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GARBAGE RETAINER

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FIG. 1

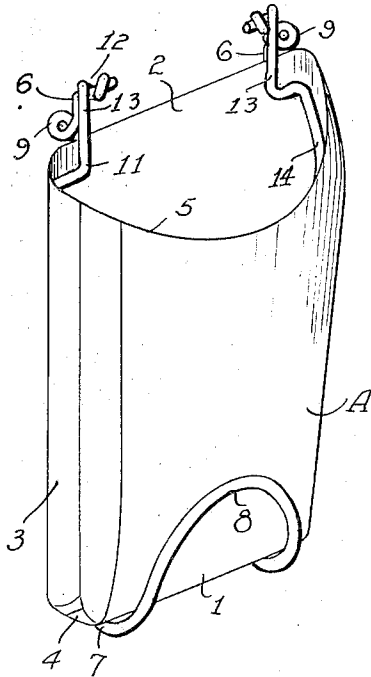


FIG. 2

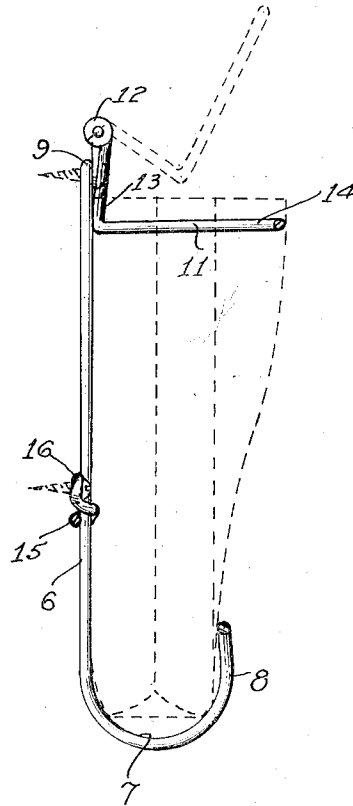
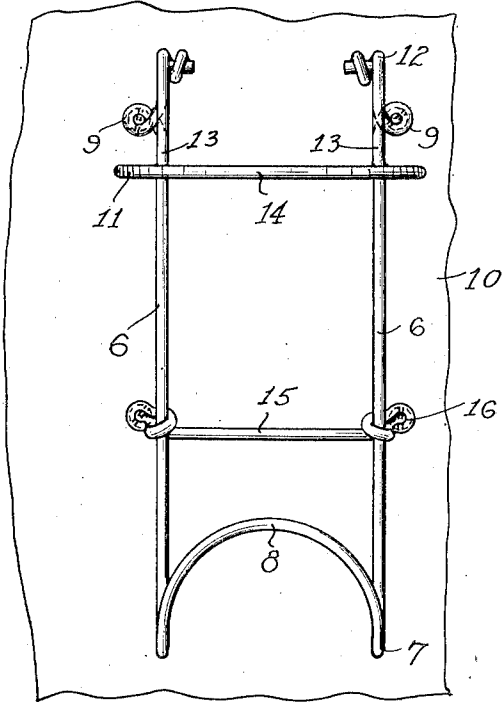


FIG. 3



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GARBAGE RETAINER

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4 Claims. (Cl. 248—95)

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The invention relates to garbage retainers generally, but more particularly to a garbage retainer intended for use in an ordinary home kitchen, and wherein a relatively inexpensive receptacle such as a paper bag or the like readily handled and disposable element may be used, the same be replaced as often as is needed or desired.

One of the principal objects of this invention is to so construct a device of the kind described, that the bag-holding frame or support member may be mounted out of the way so as to be as inconspicuous as desired, although always retaining the bag therein ready for use as needed with the mouth of the bag opened extremely wide to afford easy access of waste into the bag.

Another object of my invention is to provide a device of the kind described, whose construction is such that it may be mounted on any suitable upright wall at a height making for easiest and most comfortable use by the worker in the kitchen, and so that there will be least interference with the other articles, fixtures and furniture usually in a kitchen.

