

No. 811,729.

PATENTED FEB. 6, 1906.

H. MACARTHY.
SHEET METAL HUMIDOR.
APPLICATION FILED OCT. 26, 1905.

2 SHEETS--SHEET 1.

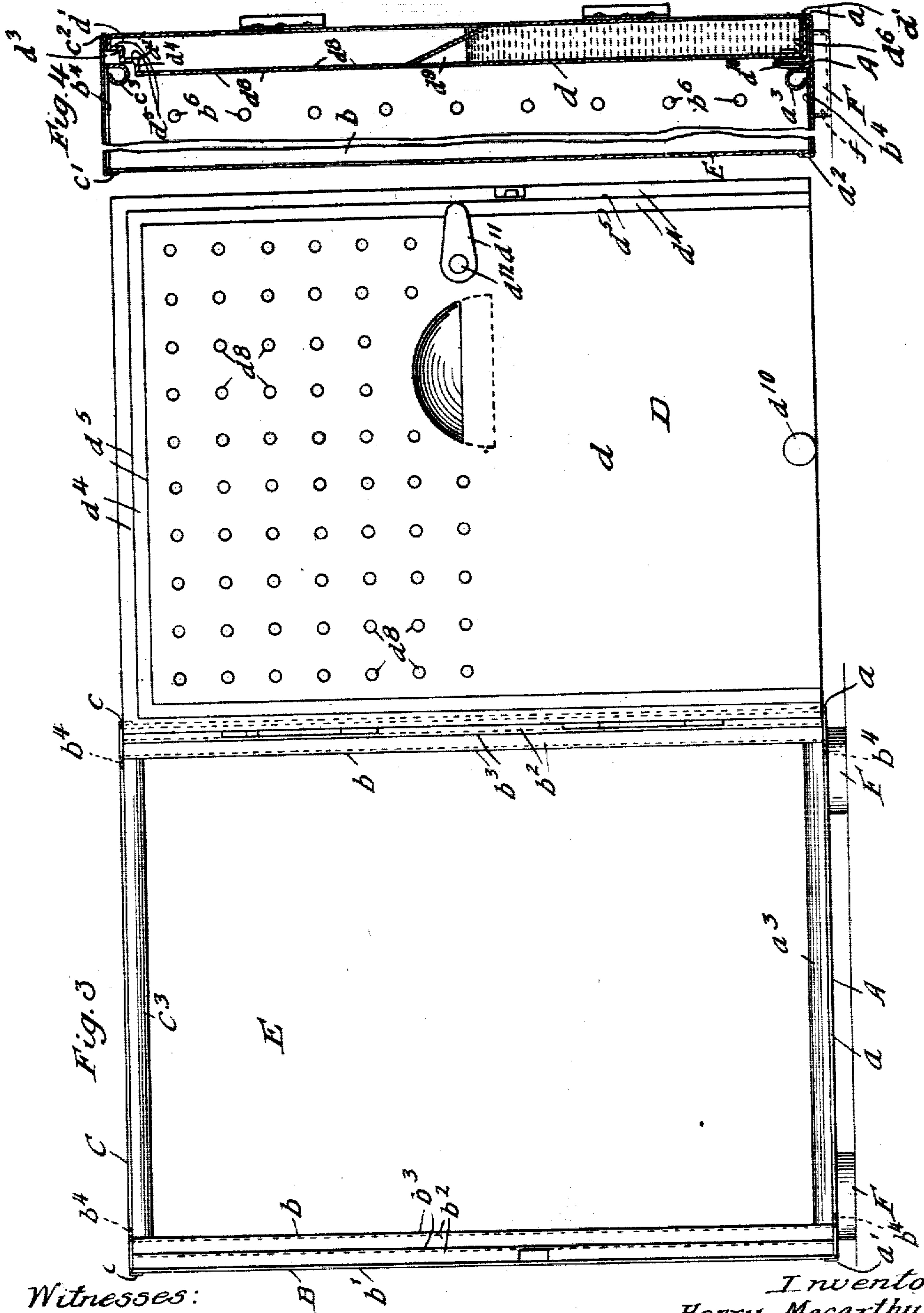
By Munday, Evans & Adcock.
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2 SHEETS—SHEET 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY MACARTHY, OF NEW YORK, N. Y., ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y.; A CORPORATION OF NEW JERSEY.

SHEET-METAL HUMIDOR.

No. 811,729.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed October 26, 1905. Serial No. 284,493.

To all whom it may concern:

Be it known that I, HENRY MACARTHY, a citizen of the United States, residing in New York, in the county of Kings and State of New York, have invented a new and useful Improvement in Sheet-Metal Humidors or Receptacles for Dampening and Preserving in a Properly Damp Condition Tobacco, Cigars, and other Articles, of which the following is a specification.

My invention relates to improvements in sheet-metal humidors or receptacles for dampening and preserving in the required or proper damp condition tobacco, cigars, and other articles.

