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R. H. FURR
GARBAGE CAN RACK
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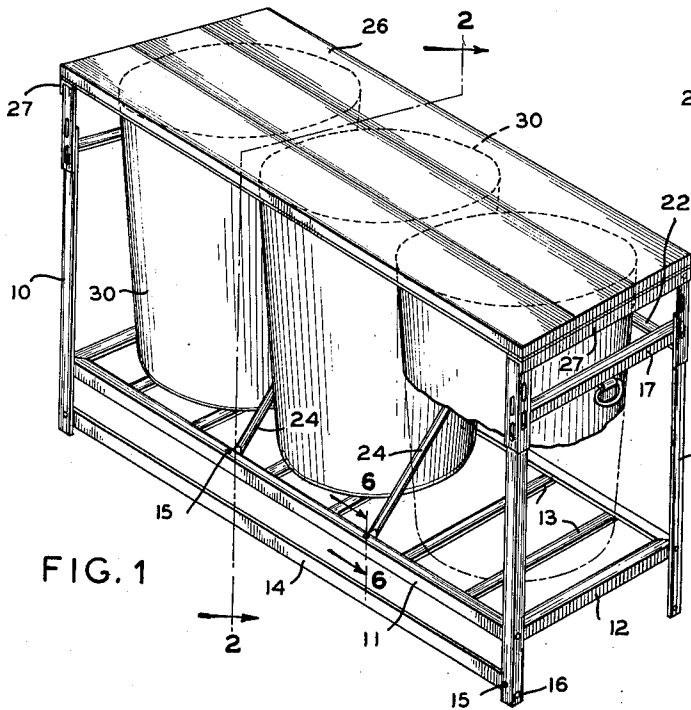


FIG. 1

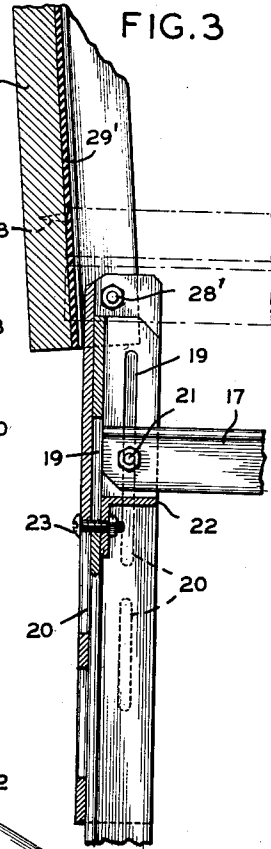


FIG. 3

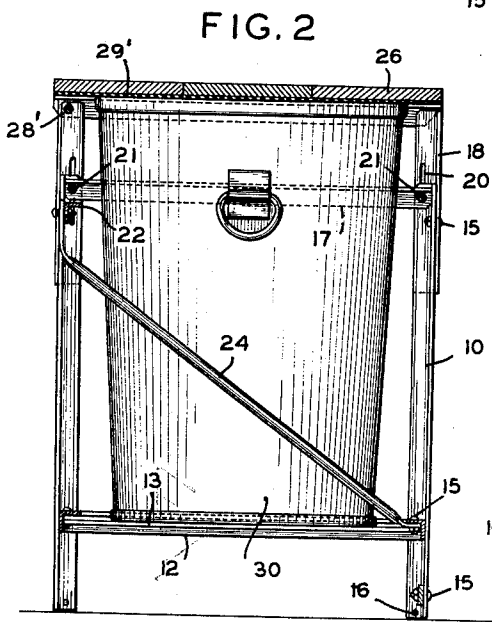


FIG. 2

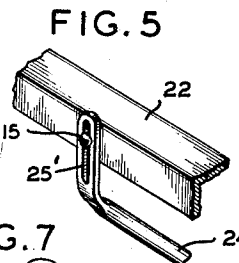


FIG. 5

FIG. 7

FIG. 6

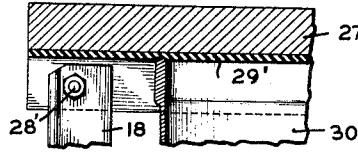


FIG. 4

INVENTOR
RAYMOND H. FURR

BY
Hyatt Dowell
ATTORNEY

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GARBAGE CAN RACK

Raymond Howard Furr, 2205 Slide Road, Lubbock, Tex.

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1 Claim. (Cl. 211-34)

This application relates to articles used around and in connection with living in densely populated areas and for the aid and convenience of the occupying personnel, including for the supplying of food, the disposal of waste, and the maintenance of sanitary conditions in connection therewith.

The invention relates particularly to utensils used in connection with the preparation and serving of food and the discarding of unused and unwanted portions thereof including holders or containers for garbage and racks on which such containers are conveniently supported in covered condition but allowing the ready removal of the containers for disposition of the contents thereof.

Waste containers such as garbage cans and the like have been used in convenient locations with covers resting thereon by gravity or held thereon by frictional engagement such cans or containers attracting cats, dogs, rats and the like, and being readily upset or overturned and the contents scattered. In an effort to overcome this problem various types of holders or containers for garbage or waste cans have been produced but these have been complicated, cumbersome, impractical, expensive and otherwise unsatisfactory.

It is an object of the invention to provide a relatively simple and inexpensive rack for garbage cans or other containers constructed to support the cans spaced above the earth or floor and with a cover that cannot readily be removed by an animal and lost but which can be easily lifted by the housewife for access to the can.

Another object of the invention is to provide a rack for a number of cans which rack is adjustable to accommodate cans of different heights, is open at one side to permit ready placing or removal of the cans and with a cover of substantial weight so that when it is in closed position it cannot be readily removed but which can be supported in raised position to permit the cans to be applied or removed or to afford access to the same.

