April 9, 1929. E. PHILLIPS 1,708,895

ASH RECEPTACLE FOR VEHICLES

Filed Sept. 3, 1927

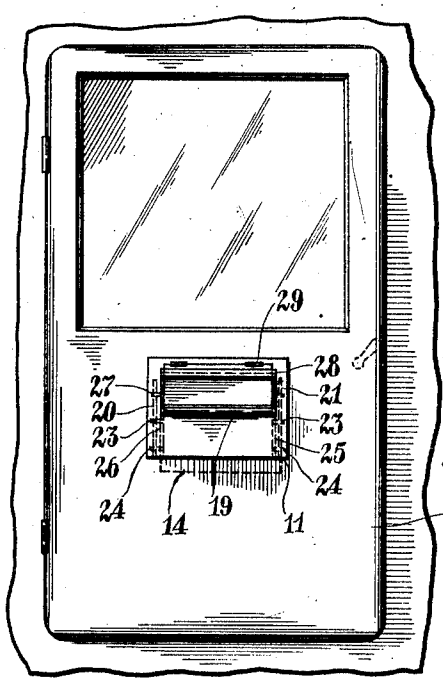


Fig. 1.

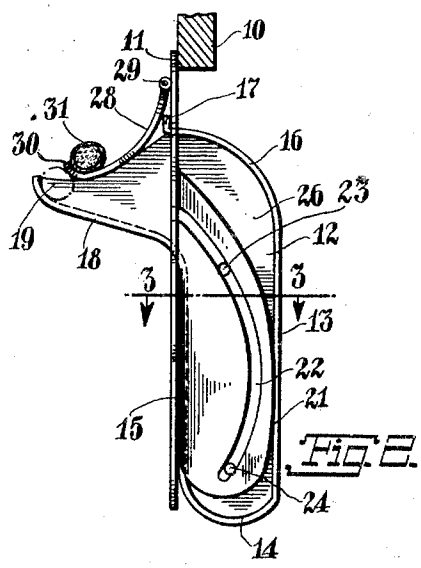


Fig. 2.

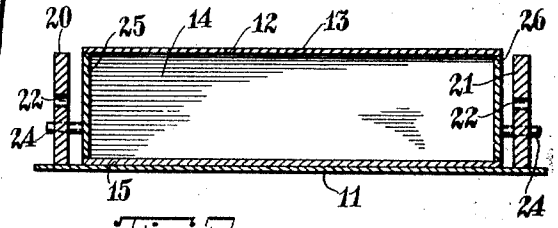


Fig. 3.

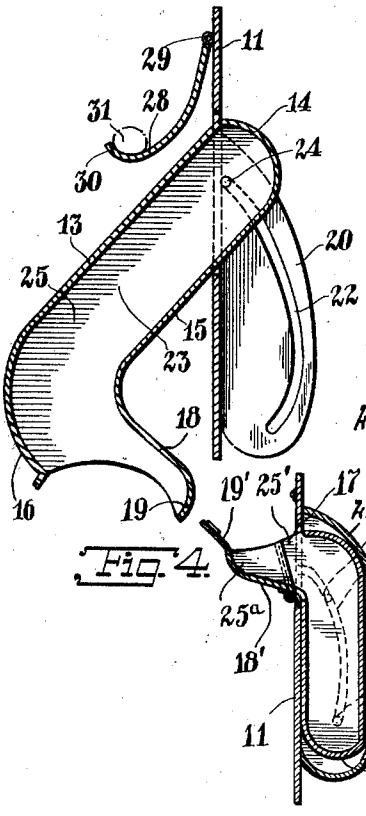


Fig. 4.

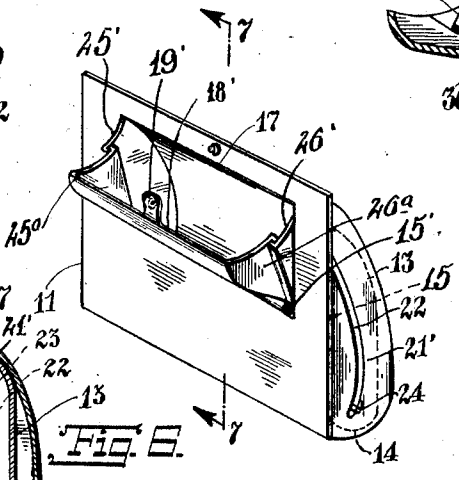


Fig. 6.

Fig. 7.

