

July 12, 1932.

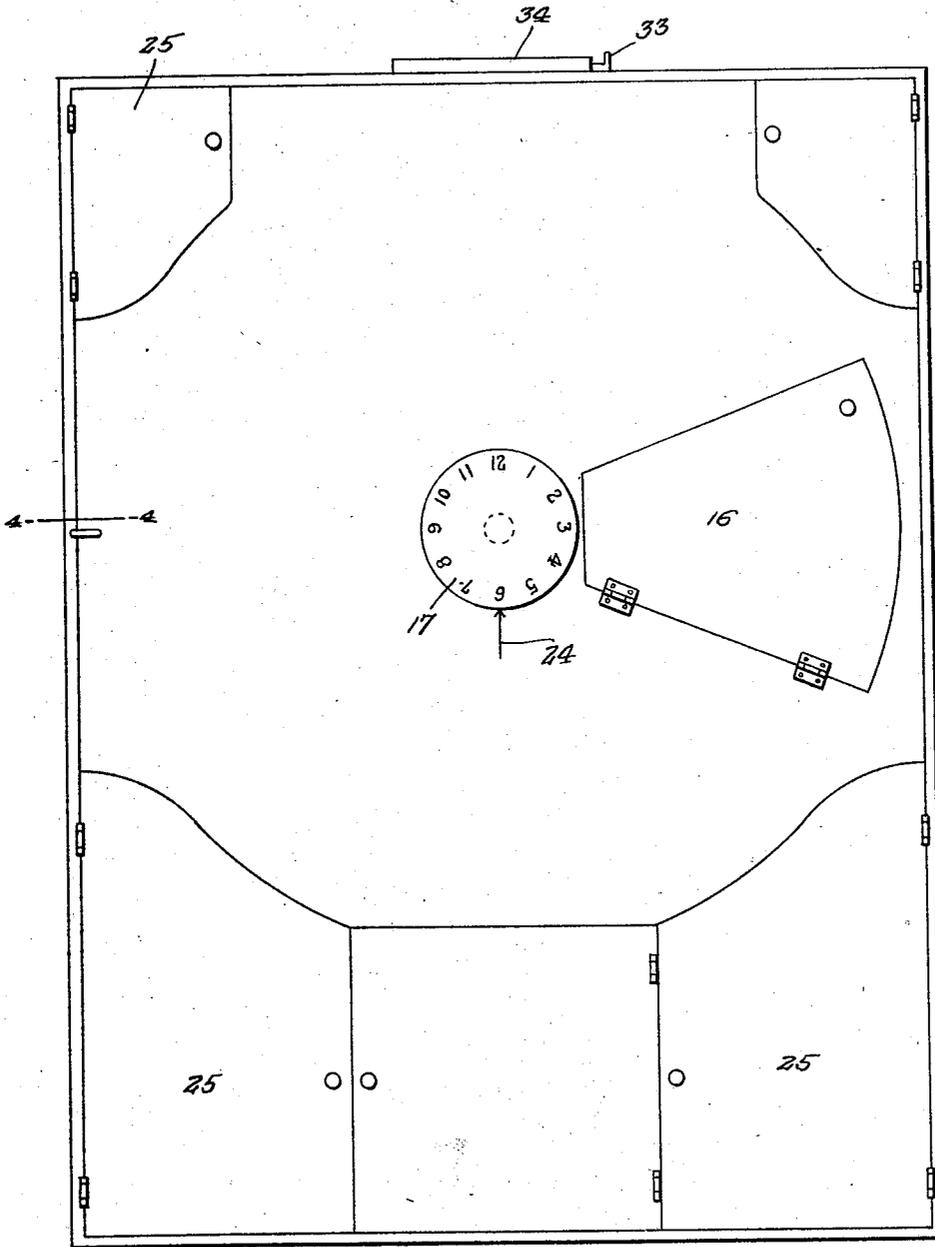
F. M. COONEY ET AL

1,866,621

HUMIDOR

Filed Jan. 20, 1931

3 Sheets-Sheet 1