A further object of the invention is to provide a relatively rigid garbage can rack of generally rectangular construction with corner posts and a vertically adjustable support and a lid or cover for multiple cans as well as a rack having a cover which is sealed on tight against the can on which it is placed and with such rack of a length and breadth corresponding to that of the cans to be accommodated and with multiple supports for each can and with such rack subdivided into compartments for the individual cans.

Other objects and advantages of the invention will be apparent from the following description and the accompanying drawing, wherein:

FIG. 1 is a perspective illustrating one application of the invention;

FIG. 2, a cross section taken on line 2-2 of FIG. 1 with the lid or cover in closed position over a series of cans;

FIG. 3, an enlarged fragmentary sectional view of the cover in open position;

FIG. 4, an enlarged fragmentary detail of the cover in closed sealing position;

FIG. 5, a fragmentary detail of the rear cross member;

FIG. 6, a section on the line 6-6 of FIG. 1; and

FIG. 7, a fragmentary perspective of the corner post assembly.

Briefly stated, the invention is a garbage can rack having four corner posts preferably of angle iron

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construction on which is supported a unitary generally rectangular frame of angle iron construction with pairs of spaced can supporting bars extending in spaced relation from front to back of said rectangular frame. The front corner posts may be connected by a bottom brace and each pair of end posts may be connected near the top of the same by a cross bar and similarly the two rear corner posts are connected near their upper ends by a similar cross bar, such cross bars likewise preferably being of angle iron construction. Angular braces join the lower front member of the rectangular frame with the cross bar at the upper back portion of the frame and define three areas for the reception of garbage cans or other receptacles. A cover is provided for the top of the frame, such cover being substantially of a length and breadth corresponding to that of the frame and being supported at its ends by cross members of angle iron or like construction which are pivoted at their rear ends to the rear posts of the frame, and the underside of said cover is provided with a sealing gasket or the like so that when the cover is closed the garbage can beneath the same will be sealed. The rack is of such a character that it can be compactly contained in a relatively small package of a length and breadth corresponding to the length and breadth of the bottom frame and cover between which the corner posts and braces can be disposed to provide a relatively thin flat package.

With continued reference to the drawing, the rack of the present invention comprises four corner posts of angle iron or the like construction and a generally rectangular relatively rigid frame supported within the same, such frame having side and end members and preferably of angle iron construction and with three pairs of spaced receptacle supporting cross bars, one pair located in a position to underlie the bottom of each of three garbage cans or other containers.

At the front of the rack beneath the frame member 11 is a brace 14 for added strength and rigidity, the frame and brace being adapted to be fastened to the corner posts by means of bolts and nuts 15. If desired, the corner posts may be provided with openings 16 for the reception of bolts or the like for anchoring the bottom of the leg members in a concrete base or foundation.

The corner posts at each end of the frame are provided with an upper cross brace 17 also preferably of angle iron and each corner post is provided with an upper end or separate extension 18 vertically adjustable relative to its respective corner post, the corner post having staggered slots 19 and the extensions 18 having similarly arranged staggered slots 20 so that a nut carrying bolt 21 can be employed between the upper end of each post and its extension for fastening the parts in assembled relation, such bolts and nuts 21 also extending through the ends of the cross member 17 for fastening it securely in place. Across the upper back of the frame is provided an upper rear brace 22 of iron or like construction fastened by nut carrying bolts 23 vertically adjustable in the slot 19 of the rack 10.

Between the upper rear brace 22 and the lower front frame member 11 are located a pair of angle braces or connections 24 having flat angular end portions 25 through which bolts 15 fasten them to the frame member 11, and the rear ends of such frame members are flattened and provided with slots 25' for adjustable attachment by additional bolts 15 to the rear longitudinal member 22, the slots 25' permitting the vertical adjustment of the rear longitudinal member 22.

A cover 26 is provided which may be composed of one or more boards attached to transverse end members 27 by screws or other fasteners 28 and with such end members fastened by pivot bolts 28' in openings 29 in the upper ends of the post extensions 18. As illustrated

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in FIG. 3 the cover 26 may have a sealing gasket or the like 29' on its under surface. Such gasket may be attached to the under side of the cover by adhesive or in any other desired manner and when closed the upper open ends of garbage cans or other containers will be sealed.

It will be apparent from the foregoing that a simple, relatively inexpensive rack is provided which can be shipped knocked down or unassembled in a relatively thin flat package of a width and length corresponding to that of the cover and the bottom frame and of a thickness corresponding to that of the combined thickness of the cover, frame, corner posts and braces included in the package, and which can be readily assembled on location.

It will be obvious to one skilled in the art that various changes may be made in the invention without departing from the spirit and scope thereof and therefore the invention is not limited by that which is illustrated in the drawing and described in the specification but only as indicated in the accompanying claim.

What is claimed is:

A garbage can rack adapted to rest upon a supporting surface and accommodate cans of different heights, said rack comprising four corner posts of a length greater than the heights of the garbage cans to be held, a generally rectangular rigid frame corresponding substantially to the width and breadth of at least two garbage cans,

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said rectangular frame being connected to said corner posts near the lower ends thereof, said corner posts at each end of the frame being connected in fixed relation adjacent their upper ends, said rectangular frame having transverse can supporting means, extensions for the upper ends of said corner posts longitudinally adjustable relative to said posts for accommodating cans of different heights, a cover pivoted to the extensions at the rear of the frame and movable from a substantially horizontal to a substantially vertical position, a longitudinal member connecting the rear corner posts near the upper ends of the same, and at least one diagonal brace connecting said relatively rigid frame at the front and said longitudinal member at the rear of the rack and defining independent areas for garbage cans.

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