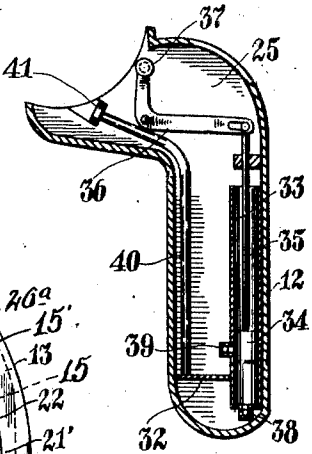


Fig. 5.

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UNITED STATES PATENT OFFICE.

EUGENE PHILLIPS, OF NEW YORK, N. Y.

ASH RECEPTACLE FOR VEHICLES.

Application filed September 3, 1927. Serial No. 217,516.

This invention relates to an improved ash receptacle particularly adapted for vehicles such as automobiles and Pullman cars and has for one of its objects the provision of a container for ashes adapted to be disposed in a recess of a wall, dashboard, or partition which may be conveniently emptied and which remains in upright position by virtue of its own weight.

A further object of my invention is the provision of a receptacle for cigar and cigarette ashes having a substantially closed reservoir therein and mechanism for pumping liquid from the resorvoir and spraying the same into the interior of the receptacle to extinguish lighted cigars, cigarettes, or matches.

A still further object of my invention is the provision of a receptacle having a substantially closed reservoir therein and means for pumping water therefrom for spraying the same on the inner walls of the container to rinse the interior thereof when the receptacle is disposed in inverted position during emptying thereof.

Other objects will appear hereinafter the novel features and combinations being more clearly set forth in the appended claims.

In the drawings:

Fig. 1 is a front elevational view of my invention shown mounted on a door 10 of a vehicle.

Fig. 2 is an end elevational view of the ash receptacle illustrated in Fig. 1.

Fig. 3 is a horizontal sectional view taken on the lines 3—3 of Fig. 2.

Fig. 4 is a central vertical sectional view of my improved ash receiving device illustrated in emptying position.

Fig. 5 is a vertical sectional view of an ash receptacle embodying a further development of my invention.

Fig. 6 is a perspective view of my device showing another modification.

Fig. 7 is a vertical sectional view taken on the line 7—7 of Fig. 6.

Referring particularly to the drawing, the numeral 10 designates a wall, door, or dashboard having a recess therein and the numeral 11 indicates a face plate disposed over the recess. A container 12 comprising an integral strip of sheet metal disposed downwardly for providing a back wall 13 curved forwardly at its lower extremity for providing a substantially semicylindrical bottom 14 and disposed upwardly for providing a front wall 15 is slidably mounted through a rectangular aperture in the flush plate 11. The upper extremity of the rear wall 13 is curved forwardly for providing a top member 16 which closes the rear portion of the container 12 at its upper end. A flange 17 is formed on the outer extremity of the top wall 16 for engaging the front side of the plate 11 above the rectangular aperture therein to prevent rearward movement of the container 12 for holding the container 12 in upright position as illustrated in Fig. 2.

The outer wall 15 of the container 12 is disposed outwardly through the rectangular aperture in the flush plate 11 and is extended at a slight upward inclination in advance of the flush plate 11 and the flange 17 of the upper curved top wall 16 for providing an open entrance to the interior of the receptacle 12 having a substantially flat bottom 18. The forward edge of the flat bottom 18 is curved upwardly as at 19 forming a curved edge for preventing the escapement of ash deposited on the bottom 18. It should be understood that the curved edge portion 19 serves as a scraper upon which the lighted end of a cigar or cigarette may be struck for dislodging the ash therefrom and that the inclined bottom 18 serves to guide the ash deposited thereon to the interior of the container 12.

Flanges 20 and 21 are mounted on the rear side of the flush plate 11 at each end thereof and are provided with arcuate slots 22 in which upper and lower pairs of pins 23 and 24, respectively, mounted in side members 25 and 26 of the container 12 are disposed. It should be understood that the container 12 is disposed between the rearwadly directed flanges 20 and 21 and that the same is adjustably supported on the upper and lower pairs of pins 23 and 24, respectively.

When it is desired to empty the container 12, the same may be moved to the inverted position illustrated in Fig. 4 and the ashes accumulated therein may be discharged through the open upper front side thereof. Slots 27 are provided in the flush plate 11 for accommodating the upper pair of pins 23, the pins 23 being adapted to pass through the slots 27 and the pins 24 being of sufficient length to extend beyond the slots for preventing the container 12 from being separated

from the plate 11 when in inverted position and for retaining the container in inverted depending position.

