July 24, 1928. 1,678,260

N. MARTINO ET AL

HUMIDOR

Filed July 13, 1927 2 Sheets-Sheet 1

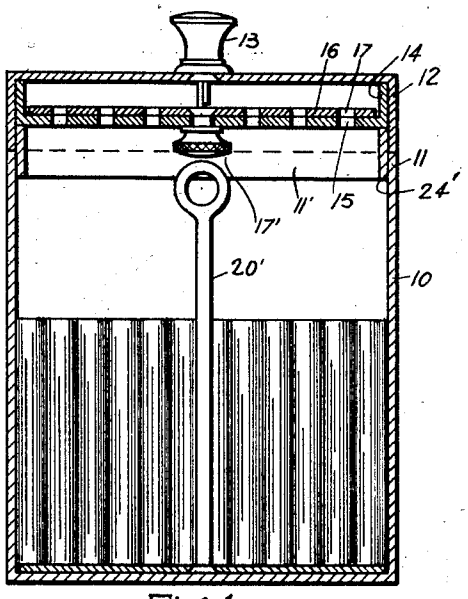


Fig-1

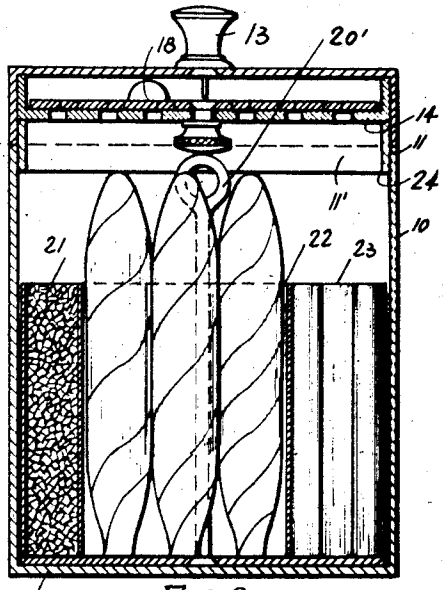


Fig-2

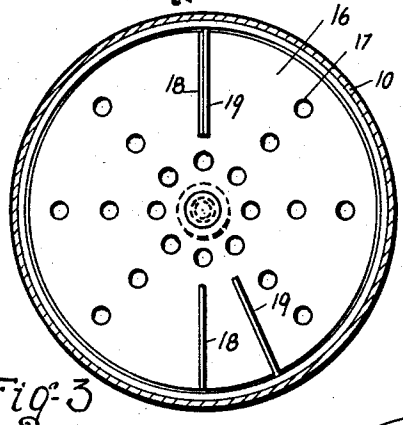


Fig-3

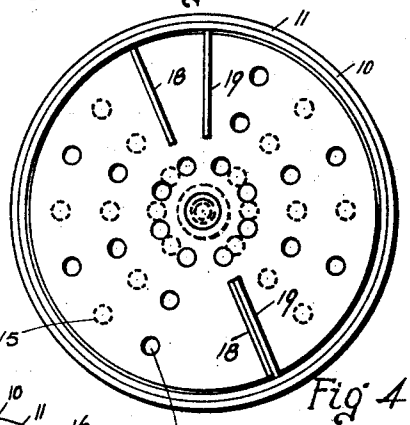


Fig-4

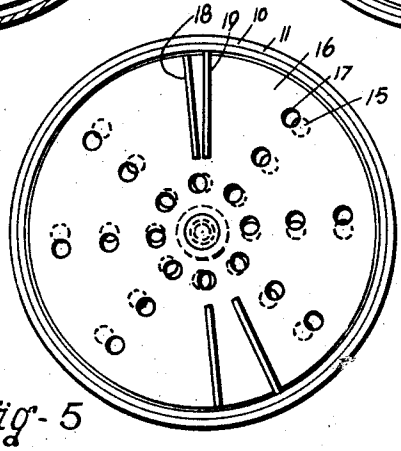


Fig-5

INVENTORS.
Natale Martino,
Philip Frasca, and
John E. Oster,
BY W. B. Hutchinson,
ATTORNEY