The object of my invention is to provide a sheet-metal humidor of a simple, strong, and durable construction suitable for dampening and keeping damp tobacco, cigars, and other articles, which may be conveniently opened and closed, and in which the water-receptacle may be conveniently cleansed out with hot water from time to time, as required, without wetting or soiling the interior of the humidor or requiring the boxes of cigars or other articles therein to be removed and which will at the same time present a neat and attractive appearance.

My invention consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown and described and by which I accomplish this object or result.

In the accompanying drawings, forming a part of this specification, Figure 1 is the front view of a sheet-metal humidor embodying my invention. Fig. 2 is a cross-section on line 2 2 of Fig. 1. Fig. 3 is a front elevation showing the combined door and water-receptacle open. Fig. 4 is a vertical section on line 4 4 of Fig. 2.

In the drawings, A represents the sheet-metal bottom plate; B, the double hollow sheet-metal sides, each composed of an inner plate b and an outer plate b' ; C, the top plate; D, the combined hollow door and water-receptacle, having an inner sheet-metal plate d and an outer one d' ; E, the back plate, and F the hollow sheet-metal feet on the under side of the bottom plate.

The bottom plate A has a fold a at its front edge to give the same a smooth finish and is united at its ends by seams a' , preferably soldered seams, to the lower ends of the up-

right sides B and by a seam a^2 , preferably also a soldered seam, to the lower end of the back plate E. The bottom plate A is also furnished with a longitudinal strengthening-rib a^3 near its front edge, which also serves as a stop or shoulder for the door D to shut against. This rib a^3 may preferably be in a separate piece from the bottom plate, of U shape in cross-section and secured to the bottom plate by soldering. The top plate C is secured to the upright sides B B by soldered seams c and to the upper end of the back plate E by a seam c' . At its front edge the top plate C is furnished with a fold c^2 to strengthen the same and give it a smooth finish and with a strengthening-rib c^3 for the upper end of the double-walled door to shut against.

The double hollow upright sides B B of the humidor are each composed of an inner sheet-metal plate b and an outer one b' and are provided with rabbets or angle-shoulders $b^2 b^3$ at their front edges, formed by flanges on one or both of the plates $b b'$. The inner plate b of the double hollow sheet-metal sides B also have flanges $b^4 b^4$ at their upper and lower ends, which are soldered to the top and bottom plates A C. The inner plates b of each of the double hollow upright sides B are furnished with perforations b^5 , extending from the bottom to the top thereof.

The double hollow combined door and water-receptacle D comprises an inner sheet-metal plate d and an outer one d' , and at its top and upright edges the door is furnished with rabbets or shoulders $d^2 d^3$, formed by flanges $d^4 d^5$ on the inner plate d of the door. The inner and outer plates d and d' of the door, at the lower end thereof, have interengaging right-angle flanges $d^6 d^7$. The inner sheet-metal plate d of the door is provided with a series of perforations d^8 at its upper half or portion, through which moisture or vapor from the water contained in the lower portion of the hollow door may enter the interior of the humidor, and thus dampen the cigars or other articles contained therein. The combined double hollow door and water-receptacle D is provided with a filling-opening d^9 in its inner plate d , through which the water may be conveniently poured into the same. The inner plate d of the hollow door D is also provided at its lower end with a screw-plug d^{10} , closing the washout-opening in the door.

The double hollow door D is also provided just above the water-receptacle portion thereof with a latch d^{11} , having a rotary shank d^{12} and a knob or handle d^{13} on the outside of the door. The door D is mounted upon one of the double hollow upright sides B of the humidor by hinged strips d^{14} d^{15} .

The feet F of the humidor are preferably sheet-metal cylindrical caps or cups having flanges f , which are securely soldered to the bottom plate A on the under side thereof. The feet F being of large diameter serve to materially strengthen and stiffen the sheet-metal bottom plate A of the humidor.

The perforations in the inner plates b of the double sides B, extending from the top to the bottom thereof, enables the moisture entering the humidor from the water-receptacle in the door to circulate to all parts of the humidor. The double hollow upright sides of the humidor serve also to materially strengthen the humidor and afford proper support to the double hollow water-receptacle hinged door. As in my improved humidor, the water-receptacle is in the hinged door itself. When the door is swung open, water can be from time to time poured into it without any danger of spilling the water upon the interior of the humidor or the cigars or other articles therein, and the water-receptacle of the humidor can also be conven-

iently cleaned out from time to time with hot water, as required, by simply removing the screw-plug at the bottom of the water-receptacle in the door without danger of either wetting or soiling the interior of the humidor or its contents.

I claim—

1. In a sheet-metal humidor, the combination with double, hollow, upright sides provided with perforations in the inner walls thereof, and furnished with rabbets or angle-shoulders on the front upright edges thereof, of a double, hollow, hinged door and water-receptacle furnished with perforations in its inner wall above the water-receptacle portion thereof, and provided with rabbets or angle-shoulders on its upright edges, substantially as specified.

2. In a sheet-metal humidor, the combination with the upright side plates, of a double-walled, hollow, hinged door for containing water in its lower portion, and provided with perforations through the inner wall of the door at the upper portion thereof to enable the vapor or moisture to pass into the humidor from the water in the hinged door, substantially as specified.

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Witnesses:

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