A cover 28 is pivotally attached to the flush plate 11 by hinges 29 and is adapted to depend downwardly over the open entrance of the container 12. The cover is provided with an upwardly disposed front edge portion 30 which serves as a tray for holding a cigar or cigarette indicated by numeral 31. It should be understood that there is an open space between the front edge of the cover and the front edge portion of the container for permitting ashes to be deposited on the inclined bottom 18 while the cover is closed; the cover being adapted to be opened to permit larger objects to be deposited in the container when desired. When the container 12 is rotated or moved to inverted position the cover 28 is raised by the flange 17 of the top wall of the container and the cover is again raised when the container is moved to upright position. It should be understood that the engagement of the pairs of pins 23 and 24 guides the container 12 in its movement to and from inverted position and securely retains the same in the recess behind the plate 11 in a manner such that the container cannot be accidentally inverted by vibration or jarring of the vehicle.

In the modified form of my invention illustrated in Fig. 5 the container 12 is provided with a bottom partition 32 spaced apart from the curved bottom 14 thereof. The partition provides a reservoir for retaining liquid at the bottom of the container 12. A cylinder 33 is disposed in one of the rear corners of the container in upright position and is provided with a piston 34 connected by a piston rod 35 to a bell crank 36 pivotally mounted on the end 25 of the container. The cylinder 33 is extended at its lower end through an aperture in the partition 32 and into the reservoir below. The piston rod 35 is pivotally and slidably connected to the bell crank 36 by a pin which is disposed through a longitudinal slot in the lever. The other end of the bell crank 36 is disposed close to the entrance of the container and is provided with a handle 37 which extends inwardly from the end wall 25 of the container substantially perpendicular thereto. A oneway inlet valve 38 is provided in an aperture in the lower closed end of the cylinder 33, and oneway outlet valves 39 are provided in the side walls of the cylinder 33. It should be understood that when the handle 37 is pulled outwardly for rotating the crank 36 in an anti-clockwise direction the piston 34 is raised sucking liquid from the reservoir into the cylinder 33. When the crank 36 is rotated clockwise thereafter the piston 34 is moved downwardly and the liquid drawn into the cylinder 33 is discharged through the outlet valves 39 into the interior of the container. It should be understood that the spraying of liquid into the container will extinguish smoldering cigar and cigarette ends and that if desired the spraying operation may be utilized in washing out the interior of the container when the same is in inverted or emptying position. The reservoir may be filled by introducing water into the upper end of the conduit 40 which is communicative at its lower extremity with the reservoir. A cap 41 may be screwed threadedly on the upper extremity of the conduit for preventing spilling of the liquid when the container is inverted. In Fig. 6 the bottom 18′ is hingedly mounted to the front wall 15 as shown at 15′, so as to be able to cover the opening of the ash receptacle and close it by means of securing extension 19′. The side walls 25′ and 26′ have bent edges which engage corresponding bent edges of side walls 25^a and 26^a, respectively, of the hinged member 18′. Flanges 20 and 21 may be replaced by a container 21′ to completely enclose the container 12 thus making the ash receptacle fireproof. In the event the receptacle 12 would be punctured and the hot ashes would fall out of the same the said ashes will drop into the container 21′.

Having thus fully described and shown an embodiment of my invention what is desired to be secured by Letters Patent of the United States is:

1. A cigarette ash receptacle comprising a flush plate adapted to be mounted over a recess in a wall, a container slidably mounted in an aperture in said flush plate comprising a rear compartment adapted to be rotated forwardly for discharging ash therefrom, and a front section disposed in advance of said flush plate having an entrance opening therein, and means for closing the entrance opening, said means comprising a pivoted front extension member, said extension member having side flaps bent to engage corresponding side flaps of the receptacle, and a securing extension for holding the said pivoted front extension member over the said entrance opening.

2. A cigarette ash receptacle comprising a flush plate adapted to be mounted over a recess in a wall, a container slidably mounted in an aperture in said flush plate comprising a rear compartment adapted to be rotated forwardly for discharging ash therefrom, and a front section disposed in advance of said flush plate having an entrance opening therein, and means for closing the entrance opening, said means comprising a pivoted front extension member, said extension member having side flaps bent to engage corresponding side flaps of the receptacle.

3. An ash receiving device of the class described comprising a flush plate, and an irregularly shaped container including a rear section disposed in back of said plate, a sec-

ond container secured on the back of said plate and adapted to receive the first mentioned container, said irregularly shaped container having a front section with an aperture therein, said last mentioned container being disposed through an aperture in said plate and rotatively and slidably mounted thereon adapted to be inverted for positioning said rear compartment in front of said plate at an inclination thereto for emptying the contents of said compartment.

In testimony whereof I have affixed my signature.

EUGENE PHILLIPS.