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OBJECT SUPPORTING BOX

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FIG. 1

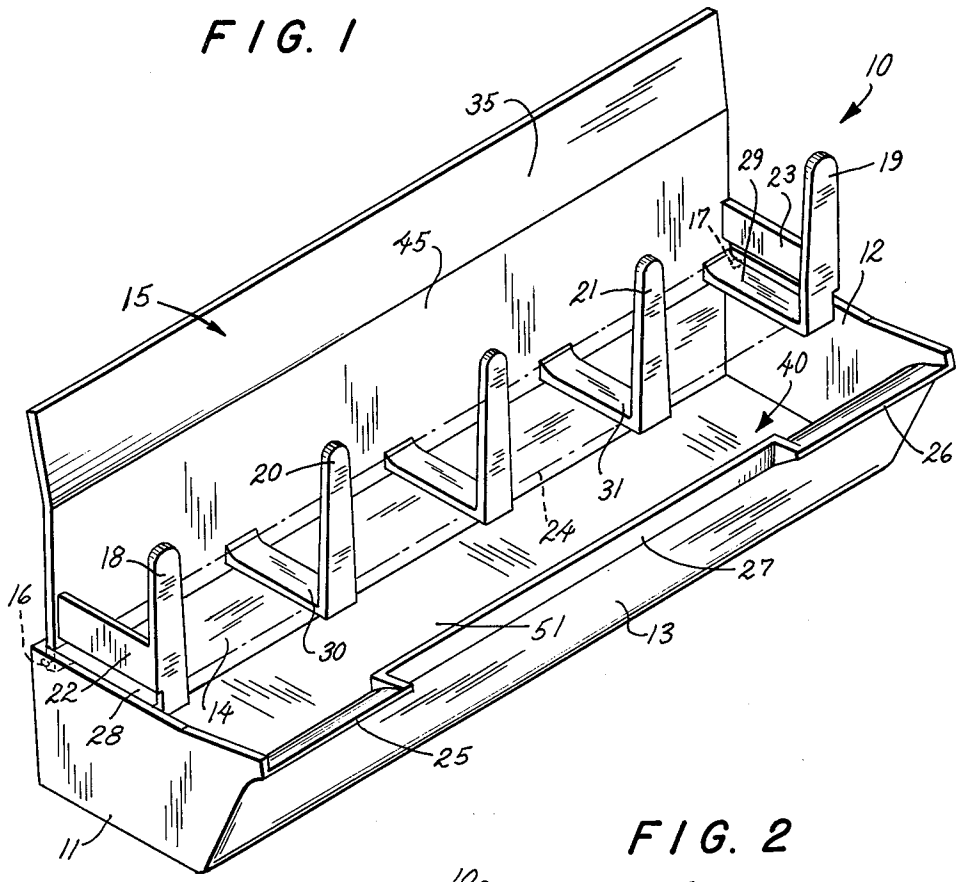
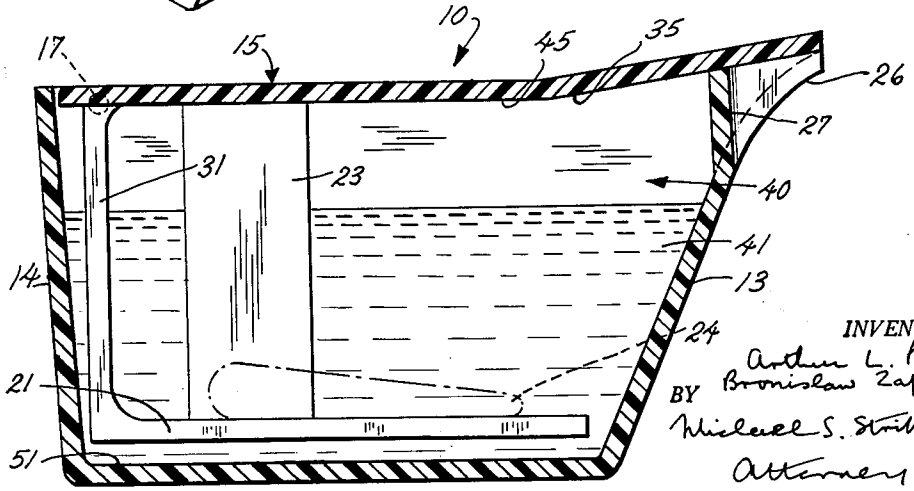


FIG. 2



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OBJECT SUPPORTING BOX

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This invention relates to an object supporting box, and more particularly, to a box containing a liquid into which an object is to be immersed.

