Nov. 8, 1932. C. D. KNIFFIN 1,886,406

SANITARY GARBAGE CAN LINER

Filed Jan. 31, 1930

Fig. 1.

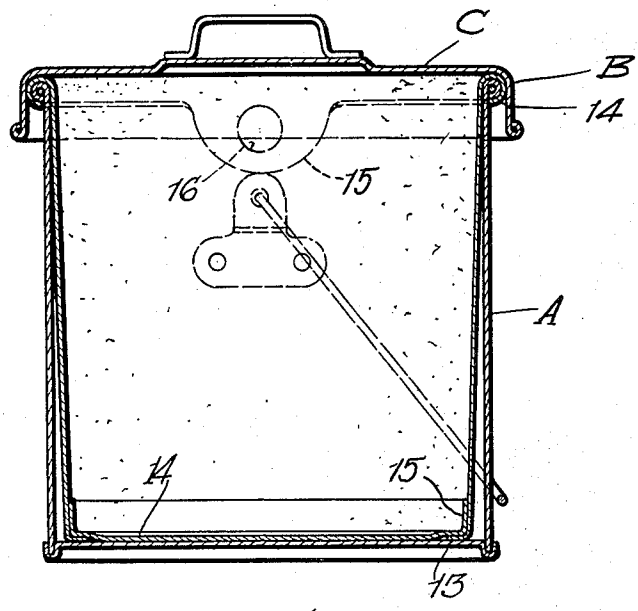


Fig. 2.

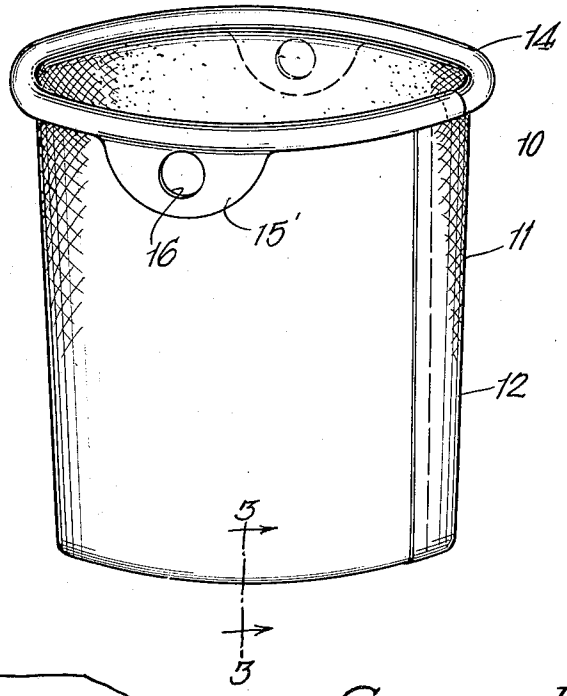
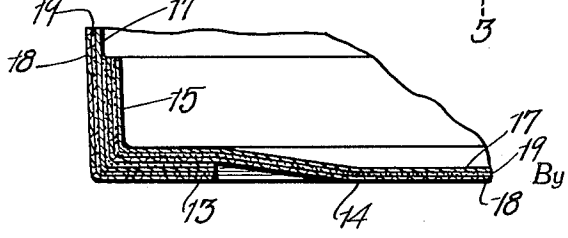


Fig. 3.



Inventor

CHARLES D. KNIFFIN

By Clarence A. O'Brien

Attorney

Patented Nov. 8, 1932 1,886,406

UNITED STATES PATENT OFFICE

CHARLES D. KNIFFIN, OF MIDDLETOWN, NEW YORK

SANITARY GARBAGE CAN LINER

Application filed January 31, 1930. Serial No. 424,930.

This invention relates to improvements in sanitary garbage can liners.

The primary object of the invention resides in a liner for insertion into a garbage can and other like refuse holders for receiving any garbage or refuse placed therein, and which maintains the interior of the can in a clean and sanitary condition.

Another object of the invention is to provide a can liner which is provided with an annular flange for overlying the rim of the can for preventing accidental passage of refuse between the walls of the can and the walls of the liners when depositing refuse into the can.

