Nov. 3, 1942. G. T. FIELDING 2,301,032

REFUSE RECEPTACLE

Filed Sept. 20, 1940

Fig. 1.

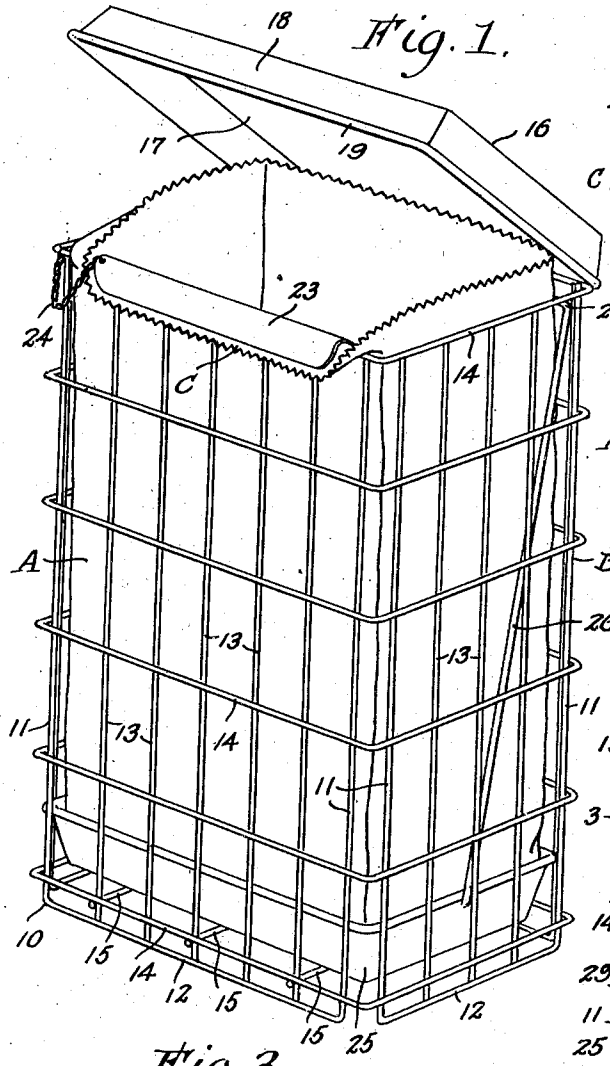


Fig. 2.

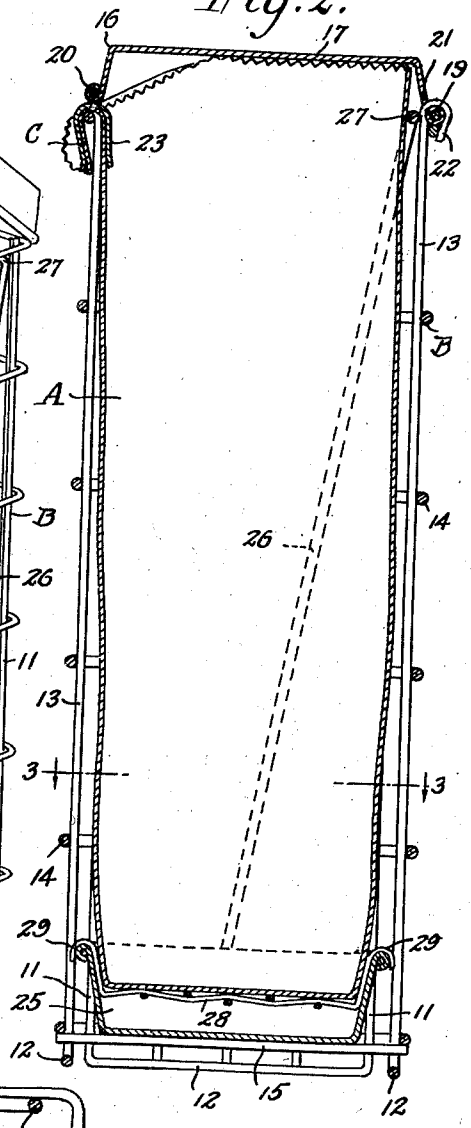
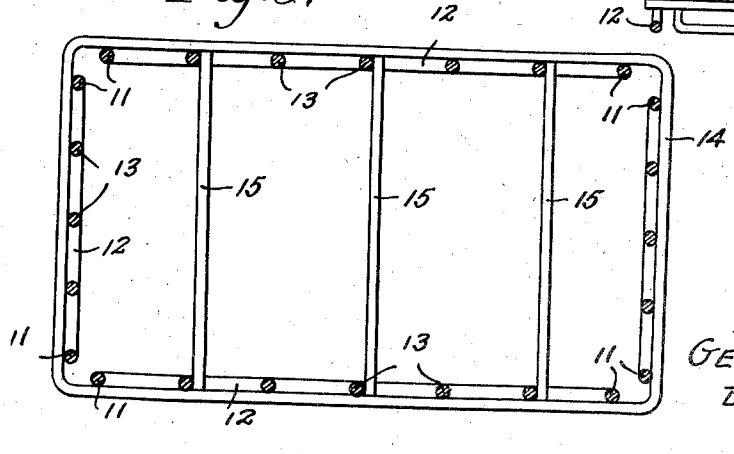