It is an object of this invention, to provide the box with a lid which supports an object.

It is another object of this invention, to provide a lid which upon turning will immerse an object supported thereon.

With these objects in view an object supporting box according to the present invention, comprises a container defining a storage space, lid means supported on the container for turning movement thereon to and from a closing position for closing the storage space, and object supporting means secured to the lid means for movement with the same and arranged so as to be located in the lower portion of the storage space when the lid means is in closing position.

According to another aspect of the present invention, a liquid is held in the bottom portion of the storage space so that an object located on the object supporting means is immersed in the liquid while the lid is in its closing position.

The novel features which are considered as characteristic for the invention are set forth in particular in the appended claims. The invention itself, however, both as to its construction and its method of operation, together with additional objects and advantages thereof, will be best understood from the following description of specific embodiments when read in connection with the accompanying drawings, in which:

FIG. 1 is a prospective view of the object supporting box with the lid in open position thereof, and

FIG. 2 is a sectional view of the object supporting box with the lid in closing position.

Referring to the drawings, an object supporting box according to the present invention, comprises a container generally indicated as **10**, having side walls **11** and **12**, a front wall **13** and a rear wall **14**, defining a storage space **40**. A liquid **41** is contained in the lower portion **51** of the storage space. Lid **15** is arranged for turning movement about a horizontal axis around pivots **16** and **17** mounted on the side walls **11** and **12**. From the inner face **45** of the lid **15** spacer portions **28**, **29**, **30**, and **31** protrude, carrying at their ends object supporting portions **18**, **19**, **20** and **21**. The spacer portions and the object supporting portions together form the object supporting means.

The two outermost object supporting portions **18** and **19** are provided with abutment portions **22**, **23** in order to retain an object on the object supporting means even if the container is tilted from the preferred horizontal position thereof. The abutment portions **22** and **23** are spaced from the spacer portions **28** and **29** so that no liquid can be trapped therebetween.

When an object such as a comb, brush or the like **24** is placed on the object supporting means and the lid means **15** is turned into a position closing the storage space the object supporting portions **18**, **19**, **20**, **21** of the object supporting means will be immersed into the liquid **41**. The comb **24** located on the object supporting portions will also be immersed and the liquid **41** can effect its cleaning and disinfecting action on the comb **24**.

When the lid **15** is turned from its closing position illustrated in FIG. 2 to the open position illustrated in FIG. 1, comb **24** can be removed from the object supporting means since turning movement of the lid **15** will lift the comb **24** out of the liquid. In this manner a simple and efficient construction is provided whereby by object can be immersed during storage into a liquid by placing the object on the object supporting means and turning the lid **15** into its closing position.

Front wall **13** is preferably slanted outwardly and upwardly and has an upper portion which comprises 3 parts, a substantially vertical part **27** forming a recess in the center and upwardly and outwardly slanting parts **25** and **26** on each side of the recess **27**. In this manner a protruding lip of the lid **15** is provided over the recess **27** so that the lid **15** can be easily turned from its closing into open position.

Such a construction will also permit the top face of lid **15** to be in one plane with the top face of the side walls **11** and **12** and of the rear wall **14** when in the closing position.

In order to facilitate the placing and removal of any object from the object supporting means, the lid **15** has a front portion **35** which is bent upwardly and outwardly. The side walls **11** and **12** are shaped so that their top surfaces conform to the shape of lid **15**.

An object supporting box, according to the present invention, can be conveniently made from plastic material such as phenolformaldehyde or a polystyrene.

Preferably, the walls, namely the side walls, front and rear walls, and the bottom wall of the container are made out of one piece. The lid **15** and the object supporting means are also preferably made out of one piece. In this manner a box is obtained having essentially only two parts.

