

C. E. DANFORTH.

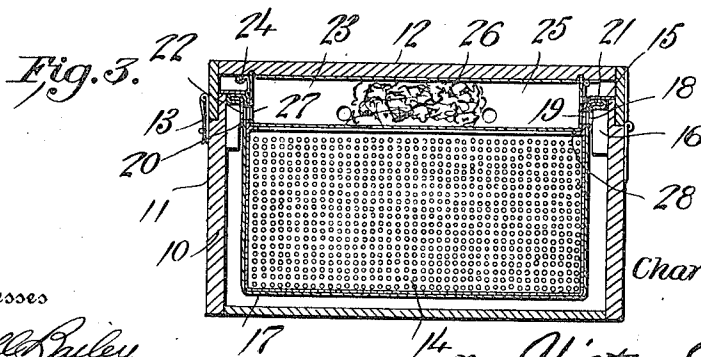
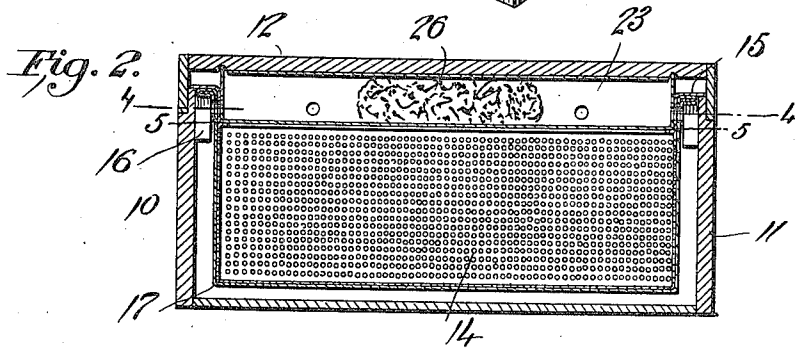
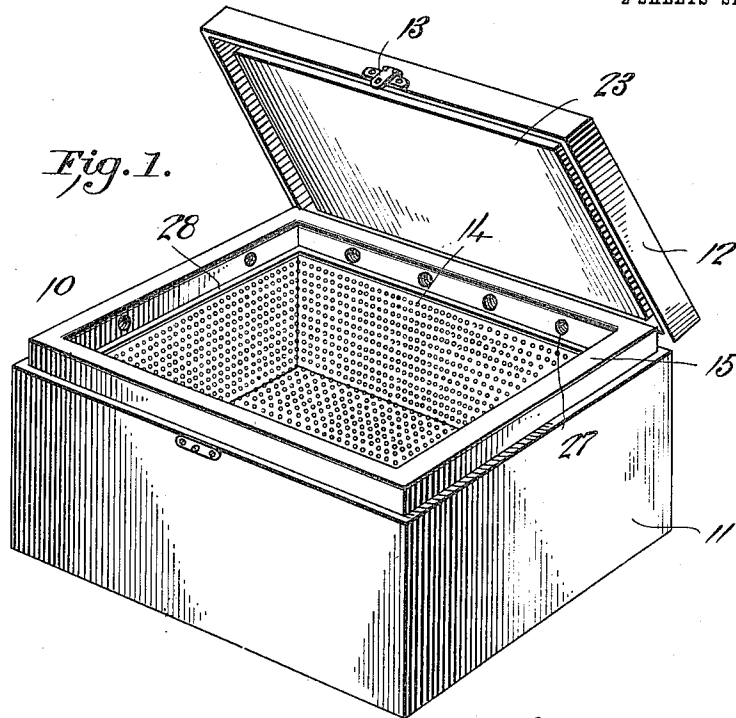
HUMIDOR.

APPLICATION FILED NOV. 12, 1912.

1,090,693.

Patented Mar. 17, 1914.

2 SHEETS—SHEET 1.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 4.

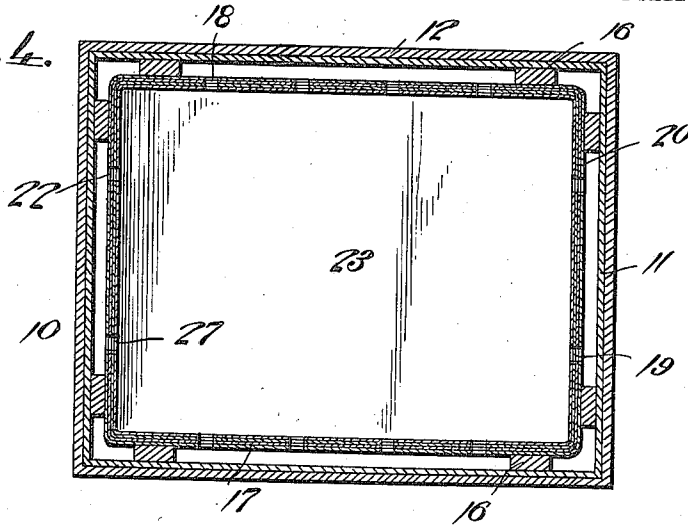


Fig. 5.

