

Jan. 6, 1948.

J. C. FOREMAN

2,433,945

GARBAGE CAN LINER

Filed Oct. 22, 1946

Fig. 1.

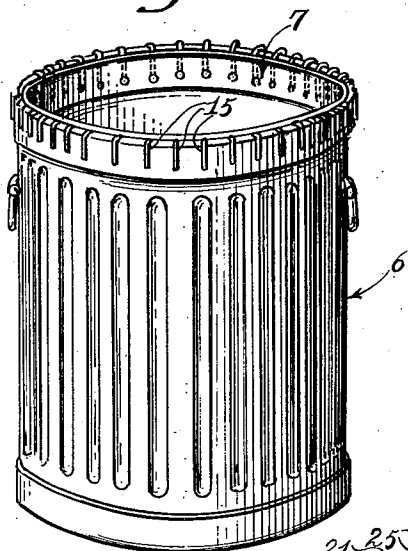


Fig. 2.

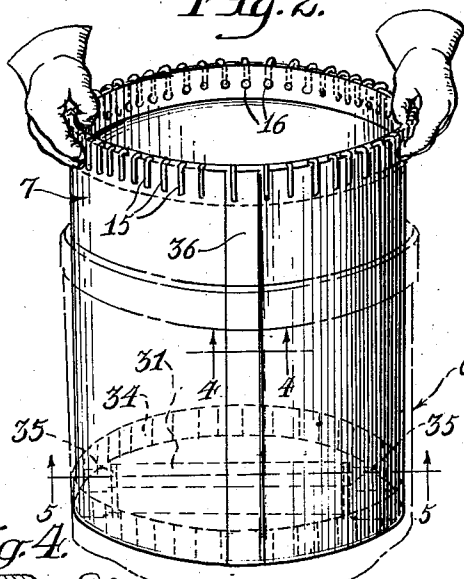


Fig. 4.

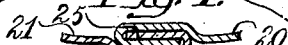


Fig. 3.

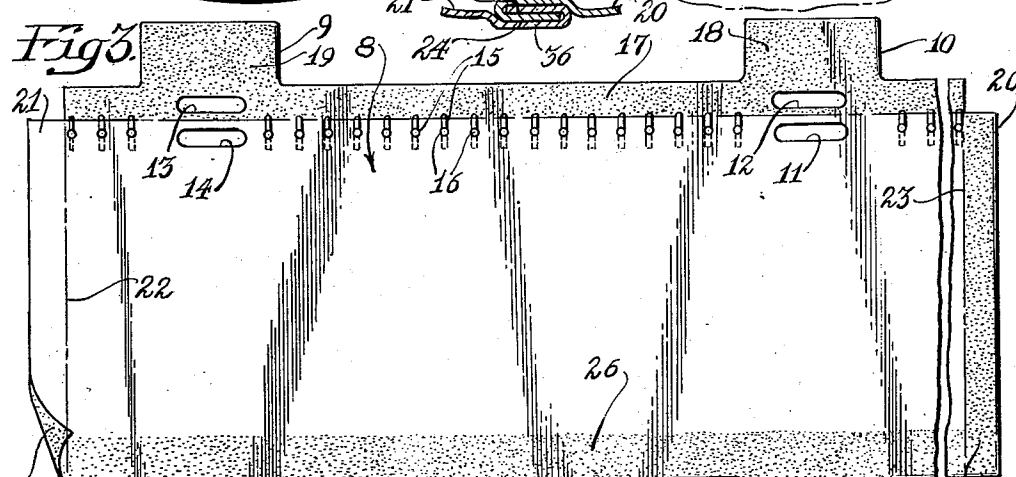
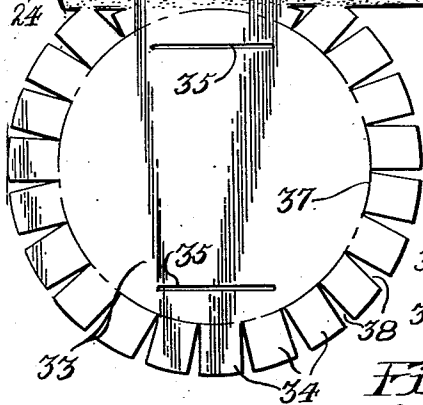
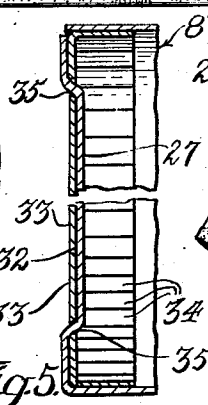
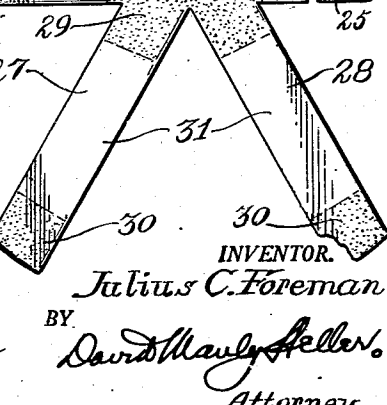


Fig. 5.



