April 28, 1931. S. J. KIMBALL 1,802,947

ASH RECEPTACLE

Filed Oct. 4, 1928

Fig. 1

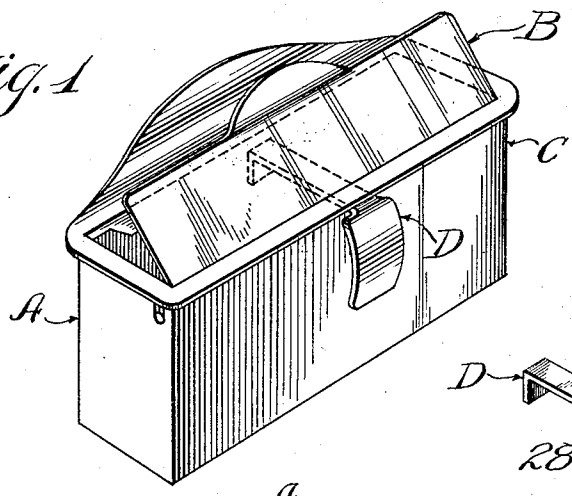


Fig. 6

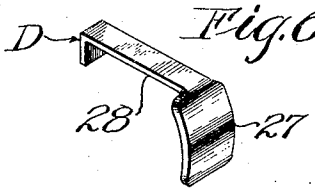


Fig. 2

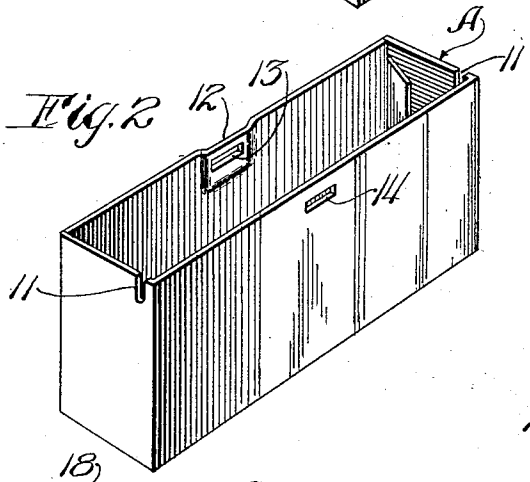


Fig. 3

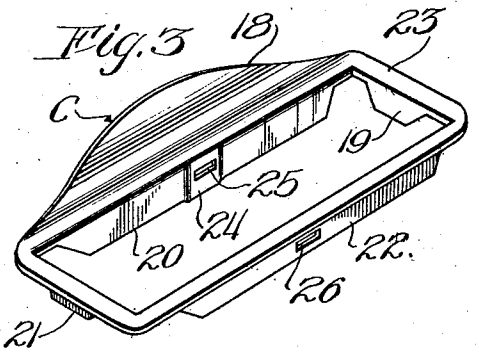


Fig. 5

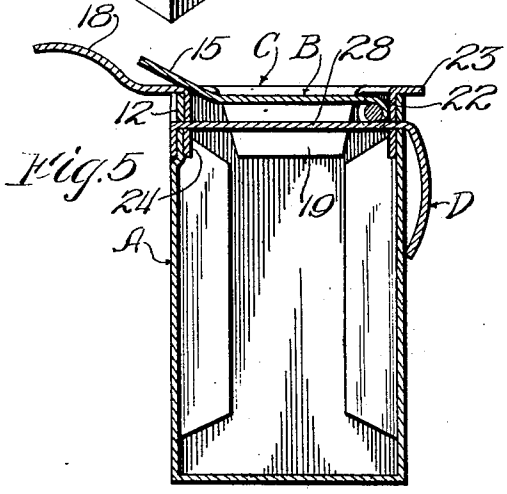
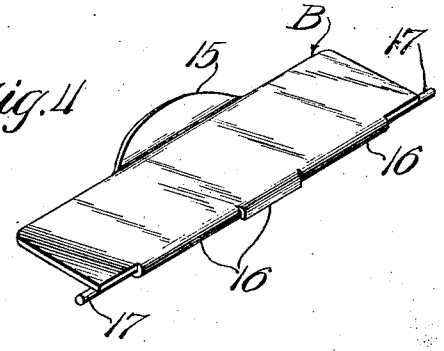


Fig. 4



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Attys.

Patented Apr. 28, 1931 1,802,947

UNITED STATES PATENT OFFICE

SAMUEL J. KIMBALL, OF ELGIN, ILLINOIS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO VAN SICKLEN CORPORATION, A CORPORATION OF DELAWARE

ASH RECEPTACLE

Application filed October 4, 1928. Serial No. 310,336.

This invention relates to ash receptacles and is unique in that it comprises an association of inter-relating parts assembled without the use of solder or other adhesive materials to form a rattle-proof receptacle which may be mounted in an interior wall of a vehicle.

An object of the invention is to provide an ash receptacle which is simple in construction and economical to manufacture.

A further object is to provide such a receptacle with a unique cover which, co-acting with a member having other functions, will lock in open and closed positions.

Another object is the provision of such a receptacle provided with novel means for frictionally holding said receptacle within a wall casing.

These and other objects will appear as the specification proceeds.

In the accompanying drawings,

Fig. 1 is a plan view of an embodiment of my invention fully assembled;

Fig. 2 is a plan view of the ash receptacle without its associated parts;

Fig. 3 is a plan view of a disassembled top section;

Fig. 4 is a plan view of the hinged cover; and

Fig. 5 is a cross-sectional view on the line 5—5 of Fig. 1.