A further object is the provision of a garbage can liner which is provided with a pair of opposed hand grips extending exteriorly of the can when the liner is in use, and by which the liner and its contents may be easily removed from the can without the hand coming in contact therewith.

A still further object is to provide a sanitary can liner which is constructed of a waterproof material treated with a disinfectant and in which the seams are closed by a waterproof cement, whereby the liner is made waterproof so that liquid as well as solid may be deposited into the liner without fear of the walls of the liner becoming weakened which would result in the breaking of the liner when lifting the same from the can.

With these and other objects in view, the invention resides in the certain novel construction, combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claim, and are illustrated in the accompanying drawing, in which:

Figure 1 is a vertical longitudinal sectional view through a garbage can showing my improved liner in position therein.

Figure 2 is a perspective view of the liner per se.

Figure 3 is an enlarged vertical detail sectional view on the line 3—3 of Figure 2.

Referring to the drawing by reference character, the numeral 10 designates my improved liner in its entirety and which includes a body 11 open at its top and closed at its bottom. The body 11 includes an annular wall 12, the meeting edges overlapping as shown in Figure 2 and secured together by a waterproof adhesive so as to render the seam water tight. The bottom of the side wall 12 is bent inwardly to provide a horizontal flange 13, which flange underlies the bottom wall 14, which is provided with an upturned flange 15, the latter abutting the inner side of the annular side wall 12. The bottom 14 is secured through the side wall by a waterproof adhesive so as to render the joint therebetween watertight to prevent any liquid leakage of liquids through the joint.

The top edge or rim of the body 11 is bent outwardly and curved downwardly to provide a flange 14, while depending from the flange 14 at diametrically opposite points are tabs 15 having openings 16 therein and which serve as finger grips for a purpose to be presently explained. The flange 14 and tabs 15′ are coated with a stiffening material such as shellac to reinforce the same and to cause the same to retain its set position.

The liner 10 is constructed of a waterproof material such as is shown in Figure 3 of the drawing wherein I provide an inner layer of relatively heavy paper 17, an outer layer of burlap 18 or other reinforcing material, and an intermediate layer of tar 19 or other waterproofing material. By constructing the side walls and bottom of a material such as that just described, the liner is made watertight so as to withstand any liquids deposited into the liner.

I prefer to make the side walls of the liner taper from top to bottom so as to facilitate the easy insertion of the same into a can and to also permit nesting of a plurality of liners one within the other for storage and shipping purposes.

In Figure 1 of the drawing I have shown a conventional form of garbage can A which is provided at its open top with the usual bead B. The liner 10 is inserted into the can A so that the flange 14 overlies the bead B, thus providing a seal between the walls of the can and the liner to prevent the accidental dropping of refuse into the can when emptying the same into the liner. The

flange 14 does not interfere with the placing of the cover C onto the open top of the can and by reason that the curved flange 14 engages the annular rim or bead B, the liner will not be pulled when the cover C is removed.

Assuming that it is desired to remove the liner 10 from the can A, it is only necessary for the operation to insert the fingers of the hand to the finger openings 16 of the tabs 15 and lift upwardly upon the liner and by reason of the fact that the liner is of waterproof material, the walls of the same will not be weakened by any liquids which may have been emptied into the liner.

For sanitary reasons, I prefer to treat the paper 17 with a disinfectant such as a carbolic acid solution or the like. By constructing the liner of an inflammable material, the same will assist in burning the refuse when the same is placed in an incinerator.

What is claimed as new is:

In a liner of the type adapted for insertion into garbage cans having beaded upper ends, a flexible tapered body having the upper portion thereof provided with a continuous relatively stiff outwardly and downwardly curved flange to closely embrace the bead of a can and thereby hold the body in place, the flange being provided with oppositely located depending apertured tabs formed integral therewith and adapted to be positioned exteriorly of the can along opposite sides thereof at a point below the top of the can.

In testimony whereof I affix my signature.

CHARLES D. KNIFFIN.