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E. R. WERDIN
GARBAGE CAN LINER
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Fig. 1.

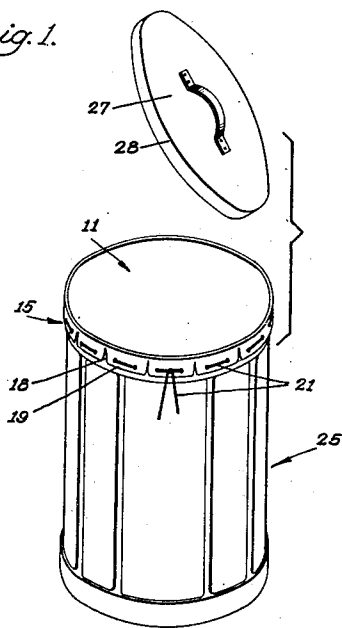


Fig. 2.

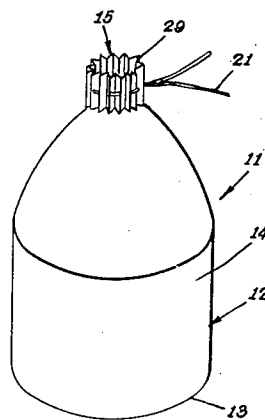


Fig. 3.

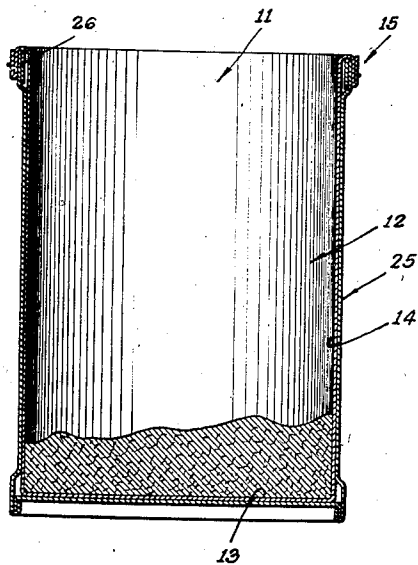
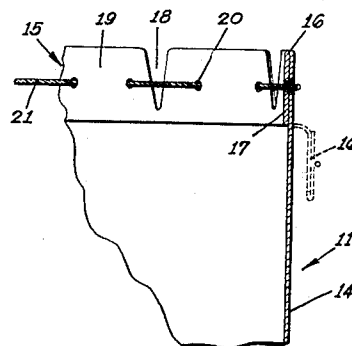


Fig. 4.



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UNITED STATES PATENT OFFICE

2,159,192

GARBAGE CAN LINER

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Application November 27, 1935, Serial No. 51,844

1 Claim. (Cl. 220-65)

My invention relates to a flexible bag preferably made of paper which may be used as a liner for a garbage can and when closed by tying the neck of the bag the liner may be used as a bag for transporting garbage for its disposal.

An object and feature of my invention is forming a bag of flexible material such as paper of the proper size and shape to fit a cylindrical garbage can, and at the upper edge I provide for folding the paper outwardly. This involves constructing a neck strip or band with notches forming indentations, and through the portions of the neck band I thread a string or cord. This neck band, after insertion of the liner in the can, may be folded outwardly and by tightening the cord may be securely fastened to the outside of the upper edge of the garbage can.

A further feature of my invention is that when the neck band is turned upwardly the cord may be contracted and thus pull the neck band inwardly in a series of folds and form a closure for the upper end of the liner.

My invention is illustrated in connection with the accompanying drawing in which Figure 1 is a perspective view of a garbage can illustrating my invention attached thereto.

Fig. 2 is a perspective view of the liner with the neck drawn inwardly.

Fig. 3 is a vertical section through the can and the liner attached to the can.

Fig. 4 is a partial vertical section of the liner showing the manner of folding the neck band.

In my invention the liner designated by the numeral 11 is formed into a bag structure 12 having a bottom 13 and a cylindrical side wall 14. This is preferably made of paper and so shaped to fit snugly in a garbage can. The upper edge of the side walls has a neck band construction 15. This is made by providing a reverse fold 16 in the upper portion of the side walls of the bag, bending the upper portion downwardly as indicated at 17, thus forming concentric neck band strips of double thickness.

This neck band is provided with a series of notches or indentations 18, these being shown as somewhat V-shaped, leaving strip sections 19 between the notches, and in these strip sections there are perforations 20 through which is threaded a cord 21.

In using my invention a garbage can as indicated by the numeral 25 in which the side walls are provided with a substantial rim 26 at the upper edge. After insertion of the bag in the can the neck band 15 may be folded outwardly as indicated in Fig. 3 or by the dotted lines in Fig. 4. The cord may then be drawn tight and tied, thereby securing the bag to the can. The can

cover 27 may be placed over the open end of the can, the rim 28 of the cover fitting over the down-turned neck band of the bag. When it is desired to remove the bag or liner from the can the neck band is turned upwardly from the dotted line position of Fig. 4 to the full line position. The cord may then be drawn tight, forming a series of folds indicated at 29, Fig. 2, in the neck, and thus in effect pulling in the neck, and when the cord is tight the liner with the garbage therein may be tightly closed and the bag removed from the can for disposal of the garbage or refuse material.

For most purposes it is preferable that the bag be made of moisture proof material, for instance, if made of paper such may be oiled or waxed paper or other equivalent material. Also, if made of fabric, the fabric should preferably be moistureproof. It will be appreciated that my invention comprehends a liner for various receptacles which has the function of being useable as a container for various articles after removal of the liner from the receptacle. It may thus be used, for instance, in hospital work for reception of bandages, dressings or any other waste in which it is desired to be disposed in a sanitary manner of various articles. It will be seen, therefore, that such articles or materials may be deposited in the liner while attached to a suitable receptacle, and then, without touch or contact with the material deposited in the liner, the liner may be removed from the receptacle and tied to form a closure, hence the liner now in the form of a bag with its contents may be disposed of in a sanitary manner.

Various changes may be made in the details of construction without departing from the spirit or scope of the invention as defined by the appended claim:

I claim:

In a device as described, a flexible bag having a neck band formed by at least one fold in the upper end of the bag, the neck band portion having longitudinal notches, said notches terminating spaced from the lower edge of the folded over portion of the neck of the bag, the portion of the neck band between the notches having perforations and a cord extended therethrough, the neck band portion being adapted to fold outwardly and the cord to be drawn tight to attach the neck band portion to the rim of a garbage can or the neck band portion being adapted to align with the sides of the bag and to be tightened to form a closure at the neck of the bag, the said notches being adapted to facilitate folding of the neck band.

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