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ASH TRAY

Filed April 23, 1928

Fig. 1,

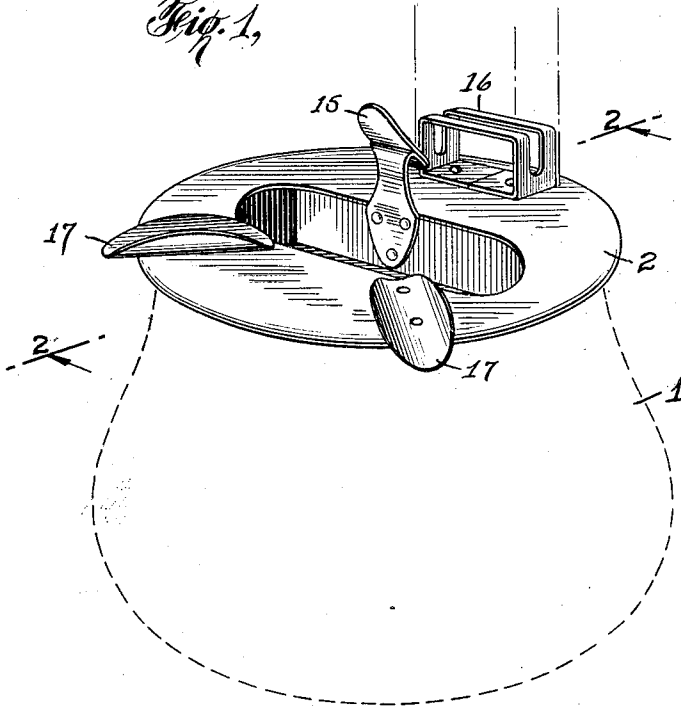


Fig. 3,

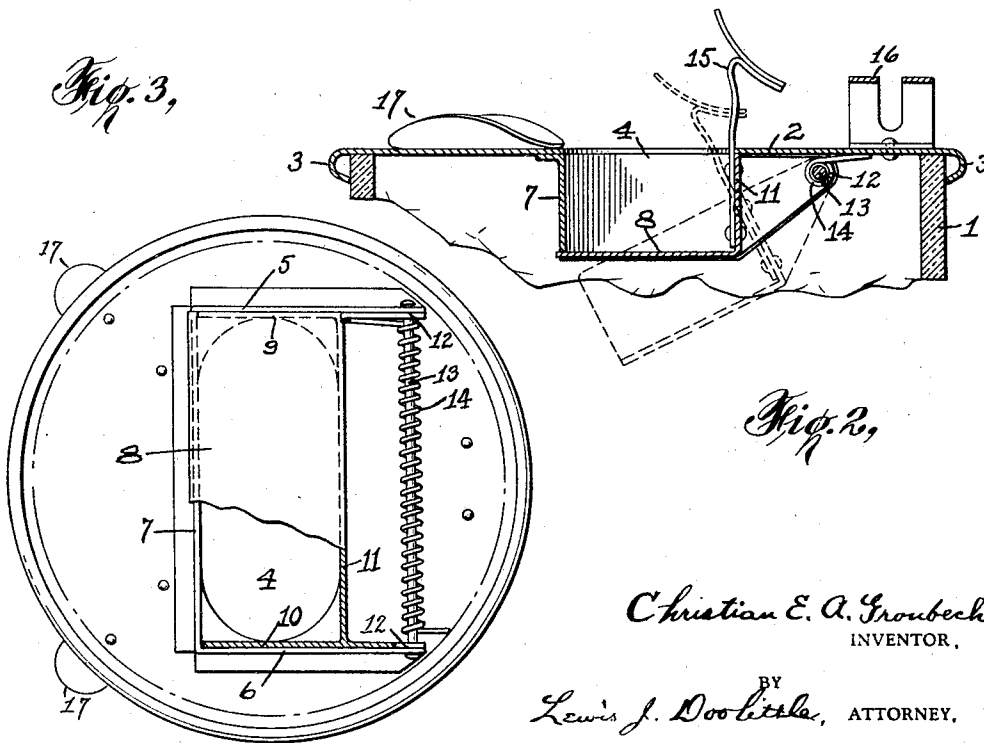


Fig. 2,

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ASH TRAY

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The object of the present invention is to provide a device, designated as an ash tray, for table use to receive cigar or cigarette ashes, butts, etc., for smokers' use.

One of the features of the invention is in the simple construction provided, which may be easily and cheaply manufactured, particularly in the cover construction, which may be used with a receiving bowl of various designs, to suit the user's fancy.

One object of the invention is to provide a construction by means of which the ashes or refuse is first deposited in a tray, which is then easily operated to discharge the contents into a receiving bowl where it is enclosed by the tight joints provided between the several parts and the odors prevented from escaping or the contents prevented from spilling if the device is accidentally overturned.

Other features and objects will appear from the description of the embodiment of the invention as illustrated in the accompanying drawings.

In the drawings like parts in the several views have been given the same reference numeral.

Fig. 1 is a general top view, in perspective, of one form or embodiment of the invention; Fig. 2 is a sectional view, somewhat enlarged, on the line 2—2 of Fig. 1; Fig. 3 is a bottom plan view of the cover of the device removed from the bowl.

