April 8, 1930. J. K. BURLEIGH 1,753,500

CAN CLOSURE

Filed Aug. 24, 1927

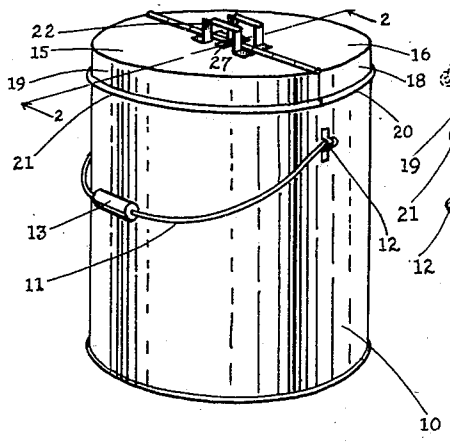


Fig. I

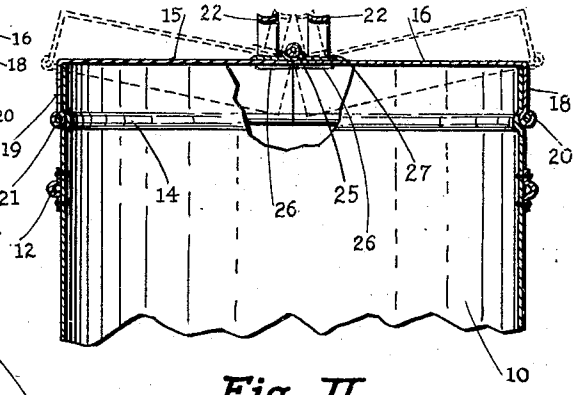


Fig II

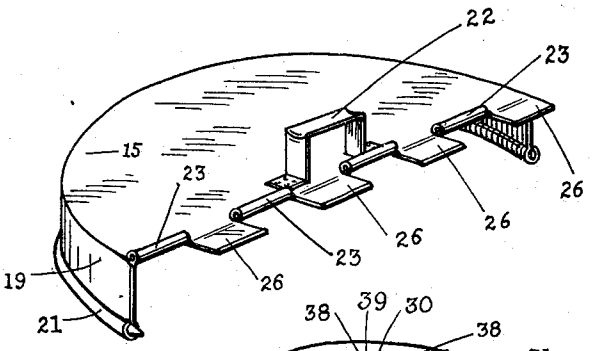


Fig III

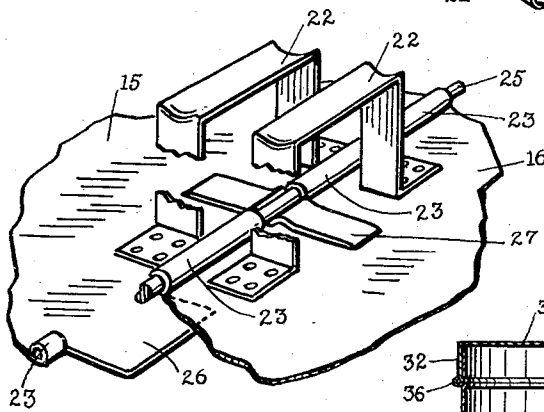


Fig IV

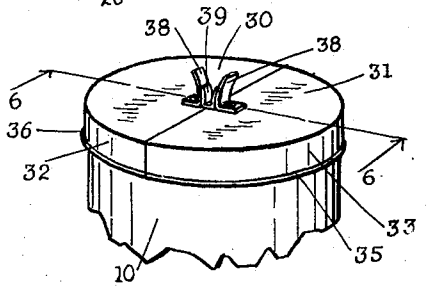


Fig. V

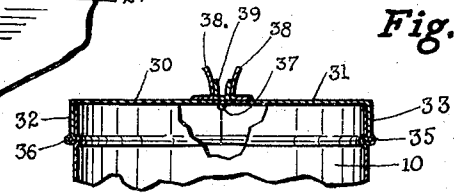


Fig VI

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Patented Apr. 8, 1930 1,753,500

UNITED STATES PATENT OFFICE

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CAN CLOSURE

Application filed August 24, 1927. Serial No. 215,178.

This invention relates to cylindrical tanks as used for ash and garbage receptacles and more particularly to the covers used in connection therewith.

In receptacles of this class it is usually desirable that the cover be sufficiently tight to prevent the entrance of insects and also the emanation of disagreeable odors which may arise from the contents.

It is equally necessary to have the cover so arranged as to be readily removable, preferably by one hand and without having to use undue force, either in the removal of the cover, or of holding down the container.

