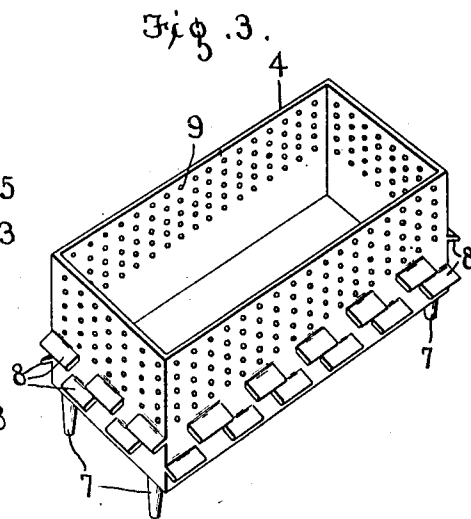
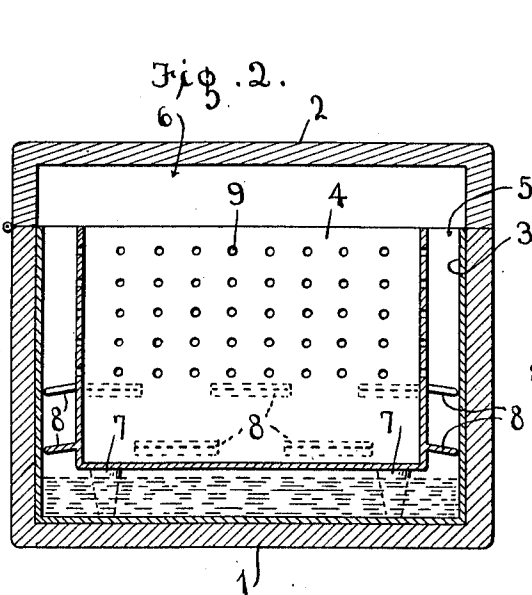
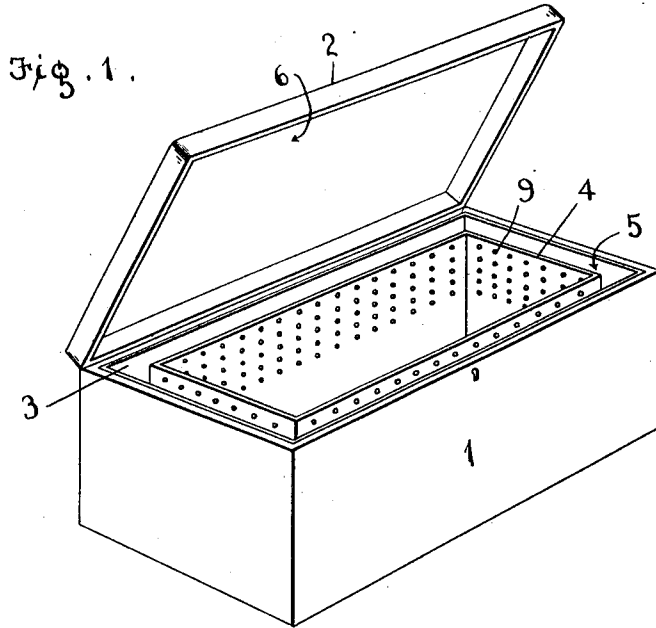


H. W. DOUGHTY.
HUMIDOR.

APPLICATION FILED JAN. 2, 1912.

1,026,154.

Patented May 14, 1912.



Witnesses
L. B. James
C. E. Hunt

H. W. Doughty

by *A. B. Wilson & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

HOWARD W. DOUGHTY, OF AMHERST, MASSACHUSETTS.

HUMIDOR.

1,026,154.

Specification of Letters Patent.

Patented May 14, 1912.

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To all whom it may concern:

Be it known that I, HOWARD W. DOUGHTY, a citizen of the United States, residing at Amherst, in the county of Hampshire and State of Massachusetts, have invented certain new and useful Improvements in Humidors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in humidors for cigars, cigarettes, tobacco and the like.

One object of the invention is to provide a humidor having an improved construction and arrangement of holder and receptacle for the cigars or other contents which will effectually prevent the vapor generating solution from being splashed into the same, and which is provided with means for permitting the free circulation of the humid air through the receptacle.

Another object is to provide a humidor which is particularly adapted for containing a humidifying solution of sodium-nitrate.

With these and other objects in view the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my humidor; Fig. 2 is a vertical cross section thereof; Fig. 3 is a detail perspective view of the box or receptacle for the cigars or other contents of the humidor.