Fig. 3.



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REFUSE RECEPTACLE

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Application September 20, 1940, Serial No. 357,526

2 Claims. (Cl. 220—17)

This invention relates to receptacles for refuse and comprehends a foraminated or reticulated holder for displaceably retaining a disposable bag or the like in an upright open condition so as to receive the refuse and permit of the rapid evaporation and drying of any refuse moisture which permeates the bag so as to prevent weakening of the bag structure.

The invention is directed more particularly to a bag holder of the indicated character which is provided with means for releasably clamping an edge of the bag mouth to the upper edge of the holder so as to retain the same in an upright opened condition, together with a cover provided on the holder which when closed cooperates with the bag mouth to effectively close the same during the period while it is in the holder.

As a further feature the invention contemplates a bag holder provided with a removable tray within which the bottom of the bag is arranged to prevent any liquid content of the refuse from leaking onto the floor and to further serve as a means for lifting the filled bag from the holder especially when the bag bottom has become soggy from the moisture in the refuse.

Other objects of the invention reside in the provision of a refuse receptacle which is sanitary and obviates cleansing and one which is comparatively simple in its construction and inexpensive to produce.

With the above enumerated and other objects in view, the invention is set forth in greater detail in the following specification and illustrated in the accompanying drawing in which:

Fig. 1 is a perspective view of a refuse receptacle constructed in accordance with the invention and illustrating the cover in partially raised condition.

Fig. 2 is a vertical sectional view therethrough on a slightly enlarged scale.

Fig. 3 is a horizontal sectional view taken approximately on the line 3—3 of Fig. 2 with the bag and tray removed therefrom.

Referring to the drawing by characters of reference, A designates a disposable container which is preferably in the form of a conventional paperbag. A holder, designated generally by the reference character B, is provided for displaceably retaining the bag in an upright opened condition to receive the refuse and said holder is essentially of a foraminated, reticulated or other equivalent open work structure so as to permit of a circulation of air around the bag and a consequent rapid evaporation and drying of any refuse moisture which permeates the bag to thereby prevent weakening of the bag structure.