*Fig. 1.*

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3 Sheets-Sheet 2

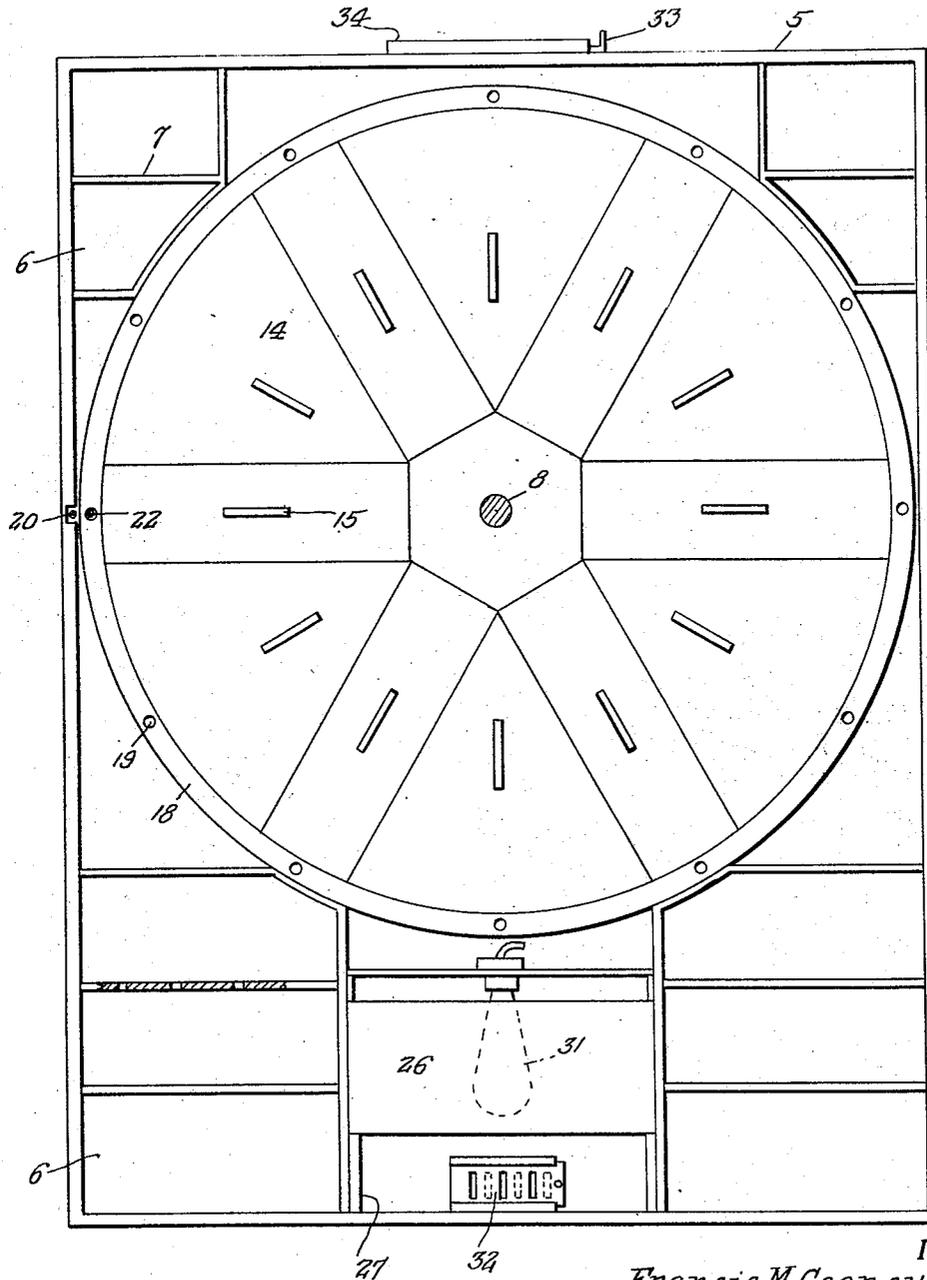


Fig. 2.

