(No Model.)

C. N. SWIFT.

TOBACCO MOISTENING DEVICE.

No. 528,700. Patented Nov. 6, 1894.

Fig: 1.

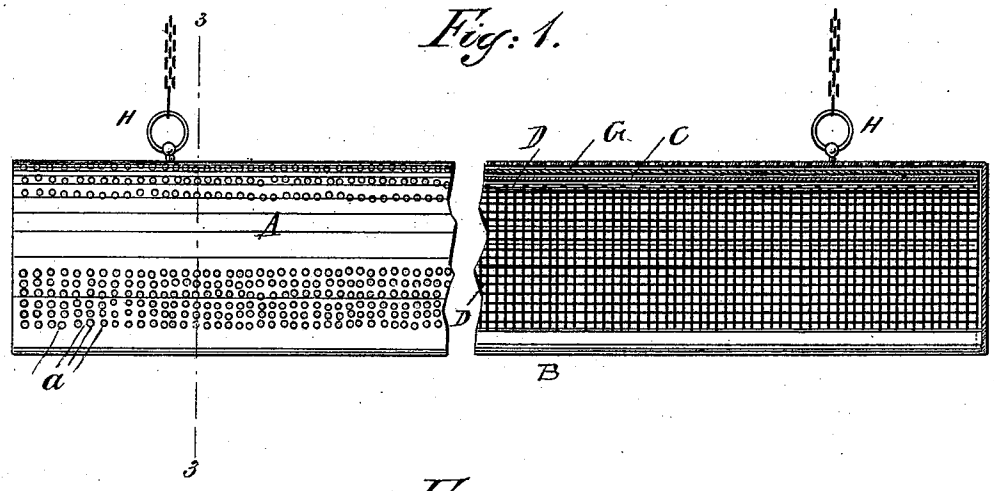


Fig: 2.

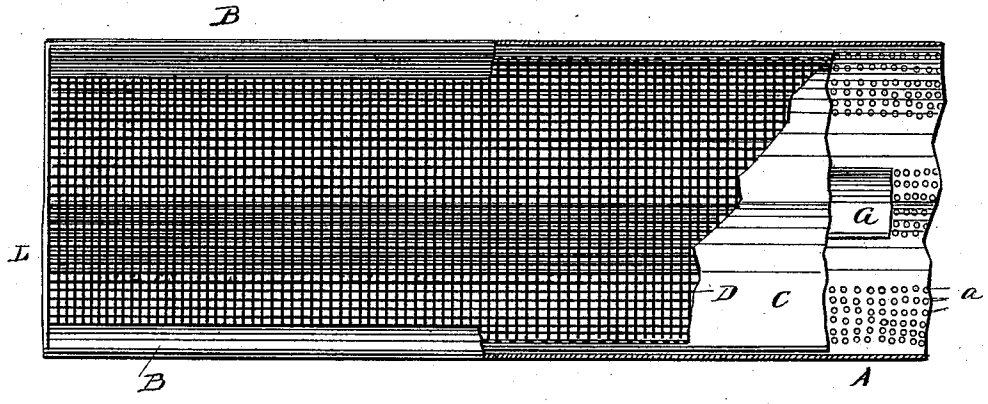


Fig: 3.

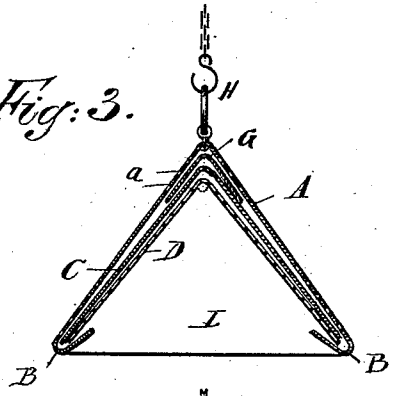
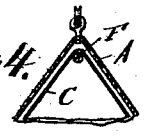


Fig: 4.



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UNITED STATES PATENT OFFICE.

CHARLES N. SWIFT, OF NEW YORK, N. Y.

TOBACCO-MOISTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 528,700, dated November 6, 1894.

