

(No Model.)

2 Sheets—Sheet 1.

C. A. PEPLE.
MOISTENING APPARATUS.

No. 555,616.

Patented Mar. 3, 1896.

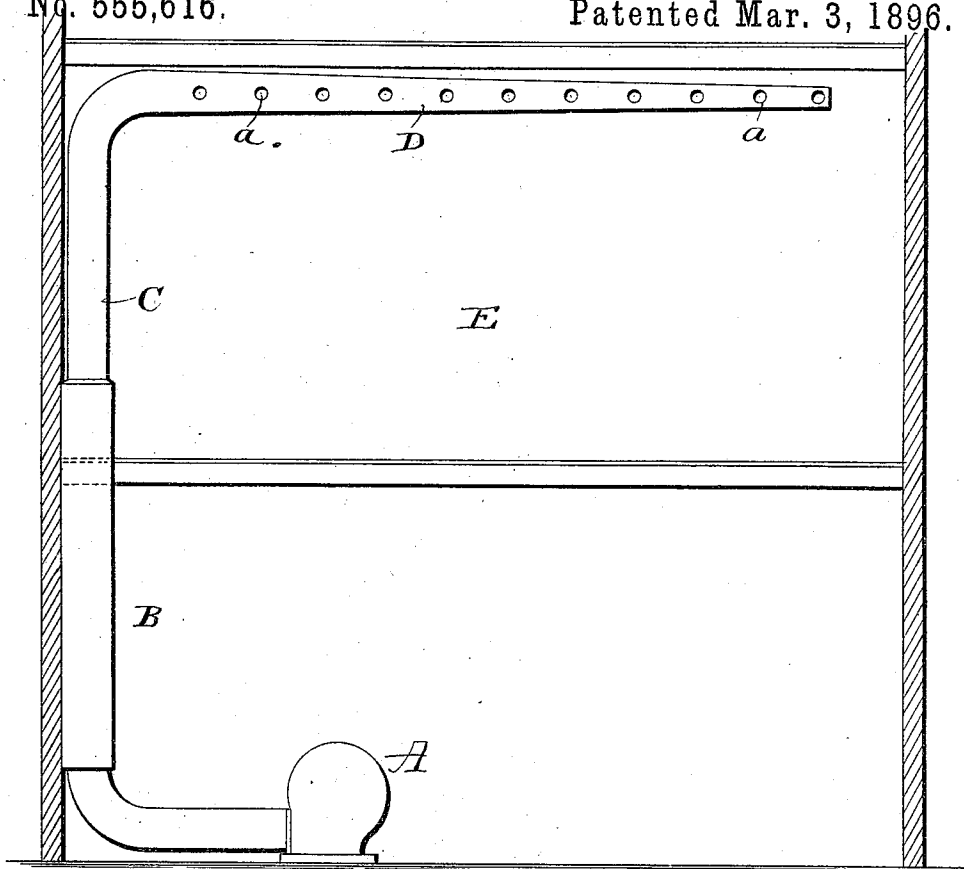


FIG. 1 -

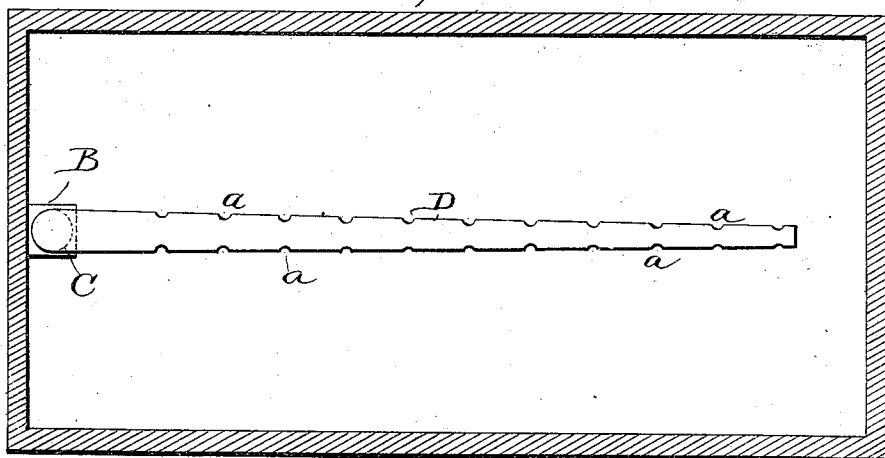


FIG. 2 -

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C. A. Peple
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Attorney

