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F. E. BENESCH

3,485,408

MULTI-SECTIONED CONTAINER

Filed April 3, 1968

FIG. 1

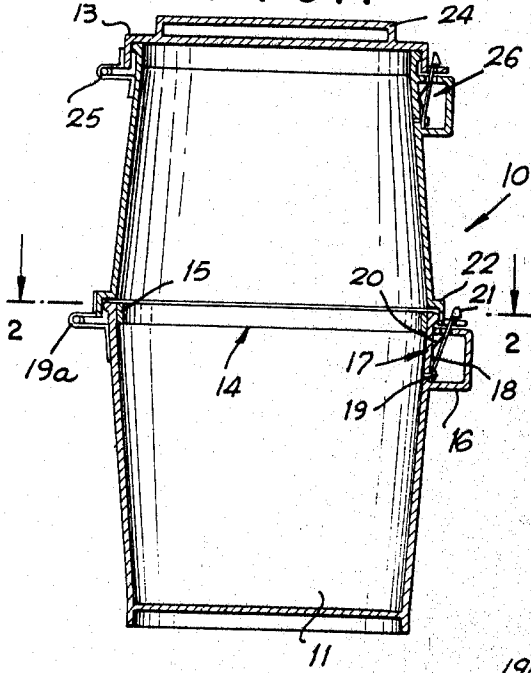


FIG. 2

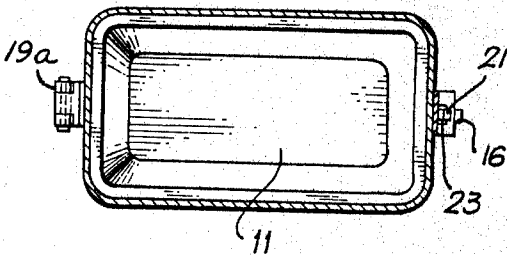


FIG. 4

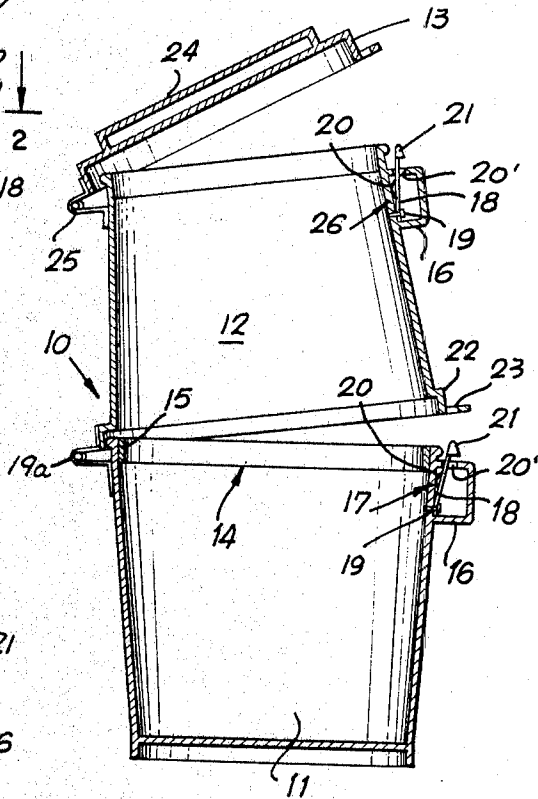
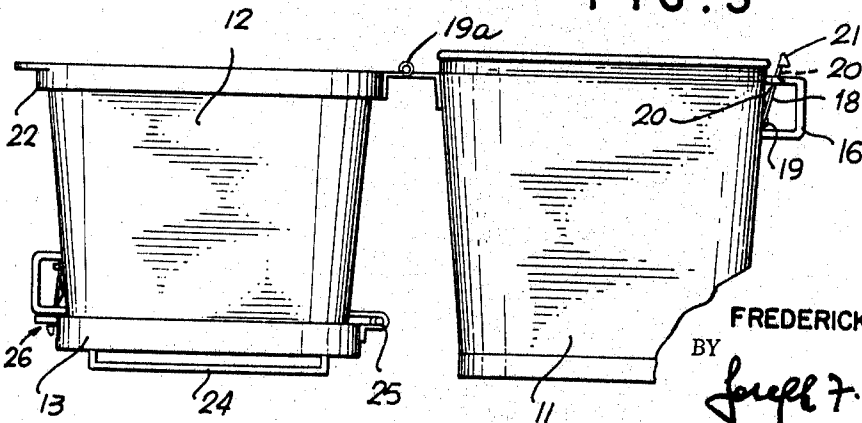


FIG. 3



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MULTI-SECTIONED CONTAINER
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3 Claims

ABSTRACT OF THE DISCLOSURE

A two-part container hinged together centrally with the upper part having a lid hinged thereto. The two-part container can be opened between the two parts to permit the ready removal of the contents therefrom.

BACKGROUND OF THE INVENTION

Field of the invention

The present invention relates to an easily portable container, particularly, to such a container formed of multiple sections separable intermediate the top and bottom thereof to permit easy removal of the contents therefrom.

