May 31, 1938. H. A. TROXEL 2,118,906

ADVERTISING DEMONSTRATOR

Filed May 1, 1935

Fig. 1.

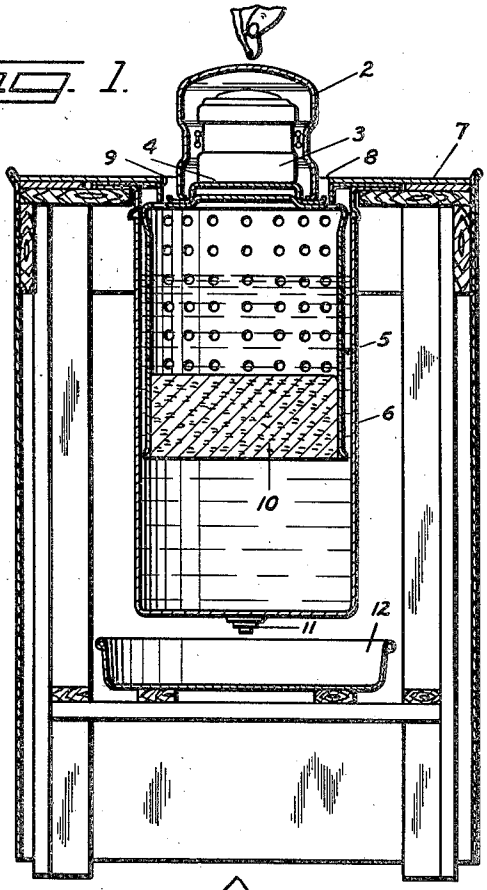


Fig. 2.

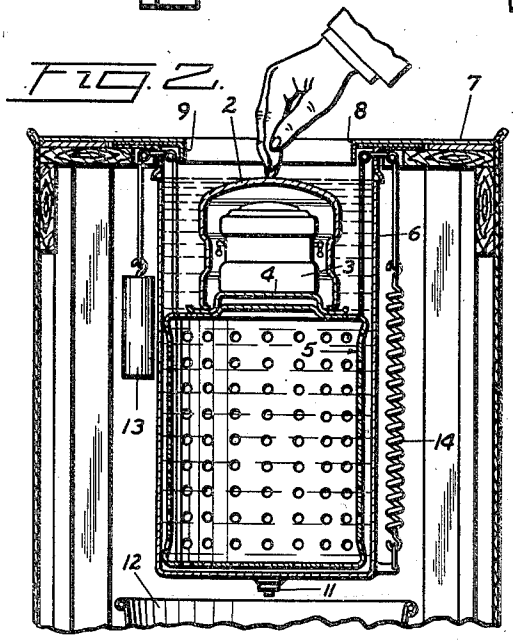
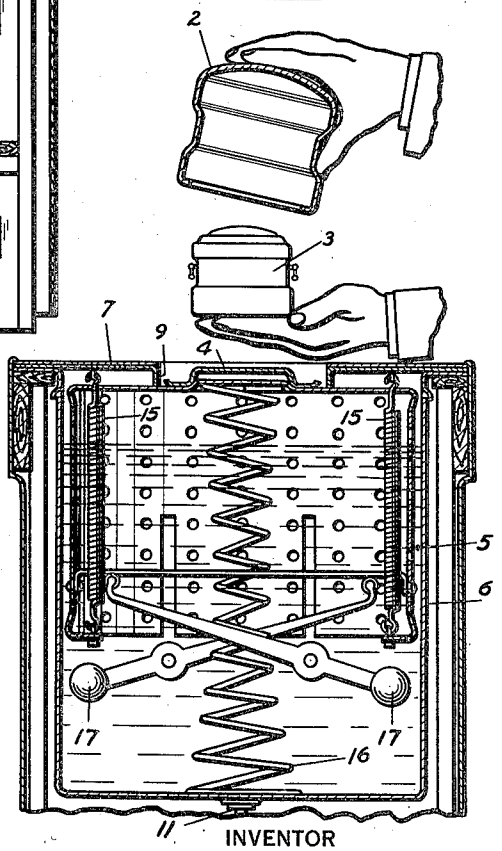


Fig. 3.



INVENTOR

HARLEY A. TROXEL

BY

Barnes, Kisselle, Laughlin & Raisch

ATTORNEYS

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ADVERTISING DEMONSTRATOR

Harley A. Troxel, Flint, Mich.

Application May 1, 1935, Serial No. 19,154

6 Claims. (Cl. 35—49)

This invention relates to an advertising demonstrator and more particularly to a device for demonstration by immersion.

It is the object of the present invention to provide an advertising device for demonstrating the sealing properties of grave vaults and the like in which the sealing is by the air-bell type. More specifically, it is the object of the present invention to provide a miniature casket and vault therefor and a device for permitting the casket and vault to be readily immersed with very little pressure and which device will return the casket and vault, or similar objects, to their original position.

Other features have to do with details of the immersion unit and details of structure as will be more clearly brought out in the specification and claims.

In the drawing:

Fig. 1 is a vertical sectional view of one form of my demonstrator wherein the object and cover are shown in their normal position, a float being used to just counter-balance the weight of the demonstrator parts.

