L. McDONALD.

WASTE RECEPTACLE.

APPLICATION FILED JAN. 26, 1914.

1,116,604. Patented Nov. 10, 1914.

Fig. 1.

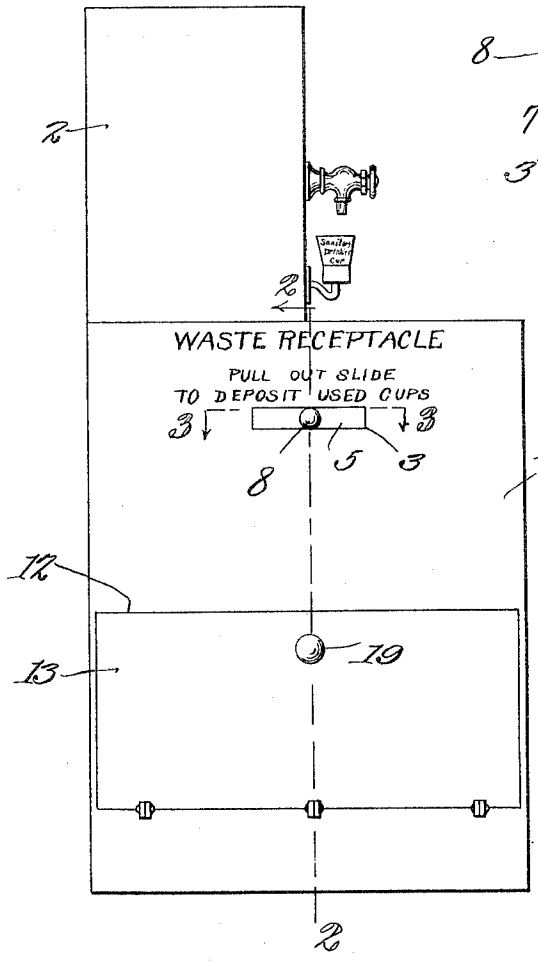
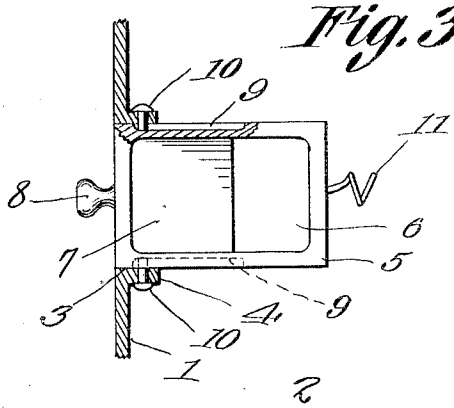


Fig. 3.



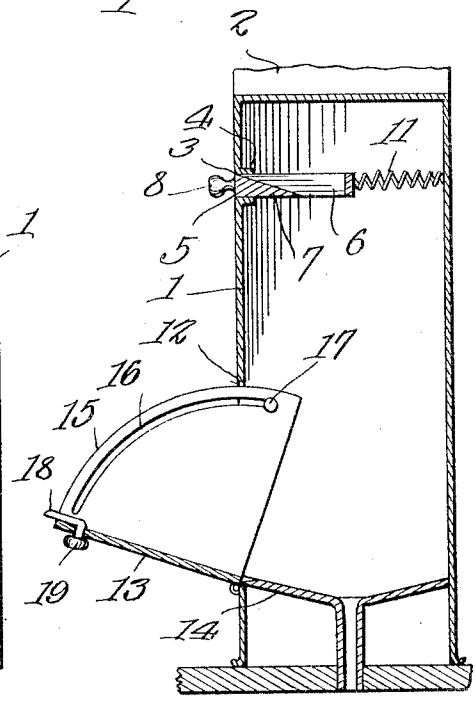


Fig. 2.

Witnesses

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WASTE-RECEPTACLE.

1,116,604. Specification of Letters Patent. Patented Nov. 10, 1914.

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To all whom it may concern:

Be it known that I, LENA McDONALD, a citizen of the United States, residing at Chadbourn, in the county of Columbus and State of North Carolina, have invented a new and useful Waste-Receptacle, of which the following is a specification.

The present invention appertains to a waste receptacle for railway passenger coaches, waiting rooms, and for other purposes, and aims to provide a novel and improved receptacle of that nature, which is particularly adapted for the reception of sanitary drinking paper cups after they have been used.

At the present day, it is quite common, for passenger coaches, equipped with coolers and sanitary paper drinking cups, to have no or inadequate means for receiving the cups after they have been used, and as a consequence, the floor below the cooler, generally becomes littered with used cups, which is not only unsightly, and renders the floor wet and slippery, but is also unsanitary, inasmuch as when the cups become dry, due to the heated air within the car, the disease germs will float in the heated air, thus avoiding the prevention of spread of contagious diseases, which the sanitary cups are primarily provided for.

It is therefore the object of the present invention to provide a waste receptacle, which is peculiarly adapted for receiving used sanitary drinking cups whereby they may be housed or confined within the receptacle, to avoid the objections above noted, and whereby the receptacle may be readily emptied from time to time.

It is also the object of the present invention to provide unique means for depositing the used cups in the receptacle, whereby the depositing means will normally be closed, to prevent the egress of the disease germs from the receptacle when the cups or matter within the receptacle become dry or heated.