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N. MARTINO ET AL

HUMIDOR

Filed July 13, 1927 2 Sheets-Sheet 2

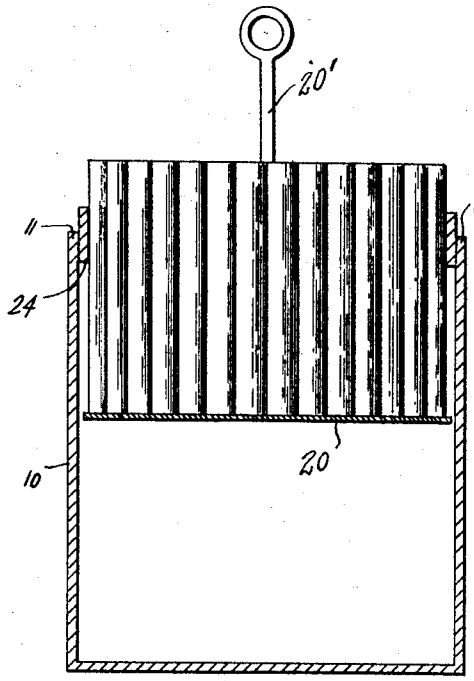


Fig. 6

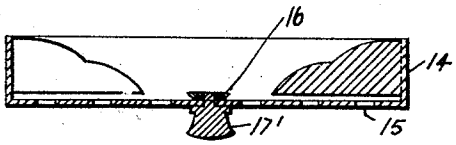


Fig. 7

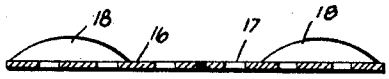


Fig. 8

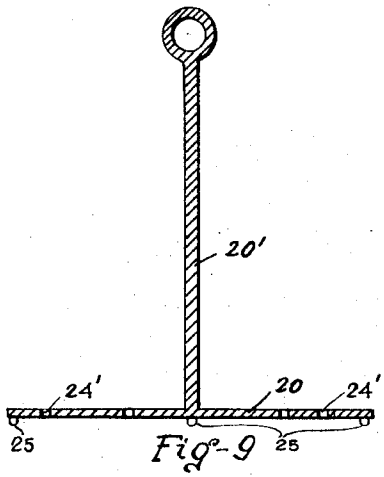


Fig. 9

INVENTORS.
Natale Martino,
Philip Frasca, and
BY John A. Oakes
W. B. Hutchinson,
ATTORNEY

Patented July 24, 1928. 1,678,260

UNITED STATES PATENT OFFICE.

NATALE MARTINO, PHILIP FRASCA, AND JOHN E. OSTER, OF NEW YORK, N. Y.

HUMIDOR.

Application filed July 13, 1927. Serial No. 205,360.

Our invention relates to improvements in humidors and the object of our invention is to produce a simple and convenient humidor which can be tightly sealed and which will serve to keep cigarettes, tobacco, cigars and the like, in perfect temper and to give to the said articles the desired flavor or aroma.

The invention is also intended to produce a humidor which will afford a convenient container for articles such as those mentioned and besides keeping them in temper will facilitate easy access to them and their easy removal from the humidor.

The invention is further intended to produce a structure in which a tray carrying a desired humidifying agent is carried in the upper part of the receptacle and is provided with means for adjustment to the end that the desired amount of the humidifying agent may be permitted to permeate the body of the receptacle.

The invention is also intended to provide a convenient lifter by which the articles may be raised to a point where they may be readily removed.

Figure 1 is a vertical section of the humidor showing it carrying cigarettes.

Figure 2 is a view similar to Figure 1 but with the tray regulator adjusted differently and with other articles in the humidifier.

Figure 3 is a sectional plan showing the circulation holes open.

Figure 4 is a view similar to Figure 3 but with the circulation holes closed.

Figure 5 is a view similar to Figures 3 and 4 but with the circulation holes partly open.

Figure 6 is a section of the humidifier with the cover removed and with the lifter raised.

Figure 7 is a detail of the tray.

