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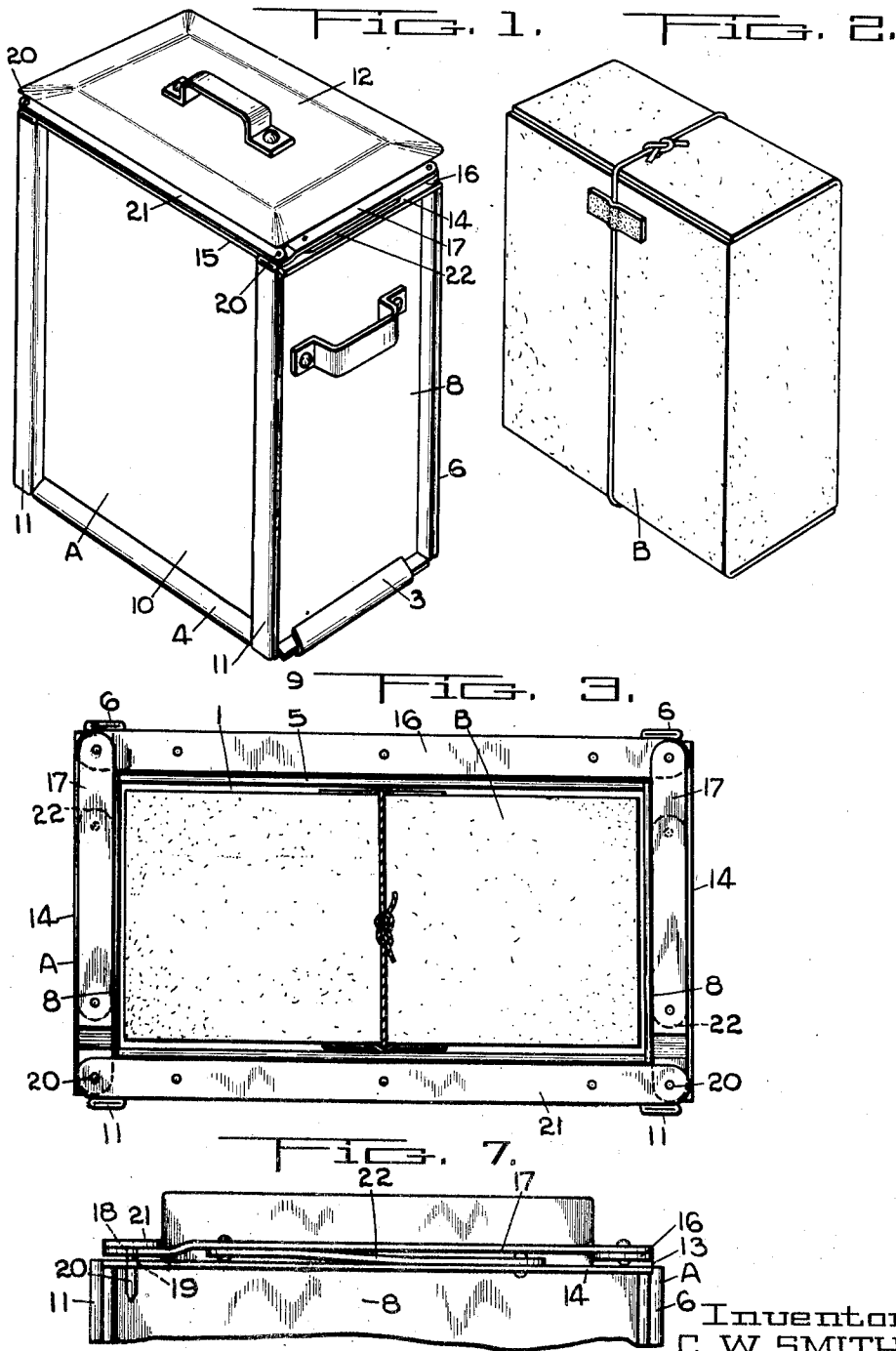
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2,238,830

