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T. BODDE

RECEPTACLE ATTACHMENT

Filed Oct. 6, 1923

Fig. 1.

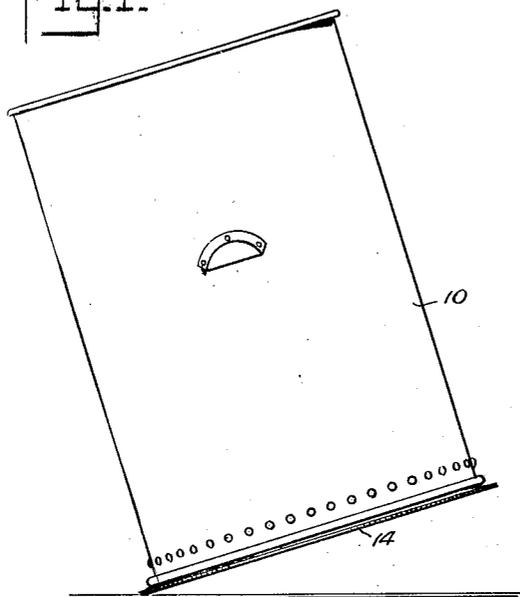


Fig. 2.

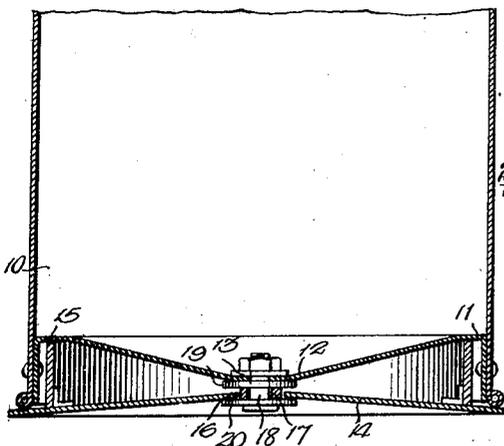


Fig. 3.

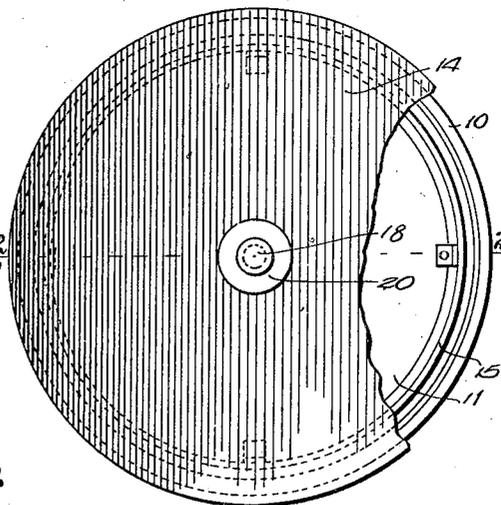
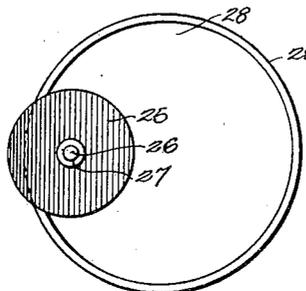


Fig. 4.

WITNESSES

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RECEPTACLE ATTACHMENT.

Application filed October 6, 1923. Serial No. 667,026.

To all whom it may concern:

Be it known that I, THEODORE BODDE, a citizen of the United States, and a resident of Niagara Falls, in the county of Niagara and State of New York, have invented a new and Improved Receptacle Attachment, of which the following is a full, clear, and exact description.

This invention relates to receptacles and has particular reference to an attachment for ash cans for facilitating the movement over the ground or other supporting surface and for minimizing the frictional resistance encountered by such movement.

The present invention contemplates an extremely simple and inexpensive form of attachment for a container of the character set forth which affords means for moving the same over a supporting surface with a minimum amount of effort without the necessity of imparting a rolling movement to the can or receptacle proper and without resorting to the use of a truck or other wheeled device.

With the above recited and other subjects in view, the invention resides in the novel construction set forth in the following specification, particularly pointed out in the appended claims and illustrated in the accompanying drawings, it being understood that the right is reserved to embodiments other than those actually illustrated herein to the full extent indicated by the general meaning of the terms in which the claims are expressed.

In the drawings—

Figure 1 is a side view of a receptacle equipped with the invention and disposed in a position for movement.

Fig. 2 is an enlarged fragmentary detail sectional view through the same in a position at rest.