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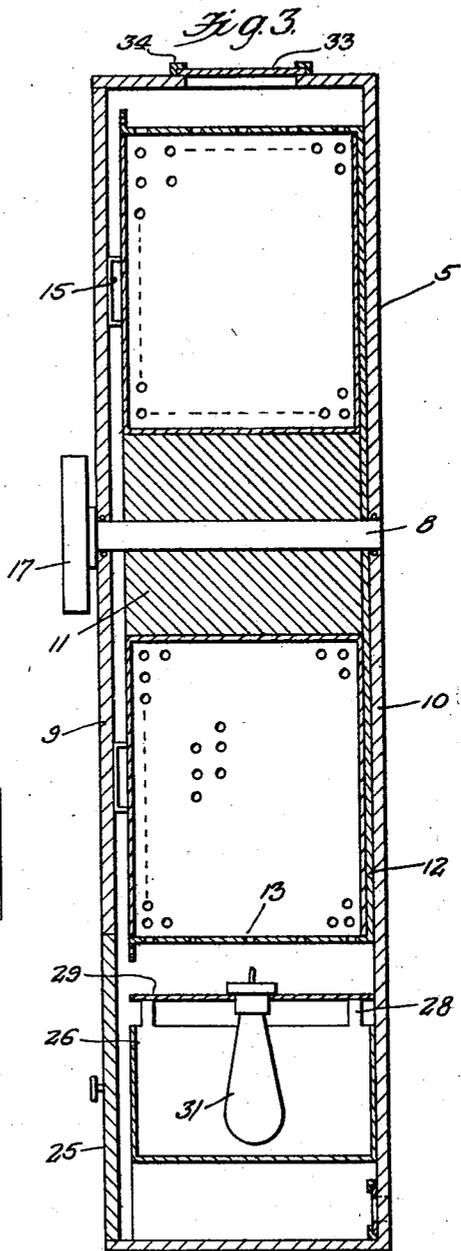
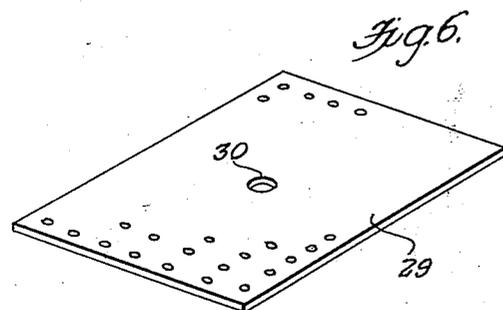
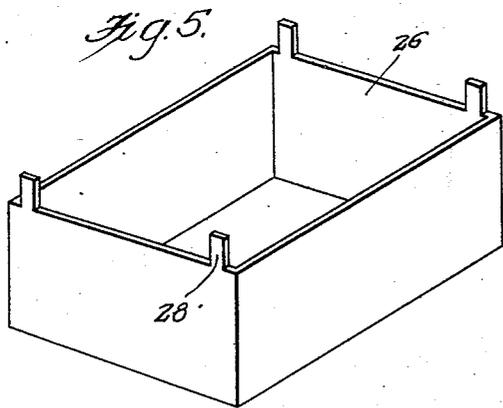
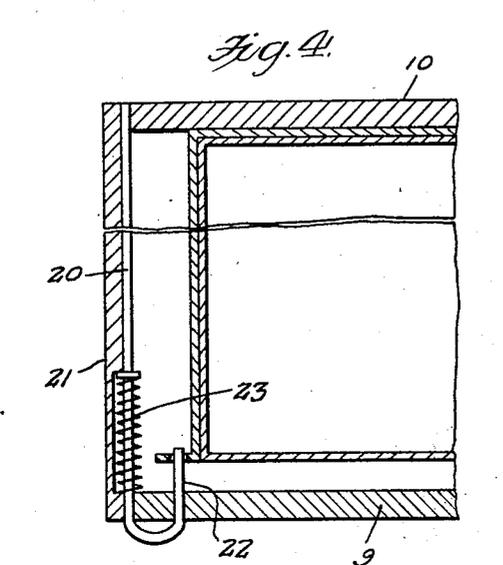
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HUMIDOR

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3 Sheets-Sheet 3



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# UNITED STATES PATENT OFFICE

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## HUMIDOR

Application filed January 20, 1931. Serial No. 510,046.