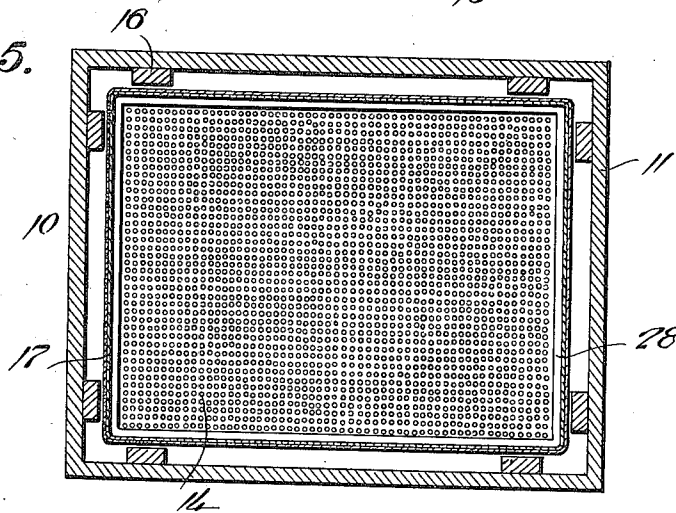
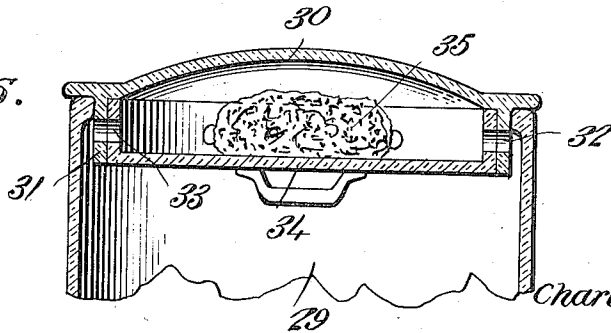


Fig. 6.



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UNITED STATES PATENT OFFICE.

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HUMIDOR.

1,090,693.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES E. DANFORTH, a citizen of the United States, residing at West Somerville, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Humidors, of which the following is a specification.

An object of the invention is to provide a humidor particularly adapted for tobacco, for retaining substances in a moistened or semi-moistened state.

The invention embodies, among other features, a humidor for cigars, tobacco, or other products and which retains the same at an even temperature or in a semi-moistened condition in order to preserve the product.

In the further disclosure of the invention reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which:

Figure 1 is a perspective view of the humidor, showing the same in partially open position; Fig. 2 is a vertical longitudinal sectional view of the humidor; Fig. 3 is a vertical transverse sectional view of the humidor; Fig. 4 is a horizontal sectional view taken on the line 4—4 in Fig. 2; Fig. 5 is a horizontal sectional view taken on the line 5—5 in Fig. 2; and Fig. 6 is a fragmentary vertical sectional view of a modified form of humidor.

Referring more particularly to Figs. 1 to 5 inclusive, I disclose a humidor 10 including a casing 11 having a lid 12 mounted to swing thereon and normally secured in closed position by a suitable cap 13, as shown.

A perforated tray 14 is removably arranged in the casing 11, the said tray being preferably made of a perforated metal provided with an integral laterally extending flange 15 adapted to lie upon supporting members 16 secured to the inner faces of the sides and ends of the casing 11 in order to support the tray 14 within the casing. A jacket 17, preferably made of an absorbent material, is mounted to inclose the perforated portions of the tray 14 as shown, the said jacket being provided with a series of openings 18 registering with openings 19 formed in the tray 14, the jacket 17 being removable from the tray and normally held to inclose the perforated portion of the

tray by a perforated retaining member 20 of a shape substantially similar to the perforated portion of the tray 14, but larger, in order that the retaining member may entirely inclose the jacket 17, the said retaining member having an integral lateral flange 21 adapted to lie immediately beneath the flange 15 of the tray 14 when the retaining member is placed in position to inclose the jacket 17, with the jacket interposed between the tray and the retaining member, the said retaining member being provided with a series of openings 22 registering with the openings 18 in the jacket and the openings 19 in the tray, the flange 21 of the retaining member being also adapted to repose upon the supporting members 16 of the casing so that the said supporting members will support the retaining member and the tray within the casing, with the jacket 17 interposed between the retaining member and the tray, as mentioned heretofore.