A receiving bowl is indicated at 1, being shown in dash lines in Fig. 1 as it may be of any shape as desired and of any suitable material, such as glass, porcelain, etc. A cover 2 is shown as removably positioned over the top of the bowl 1, in Figs. 1 and 2. This cover 2 is provided with an inwardly turned yielding edge portion 3 which engages around the top edge of the bowl 1, as shown in Fig. 2.

This construction of the edge portion of the cover not only provides a simple means for securing the cover in place on the bowl and for ready removal of the same, to empty the bowl, but also provides a tight joint between the cover and bowl preventing escape of objectionable odors, etc.

The cover 2 is provided with an elongated

opening 4, which opening may also be of other shapes as desired. The opening 4 is preferably positioned centrally in the cover 2, although this may also be modified if desired.

Extending downwardly, as the cover is positioned on the bowl, are two end flanges, 5 and 6, shown in Fig. 3, which are adjacent the opposite ends of the opening 4 in the cover, and a third or side flange 7, shown in Figs. 2 and 3, which is adjacent one side of the opening 4, these three flanges thus enclosing three sides of the space below the opening 4 in the cover.

An ash receiving tray 8 is pivotally mounted on the lower side of the cover 2 immediately below the opening 4. This tray comprises a bottom portion having two end walls, 9 and 10, shown in Fig. 3, and a side wall 11, shown in Figs. 2 and 3. The end walls of the tray, 9 and 10, and the flanges 5 and 6 of the cover are respectively positioned adjacent each other, as shown in Fig. 3, and extend a short distance to one side of the tray and opening. At the ends of these extensions, a pivot or hinge 12 is provided, which comprises a pivot rod 13 and a spring 14 mounted thereon with its ends respectively engaging the cover and tray, thus providing a simple form of resilient means for normally holding the tray in its normal or closed position, shown in full lines in Fig. 2, its open position being indicated in dotted outline in this figure of the drawing.

Referring to Fig. 3, it will be seen that the side flange 7 on the cover is located on one side of the opening 4 while the side wall 11 of the tray is located on the opposite side of this opening, when the tray is in its closed position. The end flange 5 and end wall 9 are located at one end of the opening 4 in the cover and the end flange 6 and end wall 10 are located at the opposite end of this opening. Thus, when the tray is in its normal position, the opening 4 is entirely closed, the bottom portion of the tray 8 engaging the side flange 7 in this position, and the escape of odors or accidental spilling of the contents of the bowl 1 is prevented.

The ashes, etc., are first deposited in the tray 8 and the tray is then moved or swung

about its pivot by means of an operating member in the form of an extending thumb piece 15, which is attached to the side wall 11 of the tray and extends through the opening 4 in the cover to a convenient position to be operated from the upper side of the cover 2 by merely pressing downwardly thereon, thus swinging the tray to the open position, as indicated in dotted lines in Fig. 2, to discharge its contents into the bowl 1. Upon releasing the thumb piece 15, the resilient spring hinge mechanism, heretofore described, immediately returns the tray to its closed position, shown in full lines in Fig. 2.

15 A holder, such as shown at 16, for a package or box of matches, may also be provided and one or more cigar rests, shown at 17, may be attached to the cover, if desired.

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

1. In a device of the character described, a cover adapted to be disposed in closing relation to the top of a container, said cover having an opening therein, means for forming beneath said cover in alinement with the opening therein an open-top box-like structure composed of four sides and a bottom, a hinge ear at each end of one of said sides extending therefrom in a direction away from said box-like structure, complementary hinge ears fixed with respect to the cover, pivotal connections between said ears to adapt that side of the box-like structure having the ears for swinging movement away from the box-like structure, said pivotal connections being spaced from said box-like structure, the bottom of said box-like structure being fixed to the hinged side of said structure for swinging movement with the latter, and a finger engageable actuating member for said hinged side extending from the latter through the opening in said cover.

2. In a device of the character described, a cover adapted to be disposed in closing relation to the top of a container, said cover having an opening therein, means for forming beneath said cover in alinement with the opening therein an open-top box-like structure composed of four sides and a bottom, a hinge ear at each end of one of said sides extending therefrom in a direction away from said box-like structure, complementary hinge ears fixed with respect to the cover, a hinge pintle disposed in spaced relation to the box-like structure and connecting said ears, a spring coiled about said hinge pintle and bearing at one end against said hinged side and at its other end against said cover to maintain the hinged side of said box-like structure normally closed with respect to said box-like structure, the bottom of said box-like structure being fixed to the hinged side of said structure for swinging movement with the latter, and means for effecting swinging movement of said hinged side and

bottom to an open position with respect to said box-like structure.

3. In a device of the class described, a cover to be disposed in closing relation to the top of a container, said cover having an opening therein which is exposed at all times to permit material to be passed therethrough, means forming beneath said cover in alinement with the opening therein an open top receptacle inclusive of a pivoted bottom adapted to be swung to a position to permit material deposited through the opening in said cover into said receptacle to fall into said container, means maintaining the bottom of said receptacle normally closed, and means extending through the opening in said cover for swinging said bottom to an open position.

Signed at New York city, in the county of New York and State of New York, this 20th day of April, A. D. 1928.

CHRISTIAN E. A. GRONBECH.