on said strip and said strap normally maintaining the opening closed, and a stop limiting the inward movement of the plate.

In witness whereof, I hereunto subscribe my name this 3 day of April, 1931.

ALBERT C. GRUNWALD.