As illustrated, the holder B is made up of bottom, rear, front and side walls, the front, rear and side walls each including substantially U-shaped wires 10 having vertical leads 11 joined by a lower lead or bight 12 and spaced parallel vertical intermediate wires 13 attached to the lower connecting lead or bight 12 and extending vertically upward therefrom. The front, rear and side walls are connected together in a rectangular arrangement by horizontally disposed vertically spaced rectangular frame wires 14 arranged in surrounding relation to said walls and disposed exterior thereof, the uppermost frame wire 14 connecting the upper terminals of the U-shaped wires 10 and the upper terminals of the intermediate wires 13. The bottom wall is formed by a plurality of horizontally disposed wires 15 which are connected to and extend forwardly and rearwardly from the front and rear leads of the frame wires 14 at the intersection of the vertical wires 13 therewith. Thus fabricated the holder is designed to rest on the connecting leads or bights 12 with the bottom wall spaced thereabove and provides a receiver of reticulated, foraminated or open work formation, the inside of which holder is provided with vertically extending wire leads which facilitate the vertical sliding movement of the bag when emplacing the same within or removing the same from the holder, thus avoiding any horizontal obstructions to the vertical sliding movement.

The holder is provided with a cover 16 which is of inverted pan-shaped formation and includes an upper panel 17 of sheet material having depending marginal flanges 18, the lower edges of which conform generally to the size and shape of the uppermost horizontal frame wire 14. The lower edges 19 of the flanges 18 are preferably rolled around a reenforcing wire 20 and the cover may be hinged to the holder as illustrated by extending certain of the vertical rear wall frame wires 13 upwardly above the frame wire 14 and reversely bending the same through slots 21 in the rear flange 18 and thence around the rolled bead 19 to form hinge extensions 22.

The bag is supported in upright opened condition within the holder by means of an inverted U-shaped clip 23 which removably clamps the forward upper edge C of the bag mouth over the upper edge of the body of the holder leaving the

remaining rear and side edges of the bag mouth in an upstanding condition to lie within the cover 16. The clip is suitably anchored to the body of the holder for removably associating the clip with the bag edge and as illustrated, the anchoring means consists of a flexible element or chain 24.

While the bottom of the bag may be positioned within the holder to rest upon the wires 15 which constitute the bottom of the holder, a removable tray 25 is preferably employed which is located within the holder and normally rests upon the wires 15. The tray is provided with an upstanding bail 26 which is inclined rearwardly so that its upper connecting lead or bight portion 27 is normally disposed adjacent the rear wall and out of the way of the bag A. The tray 25 is adapted to receive the bottom of the bag so as to prevent any liquid content of the refuse from leaking onto the floor and to serve as a means for lifting the filled bag from the holder B particularly when the bag bottom becomes soggy.

In certain instances it may be found desirable to employ, in connection with the tray 25, suitable means for supporting the bottom of the bag A above the bottom of the tray so as to dispose the bag bottom above and out of contact with any refuse liquid which drains from the bag into the tray. The means, as shown, consists of an open work or wire mesh platform 28 disposed horizontally within the tray and, as illustrated, supported from the upper marginal edge by upstanding hooked arms 29.

What is claimed is:

1. A refuse receptacle comprising a disposable bag and a holder therefor including a reticulated body having bottom, rear, front and side walls, a solid cover for said body having a depending marginal flange and hingedly connected to the upper edge of the rear wall thereof, a U-shaped clip attached to the holder body and adapted to removably clamp an edge of the bag mouth in folded over relation to an upper edge of the body, and an imperforate tray supported upon the bottom wall of the holder and having therein a foraminous support spaced from the bottom of said tray within which the bottom of the bag is arranged, said tray having an upstanding inverted U-shaped bail providing a handle for effecting the removal of the tray and bag from the holder, the vertical leg portions of the bail being secured to opposite sides of the tray and extending at an inclination so that the legs straddle the bag and the upper connecting portion of the bail is disposed exetriorly of a wall of the bag.

2. A refuse receptacle including a disposable bag, a holder therefor of open work construction, a removable imperforate tray arranged within the lower portion of the body for receiving the bottom of the bag, a bail secured to and extending upwardly at an inclination from the tray to provide means for facilitating the lifting of the bag and its contents from within the body, and a foraminous element carried by said tray and spaced from the bottom thereof for supporting the bottom of the bag in spaced relation to and above the bottom of the tray to hold the bottom of the bag out of contact with liquid drainage collected in the tray.

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