GARBAGE CAN

Filed Dec. 2, 1938

2 Sheets-Sheet 1



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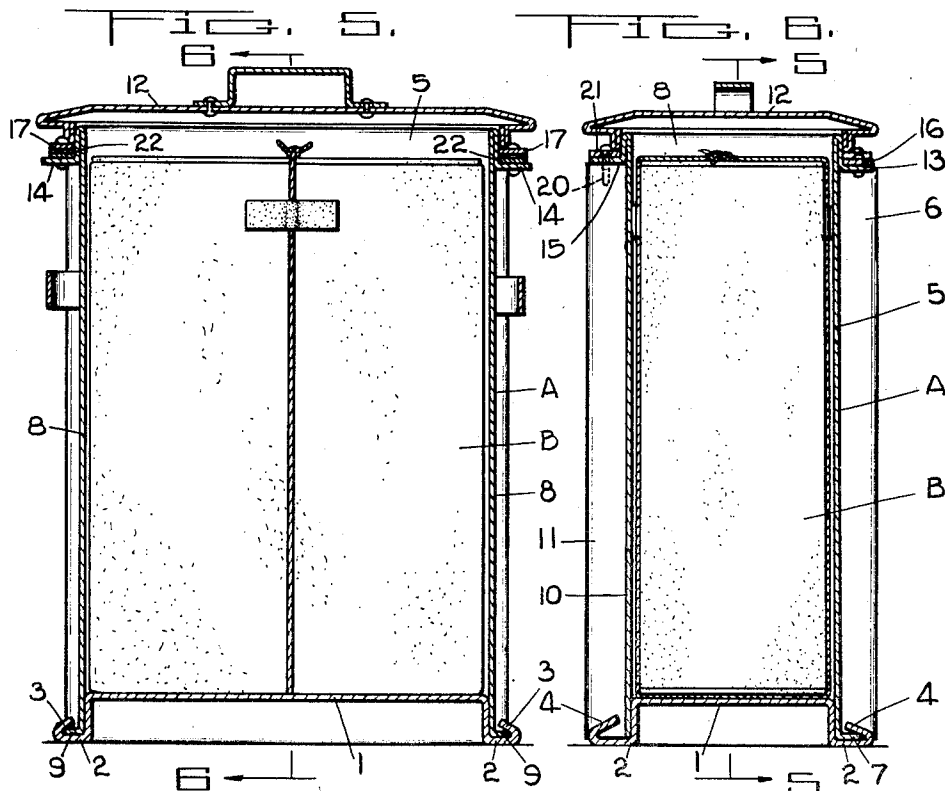
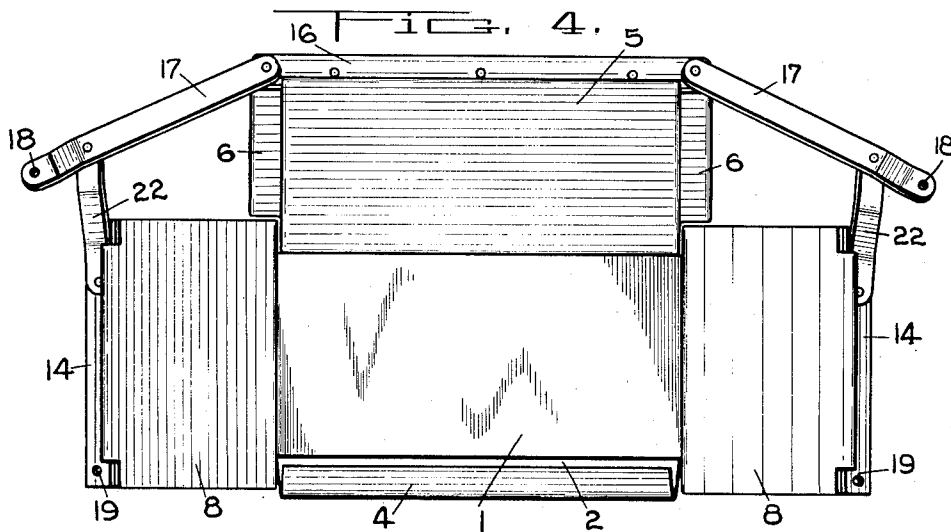
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2,238,830

GARBAGE CAN

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CanadaApplication December 2, 1938, Serial No. 243,588
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5 Claims. (Cl. 220-7)

My invention relates to improvements in garbage cans and an object of the invention is to devise a can having a disposable inner container in which the garbage can be packed and which is adapted to be taken out of the can by the garbage man thus obviating the liability of littering the immediate vicinity with particles of garbage and depositing the loose garbage into the garbage wagon where it gives off insanitary odours as well as avoiding damage to the outer permanent container or can which frequently occurs due to rough handling.

A further object is to devise an outer container or can which can be expanded in periphery at least in its upper portion to facilitate removal of the inner disposable container therefrom by enabling the latter, while in the can, to be grasped by the garbage man or other person removing the garbage.

A still further object is to construct an outer container or can in which certain of its walls may be temporarily inclined outwardly from bottom to top and the remaining side can be removed to enable the inner disposable container to be easily removed and in which means is provided for permitting of the walls being restored readily to and locked into position to effectively hold in position the inner disposable container.

With the above and other objects in view which will hereinafter appear as the specification proceeds my invention consists, in its preferred embodiment, of the construction all as hereinafter more particularly described and illustrated in the accompanying drawings in which:

Fig. 1 represents a perspective view of the outer container or can construction according to my invention.

Fig. 2 is a perspective view of the inner disposable container.

Fig. 3 is an enlarged plan view of the outer container showing it with the lid removed, and in the inner container holding position.

Fig. 4 is a plan view of the outer container, slightly reduced in scale, showing its walls in the expanded position.

Fig. 5 is a vertical section through the outer container showing it closed and of the same scale as in Fig. 4, such section being taken on the line 5-5 (Fig. 6).

Fig. 6 is a vertical cross-section taken on the line 6-6 (Fig. 5), and

Fig. 7 is an enlarged fragmentary view of the upper portion of a side wall of the outer container.

Like characters of reference indicate corresponding parts in the different views of the drawings.