INVENTOR.

Julius C. Foreman
BY David M. Heller.
Attorney

UNITED STATES PATENT OFFICE

2,433,945

GARBAGE CAN LINER

Julius C. Foreman, Chicago, Ill.

Application October 22, 1946, Serial No. 704,847

5 Claims. (Cl. 220-65)

1

My invention relates to garbage can liners, having the following advantages; namely, that they are made of paper, or other material, economical to manufacture. The said liners will be reinforced by the garbage can itself, and will confine all the garbage and materials subjected to putrefaction, simultaneously confining the odors, and maintaining the garbage can clean at all times, and free of objectionable odors. The said liners may be disposed of, together with the garbage in the garbage collection trucks, or they may be used several times before final disposition thereof is made.

An important object of my invention is to provide a garbage can liner made of a blank of paper, or cardboard material, providing suitable reinforcement thereto, by an over-lapping, locking seam, longitudinally thereof, a reinforced bottom structure secured therein, and suitable manipulating hand holes for manipulating, and handling the liner when assembling, or removing it from the garbage can, with which it is associated.

Another object of my invention is to provide a garbage can liner of the aforementioned character, which has a multiplicity of hook elements, so as to permit the same to be readily hung over the top edges of the opening in a garbage can.

Another object of my invention is to provide a garbage can liner of the aforementioned character, which is simple in construction, practical, and efficient for the purposes for which it is purported to be used, and of such elemental construction as to warrant economical manufacture thereof in quantity production.

Other features, ancillary objects, and advantages, inherent in my invention, will become readily apparent from an examination of the accompanying drawings, which bear further elucidation in the ensuing description, wherein like numerals designate like parts, and in which,

Fig. 1 is a perspective view of a garbage can with my invention, namely, the garbage can liner assembled therein, ready for receiving the disposable garbage material therein.

Fig. 2 is a perspective view showing the method of insertion, or removal of the liner with respect to the garbage can.

Fig. 3 is a development showing the blank necessary for the production of a garbage can liner, in accordance with the teachings, and practices, to be expounded hereinafter as the attributes, and novel improvements resident in my invention.

2

Fig. 4 is a cross-sectional view taken, substantially, on the lines 4-4 of Fig. 2.

Fig. 5 is a cross-sectional view taken substantially on the lines 5-5 of Fig. 2, the said view having been orientated 90°, in order to facilitate depiction thereof within the space limitations of the drawing.

Referring to the various views, my invention is generally designated 7, and is adapted to fit removably, and hang over the top lips, or edges of a garbage can 6.

The garbage can liner is made from a blank, generally designated 8, which is cut out to the configuration indicated in Fig. 3, and thus provides two tabs, 9 and 10, a top edge 17, which is gummed, as well as the tabs, 9 and 10, which are gummed at 18 and 19.

Along the top edge, I also provide a line where the top edge 17, and the tabs 9 and 10 are to be folded over, to provide a suitable reinforcing top edge, at the same time retaining therein, the hook element 15, made of suitable wire material, each having a peened over-end 16 which is enlarged, so as to retain in rigid assemblage the hooks 15, when the reinforcement edge 17 is folded over and glued on the face of the blank.

Dual hand holes, 11 and 12, and 13 and 14, are provided equally demarcated from the fold line, so that they will be congruent, and in superimposition when the top 17, is folded over, and thus furnish suitably reinforced hand holes for manipulation of the garbage can liner.

The tabs 20 and 21 are provided with gummed surfaces 25 on the top of tab 20, whereas the tab 21 is gummed at its bottom surface 24, in order to permit of assemblage, forming the seamed joint 36, illustrated in Fig. 2 and in the cross-sectional view, Fig. 4.

The tabs 20 and 21 are bent on the lines 22 and 23, respectively, one being bent backward, the other being bent forward, in order to provide the lock-seam arrangement 36 heretofore mentioned. The bottom 33 has a circular fold-line 37 at the root of a multiplicity of tabs 34, which are interspaced from one another by virtue of the cut-out portions 38, so that the said tabs 34 may be bent to upright position, on the circular fold-line 37, and be cemented to the glued portion indicated at 26.