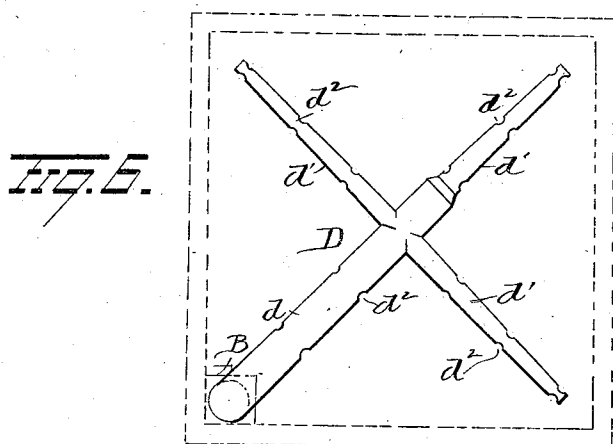
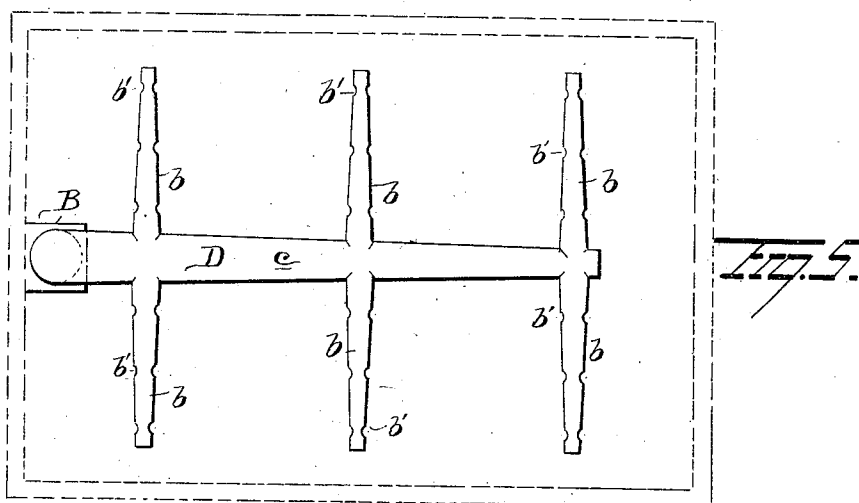
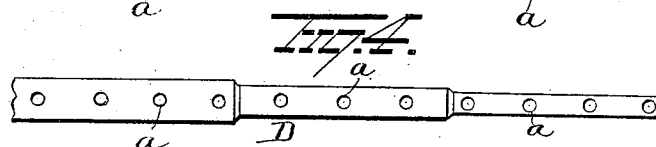
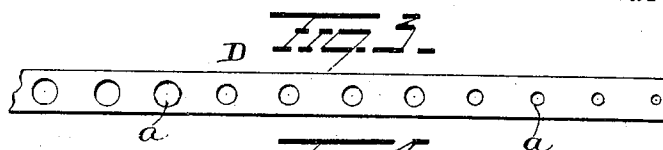
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UNITED STATES PATENT OFFICE.

CHARLES A. PEPLE, OF RICHMOND, VIRGINIA, ASSIGNOR TO THE MAYO
TOBACCO DRYING AND ORDERING COMPANY, OF SAME PLACE.

MOISTENING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 555,616, dated March 3, 1896.

Application filed December 14, 1894. Serial No. 531,794. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. PEPLE, a resident of Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Moistening Apparatus; and I do hereby 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.

My invention relates to an improvement in apparatus for distributing moist air in rooms for the purpose of ordering tobacco or increasing the humidity of the air for other purposes, the object of the invention being to produce simple and efficient means whereby moisture can be readily distributed uniformly.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth and pointed out in the claim.

In the accompanying drawings, Figure 1 is a vertical sectional view of a building, showing the application of my invention. Fig. 2 is a horizontal sectional view of a building, showing a plan view of my distributor. Figs. 3, 4, 5, and 6 are views showing different forms of the invention.

A represents a fan or blower, and B a moistening-channel, of any approved construction, communicating therewith. A pipe C communicates with the other end of the moistening-channel and terminates at its upper end in a horizontal distributor D, disposed in the upper portion of the room E, preferably in close proximity to the ceiling thereof, said distributor being preferably made of greater diameter at its inner than at its outer or closed end, and is provided with preferably two series of lateral perforations *a* for the escape of the moistened air into the room, the moistened air escaping through said lateral perforations being thus distributed uniformly in the top of the room and falling in such uniform manner gently upon the tobacco or other material in the room, which tobacco or other material will preferably be distributed through the room on suitable racks or in any other preferred manner.

Instead of a distributing-pipe having a gradually-decreasing area toward its closed end, the perforations may be made of gradu-

ally-decreasing size, Fig. 3, or the pipe or distributor may be made in sections of various diameters, as shown in Fig. 4.

When the apparatus is to be employed in a large room, several distributors may be used and all made to communicate with the moistening-channel. It is not essential that the fan or blower communicate with one end of the moistening-channel, so as to force the air through the same, but may be made to communicate with said channel at the top thereof and pipe C above the said channel, so as to cause the air to pass through said moistening-channel by suction and be blown through the distributing-pipe D.

When the apparatus is used in a wide room, the distributor may be made with a series of lateral branches *b*, as shown in Fig. 5, and each branch made with a series of lateral perforations *b'*. The main body of the distributor *c* and also the arms *b* may be made of gradually-decreasing area.

When the apparatus is used in a square room, the moistening-channel may be located in one corner thereof and the main body *d* of the distributor made to project toward the opposite corner and provided with lateral arms *d'*. In this form of the invention the body portion *d* and the arms *d'* will preferably be made of least area at their outer or closed ends and will be provided with lateral perforations *d''*. Other slight changes in form might be made without departing from the spirit of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a moistening apparatus for treating tobacco, the combination with a chamber adapted to receive the tobacco, of a graduated discharge-pipe for conducting moistened air into the chamber, said pipe extending horizontally in the top of the chamber and provided with lateral discharge-openings for the discharge of its contents horizontally in the top of the chamber, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHAS. A. PEPLE.

Witnesses:

WALLER HALLADAY,
WM. H. CHUSTEAN.