An added object of the invention is to so construct a device of the kind described that the flexible paper bag will be supported on the exterior of its bottom, front and rear, in a manner to most evenly distribute the loading and strengthen the bag, and wherein the device will be braced to additionally strengthen the same and retain it in its original shape to most uniformly maintain the bag supported in place in use.

A further object of this invention is to so construct the device aforesaid, that it will have a pair of substantially parallel legs to engage the back of the paper bag along a pair of spaced lines therealong and be bent forwardly and upwardly at the bottom to form a bight or loop, to thereby engage the front of the bag at this bight, and support the bag bottom along the pair of bent lower portions of said legs, there being a brace extending transversely between and interconnecting said legs and serving as a supplemental securement to the supporting wall on which the device is mounted.

A still further object of my invention is to construct said device with a spreader element hinged to its upper end, so that when in inoperative position said element may be swung entirely clear and above the bag, but when lowered into operative position will engage the inside of the bag and distort it so that the sides of said bag converge toward the bag front adjacent the bag mouth, said spreader at the same time gripping

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the rear of the bag at its mouth against the frame member.

Additional objects of this invention are to provide a garbage retainer that is of extremely simple and inexpensive construction, corresponding-ly low in use and upkeep, near in appearance, and otherwise satisfactory and efficient for use wherever deemed applicable.

Many other objects and advantages of the construction of the device herein shown and described will be obvious to those skilled in the art to which this invention appertains, as will be apparent from the disclosures herein given.

To this end, my invention consists in the novel construction, combination and arrangement of parts herein shown and described, and the uses mentioned, as will be more clearly pointed out in the claims hereunto appended.

In the drawings, wherein like reference characters indicate like or corresponding parts throughout the views,

Figure 1 is a perspective view of the device, showing a bag in operative position ready for use;

Figure 2 is a vertical cross-sectional view, taken substantially along the median line therethrough, showing the manner of using the bag spreader element; and

Figure 3 is a front elevation of the device, with the bag omitted.

Referring more particularly to the drawings, wherein I have illustrated a preferred embodiment of the invention, there is shown a device intended to be used principally in home kitchens for temporarily retaining a readily obtainable and disposable garbage receptacle in place for relatively frequent removal, these receptacles being replaced as found desirable and convenient.

I have found that paper bags are especially desirable for such temporary garbage retention, and if desired, they may be treated with an asphaltic or other suitable composition for impregnating them to render them substantially waterproof and better able to perform their intended functions, one such bag being indicated at A.

This bag may be of the well-known shape, with front and rear walls or panels 1 and 2, respectively, and interconnecting side walls 3, sealed across the bottom to form a squared bottom 4, and with an open end or mouth 5 for filling the bag. The bags are collapsible in the usual manner, to flattened shape.

Bags are quite often used to receive small amounts of garbage, in households, as they are so handy and inexpensive and disposable, but

they have the draw-back that they must often be held with one hand while filling with the other hand, with the consequence that matter spills on the bag exterior, and often misses the bag entirely and spots the floor or other surface on which the bag rests, making the operation a messy one.

In order to avoid such mishaps and yet permit of ready use of such bags, I have devised a frame or hanger for cooperation with the bags, so that said bags will be mechanically supported and held fully opened for easy filling. In this manner, no attention need be paid to the supporting of the bag, but instead, all of the attention may be paid to the filling operation, so that there is little or no danger of spilling the contents intended for the bag, onto the region adjacent to the bag.

For this purpose I have so constructed the frame that it comprises a pair of substantially parallel legs 6—6 spaced apart a distance found most suitable for the particular size and shape of bags to be used, and these legs are directed forwardly and thence upwardly at their lower ends, to form the bag seat portion 7 and the bight or loop 8 that joins said legs, somewhat as is shown in Figs. 1 and 2.

Screw eyes 9 may be formed near the upper ends of said legs for mounting the frame to one of the upright walls 10 of the kitchen wall, or to some other preferred supporting wall, and a spreader element 11 may be movably connected to the upper end of said frame, as for example by a hinged connection 12, as illustrated.