Description of the prior art

Heretofore, in the storage and removal of garbage or refuse, the usual container was an ordinary can made usually of galvanized iron or of plastic. These cans are also provided with a completely removable cover. When they are filled, the sanitation men must raise the can to such a height as to require assistance of another man.

Furthermore, the can must be lifted high enough to empty the contents from the top.

SUMMARY OF THE INVENTION

An object of the present invention is to provide a compact multi-sectional container of suitable size and weight, from which the contents can be readily removed.

Another object of the present invention is to avoid the disadvantages described above respecting the ordinary type of can.

Still another object of the present invention is to provide a multi-sectional can or container for refuse which can be readily emptied from the mid portion thereof.

A more specific object of the present invention is to provide a can which is comprised of a plurality of operable, interlocking sections and provided with handle means thereof.

BRIEF DESCRIPTION OF THE DRAWING

FIG. 1 is a vertical sectional view of a preferred embodiment;

FIG. 2 is a cross sectional plan view of the embodiment taken on line 2—2 of FIG. 1;

FIG. 3 is a view showing the sections opened relatively of each other; and

FIG. 4 is a view of the embodiment opened at its mid portion.

DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring now to the drawing wherein like numbers refer to like parts throughout, a can or container 10 is provided comprising several interconnecting sections, namely, a bottom section 11, an upper section 12 and a lid 13. The lid 13 is hinged to the upper section 12 by hinge 19a.

It will be noted that the lower or bottom section 11 is

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of a tapering or frustoconical shape or outline and has at its uppermost edge 14 an internally disposed reinforcing strip 15, to lend rigidity to the section in that area. Also, a handle 16 is provided whereby the container can be picked up thereby.

Inside said handle 16, there is mounted a spring latch 17 having a tensioned spring plate 18 pivotally connected to the interior portion of the handle 16 by means of a pin 19. A spring plate 20 is connected with the pin 19 to normally force the spring plate 18 outwardly.

The handle 16 has an opening 20', through which extends the plate 18. Said plate has at its free end a wedge or stop 21 which abuts against the walls of the opening 20', thereby forming a locking engagement therewith.

The upper section 12 has an extending portion 22 which overlaps and fits on said edge 14 of the bottom section 11.

Said extending portion 22 is provided with a reinforced opening 23 through which the stop member or wedge 21 extends, thereby locking sections 11 and 12 together. It will be noted that the stop 21 is of such shape that it readily can pass through the opening against the force of the spring plate 20 and thereby permits locking whereby said sections are tightly held together.

The lid 13, it will be noted, has a handle 24 extending along the top of said lid. A hinge 25 is provided for interconnecting the lid and upper section 12.

Locking means 26 of the type shown and described connecting sections 11 and 12 are provided. The locking means is disposed opposite said hinge 25 and means keeps the lid in closed position when the container is not in use but may be opened by releasing the locking means to fill the container.

It will be noted that the handle 24 is in alignment with the hinge 25 and lock 26. Furthermore, the container can be readily carried to a garbage removing truck and lifted by means of the handle 24.

When the container is to be emptied of the refuse or garbage therein, it is lifted by the handle 24 to the height of the receiving end of the garbage removal truck, so that the handle 16 is held at that height and the latch 17 is operated whereby the stop 21 is pushed against the wall of the section 11 and extension 22, thereby disconnecting the two sections and permitting easy emptying of the container from the middle thereof instead of from the top. By doing this, the garbage removal uses less effort in lifting the container and emptying the same.

I have described and illustrated therein a container of oblong flaring outline. It is to be understood that it may be of any desirable outline or cross section such as square or cylindrical. Furthermore, the container may be made of any suitable, durable material such as of metal or of plastic material which lend lightness to the container.

What is claimed is:

1. A multi-sectional container comprising a lower section having a closed bottom and an open top, an upper section having an open bottom and an open top hingedly secured to said lower section, a lid hingedly secured to the open top of said upper section and adapted to close said open top, a rigid handle secured to said lower section adjacent the open top thereof, a spring latch secured to said lower section within said handle and projecting upwardly through an aperture in said handle, means rigidly formed on the lower edge of said upper section for cooperation with said latch to releasably secure said upper and lower sections in abutting relation, a handle rigidly secured to the upper portion of said upper section, a latch secured to said upper section within said handle and projecting upwardly through an aperture in said handle,

and means rigidly secured to said lid for cooperation with said latch to releasably secure said lid in closed relation to the upper portion of said upper section.

2. A multi-sectional container constructed in accordance with claim 1 wherein the lid is provided with a rigid handle on the top surface thereof extending substantially the full length thereof for lifting said container with said lid in latched condition.

3. A device as claimed in claim 1 wherein the rigid means on said upper section for cooperating with said latch comprises an apertured flange overlying said latch through which said latch extends to releasably latch said upper and lower sections together.

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U.S. Cl. X.R.