Fig. 6 is a perspective view of the cross bar tying member.

In the embodiment illustrated, my invention consists of a metallic receptacle A which is preferably formed in one piece but which may be assembled by soldering or welding the sides, ends and bottom together to form a rectangularly shaped box. Aligned slots 11 are cut in the ends near one of the sides of said receptacle and an indent 12 is pressed in the rear wall thereof which extends to the upper edge, said indented portion having a longitudinally extending slot 13 punched therein. An aligned longitudinally extending slot 14 is punched in the front wall of said receptacle at a point equi-distant from the ends thereof a short distance below the upper edge.

A cover B is provided of approximately the same length and width as the interior length and width of the opening of the receptacle A. The cover B has an upturned lip 15 which facilitates the raising of said cover when it is assembled on the receptacle A. In the forming of the cover B one of the edges thereof is punched to provide three outstanding lugs 16, the outer two lugs being inturned around a pin 17 to form a hinge. The pin 17 is sufficiently long to extend a short distance beyond each end of the cover and is aligned with the hinged edge thereof. The centrally located lug is bent downward at an angle of approximately 90° and its function will be explained hereafter.

An ornamental top and aligning member C is provided having a curved lip 18 extending therefrom to facilitate the removal of the receptacle from the wall of the vehicle to which it is attached. Member C has inturned flanges 19, 20, 21 and 22 which are adapted to frictionally fit or be secured as by spot welding against the interior side walls of the receptacle A, the rim portion 23 limiting the distance the flanges extend into said receptacle. An indent 24 is formed in the flange 20 equi-distant from the ends thereof and a longitudinally extending slot 25 is punched in the indented portion of flange 20 at a point equi-distant from the top and bottom thereof. A corresponding longitudinally extending slot 26 is punched in the opposite flange 22.

A metallic tie and spring member D is provided which, when assembled in the receptacle, functions to tie the associated parts thereof together in such a manner as to prevent their rattling, etc. The member D has an enlarged head 27 which is bent at an angle of 90° from its extension 28 and is so curved as to permit it to function as a spring friction device, which function will be explained hereafter.

In the assembly of the component parts of the receptacle the cover B is placed over the open end of the receptacle A and the projecting ends of the pin 17 are dropped in the slots 11. The cover B is then held in open position and the ornamental top member C is slipped thereover and the inturned flanges thereof are forced into the open end of said

receptacle and press against the inner walls thereof, thus forming a friction fit, the distance the flanges extend in the receptacle being limited by the out-turned rim 23 thereof. In positioning the top member on the receptacle the indents 24 on the top member and 12 on the receptacle will align, thus causing the slots 13 and 14 in the receptacle and slots 25 and 26 in the top member to also align, whereupon the extension 28 on the tie and spring member is inserted through the aligned slots on the hinged side of the receptacle under the hinged cover and through the aligned slots in the opposite side. The end of the extension 28 is then bent downwardly, thus securely locking the component parts together. Inasmuch as the bent-over projecting end of the extension 28 lies within the indent 12, a smooth side is presented whereby the receptacle may be slipped into a similar-sized pocket without undue friction.

As may be seen from the above description and drawings, upon the insertion of the tie member D under the cover the centrally located, down-turned lug 16 will contact with the extension thereof, whereupon the hinged portion of the cover will be raised until the projecting ends of the hinge 17 contact with the narrowed portion of the flanges 19 and 21, where the said hinge will be held in frictional engagement. Sufficient tension is exerted by the extension 28 on the central lug 16 to cause the cover to be frictionally held in closed position and when the said cover is raised the resilient extension 28 will follow the turning of the central lug 16 and cause the cover to stand in the open position.

The tie member D serves a triple function—that of tying the component parts together to form an anti-rattle assembly, as a friction means to hold the cover in open and closed position and also the extension 28 extending through the receptacle may be used to knock the ashes from a cigar or cigarette.

When the cover is in the closed position the lip 15 thereof bears against the edge formed by the bending inwardly of the flange 20, thus forming a stop.

In my co-pending application for an ash receptacle, filed July 16, 1928, Serial No. 293,187, I disclose a cup-shaped shell which is adapted to be mounted in the interior wall of a vehicle so as to be flush therewith and which is so constructed as to support a removable ash receptacle. The ash receptacle herein described is adapted to be used with such a shell and the curved head 27 of the member D which bears against one side of the receptacle A functions as a spring friction member to prevent the ash receptacle from rattling when placed within the shell. It will be obvious, however, that my device may be used readily with any suitable container.

Having thus described my invention, what I claim is new and desire to secure by Letters Patent of the United States, is:

An ash receptacle comprising a receiver having an aperture in a side thereof and an indent in the opposite side provided with an aperture therein, a top member having depending flanges receivable in said receiver, said depending flange having an aperture therein corresponding to the first mentioned aperture in said receiver, another said flange having an indent and an aperture therein corresponding to said indent and aperture in the side of said receiver, and a tie member extending through said apertures in said receiver sides and said flanges and having an end formed to lie in the indent in said receiver flush with the side thereof and having its other end formed as a resilient receiver retaining member.

In witness whereof, I hereunto subscribe my name this 28th day of September, 1928.

SAMUEL J. KIMBALL.