This spreader element may be formed with the pair of arms 13—13 having the hinged connections 12 with the upper ends of said pair of legs 6—6, and extending downwardly for a short distance, and thence interconnected to form the somewhat U-shaped or arcuate portion 14, extending outwardly and at an angle to the arms 13—13.

When said spreader element is moved to the operative position shown in full lines in Fig. 2 most particularly, and with the bag supported on the seat as shown, said spreader engages against the inside of said bag for the major portion of the periphery of the latter, and along a line slightly below the bag top, to distort the bag thereabout and open the bag mouth materially. This spreader portion 14 shapes the bag mouth so that the latter converges as it extends forwardly away from the rear of the bag, to make this shape of wide-open bag mouth. It is also to be noticed that when said spreader is in its operative position hereinbefore set forth, the rear wall of the bag will be gripped or clamped between the uprights 6—6 and the downwardly directed arms 13—13.

With the bag thus firmly seated, and engaged front and back, and with the mouth distorted or distended as shown, the bag will be held firmly and securely to permit handily emptying waste matter into the bag from time to time.

When it is desired to remove or replace the bag, the spreader element is swung or shifted to clear the bag, as indicated in the inoperative position shown in dotted lines in Fig. 2, whereupon the bag may be lifted from the supporting frame and disposed of as required.

In order to retain the frame more securely in its original shape and form, I may prefer to reinforce the same through the use of a brace element 15 which extends transversely across and between said legs 6—6 intermediate the

ends of the latter and interconnecting said legs, and if desired, this brace may also be used as an auxiliary securement to said supporting wall 10 by providing the eyes 16 for receiving the fasteners for the purpose.

With the construction hereinbefore described, the device will hold and secure the bag firmly and evenly in operative position for the use intended, said bag being supported across its bottom at the spaced intervals of said legs 6—6 and will be engaged at its back along said legs, and across said front by the bight 8, while the top of said bag is spread open all around to the shape found most suitable for the purpose, and the top of the bag is gripped at its rear wall, all of which contribute to a fairly uniform distribution of load within the bag and strengthens said bag.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence I do not wish to be understood as limiting myself to the exact form, arrangement, construction and combination of parts herein shown and described, or uses mentioned, except as limited by the state of the art to which this invention appertains, and the claims hereunto appended.

What I claim as new and desire to secure by Letters Patent is:

1. A garbage retainer for use with a flexible bag and comprising a frame adapted to be mounted on an upright wall and having an upwardly directed lower end to support the bottom of said bag thereon, and means associated with said frame for removable insertion substantially as an entirety into the said open end of the bag to engage the interior of the latter below said open end for the major portion of the periphery of the bag to hold said end open.

2. A garbage retainer for use with a flexible bag that opens to approximately rectangular transverse shape and comprising a frame adapted to be mounted on an upright wall and having a lower end to engage and support the bottom of said bag removably positioned thereat, and spreader means movably mounted on said frame and bowed outwardly of the latter and of a size and shape different from said normally rectangular fully-opened bag top to releasably engage within the inner surface of the opened bag to maintain the mouth of said bag distortedly open to receive the garbage directed into the bag.

3. A garbage retainer for use with a flexible paper bag and comprising a frame adapted to be mounted on upright wall and provided with an upwardly directed platform to engage the bottom and an outermost face of said opened bag, and a spreader element movably connected to the upper end of said frame for movement into the open mouth of said bag substantially as an entirety below the top edge of the bag and bowed outwardly from said frame so as to spread the bag at its mouth and frictionally clamp the same against said frame with sufficient pressure to substantially suspend the bag thereby, said spreader being movable out of the bag free of the latter to permit removal of the bag for disposal.

4. A garbage retainer of the kind described for use with an opened substantially rectangular bag and comprising a pair of substantially upright legs adapted to be mounted on an upright wall and directed outwardly and thence upwardly at their lower ends to provide a seat for said opened

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bag, and a bail element pivoted to the upper ends of said legs and directed downwardly and thence bowed outwardly from said pivotal connections to engageably fit within the open mouth of said bag so seated and spread said mouth open so that the sides of said bag are so distorted from the normal juncture with the front of the bag to converge toward the bag front so as to more easily receive matter directed into the bag.

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