Fig. 2 is a view similar to Fig. 1 showing the object and cover being immersed by a slight pressure and showing the absence of liquid beneath the cover, a modified form of counter-weighting mechanism being used.

Fig. 3 is a view similar to Figs. 1 and 2 but showing the article and cover being returned to normal position and the cover being removed to further illustrate the demonstration, a still further modified form of counter-weighting mechanism being illustrated in this figure.

The main purpose of my device is an advertising demonstration of air sealed objects by immersion, and in the preferred form of my advertising device I utilize for the demonstration a miniature grave vault cover 2 and a miniature casket 3, said cover, or at least a portion thereof, preferably being of glass. Normally the cover 2 and object 3 are mounted on a base 4 which base is carried by a support or guide member 5.

The guide member 5 is adapted to be lowered within a tank 6 carrying a given amount of liquid. A demonstrating cabinet is generally illustrated as at 7 and the top of this cabinet is provided with an opening 8 for the reception of the cover 2. Depending from the top of the cabinet 7 is a seat 9 against which the support or guide 5 is adapted to contact.

The weight of the cover 2, object 3 and the guide or support 5 is counterbalanced in some manner so that the cover 2 and object 3 are normally held in the position shown in Fig. 1; however, this counterbalancing is just sufficient to maintain this normal position so as to make it possible to readily move the cover 2 downwardly to immerse the same. This shows the prospect that the cover is not held up by a very strong force. In Fig. 1 I have shown a float 10 sufficient to just counterbalance the weight of the other parts. A drain plug 11 is provided for the tank 6 and an overflow pin 12 is so positioned as to take care of the overflow at the time of immersion in the event too much water is originally placed in the tank.

Fig. 2 illustrates the manner in which the support or guide, the cover and the object are immersed, very little pressure being required to immerse the object and the cover and the operator seeing that the cover is immersed and also that the interior thereof remains dry. In this figure I have illustrated how counterbalancing may be obtained by the use of a pulley 13 or a spring 14. In the preferred form of the device, the cover and object will return to their original position on their own power, or on the power created in making the downward stroke. The balancing means, whether the float or the weights, may be made relatively stronger or heavier to obtain a quicker and more positive return of the parts to normal position.

The cover 2 and the article 3 are loosely positioned on the base member 4 and in Fig. 3 I have illustrated how the cover and article can be removed to further illustrate the demonstration and to show the absence of liquid or moisture beneath the cover. In Fig. 3 I have also illustrated modified forms of balancing means which may be tension spring means 15, compression spring means 16, or weights and levers 17, each of which may be used separately or in combination to hold the cover 2 and article 3 in their normal exposed position.

What I claim is:

1. An advertising demonstrator device comprising an enclosure having an opening in the top wall, a tank of liquid depending beneath the opening, a base member slidable in said liquid tank, a miniature demonstrating cover having air tight side and top walls and an open bottom and adapted to rest on the top of said base member, said opening in the enclosure being of a size to permit said cover to pass therethrough, and counterbalancing means operably connected with said base member to move said base member and cover to the top of said tank after immersion and to

maintain the cover in exposed position above the liquid in the tank.

2. An advertising demonstrating device comprising an enclosure having an opening in the top wall, a tank of liquid depending beneath the opening, a support and guide member forming a movable base member whereby the base member is movable into said liquid tank, said base member being formed to receive a miniature box-like demonstrating cover having an open bottom, means depending from the top of the enclosure forming a seat against which the support normally contacts, and counterbalancing means operably connected with said base member to urge the base member upward thereby normally maintaining the cover in exposed position above the liquid in the tank.

3. An advertising demonstrating device comprising an enclosure having an opening in the top portion, a tank of liquid depending beneath the opening, a support and guide member forming a base member for receiving a miniature cover to be demonstrated, said cover being box-like in shape and having an open bottom adapted to rest on said base, said base and cover being movable whereby they may be manually immersed in said tank, and counterbalancing means operably connected with said base member and normally operable to maintain said cover in exposed position above the liquid in the tank.

4. An advertising demonstrating device comprising an enclosure having an opening in the top portion thereof, a tank of liquid depending beneath the opening, a perforate support and guide member forming a base member for receiving a miniature cover to be demonstrated, said cover being of hollow rectangular shape with an open bottom, said opening being of sufficient size to permit the cover to pass therethrough, said perforate support and guide member being movably mounted whereby the base member and cover may be easily immersed by hand, and counterbalancing means operably connected with said base member to maintain the cover normally in exposed position above the top of the enclosure and operable to return said cover to exposed position subsequent to manual immersion.

5. An advertising demonstrating device comprising a liquid container, a perforate support extending into said liquid for receiving a miniature cover to be demonstrated, counterbalancing means operably connected to said support and of such strength as to counterbalance the weight of the means being demonstrated and the support whereby said means is normally positioned above the liquid, said counterbalancing means cooperating with said support to return the support and cover to exposed position after manual immersion.

6. An advertising demonstrating device comprising a liquid container, a support for receiving a miniature glass cover and enclosed article to be demonstrated, counterbalancing means operably connected with said support and of such strength as to counterbalance the weight of the means being demonstrated and the support whereby said means is normally positioned above the liquid, said counterbalancing means cooperating with the support whereby to return the support and cover to exposed position after manual immersion.

HARLEY A. TROXEL.