It is also within the spirit of the present invention to provide a device of the character specified, which will be comparatively simple and inexpensive in construction, as well as being simple, convenient, practical and efficient in its use.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

The invention has been illustrated in its preferred embodiment in the accompanying drawing, wherein:—

Figure 1 is a front view of the improved waste receptacle as applied below a cooler. Fig. 2 is a sectional view of the receptacle, taken on the line 2—2 of Fig. 1. Fig. 3 is an enlarged sectional detail of the depositing means, the section being taken on the line 3—3 of Fig. 1, a portion of the slide being broken away.

In carrying out the present invention, there is provided a casing or box 1, which may be constructed of various materials and various proportions, according to the circumstances. It is preferable, however, to construct the casing or receptacle of zinc, or of material lined with zinc, to render the interior non-corrosive. The casing or receptacle 1 is adapted to be disposed below the water cooler 2, when the receptacle is to be employed within a railway passenger coach, or, the receptacle may be employed for supporting the cooler within the coach, within a waiting room, or other public place. It is usual, in railway passenger coaches, to provide sanitary paper drinking cups adjoining the cooler, for use by the passengers, so that it is preferable to associate the waste receptacle with the cooler, whereby the used cups may be readily deposited therein, to avoid the cups being thrown or dropped upon the floor, or the drain basin of the cooler (not shown).

The front wall of the receptacle or casing 1 is provided with a slot or elongated opening 3 adjoining the upper end or top of the receptacle, the edge portions of the slot or opening 3 being preferably inturned to provide the flanges or lips 4. A slide 5 is movable inwardly and outwardly through the opening 3 and is guided by the flanges or lips 4 to move horizontally to and from the back wall of the receptacle. This slide 5 is provided with an opening 6 adjoining its inner or rear end, the forward end of the opening 6 being inclined, as at 7, to form a "chute." The slide 5 is also equipped with a knob or handle 8 at its forward or outer end for conveniencing the manipulation of the slide, and the slide is further provided

with slots or grooves 9 in its side edges with which pins or stops 10 engage, said pins or stops being carried by the ends of the flanges or lips 4, to limit the movement of the slide out of and into the receptacle. The slide is normally retracted by means of a spring 11 connecting the inner or rear end of the slide and the back wall of the receptacle, although this spring is not entirely essential. The front wall of the receptacle is further provided with a clean-out opening 12 and a door 13 for the clean-out opening is hinged to the lower edge of the said opening, directly adjoining the bottom 14 of the receptacle. The door 13 is provided with the sector-shaped wings 15 movable along the interior of the sides of the receptacle, and having arcuate slots 16 which are engaged by pins or stops 17 carried by the sides of the receptacle, to limit the outward movement of the door 13, as seen in Fig. 2.

The door 13 is preferably provided with an inner latch 18 having an outer knob or handle 19, whereby the latch may be engaged upon the interior of the front wall of the receptacle, when the door 13 is closed, to lock the door 13 in closed position, under ordinary conditions.

The bottom 14 of the receptacle is preferably raised and slopes from its edges to the center portion, a drain pipe 20 being connected to the central portion of the bottom 14 and extending downwardly through the bottom or floor of the passenger coach, waiting room or the like, for permitting the receptacle to be drained, should the cups deposited therein contain water.

In use, the door 13 ordinarily closes the clean-out opening 12, and the slide 5 is normally retracted or closed, preferably through the medium of the retractile spring 11. Thus, as soon as the slide is released, the spring will return the slide to initial or closed position, without it being necessary for the slide to be manually pushed inward. To deposit the cups within the receptacle, it is merely necessary for the user to pull or draw the slide 5 outward, and to insert the cup through the opening 6 upon the inclined or chute portion 7 thereof, in which event the cup will drop from the exterior through the slot and into the receptacle. In any event, the cup will drop into the receptacle when the slide is opened, or when the slide is closed. It is to be noted that when the slide is pulled inwardly by the spring 11, the opening 6 will be brought completely within the receptacle, and that the means for limiting the outward movement of the slide will prevent the lower portion of the inclined end 7 of the opening 6 from being moved completely out of the deposit opening 3. This is of advantage for the reason that when the slide is drawn outwardly, the cup may be readily deposited within the receptacle, without the liability of the cup dropping through the opening of the slide onto the floor. The slide 5 being retracted or closed, will close the slot or opening 3, the opening 6 being normally arranged within the receptacle, and consequently, the egress of disease germs will be prevented.

The receptacle may be emptied from time to time, by swinging the door 13 open, as seen in Fig. 3, which enables the porter or attendant to readily slide the cups from the bottom of the receptacle over the door 13, and into a suitable waste receptacle. The door 13 may then be closed, to again put the receptacle in condition for use.

From the foregoing, taken in connection with the drawing, the several advantages and capabilities of the present invention will be obvious without further comment, it being apparent that the objects aimed at have been carried out satisfactorily, and that the present construction is susceptible of changes or alterations in its details, within the scope of the appended claim, without departing from the spirit of the invention.

Having thus described the invention, what is claimed as new is:—

A waste receptacle having one wall provided with a deposit opening, a slide slidable inwardly and outwardly through the said deposit opening, the slide having an opening adjoining its inner end, the outer end of the slide opening being inclined, means for yieldingly pulling the slide inwardly to bring the opening thereof within the receptacle, and means for limiting the outward movement of the slide to prevent the lower portion of the said inclined end of the slide opening from being moved completely out of the deposit opening.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

LENA McDONALD.

Witnesses.
E. T. USHER,
P. LENNON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."