Application filed December 31, 1892. Renewed March 22, 1894. Serial No. 504,722. (No model.)

To all whom it may concern:

Be it known that I, CHARLES N. SWIFT, a citizen of the United States, and a resident of New York city, in the county and State of New York, have invented a certain new and useful Improved Device for Moistening Tobacco, of which the following is a specification.

This invention relates to a new and improved device for moistening air in show-cases, show-rooms, cigar storage rooms, &c.; and the object of my invention is to provide a device of this kind which can absorb a large quantity of water and give the same off in the form of moisture, and which is simple in construction and cheap.

The invention consists in an air-moistener constructed with a sheet metal body of inverted V-shape open at the bottom and having troughs formed along its bottom edges on the inner sides, a layer of absorbent material placed against the interior of said body and extending downward to the troughs.

The invention also consists in the construction and combination of parts and details which will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a side-view of my improved air-moistener, parts being in longitudinal section. Fig. 2 is a plan-view of the under side of the same, parts being broken out. Fig. 3 is a vertical transverse section, on the line 3 3, of Fig. 1, and Fig. 4 is a transverse section of the upper part, showing a modified construction.

Similar letters of reference indicate corresponding parts.

The moistener is constructed of a piece A of sheet-metal which is bent in the shape of a triangle and has its lower edges bent upward and inwardly to form gutters B along the bottom edges of the inverted V-shaped body. The sheet metal body A is preferably provided with apertures *a* for the better circulation of the air. Against the inner sides of said sheet metal body A, I place a correspondingly shaped piece C of absorbent material, such as blotting paper, fabric and the like, and hold the same in place by means of a piece D of wire-netting shaped the same as the sheet metal body A and placed against the surface of the absorbent material C, the lower ends of said wire-netting D also resting in the troughs B.

If desired, the netting D can be dispensed with and the absorbent material C held in place by means of a rod F, as shown in Fig. 4, passing through the body A from end to end directly under the apex.

Above the layer C of absorbent material an additional layer G may be placed, also composed of blotting paper, fabric, &c., which layer *a*, however, does not extend down the entire sides of the body A but only along the upper part of the same, and serves to keep the absorbent material C from close contact with the inner sides of the body A and also as a supply agent for feeding the absorbent material C.

Rings H are attached to the top of the inverted V-shaped body A, and by means of said rings and chains or other devices the moistener is suspended in the room, show-cases, &c.

The entire moistener is placed into a suitable receptacle containing water and remains in the same until all parts of the absorbent are thoroughly saturated. The moistener is then removed and the surplus water is permitted to drain off and the moistener is then placed into the room, compartment or show-cases in which the air is to be moistened. Some of the water collects in the troughs or gutters B and as the absorbent material dries out the water in the said troughs is drawn up by said absorbent material and gradually evaporates. The additional absorbent material G also retains the water for a greater length of time than the material C and serves as a feeder for the latter. The end-pieces L of triangular shapes, secured to the ends of the body A, finish the ends of the same and hold the shanks in the proper position.

The entire moistener is simple in construction, is cheap, can easily be saturated, is light and presents a large surface to the air.

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

1. An air-moistener, composed of a sheet metal body having in cross section the shape of an inverted V and having troughs formed along its lower edges on the inner side, and absorbent material placed against the interior

of said body and extending into the troughs, substantially as set forth.

2. An air-moistener, composed of a sheet-metal body having in cross-section the shape of an inverted V and having troughs formed along its lower edges on the inner side, an absorbent material placed against the inner side of the body and extending down into the troughs, and a layer of additional absorbent material placed upon the upper part of the first mentioned layer of absorbent material, substantially as set forth.

3. An air-moistener, composed of a sheet-metal body having in cross-section the shape of an inverted V and having troughs formed along its lower edges on the inner side, an absorbent material placed against the interior of the said body and extending into the troughs and a layer of wire netting placed against the absorbent material so as to retain the same between the netting and the body, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CHAS. N. SWIFT.

Witnesses:
OSCAR F. GUNZ,
H. WILLARD GRIFFITHS.