Figure 8 is a sectional detail of the adjusting plate of the tray and,

Figure 9 is a vertical section of a modified form of the lifter.

The humidifier has a box 10 of the desired shape and size, which near the top has a shoulder 11 upon which rests a cap 12 and the latter is provided with a knob 13, or its equivalent, to facilitate its removal.

The humidifier is provided with a tray 14 to carry the humidifying agent, which can be any suitable material capable of giving off moisture and fragrance, and the tray rests on the top of the ring 11′ which may be integral if preferred with the body 10, and which projects above the shoulder 11 so that the bottom of the tray and the bottom of the cap cover are out of alignment, thus breaking the joints and making a more perfect seal.

The tray 14 has holes 15 through the bottom and resting on the bottom of the tray is a regulating plate 16 having holes 17 therethrough which may register with the holes 15 in the tray bottom.

The regulating plate is centrally pivoted on the tray bottom and it has a knob 17′ on the under side of the pivot by which the plate 16 may be turned so as to bring the holes 17 and 15 into and out of registry or partly in registry.

To provide for easy and quick adjustment the plate 16 is preferably provided with abutments 18 on the upper side which are adapted to abut with complementary abutments 19 on the sides of the tray, so when one pair of abutments 18 and 19 are in contact, as in Figure 3, the holes 15 and 17 will register and when the other pair are in abutment the holes will be out of registry and circulation closed, or the plate 16 may be adjusted as in Figure 5 to partly open the holes.

On the bottom of the humidor is a lifter which comprises a plate 20, lying on the bottom, and handle member 20′ which extends to the upper part of the humidifier and is attached to the middle portion of the plate 20. If desired, the lifter can carry compartments 21, 22, 23 (see Figure 2) for carrying tobacco, cigars or cigarettes, and obviously the lifter can have its carrying parts to suit the convenience without affecting the invention. It will be noted, however, that in the preferred arrangement shown the bottom of the ring 11′ forms a shoulder 24 against which the plate 20 strikes when lifted and which prevents the entire removal of the lifter from the humidor.

The lifter may, if preferred, have the plate 20 perforated as shown at 24′ and provided with short legs 25 on the under side. For some goods this arrangement is desirable as the legs hold the plate 20 off the floor and the perforations provide for circulation of air beneath the lifter so as to readily reach the material at the bottom part thereof.

Thus it will be seen that we have produced a very simple and convenient structure which can be easily made air-tight and by which a humidifying agent of any kind can be carried and the right amount of circulation

provided for. It will also be seen that the device is very convenient and that the lifter provides for the proper spacing of the articles so that they may be easily tempered, and for the easy removal of them without injury.

We claim:

1. A humidifier comprising an open top casing, a perforated tray supported in the upper part of the casing, a plate rotatably moveable on the tray bottom and having holes arranged to be brought into or out of registry with the perforations of the tray, complementary abutments on said plate and casing cover to limit the movement of the plate and a cover fitting over the tray and against the upper part of the casing in a manner to break joints with the tray.

2. A humidifier comprising a casing, a humidifying tray in the upper part of the casing, a cover for the casing, a vertically moveable lifter lying on the casing bottom, said lifter having a perforated bottom and legs on the under side thereof and an abutment within the casing to limit the upward movement of the lifter.

3. A humidifier comprising a casing open at the top, a ring within the casing near the top projecting above the top edge of the casing, a cover fitting over the ring and abutting with the top edge of the casing, and a perforated tray seated on the ring with its side walls substantially filling the space between the ring and the top of the cover.

4. A humidifier comprising a casing open at the top, a ring fitting the upper part of the casing and projecting above the top edge thereof whereby the upper part of the ring serves as a tray support and the lower edge as an abutment, a perforated tray seated on the ring, a cover fitting over the tray and the upper part of the ring to abut with the top edge of the casing, and a lifter movable in the lower port of the casing and limited in its upward movement by the aforesaid ring.

In testimony whereof, we have signed our names to this specification this 11th day of July, 1927.

NATALE MARTINO.
PHILIP FRASCA.
JOHN E. OSTER.