A cover 23 for the tray 14 is mounted to swing on the lid 12 of the casing 11 and is normally held in closed position by a suitable cap 24, the said cover providing a chamber 25 between a wall of the cover 23 and the lid 12 of the casing 11 in order to receive in the chamber 25 a sponge or other moistening member 26. The cover 23 is provided with a series of openings 27 and when the lid 12 of the casing 11 is arranged in closed position, the cover 23 will depend within and close the tray, with the openings 27 in the cover 23 registering with the openings 19 in the tray, thus also registering with the openings 18 of the jacket and the openings 22 of the retaining member 20, a continuous horizontal stop flange 28 being preferably formed on the tray 14 and projecting therein in order to receive and support the cover 23 of the tray when the lid 12 of the casing 11 is arranged in closed position.

In the use of the device described, the sponge or other moistening member 26 is first moistened and placed within the cover 23 for the tray 14, after which the cover 23 is secured in closed position on the lid 12 of the casing 11. Cigars, tobacco or other products are now placed in the tray 14 and, when the cover 12 is arranged in closed position on the casing 11, the openings 27 in the cover 23 will register with the openings 18, 19 and 22 of the jacket 17, the tray 14

and the retaining member 20, respectively, so that the moisture from the sponge or moistening member 26 can pass through the registering openings and be taken up and absorbed by the jacket 17 inclosing the tray 14. It will now be seen that in view of the fact that the jacket 17 incloses the perforated portion of the tray 14, the moisture in the jacket will pass to the products within the tray and a continuous supply of moisture will at all times be taken from the moistening member 26 in the cover 23 to the jacket 17 interposed between the tray 14 and the retaining member 20, thus retaining the articles or products within the tray in a preserved or semi-moistened condition and preventing the products from becoming dry and unfit for use.

In Fig. 6 I disclose a modified form of my device and in which use is made of a jar 29 adapted to receive tobacco or some other product which it is desired to retain in a moistened state, a lid 30 being provided for removable engagement with the jar 29 to close the same, the said lid including a depending annular flange 31 which extends into the jar and retains the lid in position on the jar, the said flange having openings 32 therein adapted to register with openings 33 formed in a circular cover 34 adapted to be received within and encircled by the annular flange 31 of the lid, a suitable moistening member 35 being preferably arranged within the lid and between the lid and the cover, as shown.

Now referring to Fig. 6 it will be seen that the moisture from the moistening member will pass through the registering openings 32 and 33 and thence into the space between the annular flange 31 and the jar, from which the moisture will pass downwardly into the jar to be absorbed by the contents thereof.

In the use of the humidors described herein clear and definite passages are provided to conduct moisture from the cover or lid of the humidor into the body of the humidor in order to moisten the contents thereof and

preserve the contents in a state which will retain the same in proper condition for use, the clear and defined passages being formed by having the apertures of one member of the humidor registering with the apertures of another member or cover when the lid of the humidor is in closed position thereon.

Having thus described my invention, I claim:

1. In a humidor, the combination with a casing, of a lid therefor, a cover carried on the lid and forming a moisture holding chamber, a tray including perforated sides and a perforated bottom, supported in the said casing and adapted to have the cover moved therein when the lid is closed to form a closure for the said tray, and a jacket carried within the casing and inclosing the sides and bottom of the said tray.

2. In a humidor, the combination with a casing, of a lid therefor, a cover carried on the lid and forming a moistening chamber having apertures therein, and a tray supported in the casing and provided with apertures adapted to register with the apertures in the cover when the said lid is arranged in closed position on the casing, to establish communication between the said cover and the said casing.

3. In a humidor, the combination with a casing, of a lid therefor, a cover depending from the lid and forming a moisture holding chamber provided with a plurality of apertures, and a tray including perforated sides and a perforated bottom, the said tray being supported in the said casing and adapted to have the cover extend therein when the said lid is arranged in closed position on the casing, with apertures in the said tray registering with the apertures in the said cover.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES E. DANFORTH.

Witnesses:

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MARION E. HANLON.