Fig. 3 is a bottom plan view thereof with parts broken away to disclose the underlying structure.

Fig. 4 is a bottom plan view of a modified adaptation of the invention.

Referring to the drawings by characters of reference, 10 designates the can or receptacle body which is provided with a lower end 11 having a depressed central portion 12 formed with an axial opening 13. The attachment for facilitating the movement of the receptacle over its supporting surface includes a disk 14 which is of

slightly greater diameter than the diameter of the lower end of the can body 10, the said disk being provided with an upwardly projecting annular flange 15 spaced concentrically inward from its outer edge an appropriate distance to be received within the lower end of the can body whereby the upper free edge of the flange 15 may contact with the underside of the lower end 11 simultaneously with the engagement of the upper surface of the disk 14 with the lower end of the can body. The disk 14 is centrally apertured as at 16, which central aperture loosely receives a sleeve 17 on the bolt 18 which extends through the central opening 13 of the depressed portion of the bottom 11. The sleeve 17 serves as a spacer for the washers 19 and 20, which washers together with the sleeve function to loosely mount the disk 14 on the receptacle or can body for rotary movement relative thereto and for limited angular tilting movement with respect to the can body.

In use and operation when it is desired to move the can or receptacle 10 over its supporting surface the same is tilted as illustrated in Fig. 1 whereby the peripheral edge of the disk contacts at one point with the ground and the peripheral edge of the bottom of the container body 10 contacts at one point with the upper edge of the disk. At the same time the upper free edge of the flange 15 receives at one point of its periphery the under side of the bottom wall 11 of the body. By moving the can in this position in a lateral direction the disk 14 will roll over the ground or supporting surface and will rotate relatively to the can body and bottom wall, which can body and bottom wall will respectively have a sliding contact with the upper surface of the disk and the upper free edge of the flange 15. It will thus be observed that the bolt 18 does not serve in the capacity of an axle for the disk 14 and therefore does not actually support the weight of the can and its contents but merely serves as a means for preventing separation of the attachment from the receptacle.

In the modified adaptation illustrated in Fig. 4 the disk 25 is illustrated as being of considerably lesser diameter than the can body and in this instance the same is eccentrically connected by a bolt 26 and the washers 27 with the bottom 28 of the receptacle

body 29 whereby the periphery of the disk extends beyond the periphery of the can body.

I claim:

5 1. The combination with a cylindrical receptacle, of means rotatably connected with the bottom thereof and disposed in a plane at substantially a right angle to the longitudinal axis of the receptacle whereby upon
10 movement of the same over its supporting surface in a tilted position, the said means will separate the receptacle from the ground and will have respectively a rolling contact with the ground and a sliding contact with
15 the bottom of said receptacle.

2. The combination with a cylindrical receptacle, of a disk like member rotatably mounted under the bottom thereof and in a plane substantially parallel to the bottom
20 whereby upon movement of the receptacle in a tilted position the said member will separate the bottom of the receptacle from the ground while the said member will have respectively a rolling contact with the ground
25 and sliding contact with the bottom of the receptacle.

3. An attachment for cylindrical receptacles comprising a member rotatably mounted under the bottom thereof and extending
30 laterally beyond the periphery at least one point whereby upon tilting and movement of the receptacle the said member will have rolling contact with the ground and sliding contact with the receptacle.

4. An attachment for receptacles of the 35 character described for facilitating the movement of the same over a supporting surface comprising a rotatable disk-like member mounted under the bottom of the receptacle and presenting a sliding surface to
40 the receptacle on one side and a rolling surface to the ground on the other side when the receptacle is moved in a tilted position.

5. The combination with a receptacle having a cylindrical body and a bottom spaced 45 inwardly from its lower end, of an attachment therefor for facilitating the movement of the receptacle over its supporting surface comprising a disk-like member rotatably mounted on the bottom of the receptacle
50 and underlying the lower peripheral edge of the body, and an annular upstanding flange on the disk-like member engageable with the under side of the bottom, the connection between the said disk-like member
55 and the bottom of the can permitting of a limited relative tilting of the member and the receptacle, as and for the purpose specified.

6. An attachment for receptacles of the 60 character described comprising means interposed between the receptacle and the supporting surface and rotatably carried by the bottom of said receptacle in a plane at right
65 angles to the longitudinal axis of the receptacle for facilitating the movement of the receptacle when in tilted position.

THEODORE BODDE.