CONTAINER WITH SLIDE COVER
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This invention relates to garbage cans or containers. It is an object of the present invention to provide an improved garbage can construction which provides a flexible sliding cover adapted to open and close the upper open end of the can.

It is another object of the present invention to provide a garbage can construction bearing the above objects in mind which is of simple construction, inexpensive to manufacture, has a minimum number of parts, is easy to use and efficient in operation.

Other objects of the present invention are to provide a garbage can construction bearing the above objects in mind which is of simple construction, inexpensive to manufacture, has a minimum number of parts, is easy to use and efficient in operation.

For other objects and a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which:

Figure 1 is a perspective view of a garbage can or receptacle embodying the features of the present invention and shown in a closed position;

Fig. 2 is a fragmentary vertical sectional view taken along the line 2—2 of Fig. 1;

Fig. 3 is a fragmentary perspective view of a portion of the can;

Fig. 4 is a perspective view, shown partly broken away, of a modified form of the present invention and shown in an open position; and

Fig. 5 is a transverse sectional view taken along the line 5—5 of Fig. 4.

Referring now to the figures, particularly Figs. 1 through 3, there is shown a garbage can referred to collectively as 18, and including a rectangular rear wall 11, substantially as illustrated. The rear wall 11 at each side is integrally formed with side walls 12 having curved front corners 13. The side walls 12 along their top and a portion of their front edges, as well as the top edge of the rear wall 11, are integrally formed with laterally extending, continuous flanges 14 which terminate short of the bottom 15. The lower edges of the flanges 14 being bent in, as at 16.

A unitary combined front and top wall 17 is secured to the forward and top edges of the side walls 12 by means of a flange 18 and rivets 19, the wall 17 continuing upward around the curved corners 13 and across the top of the can. The portion of front wall 17 extending across the top of the can is provided with an opening 20. It will be noted that the outer face of the wall 17 is freely spaced from the flanges 14, providing therebetween a track extending from the inwardly bent end 16 to the top edge of the rear wall 11.

A slide is provided and consists of a plurality of plates 20' hingably connected to each other along their longitudinal edges by means of the portion 21 and the cooperating portions receiving the same, as shown in Fig. 5. The uppermost and lowest plates 20' are provided with handles 22 and 23. The opposite ends of each of the portions 21 are provided with shoes 24 which move along the track intermediate the flanges 14 and the outer face of the wall 17. It will be apparent that the inwardly bent portions 16 will thus abut the lowermost plate 20', thereby limiting the downwardly moving sliding cover assembly.

To facilitate tipping the wall 17 is provided near its bottom edge with a tipping handle 25. Also, as a means of identification, the front surface of the wall 17 is provided with a plate 26 provided along the inner surface of its upper edge with a groove 27 cooperating with an upper plate 28 to receive slidable a plurality of number plates 29, corresponding to the house number of the can owner, the ends of plate 28 being integrally formed with lugs 30 adapted to be downwardly bent whereby to abut the end of plates 29 and to retain the same, as shown in Fig. 1. The front face of plate 26 will bear the owner's name. By means of the handle 25, the can will be tipped away from the sliding mechanism protecting the latter from injury.

Referring now particularly to Figs. 4 and 5, there is shown a modified form of the invention comprising a substantially cylindrical body portion 31 having a bottom closure 32, substantially as illustrated. The body portion 31 is open at the top and is provided at each side with flat portions 33, inwardly pressed, and providing a pair of straight sides along the upper edge of the body portion. The upper front face of the body portion 31 is provided with an opening 34 extending upwardly to the top of the can, the opening 34 being partially formed by the outward bending of side flaps 35 (Fig. 5). The edges of the flaps 35 connect with the straight top edges by means of curved corners 36, the edges of the flaps 35, corners 36, the upper straight sides of the can and the rear edge thereof are integrally formed with laterally extending, continuous flanges 37 for a purpose similar to the flanges 14 of the first form. A curved plate 38 fits behind the opening 34 and is secured in place by means of rivets 39, the plate 38 above the lower edge of the opening 34 and alignment with the flaps 35 is integrally formed with portions 40, secured to the inner face of flaps 35 by means of rivets 41, the forward edges of the portions 40 being integrally formed with lateral flanges 42 (Fig. 5) which cooperate with the flanges 37, providing thereby a continuous track extending across the top of the can and around the curved corners and downwardly to the bottom of the flaps 35.

A cover assembly consisting of a plurality of plates 43 similar to plates 20' of the first form integrally connected along their longitudinal edges by portions 44 is provided on the ends of the portions being provided with the shoes 45 which ride in the tracks intermediate the flanges 42 and 37. The uppermost plate 43' and the lowest plate 44' are provided with handles 46 and 47, respectively, the edge of the plate 43' being curved to accommodate the curved rear portion of the can while the plate 44' is similarly curved to accommodate the curved forward portion of the can when the assembly is in the closed position.

In other respects the form of the invention shown in Figs. 4 and 5 is the same as that shown in Figs. 1 through 3, and like reference numerals identify like parts throughout the several views.

While various changes have been made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claims.

It is to be noted that the container illustrated and above described may be used for other purposes as well as for a garbage can; for instance, it may serve as a so-called utility can or container for any suitable articles, in which case the tipping handle 25 would preferably be omitted.
I claim:
1. A container construction comprising a substantially rectangular bottom wall, a substantially rectangular rear vertical wall, a pair of side walls connecting the opposite edges of said bottom wall with the vertical edges of said rear wall, said side walls at their upper corners remote from said rear wall being rounded, said side walls along their top edges, along their curved corners and along at least the upper portions of their front vertical edges being provided with laterally extending flanges, a unitary combined front and top wall secured between said side walls, said unitary wall extending upward from the bottom wall and continuing upwardly around the curved corners of said side walls and across the top of the container and being spaced inwardly with relation to said flanges, the top portion of said unitary wall having a rectangular opening therein of approximately the same dimensions as said bottom wall, and a flexible cover slidable along the outer face of said unitary wall whereby to open and close said opening, said flanges terminating short of the bottom wall and being inwardly bent at their lower extremities whereby to provide stops to support the lower edge of said cover when the latter is in open position.

2. A container according to claim 1, said flexible cover comprising a plurality of plates hingeably connected along their opposite longitudinal edges, staggered hinge ears along juxtaposed longitudinal edges of said plates, said ears of each plate registering between and in alignment with said ears of the next adjacent plate, hinge pins passing through the aligned ears of each pair of mutually adjacent plates, shoes provided at each end of said pins and riding between said flanges and the outer face of said front wall.

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