This invention relates to certain new and useful improvements in humidors and the primary object of this invention is to provide a humidor which will maintain the tobacco contents thereof in a fresh wholesome state.

A still further object of the invention is to provide a humidor equipped with a plurality of individual containers that are readily accessible.

Broadly, the invention comprehends the provision of a humidor having movably mounted therein a support, a plurality of containers arranged on the support, and adapted to be selectively moved into position opposite an opening provided in one wall of the humidor casing, whereby access may be had to the particular container or receptacle.

Other objects and advantages of the invention will become apparent during a study of the following description, taken in connection with the accompanying drawings wherein:

Figure 1 is a front elevational view of the humidor.

Figure 2 is an elevational view of the same with the front wall removed.

Figure 3 is a longitudinal transverse sectional view through the humidor.

Figure 4 is a fragmentary detail sectional elevational view taken substantially on the line 4-4 of Figure 1.

Figure 5 is a perspective view of a water trough.

Figure 6 is a perspective view of an apertured cover plate for the trough.

With reference more in detail to the drawings, it will be seen that the humidor comprises a casing 5 provided adjacent each corner thereof with a compartment 6. Each compartment 6 is provided with one or more perforated shelves 7.

A shaft 8 is journaled between the front and rear walls 9 and 10 respectively of the casing. Mounted on the shaft 8 for rotation therewith is an annular drum or receptacle support, the same including a hub 11, an end plate 12 and a peripheral rim 13. The rim 13 is preferably perforated as shown. The hub 11 may be formed of wood, while the end wall 12 and rim 13 may be formed of metal

or any other suitable and durable material.

Preferably, in cross section the hub 11 is hexagonal. Arranged between the hub 11 and the rim 13 and constrained to slide axially relative to the drum or support, are a plurality of receptacles or containers 14. Certain of the containers 14 are substantially V-shaped, while other of the containers are substantially rectangular (see Figure 2).

Each of the containers 14 is open at one side thereof, and it will be apparent that the open side of each container is normally closed by the peripheral wall 13 of the drum. The walls of the container are preferably perforated as suggested in Figure 3, and the front wall of each container is equipped with a suitable handle 15.

Obviously, upon rotation of the drum or support, a selected container 14 may be moved to a position opposite a substantially segmental opening provided in the front wall of the casing. The referred to opening is normally closed by a suitable hinged door 16.

At the front of the casing 5, the shaft 8 is equipped with a dial 17, the numbers of which are arranged in an annular series there being one number for each receptacle or container 14.

At its open end, the drum has its rim provided with an annular flange 18 projecting radially outwardly from the rim. The flange 18 is provided with a series of holes 19 spaced an equal distance apart, there being one hole 19 for each receptacle or container 14.

A catch rod 20 is slidably supported adjacent one end wall 21 of casing 5, and at the forward end thereof is provided with a return bend to provide an extension 22. Extension 22 is slidable through a suitable aperture provided therefor in the front wall 9, and the terminal of the extension 22 is adapted to engage the openings 19 for retaining the drum against casual rotation. The extension 22 is normally engaged with a hole 19 through the medium of suitable spring means 23, the said walls 21 of the casing being suitably notched for accommodating the spring means 23.

The operation of the device thus far described is as follows:

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It being understood that each of the containers 14 has as its particular contents, a certain brand or blend of tobacco, cigars or the like, as the case may be, it may be presumed that one desires that brand or blend of tobacco stored in that particular container 14 whose dial number is six. Dial 17 is then rotated in a clockwise direction until the numeral 6 is opposite a fixed pointer 24 provided on the front wall 9 and adapted to be read against the graduations on the dial. The dial having thus been turned to position the number 6 as suggested in Figure 1, that particular container or receptacle 14 of which six is the dial number, will be disposed opposite the opening closed by the door 16. Door 16 may then be swung open, and the particular container 14 slid outwardly of the drum whereby access may be had to the contents of the particular container.