My garbage container comprises an outer container A and a removable disposable container B constructed of cardboard, corrugated board or the like and collapsible when not in use exactly as is the case with orthodox cardboard cartons.

The bottom 1 of my outer container A is preferably raised off the ground and has a peripheral skirt 2 provided with upturned and inturned beads 3 and 4 at the sides and back and front respectively of the container bottom 1. The back wall 5 of the outer container has offset vertical flanges 6 at its side edges and an outwardly directed flange 7 at its lower edge receivable into the bead 4 at the back of the bottom of the outer container. Such flange 7 and bead 4 constitutes a hinge for the back wall 5.

The side walls 8 have similar flanges 9 at their lower edges receivable into the beads 3 and consequently hinges for the side walls are constituted by these flanges 9 and beads 3.

The front wall 10 of the outer container A is adapted to be removable from the structure and is provided with offset vertical flanges 11 at its side edges and a lower edge which is insertable between the front bead 4 on the bottom skirt and the bottom proper.

When in the closed or inner container supporting position the walls are vertically disposed and the side walls 8 abut the base of the flanges 6 of the back wall 5, and the flanges 11 of the front wall abut the forward side edges of the side walls 8.

A removable lid 12 with a depending peripheral flange surrounding the upper edges of the walls is provided for the outer container A.

The walls 5, 8 and 10 have upper outwardly directed flanges 13, 14 and 15 respectively. A strap 16 is secured to the flange 13 of the back wall 5 having its ends overlying the flanges 14. Such ends of the strap 16 have forwardly directed levers 17 pivoted to them and the forward or free ends of the levers 17 have orifices 18 there-through adapted to register with similar orifices 19 in the flanges 14 to receive depending pins 20 provided on the end of a strap 21 secured to the flange 15 of the front wall 10.

Links 22 are pivotally connected at their rear ends to the flanges 14 and at their forward ends to the levers 17 in the vicinity of their free ends.

When the outer container is in the inner container supporting position the levers 17 and links 22 lie upon and are substantially parallel to the

flanges 14, the front wall being in place with the pins 20 inserted through the orifices 18 and 19. Thus the outer container walls are locked together in the above position. Upon desiring to remove the inner container B from the outer container A for disposal, after taking off the lid the front wall 10 is lifted out and the levers 17 swung outwardly and backwardly which will swing the back wall 5 rearwardly about its lower edge and through the medium of the links 22 will swing the side walls outwardly about their lower edges thus providing space between the inner container B and the outer container or can A to enable the former to be grasped to facilitate its removal.

Upon the inner container B having been removed, by swinging in the levers 17 the back and side walls of the outer container are restored to their vertical positions and when the front wall has been inserted into place such walls are locked again in such position ready for the insertion of a new inner container.

From the above description it will be apparent that I have devised a simple, cheap and effective can which will largely obviate the disadvantages inherent to present garbage cans and which will be exceedingly sanitary in use.

It will also be obvious that such a construction while primarily intended for garbage may have many widely different uses.

What I claim as my invention is:

1. In a garbage can, a bottom having a peripheral skirt, upturned and inturned beads on the skirt, a back wall having an outwardly directed flange at its lower edge receivable into a bead on the skirt, side walls having outwardly directed flanges at their lower edges receivable into beads on the skirt, said flanges and beads comprising hinges for the back and side walls, means for swinging the back and side walls outwardly from their normal substantially vertical positions, a removable front wall, and means on the removable wall cooperating with the swinging means for locking the back and side walls in their sub-

stantially vertical positions and locking the removable front wall to the side walls.

2. A garbage can as claimed in claim 1 wherein the back and front walls have offset flanges at their side edges into which the side edges of the side walls are receivable.

3. A garbage can as claimed in claim 1 wherein the walls have outwardly directed flanges at their upper edges and wherein the swinging means for the back and side walls comprises levers pivotally connected at their rear ends to the upper outwardly directed flange of the back wall, links pivotally connected at one end of each to the upper outwardly directed flanges of the side walls and to the levers intermediately of their length, and depending pins on the ends of the upper outwardly directed flange of the removable front wall insertable through registering orifices in the levers and upper outwardly directed flanges of the side walls, the lower edge of the removable front wall insertable between the bead on the skirt and the bottom proper.

4. In a garbage can, a bottom, upright walls hinged at their lower edges to the bottom, means for swinging the hinged walls outwardly, a removable upright wall, forwardly extending levers pivoted at one end of each to a hinged wall, links pivotally connected at one end of each to the remaining hinged walls and at their other ends to the levers, and means on the removable upright wall for locking the levers in a position to retain the hinged walls upright and to lock the removable upright wall to such hinged walls.

5. A garbage can as claimed in claim 4 wherein the means on the removable upright wall for locking the levers in a position to retain the hinged walls upright and to lock the removable upright wall to such hinged walls comprises pins on the removable upright wall insertable through orifices in the free ends of the levers for locking the levers in a position to retain the hinged walls upright and to lock the removable upright wall to such hinged walls.

CLARENCE WILLIAM SMITH.