The angular straps 27 and 28, are provided with partially glued portions 29, and 30, at the top surface. The intervening space 31 being covered with mucilage, or binder underneath, or on the under-surface thereof, as indicated at 32, Fig. 5 in order to permit of an interlacing connection

3

into one of the openings 35, and out of the other opening 35, so as to provide a special reinforcement for the bottom structure of the garbage can liner.

Thus, it can be seen that I have provided a garbage can liner which is cheap, and economical to manufacture, which is useful for the purposes for which it is destined to be used, and which can be manufactured economically.

It will be understood that the form of the invention herein depicted and described is purely illustrative, and that other shapes and forms may be made up without departing from the spirit and scope of my invention. Therefore, the embodiments of my invention hereinabove described should not be considered as limiting the scope of the appended claims.

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

1. A garbage can liner comprising, a paper body having an open and reinforced top portion provided with slotted portion for the hands to engage for assembly to and removal from a garbage can, a longitudinal lock-seam reinforcing the said body, a liner bottom portion having tab portions secured internally of the said body at the bottom portion thereof and provided with two slotted portions, a pair of strap portions formed integrally with the bottom portion of the said body and interlaced through the said slotted portions to reinforce the said liner bottom portion, and a series of hanging hooks confined by the said reinforced top portion exposing hanging portions of the said hooks adapted to rest on the top edge of a garbage can when in assembly therewith.

2. A garbage can liner comprising, a paper body having an open and reinforced top portion provided with slotted portions for the hands to engage for assembly to and removal from a garbage can, a longitudinal lock-seam reinforcing the said body, a liner bottom portion having tab portions secured internally of the said body at the bottom portion thereof and provided with two slotted portions, a pair of strap portions formed integrally with the bottom portion of the said body and interlaced through the said slotted portions to reinforce the said liner bottom portion, and a series of hanging hooks confined by the said reinforced top portion exposing hanging portions of the said hooks adapted to rest on the top edge of a garbage can when in assembly therewith, the said top portion being reinforced by folding and overlapping the same.

3. A garbage can liner comprising, a paper body having an open and reinforced top portion provided with slotted portions for the hands to engage for assembly to and removal from a garbage can, a longitudinal lock-seam reinforcing the said body, a liner bottom portion having tab portions secured internally of the said body at the bottom portion thereof and provided with two slotted portions, a pair of strap portions formed integrally with the bottom portion of the said body and interlaced through the said slotted portions to reinforce the said liner bot-

4

tom portion, and a series of hanging hooks confined by the said reinforced top portion exposing hanging portions of the said hooks adapted to rest on the top edge of a garbage can when in assembly therewith, the said lock seam being formed by bending side flaps of the said body in opposed directions and interlocking and cementing the same.

4. A garbage can liner comprising, a paper body having an open and reinforced top portion provided with slotted portions for the hands to engage for assembly to and removal from a garbage can, a longitudinal lock-seam reinforcing the said body, a liner bottom portion having tab portions secured internally of the said body at the bottom portion thereof and provided with two slotted portions, a pair of strap portions formed integrally with the bottom portion of the said body and interlaced through the said slotted portions to reinforce the said liner bottom portion, and a series of hanging hooks confined by the said reinforced top portion exposing hanging portions of the said hooks adapted to rest on the top edge of a garbage can when in assembly therewith, the said top portion being reinforced by folding and overlapping the same, the said lock seam being formed by bending side flaps of the said body in opposed directions and interlocking and cementing the same.

5. A garbage can liner comprising, a paper body having an open and reinforced top portion provided with slotted portions for the hands to engage for assembly to and removal from a garbage can, a longitudinal lock-seam reinforcing the said body, a liner bottom portion having tab portions secured internally of the said body at the bottom portion thereof and provided with two slotted portions, a pair of strap portions formed integrally with the bottom portion of the said body and interlaced through the said slotted portions to reinforce the said liner bottom portion, and a series of hanging hooks confined by the said reinforced top portion exposing hanging portions of the said hooks adapted to rest on the top edge of a garbage can when in assembly therewith, the said top portion being reinforced by folding and overlapping the same, the said lock seam being formed by bending side flaps of the said body in opposed directions and interlocking and cementing the same, the said side flaps being coated with cementitious composition on opposed surfaces.

JULIUS C. FOREMAN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,009,463	Bloomer	Nov. 21, 1911
2,189,436	Rosenfield	Feb. 6, 1940
1,295,418	Bohlman	Feb. 25, 1919

FOREIGN PATENTS

Number	Country	Date
20,676	Great Britain	1898