Obviously, prior to rotating the drum, catch rod 20 is pulled forwardly against the action of spring 23 for disengaging extension 22 from a hole 19. When the drum has been rotated in the manner just explained, a hole 19 will have been moved into suitable position for accommodating the extension 22 whereby the drum is locked against rotation, and held against casual displacement during the sliding of the particular container 14 relative to the drum.

Compartments 6 provide storage compartments and access to the compartments may be obtained through suitable openings provided in the front wall 9 opposite each of the compartments. These openings are normally closed by hinged doors 25.

In the bottom of the casing 5 there is arranged a water trough or pan 26. Pan 26 is slidably supported on suitable cleats 27. Adjacent each corner thereof pan 26 has a lug 28 rising from the upper edge of the wall of the pan. Lugs 28 support an apertured cover plate 29. Cover plate 29 is provided with a centrally located aperture 30 for accommodating the socket of an electric light bulb 31 as shown in Figures 2 and 3. Bulb 31 extends downwardly into the liquid in trough or pan 26. Thus the air in the casing 5 will be maintained in a moist state and will rise upwardly to permeate the casing and the containers 14 as well as compartments 6 thus keeping the contents of the humidifier in a fresh desirable state.

A suitable air inlet controlled by a slide 32 is provided in the bottom of the casing at the rear thereof. The top wall of the casing is provided with an outlet for the air, and the outlet is controlled by a suitable slide 33 constrained to slide between oppositely disposed guides 34.

From the foregoing then it will be seen that we have devised a humidifier, within which may be arranged a plurality of containers each having a particular brand of tobacco stored

therein, and access may be had to any desired container with a minimum amount of labor and within a comparatively short period of time.

Even though we have herein shown and described the preferred embodiment of the invention, it is to be understood that the same is susceptible of changes, modifications and improvements coming within the scope of the appended claims.

Having thus described our invention, what we claim as new is:

1. A humidifier comprising in combination a casing the walls of which are opaque, humidifying means arranged within the casing, a drum rotatably mounted in the casing in operative position to said humidifying device, and having a perforated peripheral wall and a circular series of perforated containers arranged within the drum and adapted to be selectively positioned opposite an aperture in one wall of the casing, means exteriorly of the casing for rotating the drum, and including a dial having an axis common to the axis of said drum.

2. A humidifier comprising in combination, a casing provided adjacent each corner thereof with a compartment, humidifying means arranged between two adjacent compartments, a drum rotatable on an axis centered with respect to said compartments, said casing having a wall substantially closing one side of the drum and provided with an aperture, a circular series of drawers slidably arranged in the drum, slidably in a plane corresponding to the plane of said axis and being adapted to selectively align with said aperture, said drum and each of said drawers having walls thereof perforated.

3. A device of the class described comprising in combination, a rotatably mounted drum open at one side thereof, a casing in which said drum is mounted and having a wall presenting a relatively fixed closure for the open side of the drum and provided with an aperture, a circular series of varied shaped containers slidably arranged within the drum for selective alignment with said aperture, a rotatable pin supported by the wall of the casing and to which said drum is keyed for rotation with the pin, and a dial on one end of the pin exteriorly of the casing.

4. A humidifier comprising in combination a casing having a wall provided with an aperture, a drum having a perforated peripheral wall and rotatably mounted in the casing, said drum being open at one side thereof, a plurality of drawers slidably arranged in the drum and adapted for selective alignment with said aperture, means operable exteriorly of the casing for rotating the drum and including a dial having an axis common to the axis of said drum, and means controlled from exteriorly of the casing for releasably securing the drum against casual rotation.

5. A humidifier comprising in combination  
a casing, a humidifying device in the casing,  
a drum having a perforated peripheral wall  
and rotatably mounted in the casing, a plu-  
5 rality of individual containers mounted in  
the drum, a circular flange on the drum and  
provided with relatively spaced apertures,  
and a latch member slidably supported in  
the drum and having an end projecting ex-  
10 teriorly through a wall of the casing and at  
said end provided with a return bend for re-  
entrance into the casing to engage a selected  
one of the apertures in said flange to secure  
the drum against casual rotation.  
15 In testimony whereof we affix our signa-  
tures.

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