If the box is made of a suitable material, the liquid contained therein can be heated to any desired temperature.

It will be understood that each of the elements described above, or two or more together, may also find a useful application in other types of an object supporting box differing from the types described above.

While the invention has been illustrated and described as embodied in a container, it is not intended to be limited to the details shown, since various modifications and structural changes may be made without departing in any way from the spirit of the present invention.

Without further analysis, the foregoing will so fully reveal the gist of the present invention that others can by applying current knowledge readily adapt it for various applications without omitting features that, from the standpoint of prior art, fairly constitute essential characteristics of the generic or specific aspects of this invention and, therefore, such adaptations should and are intended to be comprehended within the meaning and range of equivalence of the following claims.

What is claimed as new and desired to be secured by Letters Patent is:

1. An object supporting box, comprising, in combination, a container having side wall means, a front wall, a rear wall and a bottom wall defining a storage space for holding a liquid in the bottom portion thereof; lid means supported on said wall means for turning movement about a substantially horizontal axis between a closing position closing said storage space and an open position permitting admittance to said storage space; and object supporting means comprising angular bracket means having a first object supporting portion fixedly secured at one end to said lid means for turning movement therewith and extending from the said lid means for a distance substantially equal to the distance between said bottom wall and the said lid means in the said closing position of the said lid means and located substantially horizontally in said open position of said lid means and a second object supporting portion having a free end and extending from the other

end of the said first object supporting portion for a distance substantially equal to the distance between said front wall and said rear wall in the said closing position of the said lid means and at such an angle as to be located substantially horizontally in said closed position of said lid means, said second object supporting portion being located in the lower portion of said storage space and immersed in the liquid held therein and said free end being adjacent said front wall of said container when said lid means is in storage space closing position, so that in said closing position of said lid means an object may be supported on said second object supporting portion without slipping from said free end and immersed in the liquid and in said open position of said lid means may be supported on said first object supporting portion and removed from the liquid.

2. An object supporting box, comprising in combination, a container having side wall means, a front wall, a rear wall and a bottom wall defining a storage space for holding a liquid in the bottom portion thereof; lid means supported on said wall means for turning movement about a substantially horizontal axis between a closing position closing said storage space and an open position permitting admittance to said storage space; and object supporting means comprising angular bracket means having a first object supporting portion fixedly secured at one end to said lid means for turning movement therewith and extending substantially horizontally therefrom in said open position of said lid means and a second object supporting portion having a free end and extending from the other end of the said first object supporting portion at such an angle therefrom as to be located substantially horizontally in said closed position of said lid means, said second object supporting portion being located in the lower portion of said storage space and immersed in the liquid held therein and said free end being adjacent said front wall of said container when said lid means is in storage space closing position, so that in said closing position of said lid means an object may be supported on said second object supporting portion without slipping from said free end and immersed in the liquid and in said open position of said lid means may be supported on said first object supporting portion and removed from the liquid.

3. A box, comprising, in combination, a container of plastic material integrally formed with upright side walls having top surfaces, a rear wall, a front wall and a bottom wall defining a storage space for holding a liquid in the lower portion of said storage space; lid means of plastic material having a top surface and pivotally supported on said walls for closing said storage space, said top surface of said lid means extending substantially in the plane of said top surfaces of said side walls in said closing position; and object supporting means integrally formed with said lid means for movement therewith, said object supporting means comprising a plurality of angular brackets each having a first object supporting portion integrally formed with said lid means at one end and extending from the said lid means for a distance substantially equal to the distance between said bottom wall and the said lid means in the said closing position of the said lid means and located substantially horizontally in said open position of said lid means and a second object supporting portion integrally formed with said first object supporting portion and having a free end, said object supporting portion extending from the other end of the said first object supporting portion for a distance substantially equal to the distance between said front wall and said rear wall in the said closing position of the said lid means at such an angle as to be located substantially horizontally in said closing position of said lid means, so that in said closing position of said lid means an object may be supported on said second object supporting portion without slipping from said free end and immersed in the liquid and in said open position of said lid means may be supported on said first object supporting portion and removed from the liquid.

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