It is therefore one of the objects of the present invention to provide a cover comprised of two equal and substantially uniform sections hinged together in a straight line, diametrically across from side to side, each section having a separate handle arranged to be grasped as a unit giving an effective grip.

It is a further feature to produce a cover having a pronounced beading extending around its flanged lower edge, this beading being adapted to engage in a corresponding groove formed in the body of the receptacle.

Another purpose is to provide means, combined with the cover along the line of junction of its sections, which present a substantially complete closure when the cover is in operative position.

These and other objects such as simplicity, low-cost of construction and neatness of appearance, are attained by the novel design, construction and combination of parts hereinafter described and shown in the accompanying drawings forming a material part of this disclosure and in which:—

Fig. 1, is a perspective view showing a covered can as made in accordance with the invention.

Fig. 2, is an enlarged fragmentary longitudinal sectional view of the upper portion of a can showing the cover in operative position in full lines and in raised position in broken lines the section being taken on line 2—2 of Fig. 1.

Fig. 3, is a perspective view showing one of the sections of the cover prior to assemblage.

Fig. 4, is a perspective view showing the cover and handle construction.

Fig. 5, is a perspective view of the top of a can, with its cover having a modified form of grip or handle.

Fig. 6, is a transverse sectional view of the same taken on line 6—6 of Fig. 5.

Throughout the several views the numeral 10 designates a conventional type of cylindrical can which is understood to have a closed bottom and is provided with a bail 11, connected by ears 12 to the sides of the can, the bail having at its center a handle 13. In the present device an inreaching recess 14 may be formed circumferentially about the can, slightly below its upper edge, this recess constituting the only material difference between this and common types of cans.

The cover is composed of two equal elements 15 and 16 each being substantially semi-circular in outline and provided with flanges 18 and 19 terminating at their lower edges in distinctive beading 20 and 21, these beadings being adapted to engage within the inreaching recess 14 of the can.

Adjacent to the inner, straight edge of the cover sections is secured a loop-like raised handle 22, the arrangement being such that when these raised handles are pressed toward each other, the sides of the cover are caused to rise, their flanges clearing the groove 14 of the beadings 20 and 21 and allowing the cover to be removed by merely the expenditure of sufficient energy to raise the weight of the same.

On each section 15 and 16 of the cover, the inner adjacent edge is cut to form coiled rolls 23, the mating section having similar, but offset hinge coils 24 in mesh with those upon the opposite side and passing through the coils 23 and 24 is a rod 25 acting as a hinge pin.

Intermediate the coil portions 23 of the section 15, and correspondingly between the coiled portions 24 of the cover element 16, are extending flat members 26 and 27, to project below the mating cover section, thereby avoiding any possible opening which may exist between the two sections and forming substantially an air-tight covering for the can.

It is preferred that the inreaching element 26 and 27 be arranged in a manner so as to make contact with the arcuate sections and in no wise interfering with the pivotal movement of the cover sections upon their hinge.

In the modification shown in Figures 5 and 6 the cover is composed of sections 30 and 31 having flanges 32 and 33 respectively, each being provided with a beading 35 and 36 to enter the corresponding annular groove 14 in the can body.

In this construction a hinge pin 37 passes through the coils formed on the flat portions of the cover, at a point below its surfaces and each cover section is provided with clip handles 38, bent outwardly and having between them an inverted U-shaped spring 39 tending to hold the covers in operative position.

In this modified form, as in the other, by bringing the clips or handles towards each other the cover sections may be raised and thereafter removed from the can or replaced thereon at will.

Although the foregoing is generally descriptive of the preferred embodiment of the invention it will be understood that the same is subject to minor modifications such as would follow within the scope and spirit of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In combination with a can having an annular recess adjacent its open upper edge, of a cover composed of two like sections, hinge members connecting the cover sections, a beaded flange surrounding the sections, said flange adapted to engage within the can recess, means formed on each cover section adapted to engage within the can recess, and means formed on each cover section adapted to extend below the mating section between the hinge elements thereof.

2. The combination with a can, of a cover engageable over the can, said cover comprising a pair of similar semi-circular sections permanently hinged together at their inner adjacent edges, a pair of handles on said sections located on either side of said hinge and a plurality of interposed lugs formed on said adjacent edges intermediate the hinge members to make the cover substantially air-tight.

Signed in the city, county and State of New York, this 28th day of July, 1927.

JAMES K. BURLEIGH.