My improved humidor comprises an outer box or casing 1 which may be of any desired shape and constructed of any suitable material. The box or casing 1 is provided with a cover 2 which is preferably hingedly connected with the box as shown. The body of the box is provided with a lining 3 formed of enameled metal, porcelain or other acid-resisting material. This lining may of course be dispensed with if the box itself is fluid tight and constructed of acid-proof material. Arranged in the box or casing 1 is an inner box or receptacle 4 which is also formed of enameled metal, porcelain or other suitable acid resisting material. The receptacle 4 preferably corresponds in shape to the shape of the inner side of the casing 1, but is smaller than the inside dimensions

of the casing to provide between the sides and ends of the receptacle and lining of the casing a continuous air circulating space 5. The top or cover 2 of the receptacle is hollow and thus provides an air space 6 above the receptacle as shown. The receptacle 4 is provided with suitable supporting feet 7 which rest on the bottom of the lining of the casing and support the receptacle a suitable distance above said bottom to provide a space for the humidifying solution. The receptacle is spaced from the inner sides or lining of the casing and held in a central position therein by a plurality of spacing lugs or flanges 8 which are preferably formed to incline downwardly to a slight extent from the receptacle toward the outer edges of the flanges and which are preferably arranged in two or more parallel rows one above the other and in staggered relation, or in other words, the flanges of the upper row are arranged above the spaces between the flanges of the lower row, thus forming an efficient baffle to prevent the solution in the bottom of the casing from splashing upwardly beyond the upper row of flanges, but which will not interfere with the free circulation of the humidified air passing upwardly from the solution. In the upper portion of the sides and ends of the receptacle are formed a plurality of perforations or apertures 9 through which and over the open top of the receptacle humidified air may freely circulate through and over the contents of the receptacle. The flanges 8 when arranged as herein shown and described will effectually prevent the humidified solution from being splashed through the perforations or over the top of the receptacle should the humidor be carelessly handled, tilted or violently jarred in any manner, thus protecting the contents of the receptacle from being wet or injured by the solution.

It has been found in practice that a saturated solution of sodium-nitrate gives the best results or produces a more desirable degree of humidity than other solutions, and if the cigars or other contents of the receptacle are too dry, the salt crystalizes and the water is given up and absorbed by the cigars until the vapor pressure in the humidor is equal to the vapor tension of the remaining saturated solution. If the cigars are too moist they will expel some of their moisture, so that some of the crystallized

salt again goes into solution and thus the equilibrium is restored. Heretofore the usual construction of humidors, for obvious reasons, prevented the use of a solution of this character and as hereinbefore stated, the present invention is designed particularly to permit the use of the sodium-nitrate solution, this use being permitted in my improved humidor first by forming the lining and receptacle of acid resisting material and secondly by constructing the receptacle in such manner as to positively prevent any of the solution coming into contact with the contents of the box, at the same time permitting the free circulation of the humidified air through the receptacle.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as claimed.

Having thus described my invention, what I claim is—

1. A humidor comprising a casing having an acid resisting lining, a cover to close said casing, a receptacle having acid resisting outer surfaces and having its upper portion perforated, supporting feet arranged on the bottom of the receptacle to space the same a suitable distance above the bottom of the casing, and combined spacing and baffle flanges arranged on the outer side of the casing below the perforations therein whereby the receptacle is held centrally in the casing, and the humidifying solution in the latter is prevented from being splashed up into the perforated upper portion or open top of the receptacle.

2. A humidor comprising a casing having an acid resisting lining, a hollow top to close said casing, a receptacle formed of

acid resisting material and having its upper portion perforated to provide a free circulation of air therethrough, combined spacing and baffle flanges arranged around the sides and ends of the receptacle below the perforated upper portion thereof, said flanges being arranged in rows and in staggered relation whereby the flanges of one row are disposed opposite the spaces between the flanges of the other row, said flanges inclining slightly from their inner toward their outer ends and feet arranged on said receptacle to support the latter a suitable distance above the bottom of the casing.

3. A humidor comprising a casing, a receptacle arranged in said casing and having an apertured upper portion, said receptacle being smaller than the interior of the casing whereby a space is formed between the receptacle and the casing, and baffle members arranged in staggered relation on the outer side of the receptacle below the apertures therein whereby the humidifying solution will be prevented from splashing into said receptacle.

4. A humidor comprising a casing, a receptacle arranged in said casing and having apertures in the side walls thereof, said receptacle being smaller than the interior of the casing whereby a space is formed between the receptacle and the casing, and combined spacing and baffle members arranged on the outer face of the receptacle below the apertures therein whereby the receptacle is centered in the casing and the humidifying solution prevented from being splashed into said receptacle.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HOWARD W. DOUGHTY.

Witnesses:

C. HOWARD MILLIKIN,
HOWARD D. ADAMS.